FINAL SITE CHARACTERIZATION REPORT

Former Columbia Corporation

Site No. 442005

Prepared for:
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7017

Prepared by:
Camp Dresser McKee & Smith
11 British American Boulevard
Suite 200
Latham, NY 12110

April 2022

CDM Smith

Certification Page

I, Amy E. Picunas, certify that I am currently a New York State registered professional engineer and that this *Final Site Characterization Report for Former Columbia Corporation NYSDEC Site No. 442005*, April 2022 was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work and any DER-approved modifications.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Amy E. Picunas, of 11 British American Boulevard, Latham, New York, am certifying as Owner's Designated Site Representative for the site.

STATE OF NEW YORK
AMY E. PICUNAS
089022
LICENSED PROFESSIONAL ENGINEER

NYS Professional Engineer # 089022

Date 4/29/2022

Signature Amy E Picunas

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Section 1
Introduction

This Site Characterization Report (SCR) was prepared for the Former Columbia Corporation, New York State Department of Environmental Conservation (NYSDEC) Site No. 442005 (herein referred to as the "Site") located just south of New York State Route 67 (NY 67) along the Walloomsac River in the Hamlet of Walloomsac, Town of Hoosick, Rensselaer County, New York (**Figure 1-1**). This report was prepared by Camp Dresser McKee & Smith (CDM Smith) for the NYSDEC Division of Environmental Remediation (DER) under the Engineering Services for Investigation and Design Standby Contract No. D009805. Sampling was performed in accordance with the scope of work prepared by CDM Smith and approved by NYSDEC on November 25, 2020. This report provides a summary of the field activities conducted between December 30, 2020 and February 10, 2021. All activities were conducted in accordance with the guidelines set forth in the *Final Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation* (NYSDEC 2010) and *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs* (NYSDEC 2021A).

1.1 Scope and Objectives

The primary objective of the Site Characterization activities was to determine the presence of any contamination at the Site above the applicable standards or guidance values as a result of historical and current Site operations. The scope of the investigation included:

- Records search and background report review, including the procurement of an environmental database review.
- Site reconnaissance.
- Brush hogging/clearing of site vegetation to allow drill rig to access sampling locations.
- Utility clearance and performance of a geophysical survey to clear boring locations and identify possible subsurface materials, including underground storage tanks, that could interfere with drilling activities.
- Installing four permanent groundwater monitoring wells (MW-03, MW-04, MW-05, and MW-07) to total depths of 15 feet below ground surface (bgs) to 20 feet bgs. Each well was constructed to allow the screened interval to span the water table.
- Installing two 1-inch ID polyvinyl chloride (PVC) piezometers (PZ-01 and PZ-02) to depths from 4 to 5 feet bgs. Each piezometer was constructed to allow the screened interval to span the water table.
- Rehabilitating two existing groundwater monitoring wells (MW-01 and MW-02) which were included in groundwater sampling activities.

- Collecting nine co-located surface water and sediment samples at nine locations throughout the Site.
- Advancing five soil borings to depths between 4 and 27 feet bgs.
- Collecting soil samples at three depths at each boring and well location during drilling to vertically characterize the site soil. The sample intervals were determined based on field observations during drilling. Soil samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs), TCL semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), target analyte list (TAL) metals, mercury, cyanide, 1,4-dioxane, and the full list of 21 per- and polyfluoroalkyl substances (PFAS). At one depth interval at each soil boring location, total organic carbon, pH, and synthetic precipitation leaching procedure (SPLP) PFAS samples were also analyzed.
- Developing all new and existing groundwater monitoring wells.
- Collecting a synoptic round of water level measurements at site monitoring wells.
- Collecting groundwater samples from new and existing monitoring wells. Groundwater samples were analyzed for TCL VOCs, TCL SVOCs, pesticides, PCBs, TAL metals, mercury, cyanide, 1,4-dioxane, and the full list of 21 PFAS.
- Surveying existing and newly installed groundwater wells and borings.
- Disposal of investigation derived waste (IDW).

1.2 Site Background

1.2.1 Demography

The Site is located in the hamlet of Walloomsac, within the northeast portion of the Town of Hoosick, in Rensselaer County, New York. The Town of Hoosick has a land area of 63.03 square miles and, as of the 2010 Census, a population of 6,924 people. The Town is predominantly rural with much of the land designated for agricultural use with the exception of the Village of Hoosick Falls (centrally located within the Town of Hoosick), which is predominantly residential.

1.2.2 Meteorology

The field investigation was performed between December and February, during typical dry months. Average monthly precipitation in Hoosick is approximately 3.7 inches with the most rainfall during the 31 days centered around June 7 (National Oceanic and Atmospheric Administration 2021). Over the course of the year, the temperature typically varies from 14 degrees Fahrenheit (°F) to 80°F and is rarely below -3°F or above 87°F. The cold season in Hoosick extends from December 3 to March 11, with an average daily high temperature below 41°F.

Prevailing wind direction is commonly from the west or west southwest with the fastest speeds from the west southwest. Average wind speeds are typically between 4 and 8 miles per hour (United States Department of Agriculture 2021). Agricultural land (typically used for corn) is located downwind, from the northeast to the southeast of the Site. Residential homes are located

north and partially northeast of the Site, and approximately 500 feet northeast of the onsite air stack structure.

1.2.3 Current Site and Surrounding Property Use

The Former Columbia Corporation Site is located at 11 Cottrell Road in the Hamlet of Walloomsac and Town of Hoosick just south of NY 67 along the Walloomsac River (**Figure 1-1**). The Site properties (two tax parcels, 18.-2-1.11 and 18.-2-1.13) are currently owned by William Brownell, Sr. Based on the tax rolls, William Brownell, Sr. also owns an adjacent tax parcel mainly consisting of agricultural land south of the settling lagoons (refer to **Figure 1-2** for approximate locations of discussed Site features). The central portion of the Site, north of the Walloomsac River, consists of an auto salvage yard and several buildings (constructed of mainly brick and steel), some of which are occupied by Walloomsac Metal Recycling. There are two capped inactive landfills in the wooded portion of the Site. South of the Walloomsac River are two large rectangular settling ponds/lagoons which are no longer in use. A railway owned by Vermont Railway, Inc. is located between NY 67 and the Site. The portion of the Site north of the Walloomsac River is currently zoned for light industrial manufacturing/commercial use based on the Town of Hoosick Land Use District Map. The portion of the Site south of the Walloomsac River is zoned for agricultural-field crops use (largely corn fields). Parcels to the south, east, and west of the Site consist of mostly agricultural land with a few residential properties. North of the Site consists mostly of residential homes and vacant vegetated land. One residential home (36 Cottrell Road) is also located within the boundaries of the property, south of the Walloomsac River along the south bank. Both this property and the residential homes located 500 feet immediately north of the Site utilize private wells as a source of drinking water.

1.2.4 Historical Site and Surrounding Property Use

Since the 1850s, the Former Columbia Corporation predominantly operated as a papermill with various owners/company names including Walloomsac Paper Company, Stevens and Thompson, Windsor Paper Company, Columbia Boxboard, and Bennington Paperboard Company. Materials produced at the facility include meat packaging products, filters, and appliance shipping cartons. Based on information presented by the Interstate Technology Regulatory Council (ITRC), the paper product and packaging industry have historically utilized PFAS since the 1960s. In addition, facilities that produce products such as food packaging can be generators of PFAS-containing waste that can be discharged to the environment (ITRC 2020). However, there was no documentation available during the Site Characterization indicating that materials produced by any of the previous Site operations or indicating if historical processes performed at the Site included the use of PFAS-containing materials or materials suspected of containing PFAS.

The two settling basins/lagoons located southwest of the main plant buildings across the river were used in the past, but do not appear to be used in present-day operations. Historical aerial imagery provided in an environmental database report (**Appendix A**) for the Site indicates that the lagoons were constructed at the Site sometime between 1960 and 1978, and the aerators present within the lagoons were actively being used since their appearance in the aerial images in 1978 to as recently as 2007. Further discussion of the record search is included in Section 1.3. An inspection letter dated July 2, 1981 to NYSDEC included in the Phase I report for the Site includes details of the operations performed at the Columbia Corporation facility (Wehran Engineering 1987). The document stated that the Columbia Corporation manufactures paperboard from

recycled fibers. The product is produced in the form of sheets which are palletized for shipment. During the manufacturing of the operation, the fibers, in water suspension, are screened to remove the impurities found in the raw material. These impurities consist of such things as glass particles, staples, paper clips, and small pieces of plastic film. The material along with the wires which bind the bales of wastepaper, are stated to comprise most of the landfill. Wood scraps from the pallet making operation were also placed in the landfill. During the 1970s and 1980s, approximately 6,000 pounds per day of solid waste consisting of the wood, refining rejects (metals, plastic, and fiber), wire, and rags were deposited in the onsite landfills during operations (Wehran Engineering 1987). The 1981 letter also states that to impart various desired properties to the product, some chemical materials are added or blended with the fibers. These materials become part of the product. Some of the added chemicals were listed on the Hazardous Material lists circulating at the time. It is stated that none of these chemicals ever reach the landfill as waste. Soil saturated with #6 fuel oil was stored in drums and disposed of on the Site, as observed during the Phase I site reconnaissance (Wehran Engineering 1987). Findings from a Phase I investigation performed at the Site confirming the aforementioned information is further discussed in Section 1.2.5.

Production of paperboard from wastepaper during the papermill manufacturing processes utilized multiple emulsion agents, defoamers, and surfactants for boiler and fuel oil treatments. Treatment processes took place in the long rectangular building on the southwest portion of the Site. Effluent from the manufacturing processes was treated and discharged to the Walloomsac River under a State Pollution Discharge Elimination System (SPDES) permit. A copy of the Columbia Corporation 1984 SPDES permit (provided in Phase I) indicated that chloroform, trichloroethylene, PCBs (Aroclor 1016/1242), zinc, and nickel were all detected in the effluent sampling analysis. However, copper from the manufacturing process and zinc detected in upstream water samples both exceeded discharge action levels during the effluent discharge analysis. A signed letter from Columbia Corporation included in Phase I also indicated that as of May 6, 1986, no “chemically-treated” papers were included in disposal at the landfill (Wehran Engineering 1987).

1.2.5 Previous Investigations

In March 1987, Wehran Engineering performed a Phase I engineering investigation and prepared a subsequent Phase I investigation report for presentation to the NYSDEC (Wehran Engineering 1987). The investigation identified one active uncapped and one inactive capped landfill, both used for disposal of industrial waste resulting from the papermill operations. The Phase I report indicated that each of the landfills were both 5 acres in size. However, based on estimations from internet mapping and the historical aerial images, the extents of both landfills do not seem to be greater than 1 acre each. The Phase I investigation indicated that no sludge waste from the papermill had been disposed of in either portion of the landfill based on discussions with the property owner at the time (Columbia Corporation – Walloomsac Division). Landfill operations moved to higher ground in 1979 where the prevailing slope is 10 percent and erosion was present at the time of the investigation (Wehran Engineering 1987). A lack of liner system, run-on, or run-off controls were noted with leachate seeps alongside western and southern edges of the active landfill. A letter from the Columbia Corporation, included in Phase I, indicated that impacted material stored in drums at the Site resulted from soil removed from around leaking underground storage tanks that contained #6 fuel oil. The New York State Department of

Transportation (NYSDOT) supervised the soil excavation cleanup efforts of the #6 fuel oil impacted soil. The underground storage tanks were removed from the ground and sold, and the drums containing impacted material were moved east of the most eastern inactive landfill. During the Phase I investigation, approximately 20 drums storing soil saturated with #6 fuel oil were observed as crushed or opened next to the ponded area east of the most eastern inactive landfill (Wehran Engineering 1987). However, other notes included in the Phase I report also state that #6 fuel oil impacted soil was also disposed of in the most eastern inactive landfill. Reddish-brown and grayish-black soil was also noted in the area around the active landfill at the time of the investigation. During the time of the Phase I investigation, no appreciable organic vapors were detected on any part of the Site using an HNU Systems 101 photoionization detector (PID). The 1987 investigation by Wehran Engineering concluded that there was no documentation indicating an air route release at the Site (Wehran Engineering 1987).

Much of the immediate area surrounding (within 1-mile radius) the Site consists of agricultural land containing corn crops. Several residential homes are located within this area, as well. The Site lies approximately 2 miles northeast of downtown Hoosick Falls. In 2016, perfluorooctanoic acid (PFOA) was detected in the Village of Hoosick Falls' public drinking water supply and Town of Hoosick private drinking water wells above the federal Environmental Protection Agency (EPA) health advisory level of 70 parts per trillion (ppt). The presence of PFOA in groundwater is linked to past manufacturing sites in the Hoosick area. Soon thereafter, the Former Columbia Corporation Site was designated as a Potential State Superfund Site which requires the completion of a Site Characterization investigation to determine if the site meets the criteria for placement on the New York State Registry of Inactive Hazardous Waste Disposal Sites (NYSDEC 2021A).

In December 2018, sampling was performed by the NYSDEC Division of Materials Management under the Inactive Landfill Initiative. PFOA and perfluorooctanesulfonic acid (PFOS) were detected in groundwater, sediment, and surface water samples. Groundwater results showed PFOA and PFOS above the EPA's health advisory level of 70 ppt. PFOA concentrations ranged from 220 ppt to 270 ppt in groundwater and from 170 ppt to 230 ppt in the lagoons. PFOS concentrations ranged from 32 ppt to 110 ppt and 570 ppt to 820 ppt in groundwater and lagoons, respectively. PFOA concentrations ranged from 1.6 microgram per kilogram (µg/kg) to 3.2 µg/kg and PFOS concentrations from 29 µg/kg to 62 µg/kg in sediment samples.

1.3 Records Search

A records search was performed for the Site which included the procurement of an environmental database report (**Appendix A**) provided by EDR Lightbox. This report included Sanborn maps, a radius map and report, property tax maps, historical topographic maps, a city directory image report, a building permit report, and aerial decade photos. The building permit report and the property tax map report did not yield any significant information. Items of note found during the records search are discussed in detail below.

Sanborn maps are only available for years 1884, 1891, 1897, 1904, 1910, and 1945. The maps from 1884 through 1910 present similar Site layouts, indicating minimal changes to the building layout within this time frame. Buildings present onsite during this time included several brick-construction machine, engine, and chemical storage rooms, as well as several paper storage

buildings. The Sanborn map for 1945 shows that several new buildings were added to the Site layout, in a layout similar to that of present day. The added buildings included an extension to the existing factory building, several long storage warehouses, and a several story brick building with an air stack labeled as a boiler room.

The radius map and report indicated several notable items. These items are detailed in a bulleted list below:

- Multiple bulk storage tanks were formerly located on the Site property. These tanks included a 30,000-gallon #6 fuel oil aboveground steel tank, four 4,000-gallon aluminum sulfate fiberglass aboveground indoor tanks, four 400-gallon sodium hydroxide indoor fiberglass reinforced plastic tanks, one 550-gallon waste oil above ground steel tank, and a 300-gallon aboveground steel diesel tank. All tanks are stated to be closed.
- Several petroleum spills were located on the Site involving equipment failures or human error. All petroleum spills were subsequently closed out.
- In 1996, a spill was called in regarding the onsite settling lagoons. The note stated that the pumps to the aeration ponds failed and the lagoon overflowed. The overflow washed 1 foot of snow free from the Walloomsac River bank and partially eroded the bank. The lagoon overflowed in at least four places and the note stated that the volume of the wastewater spilled was much larger than reported. The company reporting the spill was identified as Bennington Paperboard Co. No estimated number of gallons of wastewater spilled outside of the lagoons was identified.
- State Superfund Site Alexander Schmigel Property Site No. 442002 is located at 5032 NY 67 in Hoosick, NY approximately 800 feet northeast of the Site. The Site consists of a quarter-acre former fill area that housed approximately 165 55-gallon drums of waste (polymer resins, acetone, 2-methoyethyl ester of acetic acid and methyl cellosolv [2-methoxyethanol]). Both the contents of the drums and the drums themselves were dumped into the same pit on the Alexander Schmigel property. Acetone and lead were identified as the contaminants of concern at the property. A groundwater sampling investigation performed in 2007 determined that site-related contamination was not present in onsite groundwater; additionally, offsite homeowner well sampling determined that groundwater contamination did not leave the Alexander Schmigel site. An interim remedial measure was performed in 2010 and 2011 to excavate both the soil and the drums for offsite disposal. Confirmation soil sampling results collected following the excavation all had detections below the Unrestricted Use soil cleanup objectives (SCOs) for the contaminants of concern. A No Further Action Record of Decision was issued for the site in April 2013 (NYSDEC 2013). The Alexander Schmigel site is located both hydraulically upgradient and downwind (based on the prevailing wind direction) of the Site. An investigation for PFAS was not initially included in the remedial investigation of the Alexander Schmigel site. A Hoosick Area Cleanup fact sheet issued in the summer of 2019 did indicate that a supplemental sampling proposal approved to evaluate potential PFAS contamination was issued for the site (NYSDEC 2019). Information regarding the sampling proposal or the results of the sampling were not available during the Site Characterization of the Former Columbia Corporation Site.

- The report included data from the Aerometric Information Retrieval System (AIRS) Facility Subsystem for the Site. This database contains air quality, emissions, compliance, and enforcement information that federal and state agencies need to carry out for their air quality programs. Air emissions data for the Site presented in the report included data from 2006 through 2008. The following contaminants were detected each of the three years: lead, mercury, benzene, selenium, unspeciated PM-10, formaldehyde, sulfur dioxide, carbon monoxide, manganese, methane, toluene, naphtha, nitrous oxide, beryllium, ammonia, xylenes, copper, chromium, sulfur trioxide, chrysene, and fluoranthene.

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Section 2

Site Characterization Field Activities

Field sampling activities were conducted by CDM Smith between December 30, 2020 and February 10, 2021. The activities are described below.

2.1 Preliminary Activities

A site reconnaissance was performed by NYSDEC and CDM Smith personnel on October 4, 2019. Two existing monitoring wells were located onsite, MW-01 and MW-02, in the vicinity of the most eastern of the two inactive landfills. The areas identified as inactive landfills, based on previous investigations of the Site, were both covered with grass and dense vegetation. Miscellaneous debris was observed on the ground surface in portions of the wooded area. Many of the original brick buildings present on the property were unoccupied and not utilized by the property occupant, Walloomsac Metal Recycling. In general, many of the unoccupied buildings looked to be in poor condition. Therefore, interior investigations of the buildings were not performed. One of the unoccupied buildings, a several story brick building, identified previously as a boiler room building, houses an approximately 80-foot-tall air stack. It is unknown when the air stack was built. However, it may be presumed to have been installed at the same time as the boiler room due to its location within the building. Walloomsac Metal Recycling mainly occupies and performs their operations within the warehouse building closest to the rail tracks, the warehouse building closest to the low head dam within the Walloomsac River, and within a small mobile office trailer adjacent to Cottrell Road. A truck scale is also present on the property. Much of the cleared area immediately west of the buildings, at the time of the site reconnaissance, contained stacked junked vehicles being held for metal recycling. A small stream, three ponded areas, and two 1.25-acre settling lagoons were also identified during the site reconnaissance similar to the surface features discussed in historical reports. The two aerators in each of the settling lagoons were not in operation at the time of the site visit. Both settling lagoons had significant algae growth across the majority of the lagoons surface area.

Prior to commencement of the boring and well installation activities, brush hogging/clearing of vegetation was performed to allow the drill rig to access sampling locations. CDM Smith subcontracted C.T. Male Associates to conduct a geophysical survey at the Site prior to drilling activities. The objectives of the survey were to clear proposed drilling locations of identifiable utilities, and to identify any underground utilities or subsurface anomalies such as underground storage tanks on the Site. CDM Smith accompanied C.T. Male Associates during the survey conducted on December 31, 2020.

C.T. Male Associates utilized a combination of ground penetrating radar (GPR), radio frequency utility locating, and handheld metal detection methods to complete the survey. All eight locations identified in this investigation for drilling were cleared of identifiable utilities or subsurface anomalies. All subsurface utilities were identified during the GPR survey. Some subsurface anomalies, assumed to be buried cast iron pipe, were detected, and boring locations were

adjusted accordingly to avoid those anomalies. The geophysical survey observations were noted in the field notes included in **Appendix B**.

2.2 Subsurface Soil Sampling

Between January 5 and January 12, 2021, LaBella Associates advanced five soil borings (SB-03 through SB-07) utilizing Geoprobe® direct push technology (DPT). Continuous soil sampling was performed during the advancement at all five locations. Continuous soil samples were collected using macro core samplers with acetate liners and were screened by CDM Smith using a PID. Lithologic logging was performed continuously at all five locations. The five locations completed as soil borings were advanced to depths between 4 and 26.7 feet bgs. Soil boring logs are provided in **Appendix C**. Sample locations are presented on **Figure 2-1**.

A total of 21 soil samples, including one duplicate sample, were collected from seven soil boring locations (PZ-01, PZ-02, and SB-03 through SB-07) as indicated on **Table 2-1**. Samples were collected at three depth intervals at each location (except at location SB-03 at which two depth intervals were sampled due to poor recovery) during drilling based on field observations and on the depth of water as follows:

- A sample within the vadose zone.
- A sample directly above the water table.
- A sample below the water table.

In general, saturated material was encountered from 10 to 22 feet bgs. The water table was not encountered at SB-03 due to poor recovery caused by waste. The water table was also not encountered at SB-06, refusal was reached prior to the water table. SB-06 had the only PID reading of 2.4 parts per million at a depth of 6.5 feet bgs. All other borings did not have any detected PID readings.

All subsurface soils samples were analyzed for TCL VOCs via EPA Method 8260C, TCL SVOCs via EPA Method 8270D, pesticides via EPA Method 8081B, PCBs via EPA Method 8082A, TAL metals via EPA Method 6010C, mercury via EPA Method 7470A, cyanide via EPA Method 9012B, 1,4-dioxane via EPA Method 8270D, and the full list of 21 PFAS via EPA Method 537 modified. At one depth interval at each soil boring location, TOC via Lloyd Khan, pH via EPA Method 9045D, and SPLP PFAS samples were also analyzed. A sample summary is provided in **Table 2-1** and results are discussed in Section 4.1.

2.3 Monitoring Well Installation

Between January 5 and January 12, 2021, four permanent groundwater monitoring wells (MW-03, MW-04, MW-05, MW-07) were installed using hollow stem auger drilling methods. The locations of the monitoring wells were selected to best characterize the Site based on historical site use. Two existing groundwater monitoring wells (MW-01 and MW-02) were rehabilitated by LaBella Associates. The existing steel surface casings were replaced and set in new concrete and the wells were redeveloped. Two piezometers were installed (PZ-01 and PZ-02) by means of

hand auger. The locations of the piezometers were selected due to access issues that prohibited the use of a drill rig. Monitoring well and piezometer locations are presented on **Figure 2-1**.

Each monitoring well was constructed utilizing a 2-inch ID PVC 10-foot well screen (#10 slot) at the bottom of the borehole within the groundwater table with 2-inch ID PVC 10-foot riser and a 4-foot steel surface casing. The two piezometers were constructed utilizing a 1-inch ID PVC 5-foot well screen (#10 slot) at the bottom of the borehole within the groundwater table with a 1-inch ID PVC 5-foot riser and a 4-foot steel surface casing. All wells are secured with locks.

All monitoring wells (existing and new) were subsequently surveyed by Darrah Land Surveying, PLLC, a New York licensed surveyor, on February 10, 2021. A stamped survey of the surveyed monitoring wells is presented in **Appendix D**. Survey information and monitoring well construction information is provided in **Table 2-2**. Monitoring well construction diagrams are provided in **Appendix E**.

2.4 Surface Water Sampling

Between January 13 and January 27, 2021, 10 surface water samples, including one field duplicated, were collected. All surface water sample locations are co-located with a sediment sample location (see Section 3.5 Sediment Sampling). Surface water samples were collected first and in a manner that minimized the disturbance of sediment. Sample locations are presented on **Figure 2-1.** Detailed descriptions of surface water samples locations are discussed below:

- *SW-01 and SW-02:* One sample was collected from the center of each of the 1.25-acre settling lagoons. SW-02 was collected from the settling lagoon closest to the Walloomsac River, SW-01 was collected from the remaining settling lagoon. Both locations were collected during freezing conditions. A 1-foot thick layer of competent ice was present on top of both of the lagoons. An ice auger was used to core through the ice to allow for the collection of the surface water. The ice auger was decontaminated between locations.

- *SW-03, SW-07, and SW-09:* All three surface water samples were collected directly from the Walloomsac River. SW-03 was the most upstream sampled location. SW-07 was collected from a shallow area along the north bank of the river, just upriver of the low head dam directly south of the main Site buildings. SW-09 was the most downstream surface water sample collected. SW-09 was also collected from the north bank, downriver of the settling lagoons.

- *SW-08:* One surface water sample was collected from an oxbow off the Walloomsac River, along the north bank of the river behind a goat shed. SW-08 is located upstream of the settling lagoons.

- *SW-04:* One surface water sample was collected from a drainage ditch adjacent to the most western inactive landfill. Specifically, SW-04 was collected upstream (west) of a culvert running beneath the railroad tracks.

- *SW-05:* One surface water sample was collected from the surface water raceway south of the main Site buildings. The SW-05 sample was collected near a black pipe within this ditch.

- *SW-06:* One surface water sample was collected from a ponded area south of the most western inactive landfill. The SW-06 was collected from the ponded area located closest to the Walloomsac River.

All surface water samples were analyzed for TCL VOCs via EPA Method 8260C, TCL SVOCs via EPA Method 8270D, pesticides via EPA Method 8081B, PCBs via EPA Method 8082A, TAL metals via EPA Method 6010C, mercury via EPA Method 7470A, cyanide via EPA Method 9012B, 1,4-dioxane via EPA Method 8270D, and the full list of 21 PFAS via EPA Method 537 modified. A sample summary is provided in **Table 2-1** and results are discussed in Section 4.1.

2.5 Sediment Sampling

Between January 13 and January 27, 2021, 10 sediment samples, including one field duplicated, were collected. Sediment sample depths ranged from 2 inches to 8 feet below water surface. As stated, all sediment samples were co-located with a surface water sample. Sample locations are presented on **Figure 2-1**. Detailed descriptions of sediment samples locations are discussed below:

- *SED-01 and SED-02:* One sample was collected from the center of each of the 1.25-acre settling lagoons. SED-02 was collected from the settling lagoon closest to the Walloomsac River, SED-01 was collected from the remaining settling lagoon. Both locations were collected during freezing conditions. A 1-foot thick layer of competent ice was present on top of both of the lagoons. An ice auger was used to core through the ice to allow for the collection of the sediment. The mudline within each lagoon was approximately 8 feet below the water surface. The ice auger was decontaminated between locations.

- *SED-03, SED-07, and SED-09:* All three sediment samples were collected directly from the Walloomsac River. SED-03 was the most upstream sampled location. SED-07 was collected from a shallow area along the north bank of the river, just upriver of the low head dam directly south of the main Site buildings. SED-09 was the most downstream sediment sample collected. SED-09 was also collected from the north bank, downriver of the settling lagoons.

- *SED-08:* One sediment sample was collected from an oxbow off the Walloomsac River, along the north bank of the river behind a goat shed. SED-08 is located upstream of the settling lagoons.

- *SED-04:* One sediment sample was collected from a drainage ditch adjacent to the most western inactive landfill. Specifically, SED-04 was collected upstream (west) of a culvert running beneath the railroad tracks.

- *SED-05:* One sediment sample was collected from the water raceway south of the main Site buildings. The SED-05 sample was collected near a black pipe within this ditch.

- *SED-06:* One sediment sample was collected from a ponded area south of the most western inactive landfill. The SED-06 was collected from the ponded area located closest to the Walloomsac River.

All sediment samples were analyzed for TCL VOCs via EPA Method 8260C, TCL SVOCs via EPA Method 8270D, pesticides via EPA Method 8081B, PCBs via EPA Method 8082A, TAL metals via EPA Method 6010C, mercury via EPA Method 7470A, cyanide via EPA Method 9012B, 1,4-dioxane via EPA Method 8270D, and the full list of 21 PFAS via EPA Method 537 modified. A sample summary is provided in **Table 2-1** and results are discussed in Section 4.1.

2.6 Groundwater Sampling

A synoptic round of groundwater levels was collected prior to sampling. A total of nine groundwater samples, including one duplicate sample, were collected between January 26 and January 27, 2021. One sample was collected from each of four newly installed monitoring wells (MW-03, MW-04, MW-05, MW-07), one sample from each of the two newly installed piezometers (PZ-01 and PZ-02), and one from each of two existing rehabilitated monitoring wells (MW-01 and MW-02). Sample locations are presented on **Figure 2-1**.

All groundwater monitoring wells were developed prior to sampling. Groundwater sampling was conducted via low-flow methodology using acceptable equipment and materials as presented in the *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs* (NYSDEC 2021A). The previously installed, two-inch monitoring wells were sampled using high density polyethylene tubing and a peristaltic pump. Groundwater samples were collected once water quality parameters stabilized. Low flow logs are provided in **Appendix F**. Samples were collected after a minimum three well volumes were purged from each well. The field notes are provided in **Appendix B**.

All groundwater samples were analyzed for TCL VOCs via EPA Method 8260C, TCL SVOCs via EPA Method 8270D, pesticides via EPA Method 8081B, PCBs via EPA Method 8082A, TAL metals via EPA Method 6010C, mercury via EPA Method 7470A, cyanide via EPA Method 9012B, 1,4-dioxane via EPA Method 8270D, and the full list of 21 PFAS via EPA Method 537 modified. A sample summary is provided in **Table 2-1** and results are discussed in Section 4.1.

2.7 Investigative Derived Waste

Investigation derived waste (IDW) generated from field activities consisted of both soil cuttings, groundwater, PPE, and materials utilized in constructing the driller's decontamination pad; all of which were containerized in 55-gallon drums for off-site disposal. The drums are secured and stored to the west of the current owner's site trailer. Drums will be removed from the Site during the summer of 2021. Coordination, transportation, and disposal of the waste will be performed by Seacoast Environmental Services, LLC.

2.8 Decontamination

All non-dedicated equipment and tools used to collect samples for chemical analysis were decontaminated prior to and between each sample interval using an Alconox and water mix for washing and PFAS-free water rinse prior to reuse. Decontamination fluids were collected and containerized in drums. All non-dedicated sampling equipment for chemical analyses were decontaminated per the CDM Smith Generic Quality Assurance Project Plan (QAPP) (CDM Smith 2018) and all associated standard operating procedures.

2.9 Quality Assurance/Quality Control

All samples were analyzed by New York State Department of Health (NYSDOH) approved and National Environmental Laboratory Accreditation Program (NELAP) certified Eurofins TestAmerica Laboratories. **Table 2-1** provides a sample summary and the associated analytical parameters analyzed at each sampling location. NYSDEC Analytical Services Protocols Category B data deliverables are provided in **Appendix G.**

Quality assurance/quality control (QA/QC) samples include field duplicate samples, matrix spike/matrix spike duplicate (MS/MSD) samples, field blank (FB) samples, and trip blank (TB) samples. Field duplicate samples evaluate laboratory repeatability and MS/MSD samples evaluate matrix effects and the reliability of the analytical processes and equipment. Per NYSDEC *Quality Assurance Project Plan Guidelines* in January 2021, specific guidelines for PFAS require FB samples to be collected a minimum frequency of one per day per matrix (NYSDEC 2021A). FB samples are collected to evaluate the efficacy of equipment decontamination and general cleanliness of the field procedures while TB samples are provided to evaluate whether samples were contaminated by ambient conditions during transit from the project Site to the laboratory. Field duplicate, MS/MSD, FB, and TB samples were collected in accordance with the QAPP.

A total of four blind duplicates were collected including two soil/sediment blind duplicates and two aqueous blind duplicates. Additionally, two MS/MSD, nine FB, and seven TB samples were submitted for laboratory analysis. **Table 2-1** presents each duplicate and its parent sample collected. QA/QC sample results are provided in **Appendix G.**

2.10 Data Validation

Under the provisions of NYSDEC Environmental Restoration Program (ERP) guidelines, all environmental site data is required to undergo a third-party validation by a qualified firm. ERP requires that data is reliable and meets certain basic requirements as identified in *DER-10/Technical Guidance for Site Investigation and Remediation*, May 2010. Under Appendix 2B of DER-10, all data is required to meet the standards set forth in the *Data Usability Summary Report (DUSR)* meeting NYSDEC Analytical Services Protocol (ASP) Category B requirements (NYSDEC 2020).

All analytical data were validated by an independent data validator, Data Validation Services of North Creek, New York. Validation was performed in accordance with NYSDEC DUSR guidance references in NYSDEC DER-10 (NYSDEC 2010).

Some QC parameters were outside criteria; associated sample results were qualified accordingly. Data qualified as estimated J (estimated value), JL (estimated biased low), JH (estimated biased high), U (undetected), or UJ (estimated undetected) are usable for project decisions. Rejected data cannot be used in the decision-making process for this project. No rejected data was identified for this project.

All data reported herein are usable with the appropriate data validation qualifiers applied. Data generated during field investigation are considered definitive level data and are usable for intended purposes. The DUSRs are provided in **Appendix H**.

Section 3

Physical Setting

The physical characteristics of the Site and surrounding area are important for understanding the current nature and extent of contamination and future transport of contaminants. These characteristics can be described in terms of the demography and land use, meteorology, surface features and drainage, geology, and hydrogeology. This section describes the physical characteristics of the Site and surrounding environment.

3.1 Surface Topography and Features

The Site lies at an approximate elevation of 467 feet above mean sea level (amsl). Site ground surface elevations range from about 485 feet amsl at the inactive landfills at the northeast side of the Site to 415 feet amsl along the Walloomsac River at the west side of the Site. The Walloomsac River flows east to west in the vicinity of the Site and is a tributary of the Hoosic River. The Site contains areas of heavy vegetation, wooded areas, and consists mostly of loose sandy silt. Access to the Site is through Cottrell Road.

Several surface water features were identified during the 2019 site reconnaissance. Two settling lagoons were identified southwest of the main plant buildings across the Walloomsac River. Each lagoon is approximately 1.25 acres in size. Based on historical aerial imagery, the lagoons are not always full of standing water, indicating the lagoons are likely not lined. Historical aerial imagery and observations made during the 2019 site reconnaissance identified three rectangular ponded areas south of the most western inactive landfill and directly east of the main facility building. Two ponded areas were also identified during Phase I of the Site investigation performed in March 1987 (Wehran Engineering 1987); one located approximately 200 feet east of the most eastern inactive landfill and one bounded by the southwestern edge of the most eastern inactive landfill and the Walloomsac River. Phase I indicated that both ponded areas were created by a backhoe. The two ponded areas identified during Phase I were not identified during the 2019 site reconnaissance. Based on the radius map provided in the environmental database report, wetland areas are present within the boundary of the Site.

3.2 Geology

Rensselaer County is comprised of unconsolidated Pleistocene deposits, underlain by middle Ordovician bedrock. The unconsolidated material was glacially deposited, mainly comprised of basal till and outwash material. The underlying bedrock is shown to be Walloomsac Slate, a metamorphosed phase of the Normanskill Shale, which lies conformably above the Stockbridge limestone.

Based on lithologic logs and soil observations from the subsurface soil investigation, soil types encountered were relatively consistent sitewide. The top two inches are mainly comprised of silt and organic topsoil. Below the top two inches, the soil remained silty with a higher percentage of variable grain-sized sand, gravel, and brick fragments in numerous boring locations. Historical reports identified two inactive landfills throughout the Site. The most western of the inactive two

landfills lies within the 100-year floodplain. Lithology was recorded within a portion of the most eastern inactive landfill, containing waste materials from 1 to 15 feet bgs. Minimal clay content was observed sitewide.

3.3 Hydrogeology

The main aquifer at the Former Columbia Corporation is a stratified drift aquifer. Primarily silt, sand, and gravel were deposited from glacial ice retreat in the form of fluvial and basal till deposits. Stratified drift aquifers are typically discontinuous and are fractured bedrock aquifers. The glacial till generally has low permeability, and outwash deposits comprised of the poorly sorted sand and gravel are highly permeable. The Middle-Ordovician Walloomsac slate is capable of transmitting water only through fractured joints in the bedrock. The nature of these fractures is unknown, as shale and slate can only produce water based on the size and extent of the fractured zone.

A synoptic round of groundwater levels was collected from the site wells on January 26, 2021. Depth to water measurements ranged from 4 to 15 feet below top of inner casing. Groundwater elevations ranged from 458.91 to 480.54 feet amsl. Based on groundwater elevation data collected, in the area north of the river, groundwater flows southwest toward the Walloomsac River. The Walloomsac River flows from east to west and is a sensitive receptor that bisects the site at Cottrell Road. **Table 2-2** provides the groundwater elevation for each monitoring well, and **Figure 3-1** depicts groundwater contours based on the synoptic round.

Section 4

Site Characterization Results

Soil analytical results were screened against the following criteria:

- NYSDEC Unrestricted Use SCOs – NYCRR Part 375-6.8(a).
- NYSDEC Restricted Industrial Use SCOs – NYCRR Part 375-6.8(b).
- NYSDEC Restricted Use Protection of Groundwater SCOs – NYCRR Part 375-6.8(b).

Sediment analytical results were screened against guidance values obtained from the NYSDEC Division of Fish, Wildlife and Marine Resources Bureau of Habitat *Screening and Assessment of Contaminated Sediment* (June 24, 2014). The guidance values for sediment are broken down in to three classes, Class A, Class B, and Class C. A discussion of the definition of each class is provided below:

- Class A – If concentration of the contaminant in sediment is below the guidance value in this class, the contaminants can be considered to present little or no potential for risk to aquatic life.
- Class B – If the concentration of a contaminant lies between the Class A and Class C guidance values, additional information is needed to determine the potential risk to aquatic life.
- Class C – If the concentration of the contaminant is above the guidance value that defines this class, there is a high potential for the sediments to be toxic to aquatic life.

Groundwater and surface water results were compared to:

- Technical Operations and Guidance Series (TOGS) 1.1.1 – Ambient Water Quality Standards (AWQS).

PFAS results were screened using criteria summarized in *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs* (NYSDEC 2021A). PFOA and PFOS results in soil samples were compared to the Unrestricted Use, Industrial Use, and the Protection of Groundwater guidance values. PFAS guidance values for sediment are not currently available. However, PFOA and PFOS results in sediment samples were compared to the Unrestricted Use and Industrial Use PFAS guidance values for reference purposes. The current PFAS guideline document does not present criteria for SPLP analysis; SPLP can be used for the evaluation of potential PFAS leaching from soils. In groundwater and surface water samples, PFOS and PFOA concentrations were compared to the screening level of 10 nanograms per liter (ng/L). Total quantified PFAS (the sum of the concentrations of PFAS compounds reported by the analytical method used for each media) do not currently have a screening level. However, total quantified PFAS concentrations for all media is presented in Sections 4.1 through 4.3 for informational purposes.

A summary of all samples collected is presented in **Table 3-1**.

4.1 Summary of Soil Sampling Results

Soil samples were analyzed by Eurofins TestAmerica Laboratories for TCL VOCs, TCL SVOCs, pesticides, PCBs, TAL metals, mercury, cyanide, 1,4-dioxane, PFAS, and SPLP PFAS. One duplicate soil sample was collected. Soil analytical results are summarized in **Tables 4-1a** and **4-1b**. Several analytes exceeded the various soil screening criteria and are shown in **Figures 4-1a** and **4-1b** and outlined below:

NYSDEC Unrestricted Use SCOs

- Several compounds were detected in soil samples at concentrations exceeding the Unrestricted Use SCOs including:
  - *VOCs*: acetone.
  - *Pesticides*: P,P'-DDD and P,P'-DDT.
  - *PCBs*: Aroclor 1242, Aroclor 1254, Aroclor 1260.
  - *Inorganics*: arsenic, copper, lead, mercury, nickel, and zinc.
- Soil samples from PZ-01, PZ-02, SB-03, SB-04, SB-06, and SB-07 had concentrations of contaminants exceeding the Unrestricted Use SCOs. Depths of exceedances ranged from the surface (0 to 0.17 feet bgs) at PZ-01, PZ-02, SB-04, SB-06, and SB-07; the shallow subsurface depth (0.17 to 1 foot bgs) at PZ-01, PZ-02, SB-03, SB-04, SB-06, SB-07; and to the deeper subsurface depth (samples collected between 1 foot to 13 feet bgs) at PZ-02, SB-04, SB-06, and SB-07.

NYSDEC Restricted Use SCOs

- There were no detections in soil samples at concentrations exceeding the Restricted Use SCOs for Industrial Use.
- There were no detections in soil samples at concentrations exceeding the Protection of Groundwater SCOs.

NYSDEC PFAS Guidance Values for Anticipated Use

NYSDEC does not have SCOs listed for PFAS; however, the *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs* (NYSDEC 2021A) proposes guidance values for PFOA and PFOS for Unrestricted, Industrial, and Protection of Groundwater. PFAS were detected in 19 of the 20 soil samples collected, including all seven of the surface soil samples collected at the Site. A total of 17 of the 20 soil samples collected also had concentrations of total quantified PFAS greater than 1 µg/kg. Shallow subsurface soil samples (sample depth 0.17 to 1 foot) were analyzed for SPLP PFAS. A summary of exceedances of the guidance values and a summary of the SPLP and total quantified PFAS concentrations are provided below based on depth interval collected.

Unrestricted Use Guidance Values – PFOA and PFOS

- *PFOS*: Concentrations above 0.88 µg/kg were detected in 13 soil samples ranging from 1 JH µg/kg (SB-04, 0.17 to 1 foot bgs) to 34 JH µg/kg (SB-05, 0.17 to 1 foot bgs).
- *PFOA*: Concentrations above 0.66 µg/kg were detected in 10 soil samples ranging from 0.78 µg/kg (field duplicate of SB-06, 0.17 to 1 foot bgs) to 4.2 µg/kg (PZ-02, 0.17 to 1 foot bgs).

Protection of Groundwater Guidance Values – PFOA and PFOS

- *PFOS*: Concentrations above 1.1 µg/kg were detected in 12 soil samples ranging from 1.1 JH µg/kg (SB-04, 10 to 11 feet bgs) to 34 JH µg/kg (SB-05, 0.17 to 1 foot bgs).
- *PFOA*: Concentrations above 3.7 µg/kg were detected in one soil sample at 4.2 µg/kg (PZ-02, 0.17 to 1 foot bgs).

Industrial Use Guidance Values – PFOA and PFOS

- There were no PFOA or PFOS detections in soil samples at concentrations exceeding the guidance values for Industrial Use.

Total Quantified PFAS

- Surface: Concentrations ranged from 12.05 µg/kg (SB-06) to 45.82 µg/kg (SB-05).
- Vadose Zone: Concentrations ranged from 12.29 µg/kg (SB-05) to 21.97 µg/kg (PZ-02).
- Intermediate Zone: Concentrations ranged from 13.27 µg/kg (MW-07) to 50.32 µg/kg (SB-05).

SPLP PFAS

- SPLP PFAS concentrations were detected in all seven shallow subsurface soil samples collected at the Site (0.17 to 1 foot below ground surface). A summary of the concentrations detected is detailed below:
    - *SPLP PFOS*: Concentrations above 10 ng/L were detected in four soil samples ranging from 11 ng/L (PZ-01, 0.17 to 1 foot bgs) to 310 ng/L (SB-05, 0.17 to 1 foot bgs).
    - *SPLP PFOA*: Concentrations above 10 ng/L were detected in four soil samples ranging from 39 ng/L (PZ-01, 0.17 to 1 foot bgs) to 79 ng/L (SB-05, 0.17 to 1 foot bgs).

4.2 Summary of Groundwater Sampling Results

Groundwater samples were analyzed by Eurofins TestAmerica Laboratories for TCL VOCs, TCL SVOCs, pesticides, PCBs, TAL metals, mercury, cyanide, 1,4-dioxane, and PFAS. One duplicate groundwater sample was collected. Groundwater analytical results are summarized in **Tables 4-2a** and **4-2b.** Several analytes exceeded the groundwater screening criteria and are shown in **Figures 4-2a** and **4-2b** and outlined below:

- One VOC was detected in a groundwater sample at a concentration exceeding the NYSDEC Ambient Water Quality Standards (AWQS) including:

  - *Ethylbenzene*: Concentration was detected at MW-03 (7.4 µg/L) exceeding the AWQS of 5 µg/L.

- One SVOC was detected in a groundwater sample at a concentration exceeding the NYSDEC AWQS including:
  - *Benzyl butyl phthalate*: Concentration was detected in the field duplicate of the parent sample collected at MW-05 (5.1 J µg/L) exceeding the AWQS of 5 µg/L.

- One PCB was detected in a groundwater sample at a concentration exceeding the NYSDEC AWQS including:
  - *Aroclor 1242*: Concentration was detected in the MW-04 (1.2 µg/L) exceeding the AWQS of 0.09 µg/L.

- Several inorganics were detected in groundwater samples at concentrations exceeding the NYSDEC AWQS including:
  - *Iron*: Concentrations were detected at seven monitoring wells exceeding the AWQS of 0.3 mg/L ranging from 0.69 J mg/L (MW-01) to 93.3 JH mg/L (MW-03).
  - *Manganese*: Concentrations were detected seven monitoring wells exceeding the AWQS of 0.3 mg/L ranging from 0.35 JH mg/L (MW-01) to 4.1 JH mg/L (PZ-02)
  - *Magnesium*: Concentrations were detected at MW-05 (44.4 mg/L) and PZ-02 (58.8 mg/L) exceeding the AWQS of 35 mg/L.
  - *Sodium*: Concentrations were detected at three monitoring wells exceeding the AWQS of 20 mg/L at concentrations ranging from 36.2 mg/L (PZ-01) to 86.6 mg/L (MW-05).

- PFOA and PFOS were detected in groundwater samples at concentrations exceeding guidance criteria summarized in *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs* (NYSDEC 2021A):
  - *PFOS*: Concentrations were detected at all nine monitoring wells exceeding the screening level of 10 ng/L ranging from 12 ng/L (MW-04 and PZ-01) to 260 ng/L (PZ-02).
  - *PFOA*: Concentrations were detected at all nine monitoring wells exceeding the screening level of 10 ng/L ranging from 27 ng/L (MW-02 and MW-04) to 770 ng/L (PZ-02).

4.3 Summary of Surface Water Sampling Results

Surface water samples were analyzed by Eurofins TestAmerica Laboratories for TCL VOCs, TCL SVOCs, pesticides, PCBs, TAL metals, mercury, cyanide, 1,4-dioxane, and PFAS. One duplicate surface water sample was collected. Surface water analytical results are summarized in **Tables 4-3a** and **4-3b**. Several analytes exceeded the surface water screening criteria and are shown in **Figures 4-3a** and **4-3b** and outlined below:

- Several inorganics were detected in surface water samples at concentrations exceeding the NYSDEC AWQS including:
  - *Antimony*: Concentrations were detected at SW-04 (0.017 mg/L) exceeding the AWQS of 0.003 mg/L.
  - *Arsenic*: Concentrations were detected at SW-04 (0.13 JH mg/L) exceeding the AWQS of 0.025 mg/L.
  - *Beryllium*: Concentrations were detected at SW-04 (0.0037 JH mg/L) exceeding the AWQS of 0.003 mg/L.
  - *Cadmium*: Concentrations were detected at SW-04 (0.019 JH mg/L) exceeding the AWQS of 0.005 mg/L.
  - *Total Chromium*: Concentrations were detected at SW-04 (0.23 mg/L) exceeding the AWQS of 0.05 mg/L.
  - *Copper*: Concentrations were detected at SW-04 (1.3 JH mg/L) exceeding the AWQS of 0.2 mg/L.
  - *Iron*: Concentrations were detected at three locations exceeding the AWQS of 0.3 mg/L ranging from 0.58 JH mg/L (SW-02) to 246 JH mg/L (SW-04).
  - *Lead*: Concentrations were detected at SW-04 (1.6 mg/L) exceeding the AWQS of 0.025 mg/L.
  - *Magnesium*: Concentrations were detected at SW-04 (102 JH mg/L) exceeding the AWQS of 35 mg/L.
  - *Manganese*: Concentrations were detected at SW-02 (0.32 JH mg/L) and SW-04 (4.8 JH mg/L) exceeding the AWQS of 0.3 mg/L.
  - *Mercury*: Concentrations were detected at SW-04 (0.005 mg/L) exceeding the AWQS of 0.0007 mg/L.
  - *Nickel*: Concentrations were detected at SW-04 (0.28 mg/L) exceeding the AWQS of 0.1 mg/L.
  - *Zinc*: Concentrations were detected at SW-04 (4.4 JH mg/L) exceeding the AWQS of 2 mg/L.
- One pesticide was detected in surface water samples at concentrations exceeding the NYSDEC AWQS including:
  - *Alpha hexachlorocyclohexane (Alpha BHC)*: Concentrations were detected at SW-01 (0.016 J µg/L) and SW-02 (0.015 J µg/L) exceeding the AWQS of 0.01 µg/L.

- PFOA and PFOS were detected in surface water samples at concentrations exceeding criteria summarized in *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs* (NYSDEC 2021A):
  - *PFOS*: Concentrations were detected at five of the nine surface water sample locations exceeding the screening level of 10 ng/L ranging from 26 ng/L (SW-06) to 500 ng/L (SW-01).
  - *PFOA*: Concentrations were detected at all nine surface water sample locations exceeding the screening level of 10 ng/L ranging from 24 ng/L (SW-03 and SW-09) to 240 ng/L (SW-01).

4.4 Summary of Sediment Sampling Results

Sediment samples were analyzed by Eurofins TestAmerica Laboratories for TCL VOCs, TCL SVOCs, pesticides, PCBs, TAL metals, mercury, cyanide, 1,4-dioxane, and PFAS. One duplicate sediment sample was collected. Sediment analytical results are summarized in **Tables 4-4a** and **4-4b**. Several analytes exceeded the sediment guidance values and are shown in **Figures 4-3a** and **4-3b** and outlined below:

NYSDEC Class B Sediment Guidance Values

- Several compounds were detected in sediment samples at concentrations representing the Class B guidance values (concentration lies between Class A and Class C guidance values) which indicate additional information is needed to determine the potential risk to aquatic life:
  - *PCBs:*
    - *Aroclor 1254:* Concentrations were detected at SED-04 (0.7 mg/kg) within the Class B guidance value range of 0.1 to 1 mg/kg.
  - *Inorganics:*
    - *Arsenic:* Concentrations were detected at SED-04 (24.7 mg/kg) within the Class B guidance value range of 10 to 33 mg/kg
    - *Total Chromium:* Concentrations were detected at SED-04 (65.2 JH mg/kg) within the Class B guidance value range of 43 to 110 mg/kg.
    - *Lead:* Concentrations were detected at SED-09 (80.8 JL mg/kg) within the Class B guidance value range of 36 to 130 mg/kg.
    - *Zinc:* Concentrations were detected at SED-02 (153 mg/kg) within the Class B guidance value range of 120 to 460 mg/kg.

NYSDEC Class C Guidance Values

- Several compounds were detected in sediment samples at concentrations above the Class C guidance values which indicate high potential for sediments to be toxic to aquatic life:

- *Inorganics:*
  - *Cadmium:* Concentrations were detected at SED-04 (5.4 mg/kg) exceeding the Class C guidance value of 5 mg/kg.
  - *Lead:* Concentrations were detected at SED-04 (462 mg/kg) exceeding the Class C guidance value of 130 mg/kg.
  - *Mercury:* Concentrations were detected at SED-04 (1.2 mg/kg) exceeding the Class C guidance value of 1 mg/kg.
  - *Nickel:* Concentrations were detected at SED-04 (72.5 mg/kg) exceeding the Class C guidance value of 49 mg/kg.
  - *Silver:* Concentrations were detected at SED-04 (2.3 J mg/kg) exceeding the Class C guidance value of 2.2 mg/kg.
  - *Zinc:* Concentrations were detected at SED-04 (1,110 JH mg/kg) exceeding the Class C guidance value of 460 mg/kg.

NYSDEC does not have PFAS guidance values listed for PFAS detected in sediment samples; however, the *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs* (NYSDEC 2021A) proposes guidance value levels for PFOA of 0.66 parts per billion (ppb) and PFOS of 0.88 ppb for soil samples. As such, all PFAS compounds detected in sediment samples were screened against the guidance values for comparative purposes. PFAS compounds were detected in all sediment samples collected, and four samples had concentrations of PFOA and/or PFOS greater than guidance values. A summary of the PFAS concentrations detected in sediment samples is provided below:

- Several PFAS were detected in sediment samples at concentrations exceeding the Unrestricted Use PFAS guidance criteria summarized in *Guidelines for Sampling and analysis of PFAS Under NYSDEC's Part 375 Remedial Programs* (NYSDEC 2021A):
  - *PFOS*: Concentrations were detected above 0.88 µg/kg at SED-04 (22 B µg/kg), SED-05 (1.1 JH µg/kg), and SED-06 (14 B µg/kg).
  - *PFOA*: Concentrations were detected above 0.66 µg/kg at SED-04 (7.2 µg/kg), SED-06 (3.3 µg/kg), and SED-07 (0.81 µg/kg).

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Section 5

Findings and Conclusions

5.1 Exceedances of Applicable Standards and Guidelines

In general, various contaminants were detected in soil, groundwater, sediment and surface water across the Site at concentrations exceeding respective standards. The following page presents analytical summary detection and exceedance tables by matrix (**Table 5-1a** through **Table 5-1d**). While VOC, SVOC, pesticide, PCB, and some inorganic exceedances were detected throughout the Site, detections were generally inconsistent and not concentrated at any one particular set of locations. However, in the case of the more consistent inorganic exceedances, those may be a result of locally elevated metals concentrations in both soil and groundwater. Exceedances in soil only exceeded the Unrestricted Use SCOs. VOC, SVOC, pesticide, PCB, and metal detections in soil did not exceed the Protection of Groundwater SCOs nor the Industrial Use SCOs anywhere onsite. Concentrations of PCBs and metals in sediment were detected at levels consistent with the Class B sediment guidance criteria at only three locations. A select set of metals at one of the three locations also exceeded the Class C sediment guidance values.

PFAS were detected more consistently throughout the Site in all media sampled. Concentrations of PFAS exceeding the guidance criteria presented in the *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs* (NYSDEC 2021A) were detected in all matrices. PFOA and PFOS were the most frequently detected PFAS. Exceedances of the water sample PFAS guidance criteria were detected in all eight groundwater samples and all nine surface water samples. A total of 15 of the 20 soil samples had exceedances of the Unrestricted Use PFAS criteria for PFOA and/or PFOS. A total of 12 of the 20 soil samples had exceedances of the Protection of Groundwater Use PFAS criteria for PFOA and/or PFOS. Soil samples did not exceed the Industrial Use PFAS guidance criteria at any locations sampled at the Site. PFAS exceedances in soil were generally more prevalent toward soil samples collected from both the surface soil and the shallow subsurface soil (0 to 0.17 feet and 0.17 to 1 foot, respectively). Sediment samples also had PFAS concentrations exceeding the Unrestricted Use PFAS guidance criteria at surface water features located within the Site boundary. Sediment samples collected from the Walloomsac River did not have PFAS concentrations exceeding relevant criteria.

In groundwater, one VOC, one SVOC, one PCB, and several inorganics exceeded AWQS. PFAS compounds, specifically PFOS and PFOA were also detected in groundwater at concentrations greater than NYSDEC PFAS criteria listed in the *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs* (NYSDEC 2021A). These concentrations are also expected to be related to the historical use of the property as a paper mill, private landfill, and/or nearby fuel spills from former underground storage tanks and associated disposal of impacted material. A discussion of the specific Site operations that potentially caused contamination is included in Section 5.2.

Table 5-1a Summary of Groundwater Exceedances

Analyte Group	Site Related Contaminants	Standards/Criteria		2020/2021 Field Investigation Results				
		NYSDEC AWQS (µg/L)	NYSDEC PFAS Guidance Values (ng/L)	Maximum Concentration Detected (µg/L)	Location of Maximum Concentration Detected	Number of Detects/Total Samples	Number of Detects above NYSDEC AWQS	Number of Detects above NYSDEC PFAS Guidance Values
VOCs	Ethylbenzene	5	NA	7.4	MW-03	1/8	1	NA
SVOCs	Benzyl Butyl Phthalate	5	NA	5.1	MW-03	1/8	1	NA
PCBs	Aroclor 1242	0.09	NA	1.2	MW-04	1/8	1	NA
Inorganics	Iron	300	NA	93,300	MW-03	8/8	7	NA
	Magnesium	35,000	NA	58,800	PZ-02	8/8	2	NA
	Manganese	300	NA	4,100	PZ-02	8/8	7	NA
	Sodium	20,000	NA	86,600	MW-05	8/8	3	NA
PFAS	PFOS	NC	10	260	PZ-02	8/8	NA	8
	PFOA	NC	10	770	PZ-02	8/8	NA	8

Table 5-1b Summary of Surface Water Exceedances

Analyte Group	Site Related Contaminants	Standards/Criteria		2020/2021 Field Investigation Results				
		NYSDEC AWQS (µg/L)	NYSDEC PFAS Guidance Values[2] (ng/L)	Maximum Concentration Detected (µg/L)	Location of Maximum Concentration Detected	Number of Detects / Total Number of Samples	Number of Detects above NYSDEC AWQS	Number of Detects above NYSDEC PFAS Guidance Values
Pesticides	Alpha BHC	0.01	NA	0.016	SW-01	2/6	2	NA
Inorganics	Antimony	3	NA	17	SW-04	1/6	1	NA
	Arsenic	25	NA	130	SW-04	1/6	1	NA
	Beryllium	3	NA	3.7	SW-04	1/6	1	NA
	Cadmium	5	NA	19	SW-04	1/6	1	NA
	Chromium	50	NA	230	SW-04	1/6	1	NA
	Copper	200	NA	1,300	SW-04	1/6	1	NA
	Iron	300	NA	246,00	SW-04	6/6	3	NA
	Lead	25	NA	1,600	SW-04	1/6	1	NA
	Magnesium	35,000	NA	102,000	SW-04	6/6	1	NA
	Manganese	300	NA	4,800	SW-04	6/6	2	NA
	Mercury	0.7	NA	5	SW-04	1/6	1	NA
	Nickel	100	NA	280	SW-04	1/6	1	NA
	Zinc	2,000	NA	4,400	SW-04	3/6	1	NA
PFAS	PFOS	NC	10	0.5	SW-01	5/9	NA	5
	PFOA	NC	10	0.24	SW-01	9/9	NA	9

Table 5-1c Summary of Soil Exceedances

Analyte Group	Site Related Contaminants	Standards/Criteria	2020/2021 Field Investigation Results			
		NYSDEC Unrestricted Use SCOs/PFAS Guidance Criteria (µg/kg)	Maximum Concentration Detected (µg/kg)	Location of Maximum Concentration Detected (depth feet bgs)	Number of Detects/Total Samples	Number of Detects above NYSDEC Unrestricted Use SCOs/PFAS Guidance Criteria
VOCs	Acetone	50	59	SB-07 (11-13)	1/20	1
PCBs	Aroclor 1242	100	120	SB-06 (0-0.17)	1/20	1
	Aroclor 1254	100	130	SB-06 (0.17-1)	1/20	1
	Aroclor 1260	100	130	SB-07 (0-0.17)	1/20	1
Pesticides	P,P'-DDD	3.3	6.9	SB-06 (0-0.17)	3/20	2
	P,P'-DDT	3.3	63	SB-06 (6.5-7.5)	9/20	2
Inorganics	Arsenic	13,000	15,00	SB-07 (11-13)	20/20	2
	Copper	50,000	78,300	SB-06 (0.17-1)	20/20	4
	Lead	63,000	126,000	SB-07 (0-0.17)	20/20	5
	Mercury	180	510	PZ-02 (3-4)	20/20	10
	Nickel	30,000	39,500	SB-03 (0.17-1)	20/20	3
	Zinc	109,000	169,000	SB-06 (6.5-7.5)	20/20	10
PFAS	PFOS	0.88	34	SB-05 (24-26)	16/20	13
	PFOA	0.66	4.2	PZ-02 (0.71-1)	19/20	9

Table 5-1d Summary of Sediment Exceedances

Analyte Group	Site Related Contaminants	Standards/Criteria	2020/2021 Field Investigation Results					
		NYSDEC Sediment Guidance Values [Class B, Class C] /PFAS Guidance Criteria (µg/kg)	Maximum Concentration Detected (µg/kg)	Location of Maximum Concentration Detected	Number of Detects/Total Samples	Number of Detects above NYSDEC Sediment Guidance Values/PFAS Guidance Criteria		
						PFAS Criteria	Class B	Class C
PCBs	Aroclor 1254	100	700	SED-04	1/6		1	
Inorganics	Arsenic	13,000	24,700	SED-04	5/6		1	
	Cadmium	2,500	5,400	SED-04	6/6		1	1
	Chromium, Total	30,000	65,200	SED-04	6/6		1	
	Lead	63,000	462,000	SED-04	6/6		2	1
	Mercury	180	1,200	SED-04	6/6		1	1
	Nickel	30,000	72,500	SED-04	6/6		1	1
	Silver	2,000	2,300	SED-04	3/6		1	1
	Zinc	109,000	1,110,000	SED-04	6/6		2	1
PFAS	PFOS	0.88	22	SED-04	4/9	3		
	PFOA	0.66	7.2	SED-04	6/9	3		

5.2 Site Operations that Potentially Caused Contamination

The Site properties have been utilized for both industrial use and partial agricultural use for many decades. Therefore, based on a review of Site-related background reports, a records search, and the 2019 site reconnaissance, several historical and current Site operations were identified as operations that have potentially caused contamination in the vicinity of the Site. The list of Site operations is detailed below.

- The historical use of the main building area as a papermill. Paper mill operations onsite are said to have historically produced materials at the facility including sheets of paperboard, meat packaging products, filters, and appliance shipping cartons/cardboard. It is unknown if any of the materials produced by any of the previous Site operations or if any of the historical processes performed at the Site included the use of PFAS-containing materials or materials suspected of containing PFAS. However, based on information presented by the ITRC, the paper product and packaging industry is a known generator of PFAS-containing waste that can be introduced to the environment. As operations at the Site historically included the production of materials such as meat packaging products, there is a potential for PFAS-contamination at the Site because of these operations (ITRC 2020).

- An approximately 80-foot tall air stack, centrally located within the main building area, was likely used to vent onsite processes related to the paper mill operations. Data from the AIRS database included in the records search indicated that several contaminants including various inorganics, polycyclic aromatic hydrocarbons (PAHs), particulates, nitrogen oxides, sulfur oxides, and petroleum-related compounds (benzene, toluene, etc.) were all emitted at the Site from 2006 through 2008. Additional records of the air emissions historically generated at the Site were unavailable at the time of this report. It is unknown how long air emissions have been made at the Site. However, this emissions data does provide evidence of the use of the air stack to vent onsite processes, which in turn indicates the potential for historical aerial deposition of inorganics, PAHs, and potentially PFAS to the nearby surface soil and surface water in the vicinity of the Site.

- Two inactive unlined landfills were historically identified at the Site based on historical reports and data presented in the radius report (**Appendix A**). Both landfills were observed to contain wood, refining rejects (metals, plastics, and fiber), wire, and rags. The Phase I report also stated that #6 fuel oil impacted soil was disposed of in the most eastern inactive landfill. Leachate seeps were observed around this landfill during the Phase I as well. It is anticipated that due to the unlined nature of both landfills, landfill leachate has the potential to impact localized soil and groundwater, as well as the sediment and surface water of nearby surface water features. Contaminants associated with these operations potentially include inorganics, VOCs, SVOCs, PCBs, pesticides, and PFAS.

- The discharge of wastewater to the two onsite 1.25-acre settling lagoons south of the Walloomsac River. Each unlined settling lagoon contains two aerators. Aerial images indicate that the lagoons were actively being used during paper mill operations, at minimum, between 1978 and 2007. During their operation, a spill was called in by Bennington Paperboard Co. regarding the pumps to the aerators for the lagoons. The records indicate that wastewater from the ponds overflowed to the Walloomsac River and partially eroded the riverbank. Based on contaminants discharged under the facilities SPDES permit and historical onsite operations, contaminants associated with the settling lagoons potentially include inorganics and PFAS.

5.3 Potential Areas of Concern

5.3.1 Potential Area of Concern 1: Inactive Landfills/Onsite Disposal

Two inactive unlined landfills were historically identified at the Site based on historical reports and data presented in the radius report (**Figure 1-2**). One inactive landfill is located along the most eastern edge of the Site boundary, approximately 1,500 feet northeast of the main building area. The second inactive landfill was historically identified closer to the main building area (approximately 600 feet northeast of the center of the main building area). The Phase I report stated that both landfills were each approximately 5 acres in size. However, estimations from scaled historical aerial images indicate that each landfill was no more than 1-acre in size. During the Site Characterization, lithology was recorded within a portion of the most eastern inactive landfill, and waste materials from 1 to 15 feet bgs were observed within the soil core. However, the vertical and horizontal extents of the landfills were not able to be determined during Site Characterization field activities. The Phase I report stated that both landfills were observed to contain wood, refining rejects (metals, plastics, and fiber), wire, and rags. In addition, #6 fuel oil impacted soil was disposed of in the most eastern inactive landfill. Leachate seeps were observed around this landfill, as well.

Waste material was identified in soil borings SB-04 and SB-03. A sample from the waste material was not able to be collected at either location due to recovery issues. One deeper subsurface soil sample (10 to 11 feet bgs) was collected in the vicinity of the eastern inactive landfill. This sample only had exceedances of the PFAS guidance criteria for PFOS. Groundwater samples collected within the vicinity of the eastern inactive landfill had exceedances of Aroclor 1242, ethylbenzene, benzyl butyl phthalate, inorganics, and PFAS. Inorganics, iron, and manganese were detected in groundwater at concentrations greater than the NYSDEC AWQS throughout the Site. Manganese concentrations were consistent, suggesting regional groundwater may have elevated concentrations of manganese. Iron concentrations were also generally consistent throughout the Site. However, iron had the highest detection at MW-03, located in the vicinity of the eastern inactive landfill, at roughly two orders of magnitude greater than the NYSDEC AWQS. Aroclor 1242, ethylbenzene, and benzyl butyl phthalate were only detected at one well location within the vicinity of the eastern inactive landfill. PFOS and PFOA were detected at concentrations elevated above the NYSDEC PFAS guidance criteria at MW-01 through MW-04, located in the vicinity of the the eastern inactive landfill.

PZ-01 and PZ-02 are located adjacent to the western inactive landfill. Both locations only had samples collected to a terminal depth of 4 feet bgs. Waste was not identified at either boring. The surface soil and shallow subsurface soil samples collected at each boring had the highest exceedances of metals (lead, mercury, and zinc) and pesticides (P,P'-DDT) while the deeper subsurface soil samples (3 to 4 feet bgs) only had few exceedances (one exceedance of mercury above the Unrestricted Use SCO at PZ-02). PFOA and PFOS were both detected above Unrestricted Use PFAS guidance criteria in soil samples collected at PZ-01 and PZ-02. Similar to the inorganic exceedances, PFAS concentrations were the most elevated in the surface and shallow subsurface soil samples (0.17 to 1 foot bgs). Several of the samples also had PFAS exceedances of the Protection of Groundwater PFAS guidance criteria, mainly for PFOS. Due to the depth of the exceedances, multiple contaminant pathways (i.e., aerial deposition, etc.) may have contributed to the elevated contaminant concentrations (see Section 5.1.2). Groundwater analytical results at

both PZ-01 and PZ-02 had elevated concentrations of inorganics and PFAS (PFOA and PFOS) above the relevant standards and guidance criteria.

A sediment and surface water sample (SED-04 and SW-04) collected from the drain ditch adjacent to the western inactive landfill had extensive exceedances of inorganics and an exceedance of Aroclor 1254.

5.3.2 Potential Area of Concern 2: Lagoons

Two 1.25-acre settling lagoons are located in the most southern portion of the Site, approximately 50 feet south of the Walloomsac River. Based on historical drying of the lagoons, it is assumed that both are unlined. However, the construction of the lagoons is generally unknown. During sampling activities, the mudline of each lagoon was estimated to be at approximately 8 feet below the water surface. However, telescoping rods were able to be pushed to depths of 14 feet below the water surface, indicating significant buildup of sediment in both lagoons. Each lagoon has two aerators, none of which were in operation during the time of the Site Characterization field activities. Based on a records search for the Site, it was determined that wastewater from the papermill has historically been directed to the lagoons. Additionally, in 1996 an equipment failure caused a spill of the wastewater from the lagoons in to the Walloomsac River. According to the Town of Hoosick Land Use Maps, the portion of the Site south of the Walloomsac River which includes the settling lagoons, is currently zoned for agricultural use.

Sediment and surface water samples were both collected from the lagoons. PFAS, pesticides, and inorganics were detected above relevant criteria in the surface water samples. Only one of the sediment samples (SED-02) had a concentration of zinc within the Class B guidance value range. PFOA and PFOS results in both sediment samples collected from the lagoons were presented as non-detect. However, the reporting limit for PFOS and PFOA in both sediment samples were elevated above the Unrestricted Use PFAS guidance criteria. Surface water samples had exceedances of NYSDEC AWQS of alpha BHC, iron, and manganese. Both surface water samples collected from the lagoons had exceedances of PFOA and PFOS. The surface water samples collected from the lagoons had the highest concentrations of PFAS detected of all the surface water samples collected at the Site.

Groundwater and soil samples were collected from a single location (SB-05/MW-05) immediately northeast of the corner the northern lagoon closest to the Walloomsac River. PFAS were both detected at elevated concentrations above the relevant PFAS criteria in both the groundwater and soil samples collected adjacent to the lagoons. Both groundwater and soil had exceedances of PFOA and PFOS. Inorganics, iron, magnesium, manganese, and sodium were also detected above the NYSDEC AWQS in MW-05.

Inorganics, specifically iron and manganese, were generally observed at similar concentrations in groundwater throughout the Site. Elevated concentrations of pesticides were observed in surface water samples from the lagoons.

Based on the location of the lagoons, some discharge of surface water in the lagoons may reach the Walloomsac River. The lagoons are also located adjacent to an agricultural field (corn) to the east of the lagoons. The direction of the groundwater in this area is generally unknown. However, it is assumed that groundwater generally flows toward the Walloomsac River. Further

investigation of the lagoons and the surrounding area, as well as the determination of groundwater flow direction in the vicinity of the lagoons, is suggested for future investigation.

5.3.3 Potential Area of Concern 3: Intermittent Stream

An intermittent stream (drainage ditch) is located within the boundaries of the Site, northeast of the main building area. The intermittent stream was first identified in Phase I as a small stream north of the western inactive landfill that only intermittently had surface water present during the extent of the investigation. Stormwater and potentially groundwater are expected to contribute to this stream. A culvert running beneath the railroad tracks also contributes to this stream. The approximately 500-foot intermittent stream ultimately drains to the Walloomsac River.

The surface water (SW-04) and sediment sample (SED-04) collected from the drainage ditch adjacent to the most western inactive landfill and upstream of a culvert running beneath the railroad tracks had the most exceedances of metal analytes in both the sediment and surface water sample. A total of 13 metals exceeded the NYSDEC AWQS in the surface water sample, while 8 metals exceeded the Class B and/or C sediment guidance values. A select six metals (cadmium, lead, mercury, nickel, silver, and zinc) exceeded the Class C sediment guidance values. One PCB, Aroclor-1254 was also detected within the Class B guidance value range in SED-04.

PFOA and PFOS were detected above relevant PFAS guidance criteria in both SED-04 and SW-04. The highest concentrations of PFOA and PFOS of any sediment sample collected at the Site were detected in sediment sample SED-04. The presence of inorganic, PCB, and PFAS contamination in SW-04 and SED-04 suggests a potential onsite source related to a discharge to the drainage ditch adjacent to the western inactive landfill. Therefore, additional investigation of the drainage ditch is suggested.

5.4 Conclusions

Environmental media are impacted by potential COCs based on the results of this site characterization. Additional investigation to define the nature and extent of these impacts would be consistent with these results.

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Section 6

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Figures

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1 inch = 1,500 feet

0 750 1,500 3,000 Feet

Figure 1-1
Site Vicinity Map
Former Columbia Corporation
Hoosick, NY

CDM Smith

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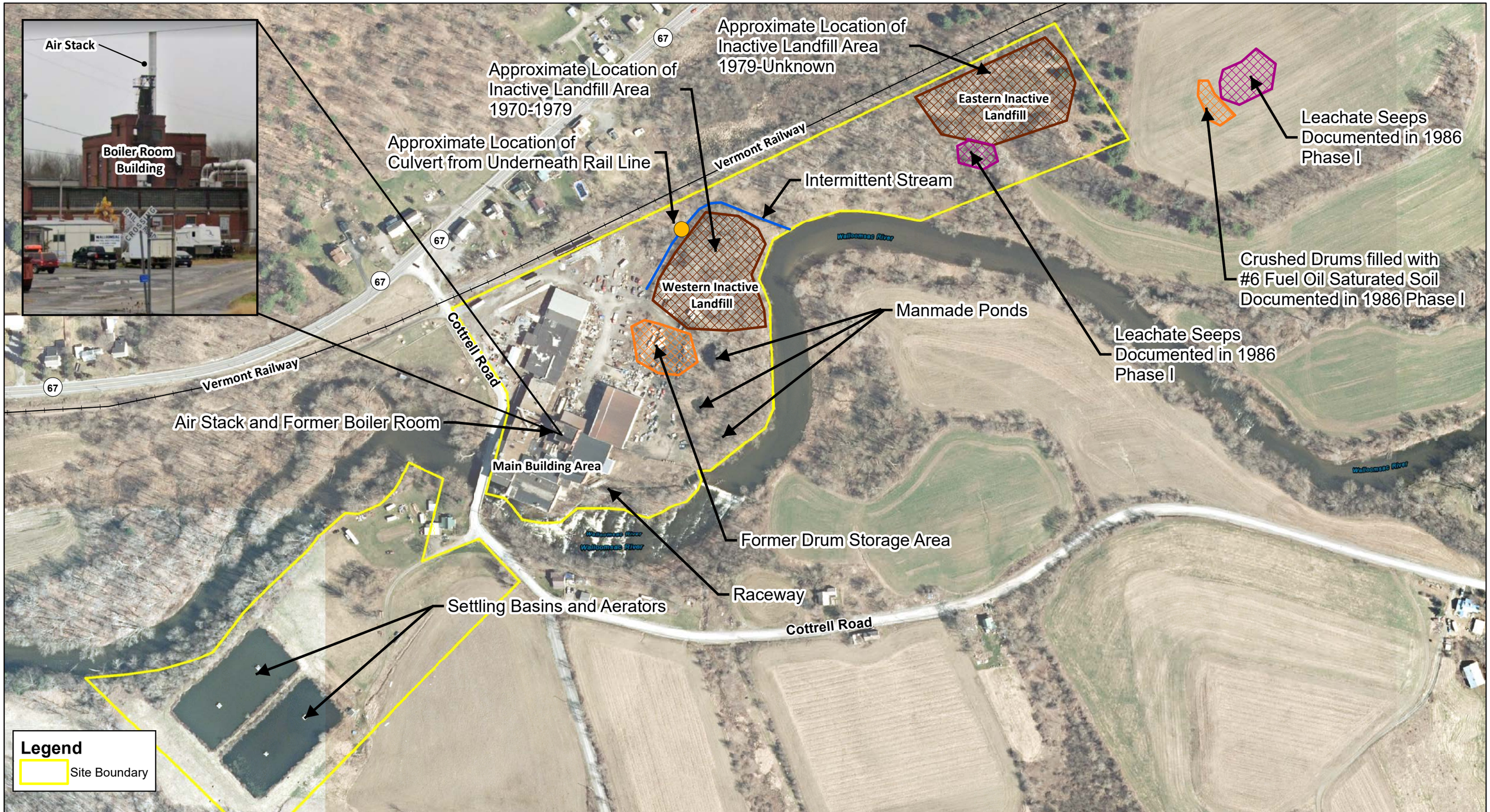

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Notes:
1. Feature locations identified on this figure are approximate and for reference purposes only.

1 inch = 250 feet

0 125 250 500 Feet

Figure 1-2
Site Features Map
Former Columbia Corporation
Hoosick, NY

CDM Smith

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1 inch = 250 feet

0 125 250 500 Feet

Figure 2-1
Sample Location Map
Former Columbia Corporation
Hoosick, NY

CDM Smith

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Notes:
1. Groundwater elevations are in feet above mean sea level

1 inch = 250 feet

0 125 250 500 *Feet*

Figure 3-1
Groundwater Elevation Contour Map
Former Columbia Corporation
Hoosick, NY

CDM Smith

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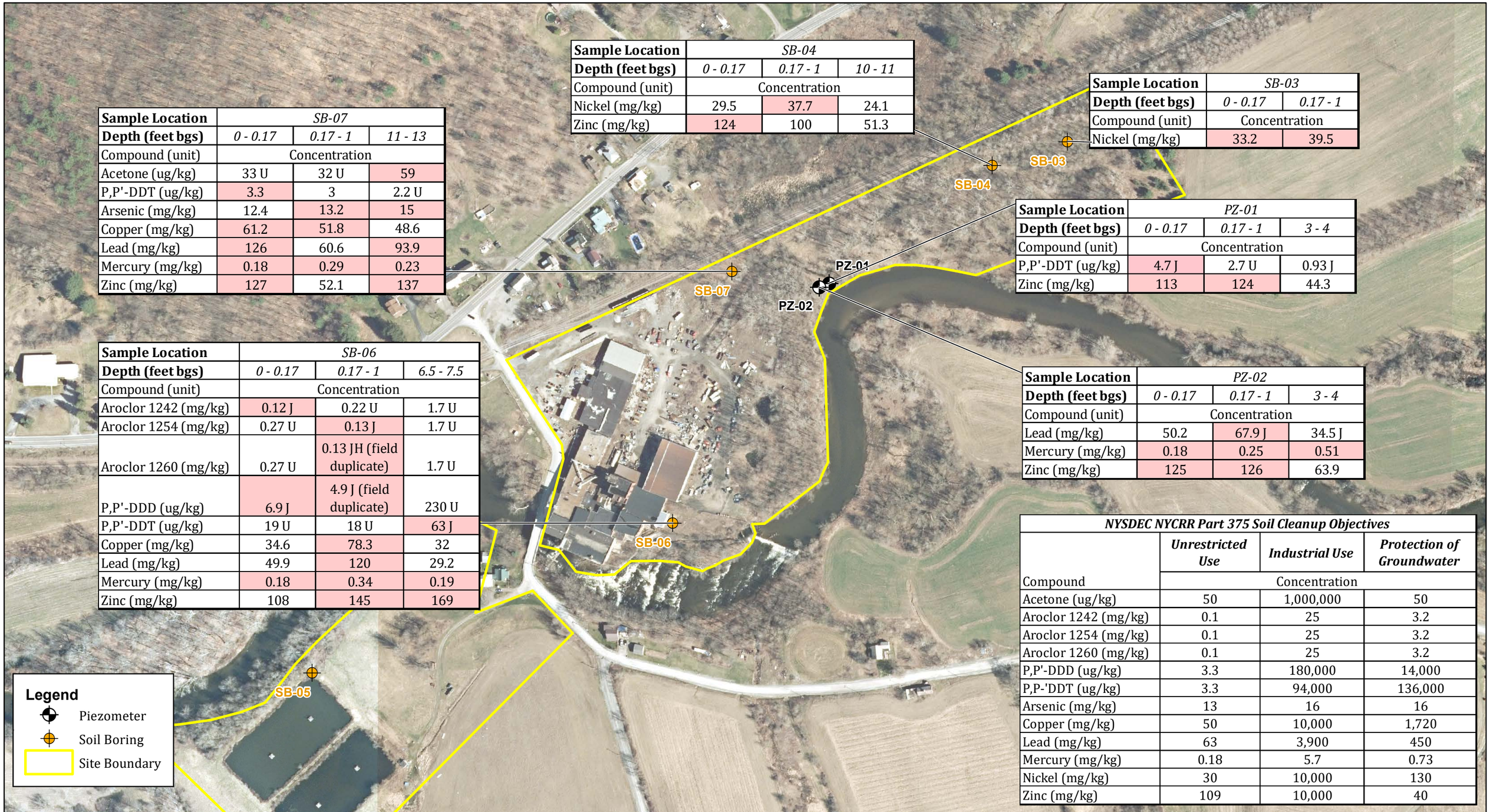

Sample Location	SB-04		
Depth (feet bgs)	0 - 0.17	0.17 - 1	10 - 11
Compound (unit)	Concentration		
Nickel (mg/kg)	29.5	37.7	24.1
Zinc (mg/kg)	124	100	51.3

Sample Location	SB-03	
Depth (feet bgs)	0 - 0.17	0.17 - 1
Compound (unit)	Concentration	
Nickel (mg/kg)	33.2	39.5

Sample Location	SB-07		
Depth (feet bgs)	0 - 0.17	0.17 - 1	11 - 13
Compound (unit)	Concentration		
Acetone (ug/kg)	33 U	32 U	59
P,P'-DDT (ug/kg)	3.3	3	2.2 U
Arsenic (mg/kg)	12.4	13.2	15
Copper (mg/kg)	61.2	51.8	48.6
Lead (mg/kg)	126	60.6	93.9
Mercury (mg/kg)	0.18	0.29	0.23
Zinc (mg/kg)	127	52.1	137

Sample Location	PZ-01		
Depth (feet bgs)	0 - 0.17	0.17 - 1	3 - 4
Compound (unit)	Concentration		
P,P'-DDT (ug/kg)	4.7 J	2.7 U	0.93 J
Zinc (mg/kg)	113	124	44.3

Sample Location	SB-06		
Depth (feet bgs)	0 - 0.17	0.17 - 1	6.5 - 7.5
Compound (unit)	Concentration		
Aroclor 1242 (mg/kg)	0.12 J	0.22 U	1.7 U
Aroclor 1254 (mg/kg)	0.27 U	0.13 J	1.7 U
Aroclor 1260 (mg/kg)	0.27 U	0.13 JH (field duplicate)	1.7 U
P,P'-DDD (ug/kg)	6.9 J	4.9 J (field duplicate)	230 U
P,P'-DDT (ug/kg)	19 U	18 U	63 J
Copper (mg/kg)	34.6	78.3	32
Lead (mg/kg)	49.9	120	29.2
Mercury (mg/kg)	0.18	0.34	0.19
Zinc (mg/kg)	108	145	169

Sample Location	PZ-02		
Depth (feet bgs)	0 - 0.17	0.17 - 1	3 - 4
Compound (unit)	Concentration		
Lead (mg/kg)	50.2	67.9 J	34.5 J
Mercury (mg/kg)	0.18	0.25	0.51
Zinc (mg/kg)	125	126	63.9

NYSDEC NYCRR Part 375 Soil Cleanup Objectives			
	Unrestricted Use	*Industrial Use*	*Protection of Groundwater*
Compound	Concentration		
Acetone (ug/kg)	50	1,000,000	50
Aroclor 1242 (mg/kg)	0.1	25	3.2
Aroclor 1254 (mg/kg)	0.1	25	3.2
Aroclor 1260 (mg/kg)	0.1	25	3.2
P,P'-DDD (ug/kg)	3.3	180,000	14,000
P,P-'DDT (ug/kg)	3.3	94,000	136,000
Arsenic (mg/kg)	13	16	16
Copper (mg/kg)	50	10,000	1,720
Lead (mg/kg)	63	3,900	450
Mercury (mg/kg)	0.18	5.7	0.73
Nickel (mg/kg)	30	10,000	130
Zinc (mg/kg)	109	10,000	40

N

Notes:
1. Exceedances Unrestricted Use Soil Cleanup Objectives are highlighted in red.
3. ug/kg - microgram per kilogram
4. mg/kg - milligram per kilogram
5. bgs - below ground surface
6. J - estimated
7. JH - estimated, biased high
8. U - undetected
9. NYSDEC - New York State Department of Environmental Conservation
10. NYCRR - New York Code of Rules and Regulations

1 inch = 250 feet

0 125 250 500 Feet

Figure 4-1a
Soil Sample Results - Select Organics and Inorganics
Former Columbia Corporation
Hoosick, NY

CDM Smith

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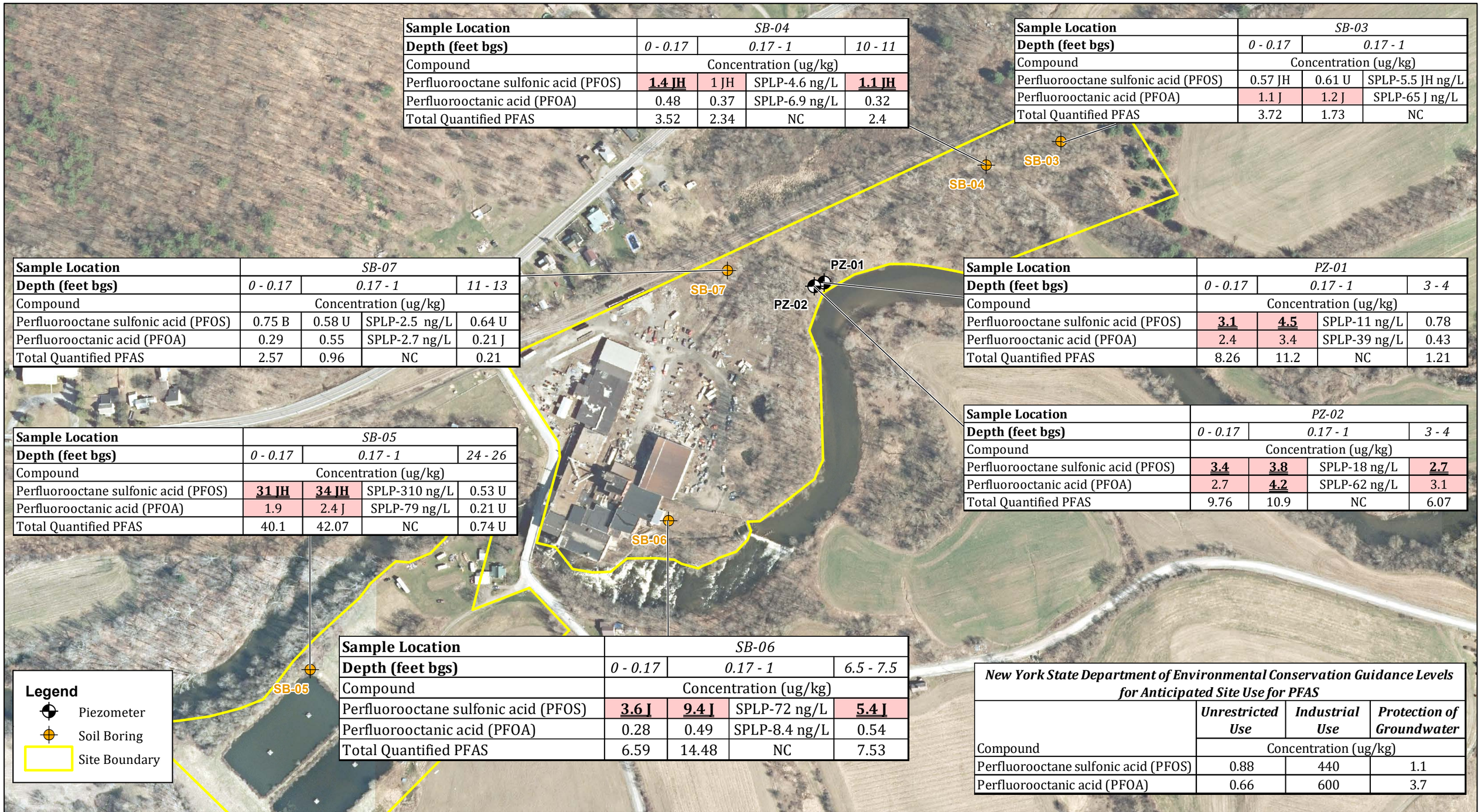

Sample Location	SB-04			
Depth (feet bgs)	*0 - 0.17*	*0.17 - 1*		*10 - 11*
Compound	Concentration (ug/kg)			
Perfluorooctane sulfonic acid (PFOS)	**1.4 JH**	1 JH	SPLP-4.6 ng/L	**1.1 JH**
Perfluorooctanic acid (PFOA)	0.48	0.37	SPLP-6.9 ng/L	0.32
Total Quantified PFAS	3.52	2.34	NC	2.4

Sample Location	SB-03		
Depth (feet bgs)	*0 - 0.17*	*0.17 - 1*	
Compound	Concentration (ug/kg)		
Perfluorooctane sulfonic acid (PFOS)	0.57 JH	0.61 U	SPLP-5.5 JH ng/L
Perfluorooctanic acid (PFOA)	1.1 J	1.2 J	SPLP-65 J ng/L
Total Quantified PFAS	3.72	1.73	NC

Sample Location	SB-07			
Depth (feet bgs)	*0 - 0.17*	*0.17 - 1*		*11 - 13*
Compound	Concentration (ug/kg)			
Perfluorooctane sulfonic acid (PFOS)	0.75 B	0.58 U	SPLP-2.5 ng/L	0.64 U
Perfluorooctanic acid (PFOA)	0.29	0.55	SPLP-2.7 ng/L	0.21 J
Total Quantified PFAS	2.57	0.96	NC	0.21

Sample Location	PZ-01			
Depth (feet bgs)	*0 - 0.17*	*0.17 - 1*		*3 - 4*
Compound	Concentration (ug/kg)			
Perfluorooctane sulfonic acid (PFOS)	**3.1**	**4.5**	SPLP-11 ng/L	0.78
Perfluorooctanic acid (PFOA)	2.4	3.4	SPLP-39 ng/L	0.43
Total Quantified PFAS	8.26	11.2	NC	1.21

Sample Location	SB-05			
Depth (feet bgs)	*0 - 0.17*	*0.17 - 1*		*24 - 26*
Compound	Concentration (ug/kg)			
Perfluorooctane sulfonic acid (PFOS)	**31 JH**	**34 JH**	SPLP-310 ng/L	0.53 U
Perfluorooctanic acid (PFOA)	1.9	2.4 J	SPLP-79 ng/L	0.21 U
Total Quantified PFAS	40.1	42.07	NC	0.74 U

Sample Location	PZ-02			
Depth (feet bgs)	*0 - 0.17*	*0.17 - 1*		*3 - 4*
Compound	Concentration (ug/kg)			
Perfluorooctane sulfonic acid (PFOS)	**3.4**	**3.8**	SPLP-18 ng/L	**2.7**
Perfluorooctanic acid (PFOA)	2.7	**4.2**	SPLP-62 ng/L	3.1
Total Quantified PFAS	9.76	10.9	NC	6.07

Sample Location	SB-06			
Depth (feet bgs)	*0 - 0.17*	*0.17 - 1*		*6.5 - 7.5*
Compound	Concentration (ug/kg)			
Perfluorooctane sulfonic acid (PFOS)	**3.6 J**	**9.4 J**	SPLP-72 ng/L	**5.4 J**
Perfluorooctanic acid (PFOA)	0.28	0.49	SPLP-8.4 ng/L	0.54
Total Quantified PFAS	6.59	14.48	NC	7.53

New York State Department of Environmental Conservation Guidance Levels for Anticipated Site Use for PFAS			
	Unrestricted Use	***Industrial Use***	***Protection of Groundwater***
Compound	Concentration (ug/kg)		
Perfluorooctane sulfonic acid (PFOS)	0.88	440	1.1
Perfluorooctanic acid (PFOA)	0.66	600	3.7

N

Notes:
1. PFAS - per- and polyfluoroalkyl substances
2. Exceedances of the Guidance Values Objectives for PFAS are highlighted in red.
3. Exceedances of the Protection of Groundwater Guidance Values for PFAS are bolded and double underlined.
4. ug/kg - microgram per kilogram
5. bgs - below ground surface
6. J - estimated
7. JH - estimated, biased high
8. U - undetected
9. B - compound detected in the method blank
10. SPLP - Synthetic Precipitation Leaching Procedure
11. NC - not calculated
12. Total Quantified PFAS results are the summation of the concentrations of PFAS analytes reported by the analytical method used for each media.

1 inch = 250 feet

0 125 250 500 Feet

Figure 4-1b
Soil Sample Results - Select PFAS
Former Columbia Corporation
Hoosick, NY

CDM Smith

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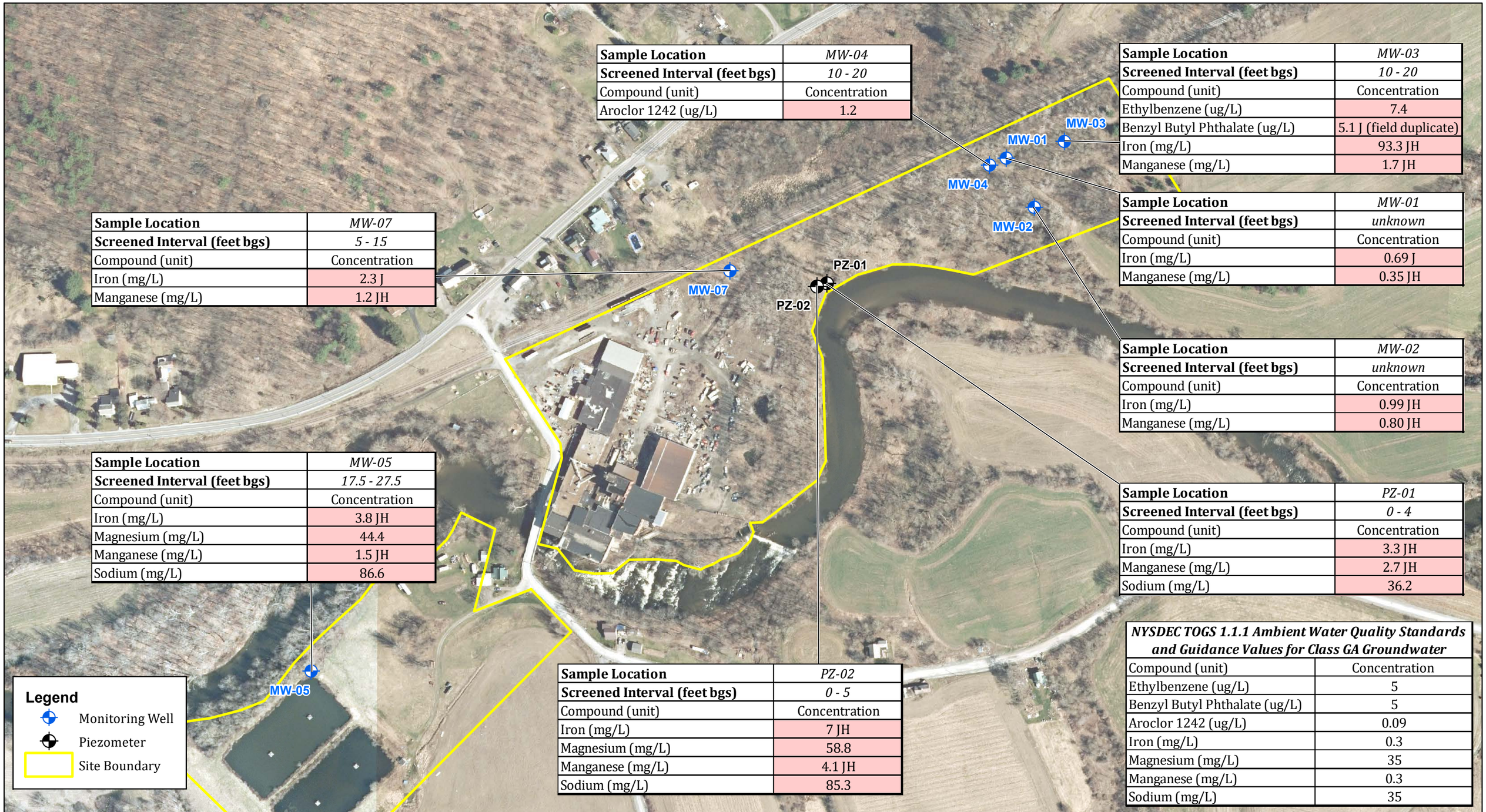

Sample Location	MW-04
Screened Interval (feet bgs)	10 - 20
Compound (unit)	Concentration
Aroclor 1242 (ug/L)	1.2

Sample Location	MW-03
Screened Interval (feet bgs)	10 - 20
Compound (unit)	Concentration
Ethylbenzene (ug/L)	7.4
Benzyl Butyl Phthalate (ug/L)	5.1 J (field duplicate)
Iron (mg/L)	93.3 JH
Manganese (mg/L)	1.7 JH

Sample Location	MW-01
Screened Interval (feet bgs)	unknown
Compound (unit)	Concentration
Iron (mg/L)	0.69 J
Manganese (mg/L)	0.35 JH

Sample Location	MW-07
Screened Interval (feet bgs)	5 - 15
Compound (unit)	Concentration
Iron (mg/L)	2.3 J
Manganese (mg/L)	1.2 JH

Sample Location	MW-02
Screened Interval (feet bgs)	unknown
Compound (unit)	Concentration
Iron (mg/L)	0.99 JH
Manganese (mg/L)	0.80 JH

Sample Location	MW-05
Screened Interval (feet bgs)	17.5 - 27.5
Compound (unit)	Concentration
Iron (mg/L)	3.8 JH
Magnesium (mg/L)	44.4
Manganese (mg/L)	1.5 JH
Sodium (mg/L)	86.6

Sample Location	PZ-01
Screened Interval (feet bgs)	0 - 4
Compound (unit)	Concentration
Iron (mg/L)	3.3 JH
Manganese (mg/L)	2.7 JH
Sodium (mg/L)	36.2

Sample Location	PZ-02
Screened Interval (feet bgs)	0 - 5
Compound (unit)	Concentration
Iron (mg/L)	7 JH
Magnesium (mg/L)	58.8
Manganese (mg/L)	4.1 JH
Sodium (mg/L)	85.3

NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Groundwater	
Compound (unit)	Concentration
Ethylbenzene (ug/L)	5
Benzyl Butyl Phthalate (ug/L)	5
Aroclor 1242 (ug/L)	0.09
Iron (mg/L)	0.3
Magnesium (mg/L)	35
Manganese (mg/L)	0.3
Sodium (mg/L)	35

N

Notes:
1. Only exceedances are shown.
2. ug/L - microgram per liter
3. mg/L - milligram per kilogram
4. bgs - below ground surface
5. J - estimated
6. JH - estimated, biased high
7. NYSDEC - New York State Department of Environmental Conservation

1 inch = 250 feet

0 125 250 500 Feet

Figure 4-2a
Groundwater Sample Results - Select Organics and Inorganics
Former Columbia Corporation
Hoosick, NY

CDM Smith

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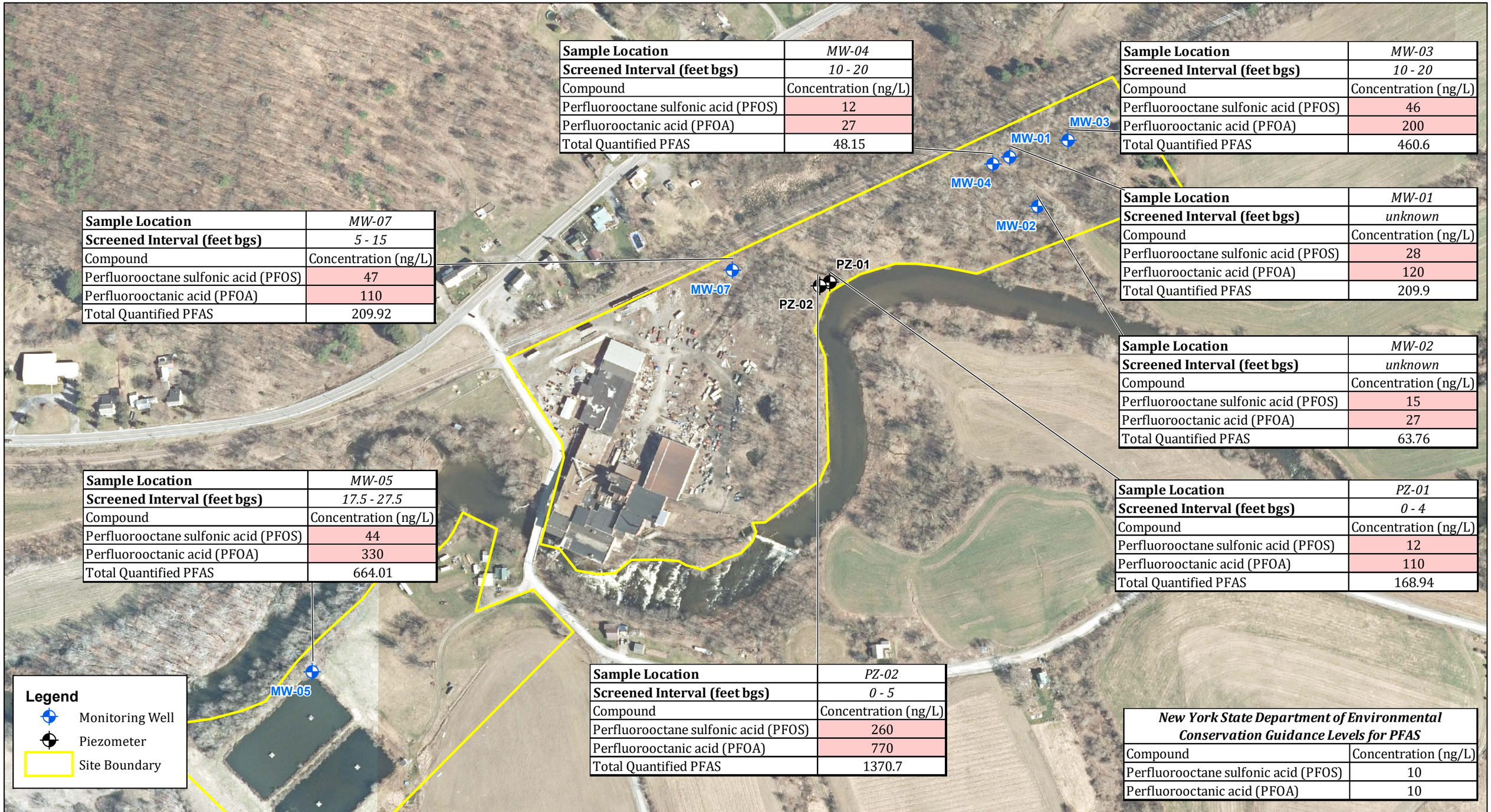

Sample Location	MW-04
Screened Interval (feet bgs)	*10 - 20*
Compound	Concentration (ng/L)
Perfluorooctane sulfonic acid (PFOS)	12
Perfluorooctanic acid (PFOA)	27
Total Quantified PFAS	48.15

Sample Location	MW-03
Screened Interval (feet bgs)	*10 - 20*
Compound	Concentration (ng/L)
Perfluorooctane sulfonic acid (PFOS)	46
Perfluorooctanic acid (PFOA)	200
Total Quantified PFAS	460.6

Sample Location	MW-01
Screened Interval (feet bgs)	*unknown*
Compound	Concentration (ng/L)
Perfluorooctane sulfonic acid (PFOS)	28
Perfluorooctanic acid (PFOA)	120
Total Quantified PFAS	209.9

Sample Location	MW-07
Screened Interval (feet bgs)	*5 - 15*
Compound	Concentration (ng/L)
Perfluorooctane sulfonic acid (PFOS)	47
Perfluorooctanic acid (PFOA)	110
Total Quantified PFAS	209.92

Sample Location	MW-02
Screened Interval (feet bgs)	*unknown*
Compound	Concentration (ng/L)
Perfluorooctane sulfonic acid (PFOS)	15
Perfluorooctanic acid (PFOA)	27
Total Quantified PFAS	63.76

Sample Location	MW-05
Screened Interval (feet bgs)	*17.5 - 27.5*
Compound	Concentration (ng/L)
Perfluorooctane sulfonic acid (PFOS)	44
Perfluorooctanic acid (PFOA)	330
Total Quantified PFAS	664.01

Sample Location	PZ-01
Screened Interval (feet bgs)	*0 - 4*
Compound	Concentration (ng/L)
Perfluorooctane sulfonic acid (PFOS)	12
Perfluorooctanic acid (PFOA)	110
Total Quantified PFAS	168.94

Sample Location	PZ-02
Screened Interval (feet bgs)	*0 - 5*
Compound	Concentration (ng/L)
Perfluorooctane sulfonic acid (PFOS)	260
Perfluorooctanic acid (PFOA)	770
Total Quantified PFAS	1370.7

New York State Department of Environmental Conservation Guidance Levels for PFAS	
Compound	Concentration (ng/L)
Perfluorooctane sulfonic acid (PFOS)	10
Perfluorooctanic acid (PFOA)	10

N

Notes:
1. Exceedances of the Guidance Levels for PFAS are highlighted in red.
2. PFAS - per- and polyfluoroalkyl substances
3. ng/L - nanogram per liter
4. bgs - below ground surface
5. Total Quantified PFAS results are the summation of the concentrations of PFAS analytes reported by the analytical method used for each media.

1 inch = 250 feet

0 125 250 500 Feet

Figure 4-2b
Groundwater Sample Results - Select PFAS
Former Columbia Corporation
Hoosick, NY

CDM Smith

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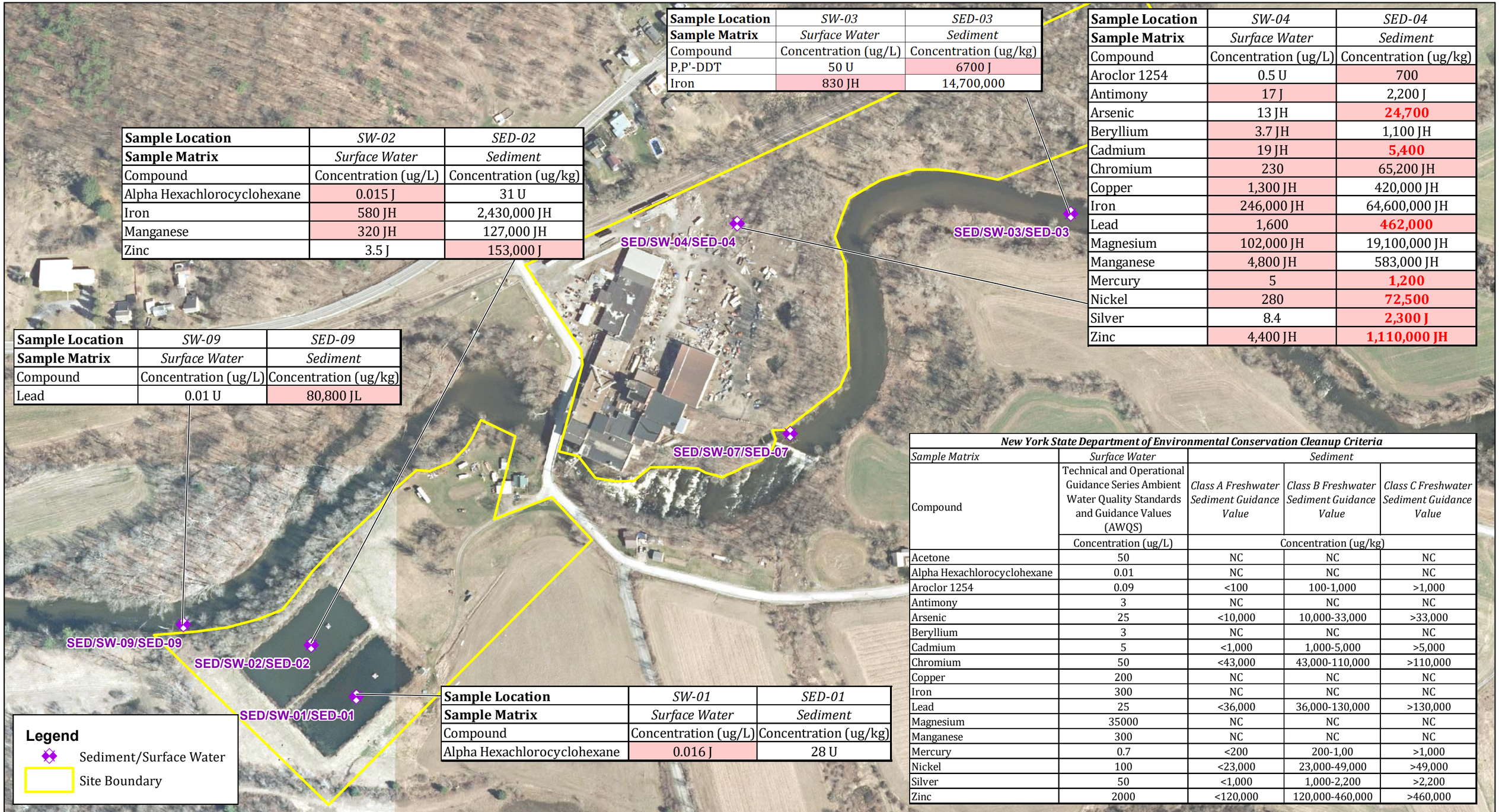

Sample Location	SW-03	SED-03
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ug/L)	Concentration (ug/kg)
P,P'-DDT	50 U	6700 J
Iron	830 JH	14,700,000

Sample Location	SW-04	SED-04
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ug/L)	Concentration (ug/kg)
Aroclor 1254	0.5 U	700
Antimony	17 J	2,200 J
Arsenic	13 JH	**24,700**
Beryllium	3.7 JH	1,100 JH
Cadmium	19 JH	**5,400**
Chromium	230	65,200 JH
Copper	1,300 JH	420,000 JH
Iron	246,000 JH	64,600,000 JH
Lead	1,600	**462,000**
Magnesium	102,000 JH	19,100,000 JH
Manganese	4,800 JH	583,000 JH
Mercury	5	**1,200**
Nickel	280	**72,500**
Silver	8.4	**2,300 J**
Zinc	4,400 JH	**1,110,000 JH**

Sample Location	SW-02	SED-02
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ug/L)	Concentration (ug/kg)
Alpha Hexachlorocyclohexane	0.015 J	31 U
Iron	580 JH	2,430,000 JH
Manganese	320 JH	127,000 JH
Zinc	3.5 J	153,000 J

Sample Location	SW-09	SED-09
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ug/L)	Concentration (ug/kg)
Lead	0.01 U	80,800 JL

Sample Location	SW-01	SED-01
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ug/L)	Concentration (ug/kg)
Alpha Hexachlorocyclohexane	0.016 J	28 U

New York State Department of Environmental Conservation Cleanup Criteria				
Sample Matrix	*Surface Water*	*Sediment*		
Compound	Technical and Operational Guidance Series Ambient Water Quality Standards and Guidance Values (AWQS)	*Class A Freshwater Sediment Guidance Value*	*Class B Freshwater Sediment Guidance Value*	*Class C Freshwater Sediment Guidance Value*
	Concentration (ug/L)	Concentration (ug/kg)		
Acetone	50	NC	NC	NC
Alpha Hexachlorocyclohexane	0.01	NC	NC	NC
Aroclor 1254	0.09	<100	100-1,000	>1,000
Antimony	3	NC	NC	NC
Arsenic	25	<10,000	10,000-33,000	>33,000
Beryllium	3	NC	NC	NC
Cadmium	5	<1,000	1,000-5,000	>5,000
Chromium	50	<43,000	43,000-110,000	>110,000
Copper	200	NC	NC	NC
Iron	300	NC	NC	NC
Lead	25	<36,000	36,000-130,000	>130,000
Magnesium	35000	NC	NC	NC
Manganese	300	NC	NC	NC
Mercury	0.7	<200	200-1,00	>1,000
Nickel	100	<23,000	23,000-49,000	>49,000
Silver	50	<1,000	1,000-2,200	>2,200
Zinc	2000	<120,000	120,000-460,000	>460,000

N

Notes:
1. Exceedances of NYSDEC AWQS are highlighted in red.
2. The NYSDEC Freshwater Sediment Class A, B, and C guidance values have been compared to sediment results. Exceedances of the Class B guidance values are highlighted in red. Exceedances of the Class C guidance values are bolded in red.
3. SW-07 and SED-07 did not have contaminant concentrations detected above relevant standards and reference values.
4. AWQS - Ambient Water Quality Standards
5. bgs - below ground surface
6. ug/L - microgram per liter
7. ug/kg - microgram per kilogram
8. NC - no criteria listed
9. J - estimated
11. JL - estimated, biased low
12. JH - estimated, biased high
13. U - Undetected

1 inch = 250 feet

0 125 250 500 *Feet*

Figure 4-3a
Surface Water and Sediment Sample Results - Select Organics and Inorganics
Former Columbia Corporation
Hoosick, NY

CDM Smith

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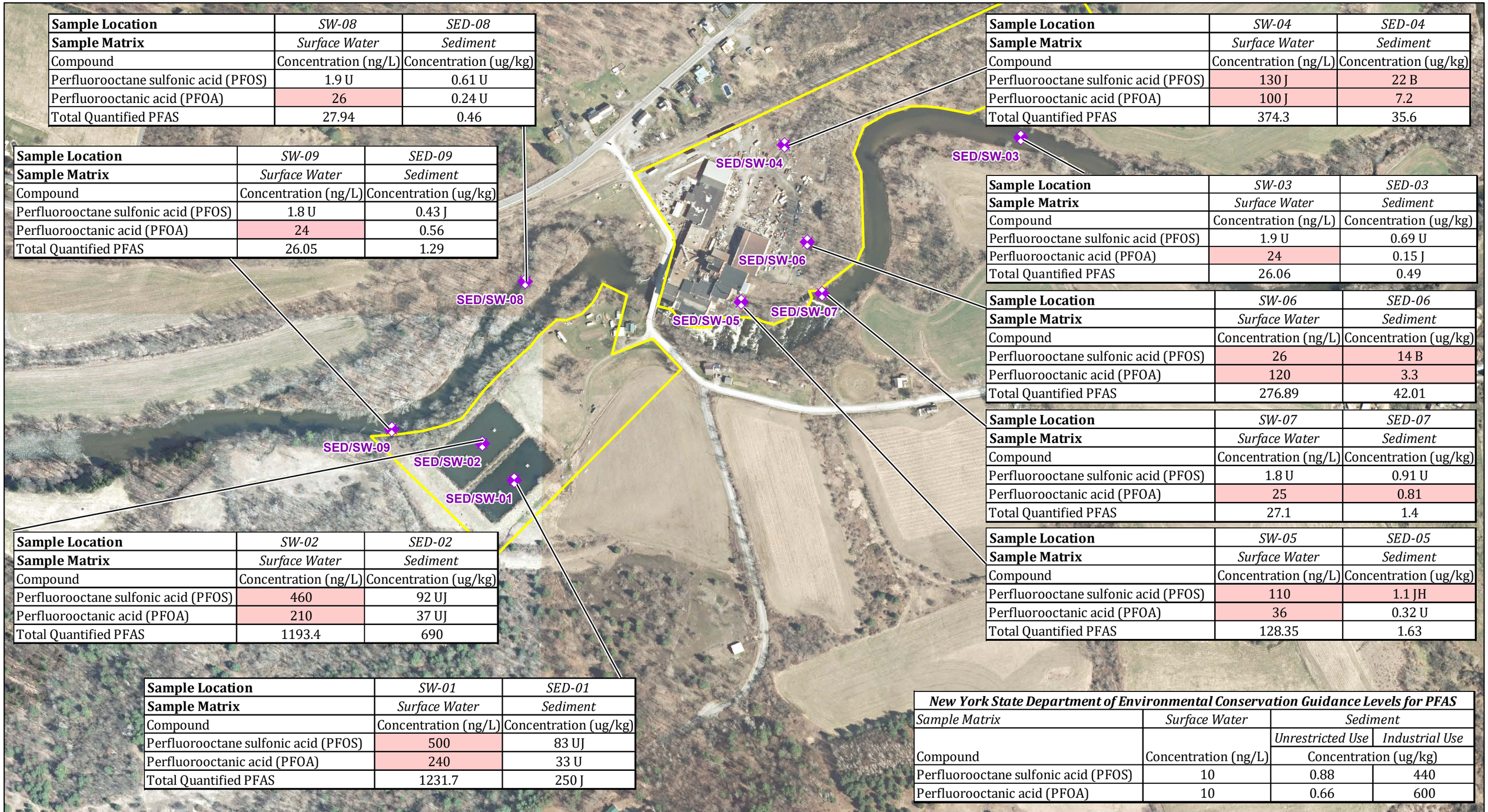

Sample Location	SW-08	SED-08
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ng/L)	Concentration (ug/kg)
Perfluorooctane sulfonic acid (PFOS)	1.9 U	0.61 U
Perfluorooctanic acid (PFOA)	26	0.24 U
Total Quantified PFAS	27.94	0.46

Sample Location	SW-09	SED-09
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ng/L)	Concentration (ug/kg)
Perfluorooctane sulfonic acid (PFOS)	1.8 U	0.43 J
Perfluorooctanic acid (PFOA)	24	0.56
Total Quantified PFAS	26.05	1.29

Sample Location	SW-02	SED-02
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ng/L)	Concentration (ug/kg)
Perfluorooctane sulfonic acid (PFOS)	460	92 UJ
Perfluorooctanic acid (PFOA)	210	37 UJ
Total Quantified PFAS	1193.4	690

Sample Location	SW-01	SED-01
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ng/L)	Concentration (ug/kg)
Perfluorooctane sulfonic acid (PFOS)	500	83 UJ
Perfluorooctanic acid (PFOA)	240	33 U
Total Quantified PFAS	1231.7	250 J

Sample Location	SW-04	SED-04
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ng/L)	Concentration (ug/kg)
Perfluorooctane sulfonic acid (PFOS)	130 J	22 B
Perfluorooctanic acid (PFOA)	100 J	7.2
Total Quantified PFAS	374.3	35.6

Sample Location	SW-03	SED-03
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ng/L)	Concentration (ug/kg)
Perfluorooctane sulfonic acid (PFOS)	1.9 U	0.69 U
Perfluorooctanic acid (PFOA)	24	0.15 J
Total Quantified PFAS	26.06	0.49

Sample Location	SW-06	SED-06
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ng/L)	Concentration (ug/kg)
Perfluorooctane sulfonic acid (PFOS)	26	14 B
Perfluorooctanic acid (PFOA)	120	3.3
Total Quantified PFAS	276.89	42.01

Sample Location	SW-07	SED-07
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ng/L)	Concentration (ug/kg)
Perfluorooctane sulfonic acid (PFOS)	1.8 U	0.91 U
Perfluorooctanic acid (PFOA)	25	0.81
Total Quantified PFAS	27.1	1.4

Sample Location	SW-05	SED-05
Sample Matrix	*Surface Water*	*Sediment*
Compound	Concentration (ng/L)	Concentration (ug/kg)
Perfluorooctane sulfonic acid (PFOS)	110	1.1 JH
Perfluorooctanic acid (PFOA)	36	0.32 U
Total Quantified PFAS	128.35	1.63

New York State Department of Environmental Conservation Guidance Levels for PFAS

Sample Matrix	*Surface Water*	*Sediment*	
		Unrestricted Use	*Industrial Use*
Compound	Concentration (ng/L)	Concentration (ug/kg)	
Perfluorooctane sulfonic acid (PFOS)	10	0.88	440
Perfluorooctanic acid (PFOA)	10	0.66	600

N

Notes:
1. Exceedances of the Guidance Levels for PFAS are highlighted in red.
2. PFAS - per- and polyfluoroalkyl substances
3. ng/L - nanogram per liter
4. ug/kg - microgram per kilogram
5. B- compound found in the blank and sample
6. J - estimated
7. JH - estimated biased high
8. U - undetected
9. UJ - estimated, undetected
10. NC - no criteria listed
11. Total Quantified PFAS results are the summation of the concentrations of PFAS analytes reported by the analytical method used for each media.

1 inch = 350 feet

0 175 350 700 Feet

Figure 4-3b
Surface Water and Sediment Sample Results - Select PFAS
Former Columbia Corporation
Hoosick, NY

CDM Smith

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Tables

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Table 2-1
Sample Summary
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

Sample Location	Sample ID	Sample Date	Sample Time	Sample Depth (feet bgs)	Laboratory Analyses Collected	PID Reading (ppm)	QA/QC
Sediment Samples							
SED-01	442005-SED-01-012721	1/27/2021	10:00:00	0	PCBs, Pesticides, TCL SVOCs, TAL Metals and Mercury, TCL VOCs, 1,4-Dioxane, Cyanide, PFAS	NA	
SED-02	442005-SED-02-012721	1/27/2021	9:40:00	0		NA	
SED-03	442005-SED-03-011321	1/13/2021	12:30:00	0	Cyanide, TAL Metals and Mercury, Pesticides, PCBs, TCL SVOCs, TCL VOCs, PFAS	NA	
SED-03	442005-SED-903-011321	1/13/2021	0:00:00	0		NA	Duplicate of 442005-SED-03-011321
SED-04	442005-SED-04-011321	1/13/2021	12:10:00	0		NA	
SED-05	442005-SED-05-012321	1/13/2021	11:00:00	0	PFAS	NA	
SED-06	442005-SED-06-012321	1/13/2021	11:40:00	0		NA	
SED-07	442005-SED-07-011321	1/13/2021	11:20:00	0	Cyanide, TAL Metals and Mercury, Pesticides, PCBs, TCL SVOCs, TCL VOCs, PFAS	NA	
SED-08	442005-SED-08-012321	1/13/2021	10:40:00	0	PFAS	NA	
SED-09	442005-SED-09-011321	1/13/2021	9:30:00	0	Cyanide, TAL Metals and Mercury, Pesticides, PCBs, TCL SVOCs, TCL VOCs, PFAS	NA	MS/MSD
Soil Samples							
PZ-01	442005-PZ-01-0-2-010721	1/7/2021	9:35:00	0 – 0.17	Cyanide, TAL Metals and Mercury, Pesticides, PCBs, TCL SVOCs, TCL VOCs, PFAS	0.0	
PZ-01	442005-PZ-01-3-4-010721	1/7/2021	10:05:00	3 – 4		0.0	
PZ-02	442005-PZ-02-0-2-010721	1/7/2021	10:25:00	0 – 0.17		0.0	
PZ-02	442005-PZ-02-3-4-010721	1/7/2021	10:55:00	3 – 4		0.0	
SB-03	442005-SB-03-0-2-010821	1/8/2021	9:20:00	0 – 0.17		0.0	
SB-04	442005-SB-04-0-2-011221	1/12/2021	10:05:00	0 – 0.17		0.0	
SB-04	442005-SB-04-10-11-011221	1/12/2021	10:15:00	10 – 11		0.0	
SB-05	442005-SB-05-0-2-010521	1/5/2021	10:00:00	0 – 0.17		0.0	
SB-05	442005-SB-05-24-26-010521	1/5/2021	11:15:00	24 – 26		0.0	
SB-06	442005-SB-06-0-2-011121	1/11/2021	14:20:00	0 – 0.17		0.0	
SB-06	442005-SB-06-6.5-7.5-011221	1/12/2021	9:15:00	6.5 – 7.5		2.4	
SB-07	442005-SB-07-0-2-010621	1/6/2021	13:55:00	0 – 0.17		0.0	
SB-07	442005-SB-07-11-13-010621	1/6/2021	14:05:00	11 –13		0.0	
PZ-01	442005-PZ-01-2-12-010721	1/7/2021	9:55:00	0.17 – 1	Cyanide, TAL Metals and Mercury, Pesticides, PCBs, TCL SVOCs, TCL VOCs, TOC, pH, PFAS, SPLP PFAS	0.0	
PZ-02	442005-PZ-02-2-12-010721	1/7/2021	10:30:00	0.17 – 1		0.0	
SB-03	442005-SB-03-2-12-010821	1/8/2021	9:30:00	0.17 – 1		0.0	
SB-04	442005-SB-04-2-12-011221	1/12/2021	10:10:00	0.17 – 1		0.0	
SB-05	442005-SB-05-2-12-010521	1/5/2021	10:20:00	0.17 – 1		0.0	MS/MSD
SB-06	442005-SB-06-2-12-011121	1/11/2021	14:35:00	0.17 – 1		0.0	
SB-06	442005-SB-906-2-12-011121	1/11/2021	14:45:00	0.17 – 1		0.0	Duplicate of 442005-SB-06-2-12-011121
SB-07	442005-SB-07-2-12-010621	1/6/2021	14:00:00	0.17 – 1		0.0	
Groundwater Samples							
MW-01	442005-MW-01-012721	1/27/2021	15:05:00	Unknown	PCBs, Pesticides, TCL SVOCs, TAL Metals and Mercury, TCL VOCs, 1,4-Dioxane, Cyanide, PFAS	NA	
MW-02	442005-MW-02-012721	1/27/2021	14:45:00	Unknown		NA	
MW-03	442005-MW-03-012721	1/27/2021	11:35:00	10 – 20		NA	
MW-03	442005-MW-903-012721	1/27/2021	0:00:00	10 – 20		NA	Duplicate of 442005-MW-03-012721
MW-04	442005-MW-04-012721	1/27/2021	13:20:00	5 – 15		NA	
MW-05	442005-MW-05-012621	1/26/2021	9:40:00	17.5 – 27.5		NA	
MW-07	442005-MW-07-012621	1/26/2021	14:20:00	5 – 15		NA	MS/MSD
PZ-01	442005-PZ-01-012621	1/26/2021	12:45:00	0 - 4		NA	
PZ-02	442005-PZ-02-012621	1/26/2021	12:50:00	0 - 5		NA	
Surface Water Samples							
SW-01	442005-SW-01-012621	1/26/2021	9:50:00	0	PCBs, Pesticides, TCL SVOCs, TAL Metals and Mercury, TCL VOCs, 1,4-Dioxane, Cyanide, PFAS	NA	
SW-02	442005-SW-02-012621	1/26/2021	9:30:00	0		NA	
SW-03	442005-SW-03-011321	1/13/2021	12:30:00	0		NA	
SW-03	442005-SW-903-011321	1/13/2021	0:00:00	0		NA	Duplicate of 442005-SW-03-011321
SW-04	442005-SW-04-011321	1/13/2021	12:10:00	0		NA	
SW-05	442005-SW-05-012321	1/13/2021	11:00:00	0	PFAS	NA	
SW-06	442005-SW-06-012321	1/13/2021	11:40:00	0		NA	
SW-07	442005-SW-07-011321	1/13/2021	11:20:00	0	PCBs, Pesticides, TCL SVOCs, TAL Metals and Mercury, TCL VOCs, 1,4-Dioxane, Cyanide, PFAS	NA	
SW-08	442005-SW-08-012321	1/13/2021	10:40:00	0	PFAS	NA	
SW-09	442005-SW-09-011321	1/13/2021	9:30:00	0	PCBs, Pesticides, TCL SVOCs, TAL Metals and Mercury, TCL VOCs, 1,4-Dioxane, Cyanide, PFAS	NA	MS/MSD
Quality Control Samples							
Equipment Blank	EB-01-010521	1/5/2021	13:30:00	NA	PCBs, Pesticides, TCL SVOCs, TAL Metals and Mercury, TCL VOCs, 1,4-Dioxane, Cyanide, PFAS	NA	EB
Equipment Blank	EB-02-010621	1/6/2021	15:10:00	NA		NA	EB
Equipment Blank	EB-03-010721	1/7/2021	14:30:00	NA		NA	EB
Equipment Blank	EB-04-010821	1/8/2021	10:30:00	NA		NA	EB
Equipment Blank	EB-05-011121	1/11/2021	10:30:00	NA		NA	EB
Decontamination Water	DECON-1-011221	1/12/2021	14:30:00	NA		NA	RB
Equipment Blank	EB-06-011221	1/12/2021	15:00:00	NA		NA	EB
Equipment Blank	EB-07-011321	1/13/2021	9:00:00	NA		NA	EB
Equipment Blank	442005-EB-012621	1/26/2021	15:00:00	NA		NA	EB
Equipment Blank	442005-EB-012721	1/27/2021	15:00:00	NA		NA	EB
Trip Blank	TB-01-010521	1/5/2021	0:00:00	NA	TCL VOCs	NA	TB
Trip Blank	TB-02-010621	1/6/2021	0:00:00	NA		NA	TB
Trip Blank	TB-03-010721	1/7/2021	0:00:00	NA		NA	TB
Trip Blank	TB-04-010821	1/8/2021	0:00:00	NA		NA	TB
Trip Blank	TB-05-011121	1/11/2021	0:00:00	NA		NA	TB
Trip Blank	TB-06-011321	1/13/2021	0:00:00	NA		NA	TB
Trip Blank	TB-012621	1/26/2021	8:00:00	NA		NA	TB

Acronyms:

bgs - below ground surface
EB - equipment blank
ID - identification
MS/MSD - matrix spike/matrix spike duplicate
NA - not applicable
PCB - polychlorinated biphenyl
PFAS - per- and polyfluoroalkyl substances
PID - photoionization detector
ppm - parts per million
QA/QC - quality assurance/quality control
RB - rinsate blank
TAL - target analyte list
TB - trip blank
TCL - target compound list
SPLP - synthetic precipitation leaching procedure
SVOC - semivolatile organic compound
VOC - volatile organic compound

Table 2-2
Well Construction Summary and Groundwater Elevations
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

Monitoring Well	Latitude	Longitude	Northing (feet)	Easting (feet)	Screen Depth (feet bgs)	Ground Elevation (feet amsl)	Top of Inner Casing Elevation (feet amsl)	Date of Depth to Water Measurement	Depth to Water (feet TIC)	Depth to Bottom (feet TIC)	Groundwater Elevation (feet amsl)
MW-01	42.9257942	-73.3177394	1493131.104	808756.45	unknown	472.22	474.28	1/26/2020	12.2	37.91	462.08
MW-02	42.9254126	-73.3174512	1492993.118	808835.59	unknown	468.29	469.23	1/26/2020	7.69	14.88	461.54
MW-03	42.9259184	-73.3171265	1493178.675	808919.96	10 - 20	492.52	495.37	1/26/2020	14.83	22.3	480.54
MW-04	42.9257414	-73.3179161	1493111.197	808709.397	5 - 15	470.96	473.65	1/26/2020	11.71	17.6	461.94
MW-05	42.9218915	-73.3250625	1491681.319	806815.033	17.5 - 27.5	476.34	478.64	1/26/2020	16.27	29.9	462.37
MW-07	42.9249441	-73.3206445	1492810.37	807982.746	5 - 15	471	473.58	1/26/2020	13.07	17.2	460.51
PZ-01	42.9248442	-73.3196267	1492777.786	808255.849	0 - 4	461.63	464.76	1/26/2020	5.85	7.3	458.91
PZ-02	42.9248186	-73.3197315	1492768.063	808227.912	0 - 5	461.78	463.19	1/26/2020	4.2	7.1	458.99

Acronyms:
amsl - above mean sea level
bgs - below ground surface
TIC - top of inner casing

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	PZ-01		PZ-01	PZ-01	PZ-01		PZ-02		PZ-02		PZ-02	
					Sample ID	442005-PZ-01-0-2-010721		442005-PZ-01-2-12-010721		442005-PZ-01-3-4-010721		442005-PZ-02-0-2-010721		442005-PZ-02-2-12-010721		442005-PZ-02-3-4-010721	
					Sample Date	1/7/2021		1/7/2021	1/7/2021	1/7/2021		1/7/2021		1/7/2021		1/7/2021	
					Sample Type	N		N		N		N		N		N	
					Parent Sample Code												
					Sample Depth	0-0.17 ft		0.17-1 ft		3-4 ft		0-0.17 ft		0.17-1 ft		3-4 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q
1,1,1-Trichloroethane	71-55-6	ug/kg	680	1000000	680	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	NC	NC	600	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/kg	NC	NC	6000	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
1,1,2-Trichloroethane	79-00-5	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
1,1-Dichloroethane	75-34-3	ug/kg	270	480000	270	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
1,1-Dichloroethene	75-35-4	ug/kg	330	1000000	330	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
1,2,4-Trichlorobenzene	120-82-1	ug/kg	NC	NC	340	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UJ
1,2-Dibromo-3-Chloropropane	96-12-8	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
1,2-Dichlorobenzene	95-50-1	ug/kg	1100	1000000	1100	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UJ
1,2-Dichloroethane	107-06-2	ug/kg	20	60000	20	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
1,2-Dichloropropane	78-87-5	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
1,3-Dichlorobenzene	541-73-1	ug/kg	2400	560000	2400	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UJ
1,4-Dichlorobenzene	106-46-7	ug/kg	1800	250000	1800	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UJ
2-Hexanone	591-78-6	ug/kg	NC	NC	NC	48	U	40	U	35	U	43	U	39	U	39	U
Acetone	67-64-1	ug/kg	50	1000000	50	48	U	40	U	35	U	43	U	39	U	39	UJ
Benzene	71-43-2	ug/kg	60	89000	60	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
Bromodichloromethane	75-27-4	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
Bromoform	75-25-2	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
Bromomethane	74-83-9	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
Carbon Disulfide	75-15-0	ug/kg	NC	NC	2700	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UJ
Carbon Tetrachloride	56-23-5	ug/kg	760	44000	760	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
Chlorobenzene	108-90-7	ug/kg	1100	1000000	1100	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
Chloroethane	75-00-3	ug/kg	NC	NC	1900	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
Chloroform	67-66-3	ug/kg	370	700000	370	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
Chloromethane	74-87-3	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
Cis-1,2-Dichloroethylene	156-59-2	ug/kg	250	1000000	250	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UJ
Cis-1,3-Dichloropropene	10061-01-5	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UJ
Cyclohexane	110-82-7	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
Dibromochloromethane	124-48-1	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
Dichlorodifluoromethane	75-71-8	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
Ethylbenzene	100-41-4	ug/kg	1000	780000	1000	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
Isopropylbenzene (Cumene)	98-82-8	ug/kg	NC	NC	2300	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
Methyl Acetate	79-20-9	ug/kg	NC	NC	NC	48	U	40	U	35	U	43	U	39	U	39	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/kg	120	1000000	120	48	U	40	U	**6.7**	**JL**	43	U	39	U	39	UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/kg	NC	NC	1000	48	U	40	U	35	U	43	U	39	U	39	U
Methylcyclohexane	108-87-2	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
Methylene Chloride	75-09-2	ug/kg	50	1000000	50	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
Styrene	100-42-5	ug/kg	NC	NC	NC	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UJ
Tert-Butyl Methyl Ether	1634-04-4	ug/kg	930	1000000	930	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
Tetrachloroethylene (PCE)	127-18-4	ug/kg	1300	300000	1300	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
Toluene	108-88-3	ug/kg	700	1000000	700	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
Trans-1,2-Dichloroethene	156-60-5	ug/kg	190	1000000	190	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UJ
Trans-1,3-Dichloropropene	10061-02-6	ug/kg	NC	NC	0	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
Trichloroethylene (TCE)	79-01-6	ug/kg	470	400000	0	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	UT
Trichlorofluoromethane	75-69-4	ug/kg	NC	NC	0	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
Vinyl Chloride	75-01-4	ug/kg	20	27000	0	9.6	U	8	U	6.9	U	8.6	U	7.8	U	7.8	U
Xylenes	1330-20-7	ug/kg	260	1000000	0	19	U	16	U	14	U	17	U	16	U	16	UT

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, NYSDEC, Effective December 14, 2006.
2 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Industrial Use and Protection of Groundwater, NYSDEC, Effective December 14, 2006.
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December 14, 2006.

	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
ug/kg - microgram per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
JL - estimated biased low	UJ - estimated, undetected
N - normal sample	UT - matrix spike and/or matrix spike duplicate recovery exceed control limits, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-03		SB-03		SB-04		SB-04		SB-04		SB-05	
					Sample ID	442005-SB-03-0-2-010821		442005-SB-03-2-12-010821		442005-SB-04-0-2-011221		442005-SB-04-10-11-011221		442005-SB-04-2-12-011221		442005-SB-05-0-2-010521	
					Sample Date	1/8/2021		1/8/2021		1/12/2021		1/12/2021		1/12/2021		1/5/2021	
					Sample Type	N		N		N		N		N		N	
					Parent Sample Code												
					Sample Depth	0-0.17 ft		0.17-1 ft		0-0.17 ft		10-11 ft		0.17-1 ft		0-0.17 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,1,1-Trichloroethane	71-55-6	ug/kg	680	1000000	680	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	NC	NC	600	5.6	U	6.2	U	6.6	U	6	UT	6.7	U	6.8	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/kg	NC	NC	6000	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
1,1,2-Trichloroethane	79-00-5	ug/kg	NC	NC	NC	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
1,1-Dichloroethane	75-34-3	ug/kg	270	480000	270	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
1,1-Dichloroethene	75-35-4	ug/kg	330	1000000	330	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
1,2,4-Trichlorobenzene	120-82-1	ug/kg	NC	NC	340	5.6	U	6.2	U	6.6	U	6	UJ	6.7	U	6.8	U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/kg	NC	NC	NC	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/kg	NC	NC	NC	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
1,2-Dichlorobenzene	95-50-1	ug/kg	1100	1000000	1100	5.6	U	6.2	U	6.6	U	6	UT	6.7	U	6.8	U
1,2-Dichloroethane	107-06-2	ug/kg	20	60000	20	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
1,2-Dichloropropane	78-87-5	ug/kg	NC	NC	NC	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
1,3-Dichlorobenzene	541-73-1	ug/kg	2400	560000	2400	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
1,4-Dichlorobenzene	106-46-7	ug/kg	1800	250000	1800	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
2-Hexanone	591-78-6	ug/kg	NC	NC	NC	28	U	31	U	33	U	30	U	34	U	34	U
Acetone	67-64-1	ug/kg	50	1000000	50	28	U	31	U	33	U	30	UJ	34	U	34	U
Benzene	71-43-2	ug/kg	60	89000	60	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Bromodichloromethane	75-27-4	ug/kg	NC	NC	NC	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Bromoform	75-25-2	ug/kg	NC	NC	NC	5.6	UJ	6.2	UJ	6.6	U	6	U	6.7	U	6.8	U
Bromomethane	74-83-9	ug/kg	NC	NC	NC	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Carbon Disulfide	75-15-0	ug/kg	NC	NC	2700	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Carbon Tetrachloride	56-23-5	ug/kg	760	44000	760	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Chlorobenzene	108-90-7	ug/kg	1100	1000000	1100	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Chloroethane	75-00-3	ug/kg	NC	NC	1900	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Chloroform	67-66-3	ug/kg	370	700000	370	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Chloromethane	74-87-3	ug/kg	NC	NC	NC	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Cis-1,2-Dichloroethylene	156-59-2	ug/kg	250	1000000	250	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Cis-1,3-Dichloropropene	10061-01-5	ug/kg	NC	NC	NC	5.6	UT	6.2	UT	6.6	U	6	U	6.7	U	6.8	U
Cyclohexane	110-82-7	ug/kg	NC	NC	NC	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Dibromochloromethane	124-48-1	ug/kg	NC	NC	NC	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Dichlorodifluoromethane	75-71-8	ug/kg	NC	NC	NC	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Ethylbenzene	100-41-4	ug/kg	1000	780000	1000	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Isopropylbenzene (Cumene)	98-82-8	ug/kg	NC	NC	2300	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Methyl Acetate	79-20-9	ug/kg	NC	NC	NC	28	U	31	U	33	U	30	U	34	U	34	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/kg	120	1000000	120	28	U	31	U	33	U	30	UT	34	U	34	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/kg	NC	NC	1000	28	U	31	U	33	U	30	U	34	U	34	U
Methylcyclohexane	108-87-2	ug/kg	NC	NC	NC	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Methylene Chloride	75-09-2	ug/kg	50	1000000	50	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Styrene	100-42-5	ug/kg	NC	NC	NC	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Tert-Butyl Methyl Ether	1634-04-4	ug/kg	930	1000000	930	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Tetrachloroethylene (PCE)	127-18-4	ug/kg	1300	300000	1300	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Toluene	108-88-3	ug/kg	700	1000000	700	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Trans-1,2-Dichloroethene	156-60-5	ug/kg	190	1000000	190	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Trans-1,3-Dichloropropene	10061-02-6	ug/kg	NC	NC	0	5.6	UJ	6.2	UJ	6.6	U	6	U	6.7	U	6.8	U
Trichloroethylene (TCE)	79-01-6	ug/kg	470	400000	0	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Trichlorofluoromethane	75-69-4	ug/kg	NC	NC	0	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Vinyl Chloride	75-01-4	ug/kg	20	27000	0	5.6	U	6.2	U	6.6	U	6	U	6.7	U	6.8	U
Xylenes	1330-20-7	ug/kg	260	1000000	0	11	U	12	U	13	U	12	U	13	U	14	U

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, NYSDEC, Effective December 14, 2006.
2 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Industrial Use and Protection of Groundwater, NYSDEC, Effective December 14, 2006.
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December 14, 2006.

	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
ug/kg - microgram per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
JL - estimated biased low	UJ - estimated, undetected
N - normal sample	UT - matrix spike and/or matrix spike duplicate recovery exceed control limits, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-05		SB-05		SB-06		SB-06		SB-06		SB-06	
					Sample ID	442005-SB-05-2-12-010521		442005-SB-05-24-26-010521		442005-SB-06-0-2-011121		442005-SB-06-2-12-011121		442005-SB-06-6.5-7.5-011221		442005-SB-906-2-12-011121	
					Sample Date	1/5/2021		1/5/2021		1/11/2021		1/11/2021		1/12/2021		1/11/2021	
					Sample Type	N		N		N		N		N		FD	
					Parent Sample Code											442005-SB-06-2-12-011121	
					Sample Depth	0.17-1 ft		24-26 ft		0-0.17 ft		0.17-1 ft		6.5-7.5 ft		0.17-1 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,1,1-Trichloroethane	71-55-6	ug/kg	680	1000000	680	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	NC	NC	600	6.5	UJ	5.6	U	5.7	U	5.4	U	34	U	28	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/kg	NC	NC	6000	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
1,1,2-Trichloroethane	79-00-5	ug/kg	NC	NC	NC	6.5	UJ	5.6	U	5.7	U	5.4	U	34	U	28	U
1,1-Dichloroethane	75-34-3	ug/kg	270	480000	270	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
1,1-Dichloroethene	75-35-4	ug/kg	330	1000000	330	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
1,2,4-Trichlorobenzene	120-82-1	ug/kg	NC	NC	340	6.5	UJ	5.6	U	5.7	U	5.4	U	34	U	28	U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/kg	NC	NC	NC	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/kg	NC	NC	NC	6.5	UJ	5.6	U	5.7	U	5.4	U	34	U	28	U
1,2-Dichlorobenzene	95-50-1	ug/kg	1100	1000000	1100	6.5	UJ	5.6	U	5.7	U	5.4	U	34	U	28	U
1,2-Dichloroethane	107-06-2	ug/kg	20	60000	20	6.5	UJ	5.6	U	5.7	U	5.4	U	34	U	28	U
1,2-Dichloropropane	78-87-5	ug/kg	NC	NC	NC	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
1,3-Dichlorobenzene	541-73-1	ug/kg	2400	560000	2400	6.5	UT	5.6	U	5.7	U	5.4	U	34	U	28	U
1,4-Dichlorobenzene	106-46-7	ug/kg	1800	250000	1800	6.5	UT	5.6	U	5.7	U	5.4	U	34	U	28	U
2-Hexanone	591-78-6	ug/kg	NC	NC	NC	33	U	28	U	29	U	27	U	170	U	140	U
Acetone	67-64-1	ug/kg	50	1000000	50	33	UJ	28	U	29	U	27	U	170	U	140	U
Benzene	71-43-2	ug/kg	60	89000	60	6.5	UT	5.6	U	5.7	U	5.4	U	34	U	28	U
Bromodichloromethane	75-27-4	ug/kg	NC	NC	NC	6.5	UT	5.6	U	5.7	U	5.4	U	34	U	28	U
Bromoform	75-25-2	ug/kg	NC	NC	NC	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Bromomethane	74-83-9	ug/kg	NC	NC	NC	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Carbon Disulfide	75-15-0	ug/kg	NC	NC	2700	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Carbon Tetrachloride	56-23-5	ug/kg	760	44000	760	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Chlorobenzene	108-90-7	ug/kg	1100	1000000	1100	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Chloroethane	75-00-3	ug/kg	NC	NC	1900	6.5	UJ	5.6	U	5.7	U	5.4	U	34	U	28	U
Chloroform	67-66-3	ug/kg	370	700000	370	6.5	UJ	5.6	U	5.7	U	5.4	U	34	U	28	U
Chloromethane	74-87-3	ug/kg	NC	NC	NC	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Cis-1,2-Dichloroethylene	156-59-2	ug/kg	250	1000000	250	6.5	UJ	5.6	U	5.7	U	5.4	U	34	U	28	U
Cis-1,3-Dichloropropene	10061-01-5	ug/kg	NC	NC	NC	6.5	UT	5.6	U	5.7	U	5.4	U	34	U	28	U
Cyclohexane	110-82-7	ug/kg	NC	NC	NC	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Dibromochloromethane	124-48-1	ug/kg	NC	NC	NC	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Dichlorodifluoromethane	75-71-8	ug/kg	NC	NC	NC	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Ethylbenzene	100-41-4	ug/kg	1000	780000	1000	6.5	UT	5.6	U	5.7	U	5.4	U	34	U	28	U
Isopropylbenzene (Cumene)	98-82-8	ug/kg	NC	NC	2300	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Methyl Acetate	79-20-9	ug/kg	NC	NC	NC	33	U	28	U	29	U	27	U	170	U	140	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/kg	120	1000000	120	33	UJ	28	U	29	U	27	U	170	U	140	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/kg	NC	NC	1000	33	UJ	28	U	29	U	27	U	170	U	140	U
Methylcyclohexane	108-87-2	ug/kg	NC	NC	NC	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Methylene Chloride	75-09-2	ug/kg	50	1000000	50	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Styrene	100-42-5	ug/kg	NC	NC	NC	6.5	UJ	5.6	U	5.7	U	5.4	U	34	U	28	U
Tert-Butyl Methyl Ether	1634-04-4	ug/kg	930	1000000	930	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Tetrachloroethylene (PCE)	127-18-4	ug/kg	1300	300000	1300	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Toluene	108-88-3	ug/kg	700	1000000	700	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Trans-1,2-Dichloroethene	156-60-5	ug/kg	190	1000000	190	6.5	UJ	5.6	U	5.7	U	5.4	U	34	U	28	U
Trans-1,3-Dichloropropene	10061-02-6	ug/kg	NC	NC	0	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Trichloroethylene (TCE)	79-01-6	ug/kg	470	400000	0	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Trichlorofluoromethane	75-69-4	ug/kg	NC	NC	0	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Vinyl Chloride	75-01-4	ug/kg	20	27000	0	6.5	U	5.6	U	5.7	U	5.4	U	34	U	28	U
Xylenes	1330-20-7	ug/kg	260	1000000	0	13	UT	11	U	11	U	11	U	69	U	56	U

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, NYSDEC, Effective December 14, 2006.
2 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Industrial Use and Protection of Groundwater, NYSDEC, Effective December 14, 2006.
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December 14, 2006.

	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
ug/kg - microgram per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
JL - estimated biased low	UJ - estimated, undetected
N - normal sample	UT - matrix spike and/or matrix spike duplicate recovery exceed control limits, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-07		SB-07		SB-07	
					Sample ID	442005-SB-07-0-2-010621		442005-SB-07-11-13-010621		442005-SB-07-2-12-010621	
					Sample Date	1/6/2021		1/6/2021		1/6/2021	
					Sample Type	N		N		N	
					Parent Sample Code						
					Sample Depth	0-0.17 ft		11-13 ft		0.17-1 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q
1,1,1-Trichloroethane	71-55-6	ug/kg	680	1000000	680	6.7	U	6.8	U	6.3	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	NC	NC	600	6.7	U	6.8	U	6.3	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/kg	NC	NC	6000	6.7	U	6.8	U	6.3	U
1,1,2-Trichloroethane	79-00-5	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
1,1-Dichloroethane	75-34-3	ug/kg	270	480000	270	6.7	U	6.8	U	6.3	U
1,1-Dichloroethene	75-35-4	ug/kg	330	1000000	330	6.7	U	6.8	U	6.3	U
1,2,4-Trichlorobenzene	120-82-1	ug/kg	NC	NC	340	6.7	U	6.8	U	6.3	U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
1,2-Dichlorobenzene	95-50-1	ug/kg	1100	1000000	1100	6.7	U	6.8	U	6.3	U
1,2-Dichloroethane	107-06-2	ug/kg	20	60000	20	6.7	U	6.8	U	6.3	U
1,2-Dichloropropane	78-87-5	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
1,3-Dichlorobenzene	541-73-1	ug/kg	2400	560000	2400	6.7	U	6.8	U	6.3	U
1,4-Dichlorobenzene	106-46-7	ug/kg	1800	250000	1800	6.7	U	6.8	U	6.3	U
2-Hexanone	591-78-6	ug/kg	NC	NC	NC	33	UT	34	UT	32	UT
Acetone	67-64-1	ug/kg	50	1000000	50	33	U	**59**		32	U
Benzene	71-43-2	ug/kg	60	89000	60	6.7	U	6.8	U	6.3	U
Bromodichloromethane	75-27-4	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
Bromoform	75-25-2	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
Bromomethane	74-83-9	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
Carbon Disulfide	75-15-0	ug/kg	NC	NC	2700	6.7	U	6.8	U	6.3	U
Carbon Tetrachloride	56-23-5	ug/kg	760	44000	760	6.7	U	6.8	U	6.3	U
Chlorobenzene	108-90-7	ug/kg	1100	1000000	1100	6.7	U	6.8	U	6.3	U
Chloroethane	75-00-3	ug/kg	NC	NC	1900	6.7	U	6.8	U	6.3	U
Chloroform	67-66-3	ug/kg	370	700000	370	6.7	U	6.8	U	6.3	U
Chloromethane	74-87-3	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
Cis-1,2-Dichloroethylene	156-59-2	ug/kg	250	1000000	250	6.7	U	6.8	U	6.3	U
Cis-1,3-Dichloropropene	10061-01-5	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
Cyclohexane	110-82-7	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
Dibromochloromethane	124-48-1	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
Dichlorodifluoromethane	75-71-8	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
Ethylbenzene	100-41-4	ug/kg	1000	780000	1000	6.7	U	6.8	U	6.3	U
Isopropylbenzene (Cumene)	98-82-8	ug/kg	NC	NC	2300	6.7	U	6.8	U	6.3	U
Methyl Acetate	79-20-9	ug/kg	NC	NC	NC	33	U	34	U	32	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/kg	120	1000000	120	33	U	**11**	**JL**	32	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/kg	NC	NC	1000	33	U	34	U	32	U
Methylcyclohexane	108-87-2	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
Methylene Chloride	75-09-2	ug/kg	50	1000000	50	6.7	U	6.8	U	6.3	U
Styrene	100-42-5	ug/kg	NC	NC	NC	6.7	U	6.8	U	6.3	U
Tert-Butyl Methyl Ether	1634-04-4	ug/kg	930	1000000	930	6.7	U	6.8	U	6.3	U
Tetrachloroethylene (PCE)	127-18-4	ug/kg	1300	300000	1300	6.7	U	6.8	U	6.3	U
Toluene	108-88-3	ug/kg	700	1000000	700	6.7	U	6.8	U	6.3	U
Trans-1,2-Dichloroethene	156-60-5	ug/kg	190	1000000	190	6.7	U	6.8	U	6.3	U
Trans-1,3-Dichloropropene	10061-02-6	ug/kg	NC	NC	0	6.7	U	6.8	U	6.3	U
Trichloroethylene (TCE)	79-01-6	ug/kg	470	400000	0	6.7	U	6.8	U	6.3	U
Trichlorofluoromethane	75-69-4	ug/kg	NC	NC	0	6.7	U	6.8	U	6.3	U
Vinyl Chloride	75-01-4	ug/kg	20	27000	0	6.7	U	6.8	U	6.3	U
Xylenes	1330-20-7	ug/kg	260	1000000	0	13	U	14	U	13	U

Notes:
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	> Unrestricted Use SCOs
Bold	Detection
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Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	PZ-01		PZ-01		PZ-01		PZ-02		PZ-02		PZ-02		SB-03	
					Sample ID	442005-PZ-01-0-2-010721		442005-PZ-01-2-12-010721		442005-PZ-01-3-4-010721		442005-PZ-02-0-2-010721		442005-PZ-02-2-12-010721		442005-PZ-02-3-4-010721		442005-SB-03-0-2-010821	
					Sample Date	1/7/2021		1/7/2021		1/7/2021		1/7/2021		1/7/2021		1/7/2021		1/8/2021	
					Sample Type	N		N		N		N		N		N		N	
					Parent Sample Code														
					Sample Depth	0-0.17 ft		0.17-1 ft		3-4 ft		0-0.17 ft		0.17-1 ft		3-4 ft		0-0.17 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,4-Dioxane (P-Dioxane)	123-91-1	ug/kg	100	250000	100	190	U	160	U	140	U	890	U	160	U	150	U	110	U
2,4,5-Trichlorophenol	95-95-4	ug/kg	NC	NC	100	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
2,4,6-Trichlorophenol	88-06-2	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
2,4-Dichlorophenol	120-83-2	ug/kg	NC	NC	400	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
2,4-Dimethylphenol	105-67-9	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
2,4-Dinitrophenol	51-28-5	ug/kg	NC	NC	200	3200	U	2600	U	2300	U	15000	U	2600	U	2600	U	1800	U
2,4-Dinitrotoluene	121-14-2	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
2,6-Dinitrotoluene	606-20-2	ug/kg	NC	NC	1000	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
2-Chloronaphthalene	91-58-7	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
2-Chlorophenol	95-57-8	ug/kg	NC	NC	NC	640	U	520	U	460	U	2900	U	520	U	510	U	370	U
2-Methylnaphthalene	91-57-6	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
2-Methylphenol (O-Cresol)	95-48-7	ug/kg	330	1000000	330	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
2-Nitroaniline	88-74-4	ug/kg	NC	NC	400	640	U	520	U	460	U	2900	U	520	U	510	U	370	U
2-Nitrophenol	88-75-5	ug/kg	NC	NC	300	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
3,3'-Dichlorobenzidine	91-94-1	ug/kg	NC	NC	NC	640	U	520	U	460	U	2900	U	520	U	510	U	370	U
3-Nitroaniline	99-09-2	ug/kg	NC	NC	400	640	U	520	U	460	U	2900	U	520	U	510	U	370	U
4,6-Dinitro-2-Methylphenol	534-52-1	ug/kg	NC	NC	NC	640	U	520	U	460	U	2900	U	520	U	510	U	370	U
4-Bromophenyl Phenyl Ether	101-55-3	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
4-Chloro-3-Methylphenol	59-50-7	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
4-Chloroaniline	106-47-8	ug/kg	NC	NC	220	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
4-Methylphenol (P-Cresol)	106-44-5	ug/kg	330	1000000	330	640	U	520	U	460	U	2900	U	520	U	510	U	370	U
4-Nitroaniline	100-01-6	ug/kg	NC	NC	NC	640	U	520	U	460	U	2900	U	520	U	510	U	370	U
4-Nitrophenol	100-02-7	ug/kg	NC	NC	100	640	U	520	U	460	U	2900	U	520	U	510	U	370	U
Acenaphthene	83-32-9	ug/kg	20000	1000000	98000	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Acenaphthylene	208-96-8	ug/kg	100000	1000000	107000	330	U	270	U	230	U	1500	U	**44**	**J**	260	U	190	U
Acetophenone	98-86-2	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Anthracene	120-12-7	ug/kg	100000	1000000	1000000	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Atrazine	1912-24-9	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Benzaldehyde	100-52-7	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Benzo(A)Anthracene	56-55-3	ug/kg	1000	11000	1000	**150**	**J**	**130**	**J**	230	U	1500	U	**150**	**J**	**40**	**J**	190	U
Benzo(A)Pyrene	50-32-8	ug/kg	1000	1100	22000	**180**	**J**	**170**	**J**	230	U	1500	U	**190**	**J**	**48**	**J**	190	U
Benzo(B)Fluoranthene	205-99-2	ug/kg	1000	11000	1700	**210**	**J**	**200**	**J**	230	U	**240**	**J**	**210**	**J**	**48**	**J**	190	U
Benzo(G,H,I)Perylene	191-24-2	ug/kg	100000	1000000	1000000	**130**	**J**	**130**	**J**	230	U	1500	U	**130**	**J**	**32**	**J**	190	U
Benzo(K)Fluoranthene	207-08-9	ug/kg	800	110000	1700	**82**	**J**	**82**	**J**	230	U	1500	U	**93**	**J**	260	U	190	U
Benzyl Butyl Phthalate	85-68-7	ug/kg	NC	NC	122000	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Biphenyl (Diphenyl)	92-52-4	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Bis(2-Chloroethoxy) Methane	111-91-1	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Bis(2-Chloroisopropyl) Ether	108-60-1	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/kg	NC	NC	435000	330	U	**99**	**J**	230	U	1500	U	**92**	**J**	260	U	190	U
Caprolactam	105-60-2	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	**150**	**J**	260	U	190	U
Carbazole	86-74-8	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Chrysene	218-01-9	ug/kg	1000	110000	1000	**170**	**J**	**160**	**J**	230	U	1500	U	**180**	**J**	260	U	190	U
Dibenz(A,H)Anthracene	53-70-3	ug/kg	330	1100	1000000	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Dibenzofuran	132-64-9	ug/kg	7000	1000000	6200	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Diethyl Phthalate	84-66-2	ug/kg	NC	NC	7100	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Dimethyl Phthalate	131-11-3	ug/kg	NC	NC	27000	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Di-N-Butyl Phthalate	84-74-2	ug/kg	NC	NC	8100	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Di-N-Octylphthalate	117-84-0	ug/kg	NC	NC	120000	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Fluoranthene	206-44-0	ug/kg	100000	1000000	1000000	**290**	**J**	**240**	**J**	230	U	**330**	**J**	**230**	**J**	**38**	**J**	190	U
Fluorene	86-73-7	ug/kg	30000	1000000	386000	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Hexachlorobenzene	118-74-1	ug/kg	330	12000	1400	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Hexachlorobutadiene	87-68-3	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Hexachlorocyclopentadiene	77-47-4	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Hexachloroethane	67-72-1	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/kg	500	11000	8200	**110**	**J**	**100**	**J**	230	U	1500	U	**120**	**J**	260	U	190	U
Isophorone	78-59-1	ug/kg	NC	NC	4400	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Naphthalene	91-20-3	ug/kg	12000	1000000	12000	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Nitrobenzene	98-95-3	ug/kg	NC	NC	170	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
N-Nitrosodi-N-Propylamine	621-64-7	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
N-Nitrosodiphenylamine	86-30-6	ug/kg	NC	NC	NC	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Pentachlorophenol	87-86-5	ug/kg	800	55000	800	640	U	520	U	460	U	2900	U	520	U	510	U	370	U
Phenanthrene	85-01-8	ug/kg	100000	1000000	1000000	**120**	**J**	**88**	**J**	230	U	1500	U	**110**	**J**	260	U	190	U
Phenol	108-95-2	ug/kg	330	1000000	330	330	U	270	U	230	U	1500	U	270	U	260	U	190	U
Pyrene	129-00-0	ug/kg	100000	1000000	1000000	**280**	**J**	**220**	**J**	230	U	**270**	**J**	**250**	**J**	**51**	**J**	190	U

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, New York State Department of Environmental Conservation, Effective December, 14, 2006.
2 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Industrial Use and Protection of Groundwater, New York State Department of Environmental Conservation, Effective December, 14, 2006.
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.

Bold	Detection
Acronyms	
ug/kg - microgram per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
N - normal sample	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
J - The analyte is an estimated quantity.	UJ - estimated, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-03		SB-04		SB-04		SB-04		SB-05		SB-05		SB-05	
					Sample ID	442005-SB-03-2-12-010821		442005-SB-04-0-2-011221		442005-SB-04-10-11-011221		442005-SB-04-2-12-011221		442005-SB-05-0-2-010521		442005-SB-05-2-12-010521		442005-SB-05-24-26-010521	
					Sample Date	1/8/2021		1/12/2021		1/12/2021		1/12/2021		1/5/2021		1/5/2021		1/5/2021	
					Sample Type	N		N		N		N		N		N		N	
					Parent Sample Code														
					Sample Depth	0.17-1 ft		0-0.17 ft		10-11 ft		0.17-1 ft		0-0.17 ft		0.17-1 ft		24-26 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,4-Dioxane (P-Dioxane)	123-91-1	ug/kg	100	250000	100	120	U	130	U	120	U	140	U	140	U	130	U	110	U
2,4,5-Trichlorophenol	95-95-4	ug/kg	NC	NC	100	210	U	220	U	200	U	230	U	240	U	220	U	190	U
2,4,6-Trichlorophenol	88-06-2	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
2,4-Dichlorophenol	120-83-2	ug/kg	NC	NC	400	210	U	220	U	200	U	230	U	240	U	220	U	190	U
2,4-Dimethylphenol	105-67-9	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
2,4-Dinitrophenol	51-28-5	ug/kg	NC	NC	200	2000	U	2200	U	2000	U	2300	U	2300	U	2200	U	1900	U
2,4-Dinitrotoluene	121-14-2	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
2,6-Dinitrotoluene	606-20-2	ug/kg	NC	NC	1000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
2-Chloronaphthalene	91-58-7	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
2-Chlorophenol	95-57-8	ug/kg	NC	NC	NC	400	U	430	U	400	U	450	U	460	U	430	U	370	U
2-Methylnaphthalene	91-57-6	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
2-Methylphenol (O-Cresol)	95-48-7	ug/kg	330	1000000	330	210	U	220	U	200	U	230	U	240	U	220	U	190	U
2-Nitroaniline	88-74-4	ug/kg	NC	NC	400	400	U	430	U	400	U	450	U	460	U	430	U	370	U
2-Nitrophenol	88-75-5	ug/kg	NC	NC	300	210	U	220	U	200	U	230	U	240	U	220	U	190	U
3,3'-Dichlorobenzidine	91-94-1	ug/kg	NC	NC	NC	400	U	430	U	400	U	450	U	460	U	430	U	370	U
3-Nitroaniline	99-09-2	ug/kg	NC	NC	400	400	U	430	U	400	U	450	U	460	U	430	U	370	U
4,6-Dinitro-2-Methylphenol	534-52-1	ug/kg	NC	NC	NC	400	U	430	U	400	U	450	U	460	U	430	U	370	U
4-Bromophenyl Phenyl Ether	101-55-3	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
4-Chloro-3-Methylphenol	59-50-7	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
4-Chloroaniline	106-47-8	ug/kg	NC	NC	220	210	U	220	U	200	U	230	U	240	U	220	U	190	U
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
4-Methylphenol (P-Cresol)	106-44-5	ug/kg	330	1000000	330	400	U	430	U	400	U	450	U	460	U	430	U	370	U
4-Nitroaniline	100-01-6	ug/kg	NC	NC	NC	400	U	430	U	400	U	450	U	460	U	430	U	370	U
4-Nitrophenol	100-02-7	ug/kg	NC	NC	100	400	U	430	U	400	U	450	U	460	U	430	U	370	U
Acenaphthene	83-32-9	ug/kg	20000	1000000	98000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Acenaphthylene	208-96-8	ug/kg	100000	1000000	107000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Acetophenone	98-86-2	ug/kg	NC	NC	NC	210	U	**32**	**J**	200	U	230	U	240	U	220	U	190	U
Anthracene	120-12-7	ug/kg	100000	1000000	1000000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Atrazine	1912-24-9	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Benzaldehyde	100-52-7	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Benzo(A)Anthracene	56-55-3	ug/kg	1000	11000	1000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Benzo(A)Pyrene	50-32-8	ug/kg	1000	1100	22000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Benzo(B)Fluoranthene	205-99-2	ug/kg	1000	11000	1700	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Benzo(G,H,I)Perylene	191-24-2	ug/kg	100000	1000000	1000000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Benzo(K)Fluoranthene	207-08-9	ug/kg	800	110000	1700	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Benzyl Butyl Phthalate	85-68-7	ug/kg	NC	NC	122000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Biphenyl (Diphenyl)	92-52-4	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Bis(2-Chloroethoxy) Methane	111-91-1	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Bis(2-Chloroisopropyl) Ether	108-60-1	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/kg	NC	NC	435000	210	U	220	U	**20000**		230	U	240	U	220	U	190	U
Caprolactam	105-60-2	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Carbazole	86-74-8	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Chrysene	218-01-9	ug/kg	1000	110000	1000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Dibenz(A,H)Anthracene	53-70-3	ug/kg	330	1100	1000000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Dibenzofuran	132-64-9	ug/kg	7000	1000000	6200	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Diethyl Phthalate	84-66-2	ug/kg	NC	NC	7100	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Dimethyl Phthalate	131-11-3	ug/kg	NC	NC	27000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Di-N-Butyl Phthalate	84-74-2	ug/kg	NC	NC	8100	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Di-N-Octylphthalate	117-84-0	ug/kg	NC	NC	120000	210	U	220	U	**83**	**J**	230	U	240	U	220	U	190	U
Fluoranthene	206-44-0	ug/kg	100000	1000000	1000000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Fluorene	86-73-7	ug/kg	30000	1000000	386000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Hexachlorobenzene	118-74-1	ug/kg	330	12000	1400	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Hexachlorobutadiene	87-68-3	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Hexachlorocyclopentadiene	77-47-4	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Hexachloroethane	67-72-1	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/kg	500	11000	8200	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Isophorone	78-59-1	ug/kg	NC	NC	4400	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Naphthalene	91-20-3	ug/kg	12000	1000000	12000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Nitrobenzene	98-95-3	ug/kg	NC	NC	170	210	U	220	U	200	U	230	U	240	U	220	U	190	U
N-Nitrosodi-N-Propylamine	621-64-7	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
N-Nitrosodiphenylamine	86-30-6	ug/kg	NC	NC	NC	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Pentachlorophenol	87-86-5	ug/kg	800	55000	800	400	U	430	U	400	U	450	U	460	U	430	U	370	U
Phenanthrene	85-01-8	ug/kg	100000	1000000	1000000	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Phenol	108-95-2	ug/kg	330	1000000	330	210	U	220	U	200	U	230	U	240	U	220	U	190	U
Pyrene	129-00-0	ug/kg	100000	1000000	1000000	210	U	220	U	200	U	230	U	240	U	220	U	190	U

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, New York State Department of Environmental Conservation, Effective December, 14, 2006.
2 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Industrial Use and Protection of Groundwater, New York State Department of Environmental Conservation, Effi
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.

Bold	Detection
Acronyms	
ug/kg - microgram per kilogram	NC - no criteria listed
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FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
N - normal sample	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
J - The analyte is an estimated quantity.	UJ - estimated, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-06		SB-06		SB-06		SB-06		SB-07		SB-07		SB-07	
					Sample ID	442005-SB-06-0-2-011121		442005-SB-06-2-12-011121		442005-SB-06-6.5-7.5-011221		442005-SB-906-2-12-011121		442005-SB-07-0-2-010621		442005-SB-07-11-13-010621		442005-SB-07-2-12-010621	
					Sample Date	1/11/2021		1/11/2021		1/12/2021		1/11/2021		1/6/2021		1/6/2021		1/6/2021	
					Sample Type	N		N		N		FD		N		N		N	
					Parent Sample Code							442005-SB-06-2-12-011121							
					Sample Depth	0-0.17 ft		0.17-1 ft		6.5-7.5 ft		0.17-1 ft		0-0.17 ft		11-13 ft		0.17-1 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,4-Dioxane (P-Dioxane)	123-91-1	ug/kg	100	250000	100	570	U	540	U	14000	U	5700	U	140	U	130	U	130	U
2,4,5-Trichlorophenol	95-95-4	ug/kg	NC	NC	100	970	U	920	U	23000	U	9600	UJ	230	U	230	U	210	U
2,4,6-Trichlorophenol	88-06-2	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	UJ	230	U	230	U	210	U
2,4-Dichlorophenol	120-83-2	ug/kg	NC	NC	400	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
2,4-Dimethylphenol	105-67-9	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
2,4-Dinitrophenol	51-28-5	ug/kg	NC	NC	200	9500	U	9000	U	230000	U	94000	UJ	2300	U	2200	U	2100	U
2,4-Dinitrotoluene	121-14-2	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	UJ	230	U	230	U	210	U
2,6-Dinitrotoluene	606-20-2	ug/kg	NC	NC	1000	970	U	920	U	23000	U	9600	UJ	230	U	230	U	210	U
2-Chloronaphthalene	91-58-7	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	UJ	230	U	230	U	210	U
2-Chlorophenol	95-57-8	ug/kg	NC	NC	NC	1900	U	1800	U	45000	U	19000	U	450	U	450	U	410	U
2-Methylnaphthalene	91-57-6	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	**87**	**J**	230	U	**43**	**J**
2-Methylphenol (O-Cresol)	95-48-7	ug/kg	330	1000000	330	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
2-Nitroaniline	88-74-4	ug/kg	NC	NC	400	1900	U	1800	U	45000	U	19000	UJ	450	U	450	U	410	U
2-Nitrophenol	88-75-5	ug/kg	NC	NC	300	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
3,3'-Dichlorobenzidine	91-94-1	ug/kg	NC	NC	NC	1900	U	1800	U	45000	U	19000	U	450	U	450	U	410	U
3-Nitroaniline	99-09-2	ug/kg	NC	NC	400	1900	U	1800	U	45000	U	19000	U	450	U	450	U	410	U
4,6-Dinitro-2-Methylphenol	534-52-1	ug/kg	NC	NC	NC	1900	U	1800	U	45000	U	19000	UJ	450	U	450	U	410	U
4-Bromophenyl Phenyl Ether	101-55-3	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
4-Chloro-3-Methylphenol	59-50-7	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
4-Chloroaniline	106-47-8	ug/kg	NC	NC	220	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	UJ	230	U	230	U	210	U
4-Methylphenol (P-Cresol)	106-44-5	ug/kg	330	1000000	330	1900	U	1800	U	45000	U	19000	U	450	U	450	U	410	U
4-Nitroaniline	100-01-6	ug/kg	NC	NC	NC	1900	U	1800	U	45000	U	19000	UJ	450	U	450	U	**200**	**J**
4-Nitrophenol	100-02-7	ug/kg	NC	NC	100	1900	U	1800	U	45000	U	19000	UJ	450	U	450	U	410	U
Acenaphthene	83-32-9	ug/kg	20000	1000000	98000	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Acenaphthylene	208-96-8	ug/kg	100000	1000000	107000	970	U	**120**	**J**	23000	U	9600	UJ	**42**	**J**	230	U	210	U
Acetophenone	98-86-2	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Anthracene	120-12-7	ug/kg	100000	1000000	1000000	970	U	920	U	23000	U	9600	U	**83**	**J**	230	U	210	U
Atrazine	1912-24-9	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Benzaldehyde	100-52-7	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Benzo(A)Anthracene	56-55-3	ug/kg	1000	11000	1000	**310**	**J**	**560**	**J**	23000	U	9600	U	**190**	**J**	**78**	**J**	**120**	**J**
Benzo(A)Pyrene	50-32-8	ug/kg	1000	1100	22000	**330**	**J**	**530**	**J**	23000	U	9600	U	**180**	**J**	**81**	**J**	**120**	**J**
Benzo(B)Fluoranthene	205-99-2	ug/kg	1000	11000	1700	**420**	**J**	**650**	**J**	23000	U	9600	U	**300**		**91**	**J**	**250**	
Benzo(G,H,I)Perylene	191-24-2	ug/kg	100000	1000000	1000000	**230**	**J**	**460**	**J**	23000	U	9600	U	**110**	**J**	**47**	**J**	**65**	**J**
Benzo(K)Fluoranthene	207-08-9	ug/kg	800	110000	1700	**190**	**J**	**340**	**J**	23000	U	9600	U	**160**	**J**	**55**	**J**	210	U
Benzyl Butyl Phthalate	85-68-7	ug/kg	NC	NC	122000	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Biphenyl (Diphenyl)	92-52-4	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	UJ	230	U	230	U	210	U
Bis(2-Chloroethoxy) Methane	111-91-1	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Bis(2-Chloroisopropyl) Ether	108-60-1	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/kg	NC	NC	435000	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Caprolactam	105-60-2	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Carbazole	86-74-8	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	**53**	**J**	230	U	210	U
Chrysene	218-01-9	ug/kg	1000	110000	1000	**390**	**J**	**640**	**J**	23000	U	9600	U	**290**		**98**	**J**	**190**	**J**
Dibenz(A,H)Anthracene	53-70-3	ug/kg	330	1100	1000000	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Dibenzofuran	132-64-9	ug/kg	7000	1000000	6200	970	U	920	U	23000	U	9600	UJ	**42**	**J**	230	U	210	U
Diethyl Phthalate	84-66-2	ug/kg	NC	NC	7100	970	U	920	U	23000	U	9600	UJ	230	U	230	U	210	U
Dimethyl Phthalate	131-11-3	ug/kg	NC	NC	27000	970	U	920	U	23000	U	9600	UJ	230	U	230	U	210	U
Di-N-Butyl Phthalate	84-74-2	ug/kg	NC	NC	8100	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Di-N-Octylphthalate	117-84-0	ug/kg	NC	NC	120000	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Fluoranthene	206-44-0	ug/kg	100000	1000000	1000000	**700**	**J**	**1200**		23000	U	9600	U	**370**		**160**	**J**	**240**	
Fluorene	86-73-7	ug/kg	30000	1000000	386000	970	U	920	U	23000	U	9600	UJ	230	U	230	U	210	U
Hexachlorobenzene	118-74-1	ug/kg	330	12000	1400	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Hexachlorobutadiene	87-68-3	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Hexachlorocyclopentadiene	77-47-4	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	UJ	230	U	230	U	210	U
Hexachloroethane	67-72-1	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/kg	500	11000	8200	**200**	**J**	**350**	**J**	23000	U	9600	U	**110**	**J**	**44**	**J**	**69**	**J**
Isophorone	78-59-1	ug/kg	NC	NC	4400	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Naphthalene	91-20-3	ug/kg	12000	1000000	12000	970	U	920	U	23000	U	9600	U	**69**	**J**	230	U	**35**	**J**
Nitrobenzene	98-95-3	ug/kg	NC	NC	170	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
N-Nitrosodi-N-Propylamine	621-64-7	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
N-Nitrosodiphenylamine	86-30-6	ug/kg	NC	NC	NC	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Pentachlorophenol	87-86-5	ug/kg	800	55000	800	1900	U	1800	U	45000	U	19000	UJ	450	U	450	U	410	U
Phenanthrene	85-01-8	ug/kg	100000	1000000	1000000	**540**	**J**	**480**	**J**	23000	U	9600	U	**230**		**97**	**J**	**150**	**J**
Phenol	108-95-2	ug/kg	330	1000000	330	970	U	920	U	23000	U	9600	U	230	U	230	U	210	U
Pyrene	129-00-0	ug/kg	100000	1000000	1000000	**540**	**J**	**880**	**J**	23000	U	9600	U	**310**		**140**	**J**	**190**	**J**

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, New York State Department of Environmental Conservation, Effective December, 14, 2006.
2 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Industrial Use and Protection of Groundwater, New York State Department of Environmental Conservation, Effi
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.

Bold	Detection
Acronyms	
ug/kg - microgram per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
N - normal sample	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
J - The analyte is an estimated quantity.	UJ - estimated, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	PZ-01		PZ-01		PZ-01		PZ-02		PZ-02		PZ-02	
					Sample ID	442005-PZ-01-0-2-010721		442005-PZ-01-2-12-010721		442005-PZ-01-3-4-010721		442005-PZ-02-0-2-010721		442005-PZ-02-2-12-010721		442005-PZ-02-3-4-010721	
					Sample Date	1/7/2021		1/7/2021		1/7/2021		1/7/2021		1/7/2021		1/7/2021	
					Sample Type	N		N		N		N		N		N	
					Parent Sample Code												
					Sample Depth	0-0.17 ft		0.17-1 ft		3-4 ft		0-0.17 ft		0.17-1 ft		3-4 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q
PCB-1016 (Aroclor 1016)	12674-11-2	mg/kg	0.1	25	3.2	0.33	U	0.38	U	0.24	U	0.38	U	0.38	U	0.27	U
PCB-1221 (Aroclor 1221)	11104-28-2	mg/kg	0.1	25	3.2	0.33	UJ	0.38	UJ	0.24	UJ	0.38	U	0.38	U	0.27	U
PCB-1232 (Aroclor 1232)	11141-16-5	mg/kg	0.1	25	3.2	0.33	U	0.38	U	0.24	U	0.38	U	0.38	U	0.27	U
PCB-1242 (Aroclor 1242)	53469-21-9	mg/kg	0.1	25	3.2	0.33	UJ	0.38	UJ	0.24	UJ	0.38	U	0.38	U	0.27	U
PCB-1248 (Aroclor 1248)	12672-29-6	mg/kg	0.1	25	3.2	0.33	UJ	0.38	UJ	0.24	UJ	0.38	U	0.38	U	0.27	U
PCB-1254 (Aroclor 1254)	11097-69-1	mg/kg	0.1	25	3.2	0.33	U	0.38	U	0.24	U	0.38	U	0.38	U	0.27	U
PCB-1260 (Aroclor 1260)	11096-82-5	mg/kg	0.1	25	3.2	0.33	U	0.38	U	0.24	U	0.38	U	0.38	U	0.27	U

Notes:
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3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.

	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
mg/kg - milligram per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	PCB - polychlorinated biphenyl
ID - identification	Q - qualifier
J - The analyte is an estimated quantity.	SCO - soil cleanup objective
JH - estimated biased high	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
N - normal sample	UJ - estimated, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-03		SB-03		SB-04		SB-04		SB-04		SB-05	
					Sample ID	442005-SB-03-0-2-010821		442005-SB-03-2-12-010821		442005-SB-04-0-2-011221		442005-SB-04-10-11-011221		442005-SB-04-2-12-011221		442005-SB-05-0-2-010521	
					Sample Date	1/8/2021		1/8/2021		1/12/2021		1/12/2021		1/12/2021		1/5/2021	
					Sample Type	N		N		N		N		N		N	
					Parent Sample Code												
					Sample Depth	0-0.17 ft		0.17-1 ft		0-0.17 ft		10-11 ft		0.17-1 ft		0-0.17 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q
PCB-1016 (Aroclor 1016)	12674-11-2	mg/kg	0.1	25	3.2	0.25	U	0.28	U	0.26	U	0.26	U	0.32	U	0.33	U
PCB-1221 (Aroclor 1221)	11104-28-2	mg/kg	0.1	25	3.2	0.25	U	0.28	U	0.26	U	0.26	U	0.32	U	0.33	U
PCB-1232 (Aroclor 1232)	11141-16-5	mg/kg	0.1	25	3.2	0.25	U	0.28	U	0.26	U	0.26	U	0.32	U	0.33	U
PCB-1242 (Aroclor 1242)	53469-21-9	mg/kg	0.1	25	3.2	0.25	U	0.28	U	0.26	U	0.26	U	0.32	U	0.33	U
PCB-1248 (Aroclor 1248)	12672-29-6	mg/kg	0.1	25	3.2	0.25	U	0.28	U	0.26	U	0.26	U	0.32	U	0.33	U
PCB-1254 (Aroclor 1254)	11097-69-1	mg/kg	0.1	25	3.2	0.25	U	0.28	U	0.26	U	0.26	U	0.32	U	0.33	U
PCB-1260 (Aroclor 1260)	11096-82-5	mg/kg	0.1	25	3.2	0.25	U	0.28	U	0.26	U	0.26	U	0.32	U	0.33	U

Notes:
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3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.

	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
mg/kg - milligram per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	PCB - polychlorinated biphenyl
ID - identification	Q - qualifier
J - The analyte is an estimated quantity.	SCO - soil cleanup objective
JH - estimated biased high	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
N - normal sample	UJ - estimated, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-05		SB-05		SB-06		SB-06		SB-06		SB-06	
					Sample ID	442005-SB-05-2-12-010521		442005-SB-05-24-26-010521		442005-SB-06-0-2-011121		442005-SB-06-2-12-011121		442005-SB-06-6.5-7.5-011221		442005-SB-906-2-12-011121	
					Sample Date	1/5/2021		1/5/2021		1/11/2021		1/11/2021		1/12/2021		1/11/2021	
					Sample Type	N		N		N		N		N		FD	
					Parent Sample Code											442005-SB-06-2-12-011121	
					Sample Depth	0.17-1 ft		24-26 ft		0-0.17 ft		0.17-1 ft		6.5-7.5 ft		0.17-1 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q
PCB-1016 (Aroclor 1016)	12674-11-2	mg/kg	0.1	25	3.2	0.33	UJ	0.23	U	0.27	U	0.22	U	1.7	U	0.26	U
PCB-1221 (Aroclor 1221)	11104-28-2	mg/kg	0.1	25	3.2	0.33	U	0.23	U	0.27	U	0.22	U	1.7	U	0.26	U
PCB-1232 (Aroclor 1232)	11141-16-5	mg/kg	0.1	25	3.2	0.33	U	0.23	U	0.27	U	0.22	U	1.7	U	0.26	U
PCB-1242 (Aroclor 1242)	53469-21-9	mg/kg	0.1	25	3.2	0.33	U	0.23	U	**0.12**	**J**	0.22	U	1.7	U	0.26	U
PCB-1248 (Aroclor 1248)	12672-29-6	mg/kg	0.1	25	3.2	0.33	U	0.23	U	0.27	U	0.22	U	1.7	U	0.26	U
PCB-1254 (Aroclor 1254)	11097-69-1	mg/kg	0.1	25	3.2	0.33	U	0.23	U	0.27	U	**0.13**	**J**	1.7	U	0.26	U
PCB-1260 (Aroclor 1260)	11096-82-5	mg/kg	0.1	25	3.2	0.33	UJ	0.23	U	0.27	U	0.22	U	1.7	U	**0.13**	**JH**

Notes:
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	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
mg/kg - milligram per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	PCB - polychlorinated biphenyl
ID - identification	Q - qualifier
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Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-07		SB-07		SB-07	
					Sample ID	442005-SB-07-0-2-010621		442005-SB-07-11-13-010621		442005-SB-07-2-12-010621	
					Sample Date	1/6/2021		1/6/2021		1/6/2021	
					Sample Type	N		N		N	
					Parent Sample Code						
					Sample Depth	0-0.17 ft		11-13 ft		0.17-1 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q
PCB-1016 (Aroclor 1016)	12674-11-2	mg/kg	0.1	25	3.2	0.34	U	0.31	U	0.28	U
PCB-1221 (Aroclor 1221)	11104-28-2	mg/kg	0.1	25	3.2	0.34	UJ	0.31	UJ	0.28	UJ
PCB-1232 (Aroclor 1232)	11141-16-5	mg/kg	0.1	25	3.2	0.34	U	0.31	U	0.28	U
PCB-1242 (Aroclor 1242)	53469-21-9	mg/kg	0.1	25	3.2	0.34	UJ	0.31	UJ	0.28	UJ
PCB-1248 (Aroclor 1248)	12672-29-6	mg/kg	0.1	25	3.2	0.34	UJ	0.31	UJ	0.28	UJ
PCB-1254 (Aroclor 1254)	11097-69-1	mg/kg	0.1	25	3.2	0.34	U	0.31	U	0.28	U
PCB-1260 (Aroclor 1260)	11096-82-5	mg/kg	0.1	25	3.2	0.34	U	0.31	U	0.28	U

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, New York State Department of Environmental Conservation, Effective December, 14, 2006.
2 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Industrial Use and Protection of Groundwater, New York State Department of Environmental Conservation,
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.

	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
mg/kg - milligram per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	PCB - polychlorinated biphenyl
ID - identification	Q - qualifier
J - The analyte is an estimated quantity.	SCO - soil cleanup objective
JH - estimated biased high	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
N - normal sample	UJ - estimated, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	PZ-01		PZ-01		PZ-01		PZ-02		PZ-02		PZ-02	
					Sample ID	442005-PZ-01-0-2-010721		442005-PZ-01-2-12-010721		442005-PZ-01-3-4-010721		442005-PZ-02-0-2-010721		442005-PZ-02-2-12-010721		442005-PZ-02-3-4-010721	
					Sample Date	1/7/2021		1/7/2021		1/7/2021		1/7/2021		1/7/2021		1/7/2021	
					Sample Type	N		N		N		N		N		N	
					Parent Sample Code												
					Sample Depth	0-0.17 ft		0.17-1 ft		3-4 ft		0-0.17 ft		0.17-1 ft		3-4 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q
Aldrin	309-00-2	ug/kg	5	1400	190	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/kg	20	6800	20	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
Alpha Endosulfan	959-98-8	ug/kg	2400	920000	102000	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/kg	36	14000	90	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
Beta Endosulfan	33213-65-9	ug/kg	2400	920000	102000	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
cis-Chlordane	5103-71-9	ug/kg	94	47000	NC	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/kg	40	1000000	250	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
Dieldrin	60-57-1	ug/kg	5	2800	100	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
Endosulfan Sulfate	1031-07-8	ug/kg	2400	920000	1000000	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
Endrin	72-20-8	ug/kg	14	410000	60	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
Endrin Aldehyde	7421-93-4	ug/kg	NC	NC	NC	16	U	**4.4**		**2.6**		**3.6**		**3.1**		**1.6**	**J**
Endrin Ketone	53494-70-5	ug/kg	NC	NC	NC	16	U	2.7	U	**0.79**	**J**	3	U	2.6	U	2.6	U
Gamma Bhc (Lindane)	58-89-9	ug/kg	100	23000	100	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
Heptachlor	76-44-8	ug/kg	42	29000	380	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
Heptachlor Epoxide	1024-57-3	ug/kg	NC	NC	20	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
Methoxychlor	72-43-5	ug/kg	NC	NC	900000	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
P,P'-DDD	72-54-8	ug/kg	3.3	180000	14000	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
P,P'-DDE	72-55-9	ug/kg	3.3	120000	17000	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U
P,P'-DDT	50-29-3	ug/kg	3.3	94000	136000	**4.7**	**J**	2.7	U	**0.93**	**J**	3	U	2.6	U	2.6	U
Toxaphene	8001-35-2	ug/kg	NC	NC	NC	160	U	27	U	23	U	30	U	26	U	26	U
trans-Chlordane	5103-74-2	ug/kg	NC	NC	NC	16	U	2.7	U	2.3	U	3	U	2.6	U	2.6	U

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, New York State Department of Environmental Conservation, Effective December, 14, 2006.
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.

	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
ug/kg - micrograms per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
N - normal sample	UJ - estimated, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-03		SB-03		SB-04		SB-04		SB-04		SB-05	
					Sample ID	442005-SB-03-0-2-010821		442005-SB-03-2-12-010821		442005-SB-04-0-2-011221		442005-SB-04-10-11-011221		442005-SB-04-2-12-011221		442005-SB-05-0-2-010521	
					Sample Date	1/8/2021		1/8/2021		1/12/2021		1/12/2021		1/12/2021		1/5/2021	
					Sample Type	N		N		N		N		N		N	
					Parent Sample Code												
					Sample Depth	0-0.17 ft		0.17-1 ft		0-0.17 ft		10-11 ft		0.17-1 ft		0-0.17 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q
Aldrin	309-00-2	ug/kg	5	1400	190	1.9	U	2.1	U	2.2	U	2	U	2.3	U	2.3	U
Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/kg	20	6800	20	1.9	U	2.1	U	2.2	U	2	U	2.3	U	**0.55**	**J**
Alpha Endosulfan	959-98-8	ug/kg	2400	920000	102000	1.9	U	2.1	U	**1**	**J**	2	U	2.3	U	**0.74**	**J**
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/kg	36	14000	90	1.9	U	2.1	U	2.2	U	2	U	2.3	U	2.3	U
Beta Endosulfan	33213-65-9	ug/kg	2400	920000	102000	1.9	U	2.1	U	2.2	U	2	U	2.3	U	2.3	U
cis-Chlordane	5103-71-9	ug/kg	94	47000	NC	1.9	U	2.1	U	2.2	U	2	U	2.3	U	2.3	U
Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/kg	40	1000000	250	1.9	U	2.1	U	2.2	U	2	U	2.3	U	**0.93**	**J**
Dieldrin	60-57-1	ug/kg	5	2800	100	1.9	U	2.1	U	2.2	U	2	U	2.3	U	**0.73**	**J**
Endosulfan Sulfate	1031-07-8	ug/kg	2400	920000	1000000	1.9	U	2.1	U	2.2	U	2	U	2.3	U	2.3	U
Endrin	72-20-8	ug/kg	14	410000	60	1.9	U	2.1	U	2.2	U	2	U	2.3	U	2.3	U
Endrin Aldehyde	7421-93-4	ug/kg	NC	NC	NC	1.9	U	**23**		**0.65**	**J**	2	U	2.3	U	2.3	U
Endrin Ketone	53494-70-5	ug/kg	NC	NC	NC	1.9	U	2.1	U	2.2	U	2	U	2.3	U	2.3	U
Gamma Bhc (Lindane)	58-89-9	ug/kg	100	23000	100	1.9	U	2.1	U	**0.66**	**J**	2	U	2.3	U	2.3	U
Heptachlor	76-44-8	ug/kg	42	29000	380	1.9	U	2.1	U	2.2	U	2	U	2.3	U	2.3	U
Heptachlor Epoxide	1024-57-3	ug/kg	NC	NC	20	1.9	U	2.1	U	2.2	U	2	U	2.3	U	**1.1**	**J**
Methoxychlor	72-43-5	ug/kg	NC	NC	900000	1.9	U	2.1	U	2.2	U	2	U	2.3	U	**0.76**	**J**
P,P'-DDD	72-54-8	ug/kg	3.3	180000	14000	1.9	U	2.1	U	2.2	U	2	U	2.3	U	2.3	U
P,P'-DDE	72-55-9	ug/kg	3.3	120000	17000	1.9	U	2.1	U	2.2	U	2	U	2.3	U	2.3	U
P,P'-DDT	50-29-3	ug/kg	3.3	94000	136000	**0.59**	**J**	2.1	U	**1.7**	**J**	**0.8**	**J**	2.3	U	**0.73**	**J**
Toxaphene	8001-35-2	ug/kg	NC	NC	NC	19	U	21	U	22	U	20	U	23	U	23	U
trans-Chlordane	5103-74-2	ug/kg	NC	NC	NC	1.9	U	2.1	U	2.2	U	2	U	2.3	U	2.3	U

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, New York State Department of Environmental Conservation, Effective December, 14, 2006.
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.

	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
ug/kg - micrograms per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
N - normal sample	UJ - estimated, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-05		SB-05		SB-06		SB-06		SB-06		SB-06	
					Sample ID	442005-SB-05-2-12-010521		442005-SB-05-24-26-010521		442005-SB-06-0-2-011121		442005-SB-06-2-12-011121		442005-SB-06-6.5-7.5-011221		442005-SB-906-2-12-011121	
					Sample Date	1/5/2021		1/5/2021		1/11/2021		1/11/2021		1/12/2021		1/11/2021	
					Sample Type	N		N		N		N		N		FD	
					Parent Sample Code											442005-SB-06-2-12-011121	
					Sample Depth	0.17-1 ft		24-26 ft		0-0.17 ft		0.17-1 ft		6.5-7.5 ft		0.17-1 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q
Aldrin	309-00-2	ug/kg	5	1400	190	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/kg	20	6800	20	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Alpha Endosulfan	959-98-8	ug/kg	2400	920000	102000	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/kg	36	14000	90	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Beta Endosulfan	33213-65-9	ug/kg	2400	920000	102000	2.2	U	1.9	U	19	U	18	U	230	U	19	U
cis-Chlordane	5103-71-9	ug/kg	94	47000	NC	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/kg	40	1000000	250	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Dieldrin	60-57-1	ug/kg	5	2800	100	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Endosulfan Sulfate	1031-07-8	ug/kg	2400	920000	1000000	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Endrin	72-20-8	ug/kg	14	410000	60	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Endrin Aldehyde	7421-93-4	ug/kg	NC	NC	NC	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Endrin Ketone	53494-70-5	ug/kg	NC	NC	NC	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Gamma Bhc (Lindane)	58-89-9	ug/kg	100	23000	100	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Heptachlor	76-44-8	ug/kg	42	29000	380	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Heptachlor Epoxide	1024-57-3	ug/kg	NC	NC	20	2.2	U	1.9	U	19	U	18	U	230	U	19	U
Methoxychlor	72-43-5	ug/kg	NC	NC	900000	2.2	U	1.9	U	19	U	18	U	230	U	19	U
P,P'-DDD	72-54-8	ug/kg	3.3	180000	14000	2.2	U	1.9	U	**6.9**	**J**	18	U	230	U	**4.9**	**J**
P,P'-DDE	72-55-9	ug/kg	3.3	120000	17000	2.2	U	1.9	U	19	U	18	U	230	U	19	U
P,P'-DDT	50-29-3	ug/kg	3.3	94000	136000	**0.8**	**J**	1.9	U	19	U	18	U	**63**	**J**	19	U
Toxaphene	8001-35-2	ug/kg	NC	NC	NC	22	U	19	U	190	U	180	U	2300	U	190	U
trans-Chlordane	5103-74-2	ug/kg	NC	NC	NC	2.2	U	1.9	U	19	U	18	U	230	U	19	U

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, New York State Department of Environmental Conservation, Effective December, 14, 2006.
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.

	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
ug/kg - micrograms per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
N - normal sample	UJ - estimated, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-07		SB-07		SB-07	
					Sample ID	442005-SB-07-0-2-010621		442005-SB-07-11-13-010621		442005-SB-07-2-12-010621	
					Sample Date	1/6/2021		1/6/2021		1/6/2021	
					Sample Type	N		N		N	
					Parent Sample Code						
					Sample Depth	0-0.17 ft		11-13 ft		0.17-1 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q
Aldrin	309-00-2	ug/kg	5	1400	190	2.3	U	2.2	U	2.1	U
Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/kg	20	6800	20	2.3	U	2.2	U	**0.47**	**J**
Alpha Endosulfan	959-98-8	ug/kg	2400	920000	102000	2.3	U	2.2	U	2.1	U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/kg	36	14000	90	2.3	U	2.2	U	2.1	U
Beta Endosulfan	33213-65-9	ug/kg	2400	920000	102000	2.3	U	2.2	U	2.1	U
cis-Chlordane	5103-71-9	ug/kg	94	47000	NC	2.3	U	2.2	U	2.1	U
Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/kg	40	1000000	250	2.3	U	2.2	U	2.1	U
Dieldrin	60-57-1	ug/kg	5	2800	100	2.3	U	2.2	U	2.1	U
Endosulfan Sulfate	1031-07-8	ug/kg	2400	920000	1000000	2.3	U	2.2	U	2.1	U
Endrin	72-20-8	ug/kg	14	410000	60	2.3	U	2.2	U	2.1	U
Endrin Aldehyde	7421-93-4	ug/kg	NC	NC	NC	2.3	U	2.2	U	**3.3**	
Endrin Ketone	53494-70-5	ug/kg	NC	NC	NC	2.3	U	2.2	U	2.1	U
Gamma Bhc (Lindane)	58-89-9	ug/kg	100	23000	100	2.3	U	2.2	U	**0.82**	**J**
Heptachlor	76-44-8	ug/kg	42	29000	380	2.3	U	2.2	U	2.1	U
Heptachlor Epoxide	1024-57-3	ug/kg	NC	NC	20	2.3	U	2.2	U	2.1	U
Methoxychlor	72-43-5	ug/kg	NC	NC	900000	2.3	U	2.2	U	2.1	U
P,P'-DDD	72-54-8	ug/kg	3.3	180000	14000	2.3	U	2.2	U	**2.4**	
P,P'-DDE	72-55-9	ug/kg	3.3	120000	17000	**2**	**J**	2.2	U	2.1	U
P,P'-DDT	50-29-3	ug/kg	3.3	94000	136000	**3.3**		2.2	U	**3**	
Toxaphene	8001-35-2	ug/kg	NC	NC	NC	23	U	22	U	21	U
trans-Chlordane	5103-74-2	ug/kg	NC	NC	NC	2.3	U	2.2	U	2.1	U

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, New York State Department of Environmental Conservation, Effective December, 14, 2006.
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.

	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
ug/kg - micrograms per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
N - normal sample	UJ - estimated, undetected

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	PZ-01		PZ-01		PZ-01		PZ-02		PZ-02		PZ-02	
					Sample ID	442005-PZ-01-0-2-010721		442005-PZ-01-2-12-010721		442005-PZ-01-3-4-010721		442005-PZ-02-0-2-010721		442005-PZ-02-2-12-010721		442005-PZ-02-3-4-010721	
					Sample Date	1/7/2021		1/7/2021		1/7/2021		1/7/2021		1/7/2021		1/7/2021	
					Sample Type	N		N		N		N		N		N	
					Parent Sample Code												
					Sample Depth	0-0.17 ft		0.17-1 ft		3-4 ft		0-0.17 ft		0.17-1 ft		3-4 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum	7429-90-5	mg/kg	NC	NC	NC	**11400**	**JH**	**11000**	**JH**	**9180**	**JH**	**9800**	**JH**	**10600**		**11000**	
Antimony	7440-36-0	mg/kg	NC	NC	NC	28.6	UJ	23.2	UJ	20.5	UJ	26.5	UJ	24.7	UJ	24	UJ
Arsenic	7440-38-2	mg/kg	13	16	16	**5**		**4.7**		**4**		**4.5**		**5.1**		**4.4**	
Barium	7440-39-3	mg/kg	350	10000	820	**127**	**JH**	**113**	**JH**	**77**	**JH**	**96**	**JH**	**110**	**JH**	**98.6**	**JH**
Beryllium	7440-41-7	mg/kg	7.2	2700	47	**0.74**		**0.73**		**0.49**		**0.62**		**0.65**		**0.59**	
Cadmium	7440-43-9	mg/kg	2.5	60	7.5	**0.44**		**0.53**		0.27	U	**0.51**		**0.92**		**0.074**	**J**
Calcium	7440-70-2	mg/kg	NC	NC	NC	**8320**		**5600**		**2100**		**4220**		**3260**		**2520**	
Chromium, Total	7440-47-3	mg/kg	30	6800	NC	**11.9**	**J**	**13.8**	**J**	**9.1**	**J**	**12.1**	**J**	**14.6**	**J**	**13.9**	**J**
Cobalt	7440-48-4	mg/kg	NC	NC	NC	**12.7**	**J**	**12.3**	**J**	**9.1**	**J**	**12.6**	**J**	**10.9**	**J**	**11.4**	**J**
Copper	7440-50-8	mg/kg	50	10000	1720	**22.5**		**25.2**		**10.8**		**31.7**		**34.6**		**16.8**	
Iron	7439-89-6	mg/kg	NC	NC	NC	**21700**	**JH**	**20300**	**JH**	**15000**	**JH**	**19100**	**JH**	**19300**		**18200**	
Lead	7439-92-1	mg/kg	63	3900	450	**37.8**		**50.7**		**13.2**		**50.2**		**67.9**	**J**	**34.5**	**J**
Magnesium	7439-95-4	mg/kg	NC	NC	NC	**4580**		**3870**		**2690**		**3180**		**3040**		**3190**	
Manganese	7439-96-5	mg/kg	1600	10000	2000	**926**	**J**	**877**	**J**	**231**	**J**	**684**	**J**	**721**	**J**	**291**	**J**
Mercury	7439-97-6	mg/kg	0.18	5.7	0.73	**0.12**		**0.16**		**0.12**		**0.18**		**0.25**		**0.51**	
Nickel	7440-02-0	mg/kg	30	10000	130	**17.7**		**17.8**		**13.4**		**16.2**		**16.8**		**16.3**	
Potassium	7440-09-7	mg/kg	NC	NC	NC	**1970**	**J**	**1570**	**J**	**1160**	**J**	**1570**	**J**	**1500**	**J**	**1350**	**J**
Selenium	7782-49-2	mg/kg	3.9	6800	4	**2.1**	**J**	**2.3**	**J**	**1.3**	**J**	**2**	**J**	**2.1**	**J**	**1.6**	**J**
Silver	7440-22-4	mg/kg	2	6800	8.3	**0.52**	**J**	**0.59**	**J**	**0.29**	**J**	**0.65**	**J**	**0.73**	**J**	**0.4**	**J**
Sodium	7440-23-5	mg/kg	NC	NC	NC	**57.3**	**J**	**49.6**	**J**	**89.3**	**J**	**44.7**	**J**	**51.2**	**J**	**111**	**J**
Thallium	7440-28-0	mg/kg	NC	NC	NC	11.5	U	9.3	U	8.2	U	10.6	U	9.9	U	9.6	U
Vanadium	7440-62-2	mg/kg	NC	NC	NC	**17.3**		**19**		**13.1**		**16.3**		**19**		**15.2**	
Zinc	7440-66-6	mg/kg	109	10000	2480	**113**		**124**		**44.3**		**125**		**126**		**63.9**	
Cyanide	57-12-5	mg/kg	27	10000	40	1.9	U	1.5	U	1.3	U	1.6	U	1.4	U	1.3	U

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, New York State Department of Environmental Conservation, Effective December, 14, 2006.
2 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Industrial Use and Protection of Groundwater, New York State Department of Environmental Conservation, Effective December, 14, 2006.
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	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
ug/kg - micrograms per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
JH - estimated biased high	UJ - estimated, undetected
N - normal sample	T - matrix spike and/or matrix spike duplicate exceeds control limits

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-03		SB-03		SB-04		SB-04		SB-04		SB-05	
					Sample ID	442005-SB-03-0-2-010821		442005-SB-03-2-12-010821		442005-SB-04-0-2-011221		442005-SB-04-10-11-011221		442005-SB-04-2-12-011221		442005-SB-05-0-2-010521	
					Sample Date	1/8/2021		1/8/2021		1/12/2021		1/12/2021		1/12/2021		1/5/2021	
					Sample Type	N		N		N		N		N		N	
					Parent Sample Code												
					Sample Depth	0-0.17 ft		0.17-1 ft		0-0.17 ft		10-11 ft		0.17-1 ft		0-0.17 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q
Aluminum	7429-90-5	mg/kg	NC	NC	NC	**20300**		**23900**		**17000**	**J**	**10500**	**J**	**21800**	**J**	**24500**	**JH**
Antimony	7440-36-0	mg/kg	NC	NC	NC	16.5	UJ	19.4	UJ	20	UJ	18.9	UJ	20.3	UJ	22.2	U
Arsenic	7440-38-2	mg/kg	13	16	16	**7.7**	**JH**	**9**	**JH**	**7.2**		**4.2**		**9**		**6.8**	
Barium	7440-39-3	mg/kg	350	10000	820	**144**	**JH**	**174**	**JH**	**123**	**JH**	**49**	**JH**	**160**	**JH**	**156**	**JH**
Beryllium	7440-41-7	mg/kg	7.2	2700	47	**0.84**		**0.96**		**0.74**	**JH**	**0.42**	**JH**	**0.95**	**JH**	**0.83**	
Cadmium	7440-43-9	mg/kg	2.5	60	7.5	0.22	U	0.26	U	**0.64**		**0.12**	**J**	**0.25**	**J**	0.3	U
Calcium	7440-70-2	mg/kg	NC	NC	NC	**997**	**JH**	**960**	**B**	**3450**	**JH**	**900**	**JH**	**2240**	**JH**	**1830**	
Chromium, Total	7440-47-3	mg/kg	30	6800	NC	**20.4**	**JH**	**23.1**	**JH**	**19**		**15.2**		**23.4**		**23.4**	**J**
Cobalt	7440-48-4	mg/kg	NC	NC	NC	**16.5**		**20.2**		**13.1**		**10.8**		**18.6**		**14**	**J**
Copper	7440-50-8	mg/kg	50	10000	1720	**25.3**		**28.1**		**24.1**		**16.3**		**29.4**		**22.2**	
Iron	7439-89-6	mg/kg	NC	NC	NC	**32800**	**JH**	**37500**	**JH**	**28200**	**JH**	**24000**	**JH**	**35500**	**JH**	**31600**	
Lead	7439-92-1	mg/kg	63	3900	450	**21.5**	**JH**	**24.7**	**JH**	**19**		**12.5**		**22.3**		**27.1**	
Magnesium	7439-95-4	mg/kg	NC	NC	NC	**6390**		**7540**		**5940**		**4890**		**7340**		**5840**	
Manganese	7439-96-5	mg/kg	1600	10000	2000	**647**	**JH**	**714**	**JH**	**625**	**JH**	**313**	**JH**	**865**	**JH**	**899**	**J**
Mercury	7439-97-6	mg/kg	0.18	5.7	0.73	**0.034**		**0.036**		**0.039**		**0.016**	**J**	**0.025**	**J**	**0.062**	
Nickel	7440-02-0	mg/kg	30	10000	130	**33.2**		**39.5**		**29.5**		**24.1**		**37.7**		**27.6**	
Potassium	7440-09-7	mg/kg	NC	NC	NC	**2540**	**JH**	**2940**	**JH**	**2930**	**JH**	**1420**	**JH**	**3470**	**JH**	**3250**	**J**
Selenium	7782-49-2	mg/kg	3.9	6800	4	**3.5**	**J**	**3.6**	**J**	5.3	U	5	U	5.4	U	**3.2**	**J**
Silver	7440-22-4	mg/kg	2	6800	8.3	**0.37**	**J**	**0.56**	**J**	**0.44**	**J**	0.75	U	**0.43**	**J**	**0.53**	**J**
Sodium	7440-23-5	mg/kg	NC	NC	NC	**87.6**	**J**	**106**	**J**	186	U	176	U	190	U	207	U
Thallium	7440-28-0	mg/kg	NC	NC	NC	6.6	U	7.8	U	8	U	7.5	U	8.1	U	8.9	U
Vanadium	7440-62-2	mg/kg	NC	NC	NC	**24.3**		**27.5**		**22.9**		**14.8**		**27.1**		**33.7**	**J**
Zinc	7440-66-6	mg/kg	109	10000	2480	**81.3**	**JH**	**91.1**	**JH**	**124**		**51.3**		**100**		**105**	
Cyanide	57-12-5	mg/kg	27	10000	40	1.1	U	1.2	U	1.3	U	1.2	U	1.3	U	1.3	U

Notes:
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	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
ug/kg - micrograms per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
JH - estimated biased high	UJ - estimated, undetected
N - normal sample	T - matrix spike and/or matrix spike duplicate exceeds control limits

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-05		SB-05		SB-06		SB-06		SB-06		SB-06	
					Sample ID	442005-SB-05-2-12-010521		442005-SB-05-24-26-010521		442005-SB-06-0-2-011121		442005-SB-06-2-12-011121		442005-SB-06-6.5-7.5-011221		442005-SB-906-2-12-011121	
					Sample Date	1/5/2021		1/5/2021		1/11/2021		1/11/2021		1/12/2021		1/11/2021	
					Sample Type	N		N		N		N		N		FD	
					Parent Sample Code											442005-SB-06-2-12-011121	
					Sample Depth	0.17-1 ft		24-26 ft		0-0.17 ft		0.17-1 ft		6.5-7.5 ft		0.17-1 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q
Aluminum	7429-90-5	mg/kg	NC	NC	NC	**23700**	**JH**	**15200**	**JH**	**6110**	**JH**	**7620**	**J**	**9110**	**J**	**7920**	**J**
Antimony	7440-36-0	mg/kg	NC	NC	NC	18.7	UT	17.2	UJ	17.3	U	15.5	U	21.3	UJ	17.1	UJ
Arsenic	7440-38-2	mg/kg	13	16	16	**7.3**		**6.3**		**11**		**10.5**		**5.4**		**10.8**	
Barium	7440-39-3	mg/kg	350	10000	820	**148**	**JH**	**91.1**	**JH**	**53.5**	**JH**	**161**	**JH**	**80.5**	**JH**	**135**	**JH**
Beryllium	7440-41-7	mg/kg	7.2	2700	47	**0.84**		**0.59**		**0.39**	**JH**	**0.53**	**JH**	**0.38**	**JH**	**0.53**	**JH**
Cadmium	7440-43-9	mg/kg	2.5	60	7.5	0.25	U	0.23	U	**0.43**		**0.45**		**0.16**	**J**	**0.45**	
Calcium	7440-70-2	mg/kg	NC	NC	NC	**1780**		**18500**		**62600**	**JH**	**10200**	**JH**	**29800**	**JH**	**12100**	**JH**
Chromium, Total	7440-47-3	mg/kg	30	6800	NC	**21.8**	**J**	**21.1**	**J**	**14.5**		**17.1**		**13.8**		**18.3**	
Cobalt	7440-48-4	mg/kg	NC	NC	NC	**15.9**	**J**	**11.5**	**J**	**7.1**		**7.6**		**7.5**		**8**	
Copper	7440-50-8	mg/kg	50	10000	1720	**20.6**		**25.3**		**34.6**		**78.3**		**32**		**74.7**	
Iron	7439-89-6	mg/kg	NC	NC	NC	**32400**		**26800**		**17100**	**JH**	**22300**	**JH**	**18200**	**JH**	**21000**	**JH**
Lead	7439-92-1	mg/kg	63	3900	450	**25.9**		**15.7**		**49.9**		**120**		**29.2**		**114**	
Magnesium	7439-95-4	mg/kg	NC	NC	NC	**5750**	**T**	**8570**		**19300**	**T**	**4740**		**4950**		**6920**	
Manganese	7439-96-5	mg/kg	1600	10000	2000	**1010**	**J**	**575**	**J**	**459**	**JH**	**395**	**JH**	**470**	**JH**	**484**	**JH**
Mercury	7439-97-6	mg/kg	0.18	5.7	0.73	**0.06**		**0.02**		**0.18**		**0.34**		**0.19**		**0.46**	
Nickel	7440-02-0	mg/kg	30	10000	130	**28.1**		**27.6**		**22.3**		**23.6**		**18.9**		**22.8**	
Potassium	7440-09-7	mg/kg	NC	NC	NC	**2780**	**JH**	**2830**	**J**	**1020**	**JH**	**1160**	**JH**	**1300**	**JH**	**1170**	**JH**
Selenium	7782-49-2	mg/kg	3.9	6800	4	**3.1**	**J**	**2.6**	**J**	**0.64**	**J**	**0.67**	**J**	5.7	U	4.6	U
Silver	7440-22-4	mg/kg	2	6800	8.3	**0.48**	**J**	**0.44**	**J**	**0.38**	**J**	**0.67**		0.85	U	**0.87**	
Sodium	7440-23-5	mg/kg	NC	NC	NC	175	U	160	U	161	U	145	U	199	U	160	U
Thallium	7440-28-0	mg/kg	NC	NC	NC	7.5	U	6.9	U	6.9	U	6.2	U	8.5	U	6.8	U
Vanadium	7440-62-2	mg/kg	NC	NC	NC	**29.3**	**JH**	**20.7**		**19.5**		**21.7**		**28.6**		**21.1**	
Zinc	7440-66-6	mg/kg	109	10000	2480	**99.8**		**63**		**108**		**145**		**169**		**139**	
Cyanide	57-12-5	mg/kg	27	10000	40	1.3	UJ	1.1	U	1.1	U	1	U	1.4	U	1	U

Notes:
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	> Unrestricted Use SCOs
Bold	Detection
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CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
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Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-07		SB-07		SB-07	
					Sample ID	442005-SB-07-0-2-010621		442005-SB-07-11-13-010621		442005-SB-07-2-12-010621	
					Sample Date	1/6/2021		1/6/2021		1/6/2021	
					Sample Type	N		N		N	
					Parent Sample Code						
					Sample Depth	0-0.17 ft		11-13 ft		0.17-1 ft	
Chemical Name	**CAS No.**	**Unit**	**Unrestricted Use SCO[1]**	**Industrial Use SCO[2]**	**Protection of Groundwater SCO[3]**	Result	Q	Resu t	Q	Result	Q
Aluminum	7429-90-5	mg/kg	NC	NC	NC	**3680**	**JH**	**13800**	**JH**	**3990**	**JH**
Antimony	7440-36-0	mg/kg	NC	NC	NC	21.6	UJ	21.7	UJ	18.7	UJ
Arsenic	7440-38-2	mg/kg	13	16	16	**12.4**		**15**		**13.2**	
Barium	7440-39-3	mg/kg	350	10000	820	**124**	**JH**	**150**	**JH**	**117**	**JH**
Beryllium	7440-41-7	mg/kg	7.2	2700	47	**0.5**		**0.78**		**0.82**	
Cadmium	7440-43-9	mg/kg	2.5	60	7.5	**0.19**	**J**	**0.09**	**J**	0.25	U
Calcium	7440-70-2	mg/kg	NC	NC	NC	**3010**		**19200**		**1880**	
Chromium, Total	7440-47-3	mg/kg	30	6800	NC	**11.7**	**J**	**22.3**	**J**	**12.5**	**J**
Cobalt	7440-48-4	mg/kg	NC	NC	NC	**4.7**	**J**	**11.6**	**J**	**5.8**	**J**
Copper	7440-50-8	mg/kg	50	10000	1720	**61.2**		**48.6**		**51.8**	
Iron	7439-89-6	mg/kg	NC	NC	NC	**20000**	**JH**	**24500**	**JH**	**23500**	**JH**
Lead	7439-92-1	mg/kg	63	3900	450	**126**		**93.9**		**60.6**	
Magnesium	7439-95-4	mg/kg	NC	NC	NC	**663**		**5220**		**403**	
Manganese	7439-96-5	mg/kg	1600	10000	2000	**154**	**J**	**524**	**J**	**77.6**	**J**
Mercury	7439-97-6	mg/kg	0.18	5.7	0.73	**0.18**		**0.23**		**0.29**	
Nickel	7440-02-0	mg/kg	30	10000	130	**18.2**		**27**		**26.3**	
Potassium	7440-09-7	mg/kg	NC	NC	NC	**619**	**J**	**1840**	**J**	**494**	**J**
Selenium	7782-49-2	mg/kg	3.9	6800	4	**2.5**	**J**	**2.9**	**J**	**3.1**	**J**
Silver	7440-22-4	mg/kg	2	6800	8.3	**0.54**	**J**	**0.44**	**J**	**0.41**	**J**
Sodium	7440-23-5	mg/kg	NC	NC	NC	**60.6**	**J**	**216**		**53.6**	**J**
Thallium	7440-28-0	mg/kg	NC	NC	NC	8.6	U	8.7	U	7.5	U
Vanadium	7440-62-2	mg/kg	NC	NC	NC	**40.4**		**21.6**		**36**	
Zinc	7440-66-6	mg/kg	109	10000	2480	**127**		**137**		**52.1**	
Cyanide	57-12-5	mg/kg	27	10000	40	1.3	U	1.3	U	1.2	U

Notes:
1 - 6 NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, New York State Department of Environmental Conservation, Effective December, 14, 2006.
2 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Industrial Use and Protection of Groundwater, New York State Department of Environmental Conservation
3 - 6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Groundwater, NYSDEC, Effective December, 14, 2006.

	> Unrestricted Use SCOs
Bold	Detection
Acronyms	
ug/kg - micrograms per kilogram	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
JH - estimated biased high	UJ - estimated, undetected
N - normal sample	T - matrix spike and/or matrix spike duplicate exceeds control limits

Table 4-1a
Soil Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, TOC, pH, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

		Location ID	PZ-01		PZ-02		SB-03		SB-04		SB-05		SB-06		SB-06		SB-07	
		Sample ID	442005-PZ-01-2-12-010721		442005-PZ-02-2-12-010721		442005-SB-03-2-12-010821		442005-SB-04-2-12-011221		442005-SB-05-2-12-010521		442005-SB-06-2-12-011121		442005-SB-906-2-12-011121		442005-SB-07-2-12-010621	
		Sample Date	1/7/2021		1/7/2021		1/8/2021		1/12/2021		1/5/2021		1/11/2021		1/11/2021		1/6/2021	
		Sample Type	N		N		N		N		N		N		FD		N	
		Parent Sample Code													442005-SB-06-2-12-011121			
		Sample Depth	0.17-1 ft		0.17-1 ft		0.17-1 ft		0.17-1 ft		0.17-1 ft		0.17-1 ft		0.17-1 ft		0.17-1 ft	
Chemical Name	**CAS No.**	**Unit**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
pH	pH	SU	**7.3**	**J**	**7.2**	**J**	**6.5**	**J**	**7.9**	**J**	**6.3**	**J**	**8.3**	**J**	**8.3**	**J**	**7.5**	**J**
Total Organic Carbon	TOC	mg/kg	**46200**		**23200**		**6500**		**14900**	**JH**	**16300**		**51500**	**JH**	**47800**	**JH**	**74100**	**JH**

Acronyms

mg/kg - milligrams per kilogram
SU - standard unit
CAS - chemical abstract service
FD - field duplicate
ID - identification

J - The analyte is an estimated quantity.
JH - estimated biased high
N - normal sample
No. - number
TOC - Total Organic Carbon

Table 4-1b
Soil Analytical Results - PFAS
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	PZ-01		PZ-01		PZ-01		PZ-02		PZ-02		PZ-02	
					Sample ID	442005-PZ-01-0-2-010721		442005-PZ-01-2-12-010721		442005-PZ-01-3-4-010721		442005-PZ-02-0-2-010721		442005-PZ-02-2-12-010721		442005-PZ-02-3-4-010721	
					Sample Date	1/7/2021		1/7/2021		1/7/2021		1/7/2021		1/7/2021		1/7/2021	
					Sample Type	N		N		N		N		N		N	
					Parent Sample Code												
					Sample Depth	0-0.17 ft		0.17-1 ft		3-4 ft		0-0.17 ft		0.17-1 ft		3-4 ft	
Chemical Name	**CAS No.**	**NYSDEC Unrestricted Guidance Values for Anticpated Site Use[1]**	**NYSDEC Industrial Guidance Values for Anticpated Site Use[1]**	**NYSDEC Protection of Groundwater Guidance Values for Anticpated Site Use[1]**	**Unit**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q
Sulfonates																	
Perflourobutanesulfonic Acid (PFBS)	375-73-5	NC	NC	NC	ug/kg	0.36	U	**0.057**	**J**	0.27	U	0.35	U	0.3	U	0.3	U
Perflourohexanesulfonic Acid (PFHxS)	355-46-4	NC	NC	NC	ug/kg	0.36	U	0.32	U	0.27	U	0.35	U	0.3	U	0.3	U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	NC	NC	NC	ug/kg	0.36	U	0.32	U	0.27	U	0.35	U	0.3	U	0.3	U
Perflourooctane Sulfonic Acid (PFOS)	1763-23-1	0.88	440	1.1	ug/kg	**3.1**		**4.5**		**0.78**		**3.4**		**3.8**		**2.7**	
Perfluorodecane Sulfonic Acid (PFDS)	335-77-3	NC	NC	NC	ug/kg	**0.08**	**J**	**0.12**	**J**	0.27	U	**0.11**	**J**	0.3	U	0.3	U
Carboxlyates																	
Perfluorobutyric Acid (PFBA)	375-22-4	NC	NC	NC	ug/kg	**0.8**	**JH**	**0.79**	**JH**	0.27	U	**1.3**	**JH**	**0.91**	**JH**	0.3	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NC	NC	NC	ug/kg	**0.19**	**J**	**0.22**	**J**	0.27	U	**0.29**	**J**	**0.34**		0.3	U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NC	NC	NC	ug/kg	**0.23**	**J**	**0.25**	**J**	0.27	U	**0.29**	**J**	**0.33**		**0.12**	**J**
Perfluoroheptanoic Acid (PFHpA)	375-85-9	NC	NC	NC	ug/kg	**0.22**	**J**	**0.28**	**J**	0.27	U	**0.27**	**J**	**0.28**	**J**	**0.15**	**J**
Perfluorooctanoic Acid (PFOA)	335-67-1	0.66	600	3.7	ug/kg	**2.4**		**3.4**		**0.43**		**2.7**		**4.2**		**3.1**	
Perfluorononanoic Acid (PFNA)	375-95-1	NC	NC	NC	ug/kg	**0.23**	**J**	**0.33**		0.27	U	**0.29**	**J**	**0.28**	**J**	0.3	U
Perfluorodecanoic Acid (PFDA)	335-76-2	NC	NC	NC	ug/kg	**0.25**	**J**	**0.42**		0.27	U	**0.34**	**J**	**0.34**		0.3	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NC	NC	NC	ug/kg	**0.25**	**J**	**0.32**		0.27	U	**0.28**	**J**	**0.16**	**J**	0.3	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NC	NC	NC	ug/kg	**0.23**	**J**	**0.28**	**J**	0.27	U	**0.25**	**J**	**0.17**	**J**	0.3	U
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	NC	NC	NC	ug/kg	**0.13**	**J**	**0.11**	**J**	0.27	U	**0.096**	**J**	0.3	U	0.3	U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NC	NC	NC	ug/kg	**0.15**	**J**	**0.14**	**J**	0.27	U	**0.14**	**J**	**0.085**	**J**	0.3	U
Precursors																	
2-(N-Methyl Perfluorooctanesulfonamido) Acetic Acid (Me-PFOSA-AcOH)	2355-31-9	NC	NC	NC	ug/kg	3.6	U	3.2	U	2.7	U	3.5	U	3	U	3	U
N-Ethyl-N-((Heptadecafluorooctyl)Sulphonyl) Glycine (N-EtFOSAA)	2991-50-6	NC	NC	NC	ug/kg	3.6	U	3.2	U	2.7	U	3.5	U	3	U	3	U
Perflourooctane Sulfonamide (FOSA)	754-91-6	NC	NC	NC	ug/kg	0.36	U	0.32	U	0.27	U	0.35	U	0.3	U	0.3	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2 FTS)	39108-34-4	NC	NC	NC	ug/kg	3.6	UJ	3.2	UJ	2.7	UJ	3.5	UJ	3	UJ	3	UJ
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (6:2 FTS)	27619-97-2	NC	NC	NC	ug/kg	3.6	UJ	3.2	UJ	2.7	UJ	3.5	UJ	3	UJ	3	UJ
Total Quantified PFAS		NC	NC	NC	ug/kg	8.26		11.217		1.21		9.756		10.895		6.07	

Notes:
1 - SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) Under NYSDEC's Part 375 Remedial Programs, Effective January 2021.

Bold	> Protection of Groundwater PFAS Guidance Criteria
	> Unrestricted Use PFAS Guidance Criteria
Bold	Detection

Acronyms

ug/kg - microgram per kilogram	N - normal
B - detected in blank	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
JH - estimated biased high	UJ - estimated, undetected
PFAS - per- and polyfluoroalkyl substances	UT - matrix spike and/or matrix spike duplicate recovery exceed control limits, undetected
N - normal sample	

CDM Smith

Table 4-1b
Soil Analytical Results - PFAS
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-03		SB-03		SB-04		SB-04		SB-04		SB-05		
					Sample ID	442005-SB-03-0-2-010821		442005-SB-03-2-12-010821		442005-SB-04-0-2-011221		442005-SB-04-2-12-011221		442005-SB-04-10-11-011221		442005-SB-05-0-2-010521		
					Sample Date	1/8/2021		1/8/2021		1/12/2021		1/12/2021		1/12/2021		1/5/2021		
					Sample Type	N		N		N		N		N		N		
					Parent Sample Code													
					Sample Depth	0-0.17 ft		0.17-1 ft		0-0.17 ft		0.17-1 ft		10-11 ft		0-0.17 ft		
Chemical Name	**CAS No.**	**NYSDEC Unrestricted Guidance Values for Anticpated Site Use[1]**	**NYSDEC Industrial Guidance Values for Anticpated Site Use[1]**	**NYSDEC Protection of Groundwater Guidance Values for Anticpated Site Use[1]**	**Unit**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q	
Sulfonates																		
Perflourobutanesulfonic Acid (PFBS)	375-73-5	NC	NC	NC	ug/kg	0.21	U	0.24	U	0.24	U	0.27	U	0.23	U	0.26	U	
Perflourohexanesulfonic Acid (PFHxS)	355-46-4	NC	NC	NC	ug/kg	0.21	U	0.24	U	0.24	U	0.27	U	0.23	U	0.26	U	
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	NC	NC	NC	ug/kg	0.21	U	0.24	U	0.24	U	0.27	U	0.23	U	**0.11**	**J**	
Perflouroctane Sulfonic Acid (PFOS)	1763-23-1	0.88	440	1.1	ug/kg	**0.57**	**JH**	0.61	U	**1.4**	**JH**	**1**	**JH**	**1.1**	**JH**	**31**	**JH**	
Perfluorodecane Sulfonic Acid (PFDS)	335-77-3	NC	NC	NC	ug/kg	0.21	U	0.24	U	0.24	U	0.27	U	0.23	U	**0.1**	**J**	
Carboxlyates																		
Perfluorobutyric Acid (PFBA)	375-22-4	NC	NC	NC	ug/kg	**1.4**	**JH**	**0.39**	**JH**	**0.64**	**J**	**0.75**	**J**	**0.34**	**JH**	**0.55**	**JH**	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NC	NC	NC	ug/kg	**0.15**	**J**	0.24	U	**0.11**	**J**	0.27	U	0.23	U	**0.3**		
Perfluorohexanoic Acid (PFHxA)	307-24-4	NC	NC	NC	ug/kg	**0.1**	**J**	**0.052**	**J**	**0.058**	**J**	0.27	U	0.23	U	**0.33**		
Perfluoroheptanoic Acid (PFHpA)	375-85-9	NC	NC	NC	ug/kg	**0.1**	**J**	**0.085**	**J**	**0.086**	**J**	**0.059**	**J**	0.23	U	**0.43**		
Perfluorooctanoic Acid (PFOA)	335-67-1	0.66	600	3.7	ug/kg	**1.1**	**J**	**1.2**	**J**	**0.48**		**0.37**		**0.32**		**1.9**		
Perfluorononanoic Acid (PFNA)	375-95-1	NC	NC	NC	ug/kg	**0.14**	**J**	0.24	U	**0.2**	**J**	**0.083**	**J**	0.23	U	**0.87**	**J**	
Perfluorodecanoic Acid (PFDA)	335-76-2	NC	NC	NC	ug/kg	**0.088**	**J**	0.24	U	**0.19**	**J**	**0.074**	**J**	0.23	U	**0.53**		
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NC	NC	NC	ug/kg	**0.074**	**J**	0.24	UJ	**0.19**	**J**	0.27	U	0.23	U	**0.57**		
Perfluorododecanoic Acid (PFDoA)	307-55-1	NC	NC	NC	ug/kg	0.21	UT	0.24	U	**0.1**	**J**	0.27	U	0.23	U	**0.19**	**J**	
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	NC	NC	NC	ug/kg	0.21	U	0.24	UJ	0.24	U	0.27	U	0.23	U	**0.077**	**J**	
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NC	NC	NC	ug/kg	0.21	U	0.24	U	**0.067**	**J**	0.27	U	0.23	U	**0.075**	**J**	
Precursors																		
2-(N-Methyl Perfluorooctanesulfonamido) Acetic Acid (Me-PFOSA-AcOH)	2355-31-9	NC	NC	NC	ug/kg	2.1	U	2.4	U	2.4	U	2.7	U	2.3	U	**0.65**	**J**	
N-Ethyl-N-((Heptadecafluorooctyl)Sulphonyl) Glycine (N-EtFOSAA)	2991-50-6	NC	NC	NC	ug/kg	2.1	U	2.4	U	2.4	U	2.7	U	**0.54**	**J**	**1.5**	**J**	
Perflouroctane Sulfonamide (FOSA)	754-91-6	NC	NC	NC	ug/kg	0.21	U	0.24	U	0.24	U	0.27	U	**0.12**	**J**	**0.92**		
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2 FTS)	39108-34-4	NC	NC	NC	ug/kg	2.1	U	2.4	U	2.4	UJ	2.7	U	2.3	UJ	2.6	U	
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (6:2 FTS)	27619-97-2	NC	NC	NC	ug/kg	2.1	U	2.4	U	2.4	UJ	2.7	U	2.3	UJ	2.6	U	
Total Quantified PFAS		NC	NC	NC	ug/kg	3.722		1.727		3.521		2.336		2.1		40.102		

Notes:
1 - SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) Under NYSDEC's Part 375 Remedial Programs, Effective January 2021.

Bold	> Protection of Groundwater PFAS Guidance Criteria
	> Unrestricted Use PFAS Guidance Criteria
Bold	Detection

Acronyms

ug/kg - microgram per kilogram	N - normal
B - detected in blank	NC - no criteria listed
CAS - chemical abstract service	No. - number
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	SCO - soil cleanup objective
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation lir
JH - estimated biased high	UJ - estimated, undetected
PFAS - per- and polyfluoroalkyl substances	UT - matrix spike and/or matrix spike duplicate recovery exceed control limits, undetected
N - normal sample	

Table 4-1b
Soil Analytical Results - PFAS
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SB-05		SB-05		SB-06		SB-06		SB-06		SB-06	
					Sample ID	442005-SB-05-2-12-010521		442005-SB-05-24-26-010521		442005-SB-06-0-2-011121		442005-SB-06-2-12-011121		442005-SB-06-6.5-7.5-011221		442005-SB-906-2-12-011121	
					Sample Date	1/5/2021		1/5/2021		1/11/2021		1/11/2021		1/12/2021		1/11/2021	
					Sample Type	N		N		N		N		N		FD	
					Parent Sample Code											442005-SB-06-2-12-011121	
					Sample Depth	0.17-1 ft		24-26 ft		0-0.17 ft		0.17-1 ft		6.5-7.5 ft		0.17-1 ft	
Chemical Name	**CAS No.**	**NYSDEC Unrestricted Guidance Values for Anticpated Site Use[1]**	**NYSDEC Industrial Guidance Values for Anticpated Site Use[1]**	**NYSDEC Protection of Groundwater Guidance Values for Anticpated Site Use[1]**	**Unit**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q
Sulfonates																	
Perflourobutanesulfonic Acid (PFBS)	375-73-5	NC	NC	NC	ug/kg	0.25	U	0.21	U	0.21	U	0.21	U	0.26	U	0.21	U
Perflourohexanesulfonic Acid (PFHxS)	355-46-4	NC	NC	NC	ug/kg	0.25	U	0.21	U	0.21	U	0.21	U	0.26	U	0.21	U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	NC	NC	NC	ug/kg	**0.21**	**J**	0.21	U	0.21	U	0.21	U	0.26	U	**0.043**	**J**
Perflourooctane Sulfonic Acid (PFOS)	1763-23-1	0.88	440	1.1	ug/kg	**34**	**JH**	0.53	U	**3.6**	**J**	**9.4**	**J**	**5.4**	**J**	**14**	**J**
Perfluorodecane Sulfonic Acid (PFDS)	335-77-3	NC	NC	NC	ug/kg	**0.077**	**J**	0.21	U	**0.082**	**J**	**0.056**	**J**	0.26	U	0.21	U
Carboxlyates																	
Perfluorobutyric Acid (PFBA)	375-22-4	NC	NC	NC	ug/kg	**0.49**	**JH**	0.21	U	**0.32**	**JH**	**0.4**	**JH**	**0.43**	**JH**	0.21	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NC	NC	NC	ug/kg	**0.29**		0.21	U	0.21	U	**0.15**	**J**	**0.12**	**J**	**0.19**	**J**
Perfluorohexanoic Acid (PFHxA)	307-24-4	NC	NC	NC	ug/kg	**0.35**		0.21	U	0.21	U	**0.15**	**J**	**0.13**	**J**	**0.24**	
Perfluoroheptanoic Acid (PFHpA)	375-85-9	NC	NC	NC	ug/kg	**0.41**		0.21	U	**0.096**	**J**	**0.29**		**0.13**	**J**	**0.41**	
Perfluorooctanoic Acid (PFOA)	335-67-1	0.66	600	3.7	ug/kg	**2.4**	**J**	0.21	U	**0.28**		**0.49**		**0.54**		**0.78**	
Perfluorononanoic Acid (PFNA)	375-95-1	NC	NC	NC	ug/kg	**0.9**	**J**	0.21	UJ	**0.089**	**J**	**0.33**		**0.075**	**J**	**0.47**	
Perfluorodecanoic Acid (PFDA)	335-76-2	NC	NC	NC	ug/kg	**0.56**		0.21	U	**0.27**		**0.48**		**0.11**	**J**	**0.54**	
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NC	NC	NC	ug/kg	**0.43**		0.21	U	**0.34**		**0.29**		**0.094**	**J**	**0.27**	
Perfluorododecanoic Acid (PFDoA)	307-55-1	NC	NC	NC	ug/kg	**0.15**	**J**	0.21	U	**0.21**		**0.14**	**J**	0.26	U	**0.1**	**J**
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	NC	NC	NC	ug/kg	0.25	U	0.21	U	**0.09**	**J**	0.21	U	0.26	U	0.21	U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NC	NC	NC	ug/kg	**0.086**	**J**	0.21	U	**0.09**	**J**	**0.068**	**J**	0.26	U	**0.056**	**J**
Precursors																	
2-(N-Methyl Perfluorooctanesulfonamido) Acetic Acid (Me-PFOSA-AcOH)	2355-31-9	NC	NC	NC	ug/kg	2.5	U	2.1	U	2.1	U	2.1	U	2.6	U	2.1	U
N-Ethyl-N-((Heptadecafluorooctyl)Sulphonyl) Glycine (N-EtFOSAA)	2991-50-6	NC	NC	NC	ug/kg	**0.96**	**J**	2.1	U	**0.6**	**J**	**0.72**	**J**	**0.5**	**J**	**0.77**	**J**
Perfluorooctane Sulfonamide (FOSA)	754-91-6	NC	NC	NC	ug/kg	**0.76**		0.21	U	0.21	U	**0.25**		0.26	U	**0.29**	
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2 FTS)	39108-34-4	NC	NC	NC	ug/kg	2.5	U	2.1	U	**0.52**	**J**	**1.1**	**J**	2.6	UJ	**2**	**J**
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (6:2 FTS)	27619-97-2	NC	NC	NC	ug/kg	2.5	U	2.1	U	2.1	UJ	**0.17**	**J**	2.6	UJ	**0.26**	**J**
Total Quantified PFAS		NC	NC	NC	ug/kg	42.073				6.587		14.484		7.529		13.575	

Notes:
1 - SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) Under NYSDEC's Part 375 Remedial Programs, Effective January 2021.

Bold > Protection of Groundwater PFAS Guidance Criteria
> Unrestricted Use PFAS Guidance Criteria
Bold Detection

Acronyms

ug/kg - microgram per kilogram
B - detected in blank
CAS - chemical abstract service
FD - field duplicate
ft - feet
ID - identification
J - The analyte is an estimated quantity.
JH - estimated biased high
PFAS - per- and polyfluoroalkyl substances
N - normal sample
N - normal
NC - no criteria listed
No. - number
NYSDEC - New York State Department of Environmental Conservation
Q - qualifier
SCO - soil cleanup objective
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation lir
UJ - estimated, undetected
UT - matrix spike and/or matrix spike duplicate recovery exceed control limits, undetected

Table 4-1b
Soil Analytical Results - PFAS
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

				Location ID	SB-07		SB-07		SB-07	
				Sample ID	442005-SB-07-0-2-010621		442005-SB-07-11-13-010621		442005-SB-07-2-12-010621	
				Sample Date	1/6/2021		1/6/2021		1/6/2021	
				Sample Type	N		N		N	
				Parent Sample Code						
				Sample Depth	0-0.17 ft		11-13 ft		0.17-1 ft	
Chemical Name	**CAS No.**	**NYSDEC Unrestricted Guidance Values for Anticpated Site Use[1]**	**NYSDEC Industrial Guidance Values for Anticpated Site Use[1]**	**NYSDEC Protection of Groundwater Guidance Values for Anticpated Site Use[1]**	**Unit**	Result	Q	Resu t	Q	Result	Q
Sulfonates											
Perflourobutanesulfonic Acid (PFBS)	375-73-5	NC	NC	NC	ug/kg	0.26	U	0.26	U	0.23	U
Perflourohexanesulfonic Acid (PFHxS)	355-46-4	NC	NC	NC	ug/kg	0.26	U	0.26	U	0.23	U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	NC	NC	NC	ug/kg	0.26	U	0.26	U	0.23	U
Perflourooctane Sulfonic Acid (PFOS)	1763-23-1	0.88	440	1.1	ug/kg	**0.75**	**B**	0.64	U	0.58	U
Perfluorodecane Sulfonic Acid (PFDS)	335-77-3	NC	NC	NC	ug/kg	0.26	U	0.26	U	0.23	U
Carboxlyates											
Perfluorobutyric Acid (PFBA)	375-22-4	NC	NC	NC	ug/kg	**0.41**	**JH**	0.26	U	0.23	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NC	NC	NC	ug/kg	**0.15**	**J**	0.26	U	0.23	U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NC	NC	NC	ug/kg	**0.056**	**J**	0.26	U	0.23	U
Perfluoroheptanoic Acid (PFHpA)	375-85-9	NC	NC	NC	ug/kg	**0.059**	**J**	0.26	U	0.23	U
Perfluorooctanoic Acid (PFOA)	335-67-1	0.66	600	3.7	ug/kg	**0.29**		**0.21**	**J**	**0.55**	
Perfluorononanoic Acid (PFNA)	375-95-1	NC	NC	NC	ug/kg	**0.12**	**J**	0.26	UJ	**0.089**	**J**
Perfluorodecanoic Acid (PFDA)	335-76-2	NC	NC	NC	ug/kg	**0.14**	**J**	0.26	U	**0.098**	**J**
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NC	NC	NC	ug/kg	**0.33**		0.26	U	**0.16**	**J**
Perfluorododecanoic Acid (PFDoA)	307-55-1	NC	NC	NC	ug/kg	**0.11**	**J**	0.26	U	0.23	U
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	NC	NC	NC	ug/kg	**0.077**	**J**	0.26	U	0.23	U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NC	NC	NC	ug/kg	**0.081**	**J**	0.26	U	**0.059**	**J**
Precursors											
2-(N-Methyl Perfluorooctanesulfonamido) Acetic Acid (Me-PFOSA-AcOH)	2355-31-9	NC	NC	NC	ug/kg	2.6	U	2.6	U	2.3	U
N-Ethyl-N-((Heptadecafluorooctyl)Sulphonyl) Glycine (N-EtFOSAA)	2991-50-6	NC	NC	NC	ug/kg	2.6	U	2.6	U	2.3	U
Perflourooctane Sulfonamide (FOSA)	754-91-6	NC	NC	NC	ug/kg	0.26	U	0.26	U	0.23	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2 FTS)	39108-34-4	NC	NC	NC	ug/kg	2.6	UJ	2.6	UJ	2.3	UJ
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (6:2 FTS)	27619-97-2	NC	NC	NC	ug/kg	2.6	UJ	2.6	U	2.3	UJ
Total Quantified PFAS		NC	NC	NC	ug/kg	2.573		0.21		0.956	

Notes:
1 - SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) Under NYSDEC's Part 375 Remedial Programs, Effective January 2021.

Bold > Protection of Groundwater PFAS Guidance Criteria
> Unrestricted Use PFAS Guidance Criteria
Bold Detection

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PFAS - per- and polyfluoroalkyl substances
N - normal sample
N - normal
NC - no criteria listed
No. - number
NYSDEC - New York State Department of Environmental Conservation
Q - qualifier
SCO - soil cleanup objective
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation lir
UJ - estimated, undetected
UT - matrix spike and/or matrix spike duplicate recovery exceed control limits, undetected

Table 4-1b
Soil Analytical Results - PFAS
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

		Location ID	PZ-01		PZ-02		SB-03		SB-04		SB-05		SB-06		SB-06		SB-07	
		Sample ID	442005-PZ-01-2-12-010721		442005-PZ-02-2-12-010721		442005-SB-03-2-12-010821		442005-SB-04-2-12-011221		442005-SB-05-2-12-010521		442005-SB-06-2-12-011121		442005-SB-906-2-12-011121		442005-SB-07-2-12-010621	
		Sample Date	1/7/2021		1/7/2021		1/8/2021		1/12/2021		1/5/2021		1/11/2021		1/11/2021		1/6/2021	
		Sample Type	N		N		N		N		N		N		FD		N	
		Parent Sample Code													442005-SB-06-2-12-011121			
		Sample Depth	0.17-1 ft		0.17-1 ft		0.17-1 ft		0.17-1 ft		0.17-1 ft		0.17-1 ft		0.17-1 ft		0.17-1 ft	
Chemical Name[1]	**CAS No.**	**Unit**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
SPLP Sulfonates																		
Perflourobutanesulfonic Acid (PFBS)	375-73-5	ng/L	**0.81**	**J**	**0.61**	**J**	**0.27**	**J**	1.8	U	**0.3**	**J**	1.8	U	1.8	U	**0.24**	**J**
Perflourohexanesulfonic Acid (PFHxS)	355-46-4	ng/L	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	ng/L	1.8	U	**0.24**	**J**	1.9	U	1.8	U	**4.3**		1.8	U	1.8	U	1.8	U
Perflourooctane Sulfonic Acid (PFOS)	1763-23-1	ng/L	**11**		**18**		**5.5**	**JH**	**4.6**		**310**		**72**		**100**		**2.5**	
Perfluorodecane Sulfonic Acid (PFDS)	335-77-3	ng/L	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
SPLP Carboxylates																		
Perfluorobutyric Acid (PFBA)	375-22-4	ng/L	**4.4**	**J**	**8.6**		**29**		**8.9**		**2.4**	**J**	**4.3**	**J**	**5.6**		4.5	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/L	**1.6**	**J**	**2.7**		**3.3**		**1.1**	**J**	**2.8**		**5.5**		**5.6**		**0.55**	**J**
Perfluorohexanoic Acid (PFHxA)	307-24-4	ng/L	**1.8**		**3**		**3.5**		**0.69**	**J**	**6.6**		**5.2**		**5.8**		1.8	U
Perfluoroheptanoic Acid (PFHpA)	375-85-9	ng/L	**2.8**		**5.1**		**4.8**		**1.2**	**J**	**9.8**		**9**		**9.1**		**0.6**	**J**
Perfluorooctanoic Acid (PFOA)	335-67-1	ng/L	**39**		**62**		**65**	**J**	**6.9**		**79**		**8.4**		**8.4**		**2.7**	
Perfluorononanoic Acid (PFNA)	375-95-1	ng/L	**1.9**		**3**		**1.6**	**J**	**0.85**	**J**	**15**		**5.2**		**6.1**		**1**	**J**
Perfluorodecanoic Acid (PFDA)	335-76-2	ng/L	**0.34**	**J**	**0.8**	**J**	1.9	U	1.8	U	**1.1**	**J**	**2.8**		**3.7**		**0.58**	**J**
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/L	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	ng/L	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	ng/L	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	ng/L	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
SPLP Precursors																		
2-(N-Methyl Perfluorooctanesulfonamido) Acetic Acid (Me-PFOSA-AcOH)	2355-31-9	ng/L	4.6	U	4.9	U	4.7	U	4.4	U	4.6	U	4.4	U	4.6	U	4.5	U
N-Ethyl-N-((Heptadecafluorooctyl)Sulphonyl) Glycine (N-EtFOSAA)	2991-50-6	ng/L	4.6	U	4.9	U	4.7	U	4.4	U	4.6	U	**1.6**	**J**	4.6	U	4.5	U
Perflourooctane Sulfonamide (FOSA)	754-91-6	ng/L	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	**4.4**		**3.9**		1.8	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2 FTS)	39108-34-4	ng/L	1.8	U	1.9	UJ	1.9	U	1.8	U	1.8	U	**0.73**	**J**	**0.69**	**J**	1.8	UJ
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (6:2 FTS)	27619-97-2	ng/L	4.6	U	4.9	U	4.7	U	4.4	U	4.6	UJ	4.4	UJ	4.6	U	4.5	U

Notes:
1 - Results presented in this table represent leachate analyzed for PFAS from soil samples tested by Synthetic Precipitation Leaching Procedure (SPLP).

Bold Detection

Acronyms

ng/l - nanogram per liter
CAS - chemical abstract service
FD - field duplicate
ft - feet
ID - identification
J - The analyte is an estimated quantity.
JH - estimated biased high
PFAS - per- and polyfluoroalkyl substances
N - normal sample
No.- number
NC - no criteria listed
NYSDEC - New York State Department of Environmental Conservation
Q - qualifier
SPLP - Synthetic Precipitation Leaching Procedure
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
UJ - estimated, undetected

CDM Smith

Table 4-2a
Groundwater Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

			Location ID	MW-01		MW-02		MW-03		MW-03		MW-04		MW-05		MW-07		PZ-01		PZ-02	
			Sample ID	442005-MW-01-012721		442005-MW-02-012721		442005-MW-03-012721		442005-MW-903-012721		442005-MW-04-012721		442005-MW-05-012621		442005-MW-07-012621		442005-PZ-01-012621		442005-PZ-02-012621	
			Sample Date	1/27/2021		1/27/2021		1/27/2021		1/27/2021		1/27/2021		1/26/2021		1/26/2021		1/26/2021		1/26/2021	
			Sample Type	N		N		N		FD		N		N		N		N		N	
			Parent Sample Code							442005-MW-03-012721											
			Sample Depth	0-37.91 ft		0-14.85 ft		10-20 ft		10-20 ft		5-15 ft		17.5-27.5 ft		5-15 ft		0-4 ft		0-5 ft	
Chemical Name	**CAS No.**	**Unit**	**NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Groundwater[1]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,1,1-Trichloroethane	71-55-6	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	75-34-3	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethene	75-35-4	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/L	0.0006	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	78-87-5	ug/L	1	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Hexanone	591-78-6	ug/L	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	67-64-1	ug/L	50	10	U	10	U	10	U	10	U	10	U	10	U	**5.2**	**J**	10	U	10	U
Benzene	71-43-2	ug/L	1	1	U	1	U	**0.53**	**J**	**0.54**	**J**	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	75-27-4	ug/L	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	75-25-2	ug/L	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	74-83-9	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon Disulfide	75-15-0	ug/L	60	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon Tetrachloride	56-23-5	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	108-90-7	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	75-00-3	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	67-66-3	ug/L	7	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	74-87-3	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethylene	156-59-2	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	110-82-7	ug/L	NC	1	U	1	U	**0.38**	**J**	**0.42**	**J**	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	124-48-1	ug/L	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	75-71-8	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	100-41-4	ug/L	5	1	U	1	U	**7.4**		**7.3**		1	U	1	U	1	U	1	U	1	U
Isopropylbenzene (Cumene)	98-82-8	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl Acetate	79-20-9	ug/L	NC	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/L	50	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/L	NC	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Methylcyclohexane	108-87-2	ug/L	NC	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylene Chloride	75-09-2	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Styrene	100-42-5	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tert-Butyl Methyl Ether	1634-04-4	ug/L	10	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethylene (PCE)	127-18-4	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Toluene	108-88-3	ug/L	5	1	U	1	U	**1.1**		**0.98**	**J**	1	U	1	U	1	U	1	U	1	U
Trans-1,2-Dichloroethene	156-60-5	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethylene (TCE)	79-01-6	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichlorofluoromethane	75-69-4	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl Chloride	75-01-4	ug/L	2	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes	1330-20-7	ug/L	5	2	U	2	U	**4.8**		**4.5**		2	U	2	U	2	U	2	U	2	U

Notes:
1 - NYSDEC. June 1998. TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater EffluentLimitations. Includes April 2000 and June 2004 Addendum values.

	> NYSDEC TOGS 1.1.1
Bold	Detection

Acronyms

ug/L - microgram per liter	No. - number
CAS - chemical abstract service	NC - no criteria listed
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
J - The analyte is an estimated quantity.	UJ - estimated, undetected
N - normal sample	

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Table 4-2a
Groundwater Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

			Location ID	MW-01		MW-02		MW-03		MW-03		MW-04		MW-05		MW-07		PZ-01		PZ-02	
			Sample ID	442005-MW-01-012721		442005-MW-02-012721		442005-MW-03-012721		442005-MW-903-012721		442005-MW-04-012721		442005-MW-05-012621		442005-MW-07-012621		442005-PZ-01-012621		442005-PZ-02-012621	
			Sample Date	1/27/2021		1/27/2021		1/27/2021		1/27/2021		1/27/2021		1/26/2021		1/26/2021		1/26/2021		1/26/2021	
			Sample Type	N		N		N		FD		N		N		N		N		N	
			Parent Sample Code							442005-MW-03-012721											
			Sample Depth	0-37.91 ft		0-14.85 ft		10-20 ft		10-20 ft		5-15 ft		17.5-27.5 ft		5-15 ft		0-4 ft		0-5 ft	
Chemical Name	**CAS No.**	**Unit**	**NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Groundwater[1]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,4-Dioxane (P-Dioxane)	123-91-1	ug/L	NC	**0.15**	**J**	0.2	U	**0.4**		**0.4**		0.2	U	**0.58**		0.2	U	0.22	U	0.2	U
2,4,5-Trichlorophenol	95-95-4	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
2,4,6-Trichlorophenol	88-06-2	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
2,4-Dichlorophenol	120-83-2	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
2,4-Dimethylphenol	105-67-9	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
2,4-Dinitrophenol	51-28-5	ug/L	1	10	U	10	U	10	U	50	U	10	U	10	U	10	U	10	U	10	U
2,4-Dinitrotoluene	121-14-2	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
2,6-Dinitrotoluene	606-20-2	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
2-Chloronaphthalene	91-58-7	ug/L	1	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
2-Chlorophenol	95-57-8	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
2-Methylnaphthalene	91-57-6	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
2-Methylphenol (O-Cresol)	95-48-7	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
2-Nitroaniline	88-74-4	ug/L	5	10	U	10	U	10	U	50	U	10	U	10	U	10	U	10	U	10	U
2-Nitrophenol	88-75-5	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
3,3'-Dichlorobenzidine	91-94-1	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
3-Nitroaniline	99-09-2	ug/L	5	10	U	10	U	10	U	50	U	10	U	10	U	10	U	10	U	10	U
4,6-Dinitro-2-Methylphenol	534-52-1	ug/L	NC	10	U	10	U	10	U	50	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl Phenyl Ether	101-55-3	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
4-Chloro-3-Methylphenol	59-50-7	ug/L	NC	5.2	UJ	5	UJ	5	UJ	25	UJ	5	UJ	5	UJ	5.2	UJ	5.2	UJ	5	UJ
4-Chloroaniline	106-47-8	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
4-Methylphenol (P-Cresol)	106-44-5	ug/L	NC	10	U	10	U	**6.9**	**J**	**5.6**	**J**	10	U	10	U	10	U	10	U	10	U
4-Nitroaniline	100-01-6	ug/L	5	10	U	10	U	10	U	50	U	10	U	10	U	10	U	10	U	10	U
4-Nitrophenol	100-02-7	ug/L	NC	10	U	10	U	10	U	50	U	10	U	10	U	10	U	10	U	10	U
Acenaphthene	83-32-9	ug/L	2	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Acenaphthylene	208-96-8	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Acetophenone	98-86-2	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Anthracene	120-12-7	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Atrazine	1912-24-9	ug/L	7.5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Benzaldehyde	100-52-7	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Benzo(A)Anthracene	56-55-3	ug/L	0.002	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Benzo(A)Pyrene	50-32-8	ug/L	ND	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Benzo(B)Fluoranthene	205-99-2	ug/L	0.002	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Benzo(G,H,I)Perylene	191-24-2	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Benzo(K)Fluoranthene	207-08-9	ug/L	0.002	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Benzyl Butyl Phthalate	85-68-7	ug/L	5	5.2	U	5	U	**2.3**	**J**	**5.1**	**J**	5	U	5	U	5.2	U	5.2	U	5	U
Biphenyl (Diphenyl)	92-52-4	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Bis(2-Chloroethoxy) Methane	111-91-1	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/L	1	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Bis(2-Chloroisopropyl) Ether	108-60-1	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Caprolactam	105-60-2	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Carbazole	86-74-8	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Chrysene	218-01-9	ug/L	0.002	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Dibenz(A,H)Anthracene	53-70-3	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Dibenzofuran	132-64-9	ug/L	NC	10	U	10	U	10	U	50	U	10	U	10	U	10	U	10	U	10	U
Diethyl Phthalate	84-66-2	ug/L	5	5.2	U	5	U	**1.9**	**J**	**1.8**	**J**	5	U	5	U	5.2	U	5.2	U	5	U
Dimethyl Phthalate	131-11-3	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Di-N-Butyl Phthalate	84-74-2	ug/L	50	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Di-N-Octylphthalate	117-84-0	ug/L	50	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Fluoranthene	206-44-0	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Fluorene	86-73-7	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Hexachlorobenzene	118-74-1	ug/L	0.04	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Hexachlorobutadiene	87-68-3	ug/L	0.5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Hexachlorocyclopentadiene	77-47-4	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Hexachloroethane	67-72-1	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/L	0.002	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Isophorone	78-59-1	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Naphthalene	91-20-3	ug/L	1	5.2	U	5	U	**0.99**	**J**	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Nitrobenzene	98-95-3	ug/L	0.4	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
N-Nitrosodi-N-Propylamine	621-64-7	ug/L	NC	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
N-Nitrosodiphenylamine	86-30-6	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Pentachlorophenol	87-86-5	ug/L	1	10	UJ	10	UJ	10	UJ	50	UJ	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Phenanthrene	85-01-8	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Phenol	108-95-2	ug/L	1	5.2	U	5	U	**0.68**	**J**	25	U	5	U	5	U	5.2	U	5.2	U	5	U
Pyrene	129-00-0	ug/L	5	5.2	U	5	U	5	U	25	U	5	U	5	U	5.2	U	5.2	U	5	U

Notes:
1 - NYSDEC. June 1998. TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater EffluentLimitations. Includes April 2000 and June 2004 Addendum values.

> NYSDEC TOGS 1.1.1

Bold Detection

Acronyms

ug/L - microgram per liter
CAS - chemical abstract service
FD - field duplicate
ft - feet
ID - identification
J - The analyte is an estimated quantity.
N - normal sample
No. - number
NC - no criteria listed
NYSDEC - New York State Department of Environmental Conservation
Q - qualifier
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
UJ - estimated, undetected

CDM Smith

Table 4-2a
Groundwater Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

			Location ID	MW-01		MW-02		MW-03		MW-03		MW-04		MW-05		MW-07		PZ-01		PZ-02	
			Sample ID	442005-MW-01-012721		442005-MW-02-012721		442005-MW-03-012721		442005-MW-903-012721		442005-MW-04-012721		442005-MW-05-012621		442005-MW-07-012621		442005-PZ-01-012621		442005-PZ-02-012621	
			Sample Date	1/27/2021		1/27/2021		1/27/2021		1/27/2021		1/27/2021		1/26/2021		1/26/2021		1/26/2021		1/26/2021	
			Sample Type	N		N		N		FD		N		N		N		N		N	
			Parent Sample Code							442005-MW-03-012721											
			Sample Depth	0-37.91 ft		0-14.85 ft		10-20 ft		10-20 ft		5-15 ft		17.5-27.5 ft		5-15 ft		0-4 ft		0-5 ft	
Chemical Name	**CAS No.**	**Unit**	**NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Groundwater[1]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aldrin	309-00-2	ug/L	ND	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/L	0.01	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Alpha Endosulfan	959-98-8	ug/L	NC	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/L	0.04	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Beta Endosulfan	33213-65-9	ug/L	NC	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
cis-Chlordane	5103-71-9	ug/L	0.05	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/L	0.04	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Dieldrin	60-57-1	ug/L	0.004	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Endosulfan Sulfate	1031-07-8	ug/L	NC	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Endrin	72-20-8	ug/L	NC	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Endrin Aldehyde	7421-93-4	ug/L	5	**0.044**	**J**	0.05	U	**0.15**	**J**	**0.15**	**J**	**0.041**	**J**	0.05	U	0.052	U	0.05	U	0.05	U
Endrin Ketone	53494-70-5	ug/L	5	0.054	U	0.05	U	0.05	U	**0.028**	**J**	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Gamma Bhc (Lindane)	58-89-9	ug/L	0.05	0.054	U	0.05	U	0.05	U	**0.016**	**J**	0.05	U	0.05	U	0.052	U	**0.012**	**J**	0.05	U
Heptachlor	76-44-8	ug/L	0.04	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Heptachlor Epoxide	1024-57-3	ug/L	0.03	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Methoxychlor	72-43-5	ug/L	35	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
P,P'-DDD	72-54-8	ug/L	0.3	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
P,P'-DDE	72-55-9	ug/L	0.2	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
P,P'-DDT	50-29-3	ug/L	0.2	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U
Toxaphene	8001-35-2	ug/L	0.06	0.54	U	0.5	U	0.5	U	0.53	U	0.5	U	0.5	U	0.52	U	0.5	U	0.5	U
trans-Chlordane	5103-74-2	ug/L	0.05	0.054	U	0.05	U	0.05	U	0.053	U	0.05	U	0.05	U	0.052	U	0.05	U	0.05	U

Notes:
1 - NYSDEC. June 1998. TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Includes April 2000 and June 2004 Addendum values.

Bold Detection

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ug/L - microgram per liter
CAS - chemical abstract service
FD - field duplicate
ft - feet
ID - identification
J - The analyte is an estimated quantity.
N - normal sample
No. - number
NC - no criteria listed
NYSDEC - New York State Department of Environmental Conservation
Q - qualifier
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.

Table 4-2a
Groundwater Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

			Location ID	MW-01		MW-02		MW-03		MW-03		MW-04		MW-05		MW-07		PZ-01		PZ-02	
			Sample ID	442005-MW-01-012721		442005-MW-02-012721		442005-MW-03-012721		442005-MW-903-012721		442005-MW-04-012721		442005-MW-05-012621		442005-MW-07-012621		442005-PZ-01-012621		442005-PZ-02-012621	
			Sample Date	1/27/2021		1/27/2021		1/27/2021		1/27/2021		1/27/2021		1/26/2021		1/26/2021		1/26/2021		1/26/2021	
			Sample Type	N		N		N		FD		N		N		N		N		N	
			Parent Sample Code							442005-MW-03-012721											
			Sample Depth	0-37.91 ft		0-14.85 ft		10-20 ft		10-20 ft		5-15 ft		17.5-27.5 ft		5-15 ft		0-4 ft		0-5 ft	
Chemical Name	**CAS No.**	**Unit**	**NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Groundwater[1]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
PCB-1016 (Aroclor 1016)	12674-11-2	ug/L	0.09	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
PCB-1221 (Aroclor 1221)	11104-28-2	ug/L	0.09	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
PCB-1232 (Aroclor 1232)	11141-16-5	ug/L	0.09	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
PCB-1242 (Aroclor 1242)	53469-21-9	ug/L	0.09	0.5	U	0.5	U	0.5	U	0.5	U	**1.2**		0.5	U	0.5	U	0.5	U	0.5	U
PCB-1248 (Aroclor 1248)	12672-29-6	ug/L	0.09	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
PCB-1254 (Aroclor 1254)	11097-69-1	ug/L	0.09	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
PCB-1260 (Aroclor 1260)	11096-82-5	ug/L	0.09	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Notes:
1 - NYSDEC. June 1998. TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Includes April 2000 and June 2004 Addendum values.

	> NYSDEC TOGS 1.1.1
Bold	Detection

Acronyms

ug/L - microgram per liter	No. - number
CAS - chemical abstract service	NC - no criteria listed
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	PCB - polychlorinated biphenyl
ID - identification	Q - qualifier
N - normal sample	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.

CDM Smith

Table 4-2a
Groundwater Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

			Location ID	MW-01		MW-02		MW-03		MW-03		MW-04		MW-05		MW-07		PZ-01		PZ-02	
			Sample ID	442005-MW-01-012721		442005-MW-02-012721		442005-MW-03-012721		442005-MW-903-012721		442005-MW-04-012721		442005-MW-05-012621		442005-MW-07-012621		442005-PZ-01-012621		442005-PZ-02-012621	
			Sample Date	1/27/2021		1/27/2021		1/27/2021		1/27/2021		1/27/2021		1/26/2021		1/26/2021		1/26/2021		1/26/2021	
			Sample Type	N		N		N		FD		N		N		N		N		N	
			Parent Sample Code							442005-MW-03-012721											
			Sample Depth	0-37.91 ft		0-14.85 ft		10-20 ft		10-20 ft		5-15 ft		17.5-27.5 ft		5-15 ft		0-4 ft		0-5 ft	
Chemical Name	**CAS No.**	**Unit**	**NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Groundwater[1]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum	7429-90-5	mg/L	NC	**0.73**	**J**	**0.49**	**J**	**1.7**	**J**	**1.1**	**J**	**0.14**	**J**	**0.088**	**J**	**0.61**	**J**	**0.093**	**J**	**0.14**	**J**
Antimony	7440-36-0	mg/L	0.003	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Arsenic	7440-38-2	mg/L	0.025	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U
Barium	7440-39-3	mg/L	1	**0.04**	**JH**	**0.021**	**JH**	**0.68**	**JH**	**0.68**	**JH**	**0.059**	**JH**	**0.4**	**JH**	**0.15**	**JH**	**0.13**	**JH**	**0.064**	**JH**
Beryllium	7440-41-7	mg/L	0.003	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U
Cadmium	7440-43-9	mg/L	0.005	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U
Calcium	7440-70-2	mg/L	NC	**84.3**		**48.1**		**108**		**108**		**57.8**		**127**		**126**		**50**		**188**	
Chromium, Total	7440-47-3	mg/L	0.05	**0.0014**	**J**	**0.0012**	**J**	**0.0035**	**J**	**0.0027**	**J**	**0.0011**	**J**	**0.0011**	**JH**	**0.0018**	**JH**	0.004	U	**0.001**	**JH**
Cobalt	7440-48-4	mg/L	NC	**0.00073**	**J**	**0.00078**	**J**	**0.0074**		**0.0069**		**0.00098**	**J**	**0.0015**	**J**	**0.003**	**J**	**0.0042**	**J**	**0.0039**	**J**
Copper	7440-50-8	mg/L	0.2	**0.002**	**J**	**0.0018**	**J**	**0.004**	**J**	**0.0031**	**J**	**0.0024**	**J**	0.01	U	**0.016**		0.01	U	**0.0025**	**J**
Iron	7439-89-6	mg/L	0.3	**0.69**	**J**	**0.99**	**JH**	**93.3**	**JH**	**91.4**	**JH**	**0.23**	**JH**	**3.8**	**JH**	**2.3**	**J**	**3.3**	**JH**	**7**	**JH**
Lead	7439-92-1	mg/L	0.025	0.01	U	0.01	U	**0.0056**	**J**	**0.0042**	**J**	0.01	U	0.01	U	**0.01**	**T**	0.01	U	0.01	U
Magnesium	7439-95-4	mg/L	35	**32.3**		**13.2**		**28.4**		**28.1**		**14.9**		**44.4**		**18.4**		**12**		**58.8**	
Manganese	7439-96-5	mg/L	0.3	**0.35**	**JH**	**0.8**	**JH**	**1.7**	**JH**	**1.7**	**JH**	**0.28**	**JH**	**1.5**	**JH**	**1.2**	**JH**	**2.7**	**JH**	**4.1**	**JH**
Mercury	7439-97-6	mg/L	0.0007	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Nickel	7440-02-0	mg/L	0.1	0.01	U	0.01	U	**0.021**		**0.02**		**0.0015**	**J**	**0.014**		**0.0028**	**J**	**0.0019**	**J**	**0.004**	**J**
Potassium	7440-09-7	mg/L	NC	**0.58**	**J**	**0.79**	**J**	**3.3**	**J**	**3.2**	**J**	**2.1**	**J**	**9.2**	**J**	**3.3**	**J**	**2.3**	**J**	**0.41**	**J**
Selenium	7782-49-2	mg/L	0.01	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Silver	7440-22-4	mg/L	0.05	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U
Sodium	7440-23-5	mg/L	20	**14.5**		**7.9**		**7**		**6.9**		**11.3**		**86.6**		**9.4**		**36.2**		**85.3**	
Thallium	7440-28-0	mg/L	0.0005	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Vanadium	7440-62-2	mg/L	NC	0.005	U	0.005	U	**0.015**		**0.014**		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Zinc	7440-66-6	mg/L	2	**0.003**	**J**	**0.0035**	**J**	**0.038**		**0.034**		**0.0078**	**J**	**0.0027**	**J**	**0.014**		**0.0079**	**J**	**0.0024**	**J**
Cyanide	57-12-5	mg/L	0.2	0.01	U	**0.0055**	**J**	0.01	U	0.01	U	0.01	U	0.01	U	**0.0072**	**J**	0.01	U	**0.0072**	**J**

Notes:
1 - NYSDEC. June 1998. TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Includes April 2000 and June 2004 Addendum values.

	> NYSDEC TOGS 1.1.1
Bold	Detection

Acronyms

mg/L - milligram per liter	No. - number
CAS - chemical abstract service	NC - no criteria listed
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ft - feet	Q - qualifier
ID - identification	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
J - The analyte is an estimated quantity.	UJ - estimated, undetected
JH - estimated biased high	T - matrix spike and/or matrix spike duplicate exceeds control limits
N - normal sample	

Table 4-2b
Groundwater Analytical Results - PFAS
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

			Location ID	MW-01		MW-02		MW-03		MW-03		MW-04		MW-05		MW-07		PZ-01		PZ-02	
			Sample ID	442005-MW-01-012721		442005-MW-02-012721		442005-MW-03-012721		442005-MW-903-012721		442005-MW-04-012721		442005-MW-05-012621		442005-MW-07-012621		442005-PZ-01-012621		442005-PZ-02-012621	
			Sample Date	1/27/2021		1/27/2021		1/27/2021		1/27/2021		1/27/2021		1/26/2021		1/26/2021		1/26/2021		1/26/2021	
			Sample Type	N		N		N		FD		N		N		N		N		N	
			Parent Sample Code							442005-MW-03-012721											
			Top of Screen	0		0		10		10		5		17.5		5		0		0	
			Bottom of Screen	37.91		14.85		20		20		15		27.5		15		4		5	
			Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
Chemical Name	**CAS No.**	**Unit**	**NYSDEC PFAS Criteria[1]**	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q
Sulfonates																					
Perflourobutanesulfonic Acid (PFBS)	375-73-5	ng/L	NC	**2.4**		**0.63**	**J**	**2.8**	**J**	18	U	**1.1**	**J**	1.8	UJ	**3.2**		**4.6**		**14**	**J**
Perflourohexanesulfonic Acid (PFHxS)	355-46-4	ng/L	NC	**4.7**		**2.4**		**8.8**	**J**	**8.2**	**J**	**0.94**	**J**	**8.9**		**3.5**		**1.3**	**J**	**24**	
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	ng/L	NC	**0.55**	**J**	**0.43**	**J**	19	U	18	U	2	U	**0.61**	**J**	**0.74**	**J**	**0.2**	**J**	**6.8**	**J**
Perflourooctane Sulfonic Acid (PFOS)	1763-23-1	ng/L	10	**28**		**15**		**46**		**50**		**12**		**44**		**47**		**12**		**260**	
Perfluorodecane Sulfonic Acid (PFDS)	335-77-3	ng/L	NC	1.8	U	1.9	U	19	U	18	U	2	U	1.8	U	1.8	U	1.9	U	18	U
Carboxylates																					
Perfluorobutyric Acid (PFBA)	375-22-4	ng/L	NC	**30**		**8.4**		**98**		**99**		**2.8**	**J**	**36**		**9.4**		**14**		**69**	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/L	NC	**5.3**	**J**	**2.5**		**17**	**J**	**18**		**1**	**J**	**62**	**J**	**9.2**	**J**	**7.2**	**J**	**41**	
Perfluorohexanoic Acid (PFHxA)	307-24-4	ng/L	NC	**8.4**		**3.2**		**22**		**24**		**1.4**	**J**	**100**		**11**		**9.1**		**70**	
Perfluoroheptanoic Acid (PFHpA)	375-85-9	ng/L	NC	**10**		**4.2**		**28**		**27**		**1.6**	**J**	**74**		**13**		**8.7**		**110**	
Perfluorooctanoic Acid (PFOA)	335-67-1	ng/L	10	**120**		**27**		**200**		**190**		**27**		**330**		**110**		**110**		**770**	
Perfluorononanoic Acid (PFNA)	375-95-1	ng/L	NC	**0.55**	**J**	1.9	U	19	U	**3.2**	**J**	**0.31**	**J**	**5**		**2.4**		**1.5**	**J**	**5.9**	**J**
Perfluorodecanoic Acid (PFDA)	335-76-2	ng/L	NC	1.8	U	1.9	U	19	U	18	U	2	U	1.8	U	**0.48**	**J**	**0.34**	**J**	18	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/L	NC	1.8	U	1.9	U	19	U	18	U	2	U	1.8	U	1.8	U	1.9	U	18	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	ng/L	NC	1.8	U	1.9	U	19	U	18	U	2	U	1.8	U	1.8	U	1.9	U	18	U
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	ng/L	NC	1.8	U	1.9	U	19	U	18	U	2	U	1.8	U	1.8	U	1.9	U	18	U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	ng/L	NC	1.8	U	1.9	U	19	U	18	U	2	U	1.8	U	1.8	U	1.9	U	18	U
Precursors																					
2-(N-Methyl Perfluorooctanesulfonamido) Acetic Acid (Me-PFOSA-AcOH)	2355-31-9	ng/L	NC	4.6	U	4.6	U	47	U	46	U	5	U	4.6	U	4.5	U	4.6	U	45	U
N-Ethyl-N-((Heptadecafluorooctyl)Sulphonyl) Glycine (N-EtFOSAA)	2991-50-6	ng/L	NC	4.6	U	4.6	U	**38**	**J**	**38**	**J**	5	U	4.6	U	4.5	U	4.6	U	45	U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	ng/L	NC	1.8	U	1.9	U	19	U	18	U	2	U	1.8	U	1.8	U	1.9	U	18	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2 FTS)	39108-34-4	ng/L	NC	1.8	U	1.9	U	19	U	18	U	2	U	1.8	U	1.8	U	1.9	U	18	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (6:2 FTS)	27619-97-2	ng/L	NC	4.6	U	4.6	UJ	47	UJ	46	UJ	2	U	**3.5**	**J**	4.5	U	4.6	U	45	U
Total Quantified PFAS		ng/L	NC	**209.9**		**63.76**		**460.6**		**457.4**		**48.15**		**664.01**		**209.92**		**168.94**		**1370.7**	

Notes:
1 - NYSDEC. January 2021. Guidelines for Sampling and Analysis of PFAS, NYSDEC Under NYDEC's Part 375 Remedial Programs

	> NYSDEC PFAS Criteria
Bold	Detection

Acronyms

ng/L - nanogram per liter	N - normal sample
CAS - chemical abstract service	No. - number
FD - field duplicate	NC - no criteria listed
ft - feet	NYSDEC - New York State Department of Environmental Conservation
ID - identification	Q - qualifier
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
PFAS - per- and polyfluoroalkyl substances	UJ - estimated, undetected

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Table 4-4b
Sediment Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SED-01		SED-02		SED-03		SED-03		SED-04	
					Sample ID	442005-SED-01-012721		442005-SED-02-012721		442005-SED-03-011321		442005-SED-903-011321		442005-SED-04-011321	
					Sample Date	1/27/2021		1/27/2021		1/13/2021		1/13/2021		1/13/2021	
					Sample Type	N		N		N		FD		N	
					Parent Sample Code							442005-SED-03-011321			
Chemical Name	**CAS No.**	**Unit**	**Class A Freshwater Sediment Guidance Value**	**Class B Freshwater Sediment Guidance Value**	**Class C Freshwater Sediment Guidance Value**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q
1,1,1-Trichloroethane	71-55-6	ug/kg	<1,900	1,900-3,500	>3,500	8.5	U	9.3	U	7.2	U	7.3	U	15	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	<2,800	2,800-5,400	>5,400	8.5	UT	9.3	U	7.2	U	7.3	U	15	UT
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/kg	NC	NC	NC	8.5	U	9.3	UJ	7.2	U	7.3	U	15	U
1,1,2-Trichloroethane	79-00-5	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
1,1-Dichloroethane	75-34-3	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
1,1-Dichloroethene	75-35-4	ug/kg	<520	>55,000	>4,700	8.5	U	9.3	U	7.2	U	7.3	U	15	U
1,2,4-Trichlorobenzene	120-82-1	ug/kg	<35,000	35,000-55,000	>55,000	8.5	UT	9.3	U	7.2	U	7.3	U	15	UT
1,2-Dibromo-3-Chloropropane	96-12-8	ug/kg	NC	NC	NC	8.5	UT	9.3	U	7.2	U	7.3	U	15	UT
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
1,2-Dichlorobenzene	95-50-1	ug/kg	<280	280-2,500	>2,500	8.5	UT	9.3	U	7.2	U	7.3	U	15	UT
1,2-Dichloroethane	107-06-2	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
1,2-Dichloropropane	78-87-5	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
1,3-Dichlorobenzene	541-73-1	ug/kg	<1,800	1,800-7,100	>7,100	8.5	UT	9.3	U	7.2	U	7.3	U	15	UT
1,4-Dichlorobenzene	106-46-7	ug/kg	<720	720-3,300	>3,300	8.5	UT	9.3	U	7.2	U	7.3	U	15	UT
2-Hexanone	591-78-6	ug/kg	NC	NC	NC	42	U	47	U	36	U	36	U	75	U
Acetone	67-64-1	ug/kg	NC	NC	NC	**89**		**170**	**JL**	36	U	36	U	75	U
Benzene	71-43-2	ug/kg	<530	530-1,900	>1,900	**2.2**	**JL**	9.3	U	7.2	U	7.3	U	15	U
Bromodichloromethane	75-27-4	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Bromoform	75-25-2	ug/kg	NC	NC	NC	8.5	UJ	9.3	U	7.2	U	7.3	U	15	U
Bromomethane	74-83-9	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Carbon Disulfide	75-15-0	ug/kg	NC	NC	NC	**12**	**JL**	**15**	**JL**	7.2	U	7.3	U	15	U
Carbon Tetrachloride	56-23-5	ug/kg	<1,070	1,070-9,600	>9,600	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Chlorobenzene	108-90-7	ug/kg	<200	200-1,700	>1,700	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Chloroethane	75-00-3	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Chloroform	67-66-3	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Chloromethane	74-87-3	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Cis-1,2-Dichloroethylene	156-59-2	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Cis-1,3-Dichloropropene	10061-01-5	ug/kg	NC	NC	NC	8.5	UJ	9.3	UJ	7.2	UJ	7.3	UJ	15	U
Cyclohexane	110-82-7	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Dibromochloromethane	124-48-1	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Dichlorodifluoromethane	75-71-8	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Ethylbenzene	100-41-4	ug/kg	430	430-3,700	>3,700	**0.79**	**JL**	9.3	U	7.2	U	7.3	U	15	U
Isopropylbenzene (Cumene)	98-82-8	ug/kg	<210	210-1,800	>1,800	**2**	**JL**	9.3	U	7.2	U	7.3	U	15	UT
Methyl Acetate	79-20-9	ug/kg	NC	NC	NC	42	U	47	U	36	U	36	U	75	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/kg	NC	NC	NC	**12**	**JL**	**28**	**JL**	36	U	36	U	75	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/kg	NC	NC	NC	42	U	47	U	36	U	36	U	75	U
Methylcyclohexane	108-87-2	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Methylene Chloride	75-09-2	ug/kg	NC	NC	NC	8.5	U	9.3	U	**5.7**	**JL**	7.3	U	15	U
Styrene	100-42-5	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Tert-Butyl Methyl Ether	1634-04-4	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Tetrachloroethylene (PCE)	127-18-4	ug/kg	<16,000	16,000-57,000	>57,000	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Toluene	108-88-3	ug/kg	<930	930-4,500	>4,500	**1.9**	**JL**	9.3	U	7.2	U	7.3	U	15	U
Trans-1,2-Dichloroethene	156-60-5	ug/kg				8.5	U	9.3	U	7.2	U	7.3	U	15	U
Trans-1,3-Dichloropropene	10061-02-6	ug/kg	NC	NC	NC	8.5	UJ	9.3	UJ	7.2	U	7.3	U	15	U
Trichloroethylene (TCE)	79-01-6	ug/kg	<1,800	1,800-8,600	>8,600	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Trichlorofluoromethane	75-69-4	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Vinyl Chloride	75-01-4	ug/kg	NC	NC	NC	8.5	U	9.3	U	7.2	U	7.3	U	15	U
Xylenes	1330-20-7	ug/kg	<590	590-5,200	>5,200	**2**	**JL**	19	U	14	U	15	U	30	U

Notes:
1- Sediment results compared to guidance values obtained from the NYSDEC Division of Fish, Wildlife and Marine Resources Bureau of Habitat Screening and Assessment of Contaminated Sediment (June 24, 2014).

Bold Detection

Acronyms

ug/kg - microgram per kilogram
CAS - chemical abstract service
FD - field duplicate
ID - identification
J - The analyte is an estimated quantity.
JL - estimated biased low
N - normal sample
NC - no criteria listed
NYSDEC - New York State Department of Environmental Conservation
SCO - soil cleanup objective
Q - qualifier
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
UJ - estimated, undetected
UT - matrix spike and/or matrix spike duplicate recovery exceeds control limits, undetected

CDM Smith

Table 4-4b
Sediment Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SED-07		SED-09	
					Sample ID	442005-SED-07-011321		442005-SED-09-011321	
					Sample Date	1/13/2021		1/13/2021	
					Sample Type	N		N	
					Parent Sample Code				
Chemical Name	**CAS No.**	**Unit**	**Class A Freshwater Sediment Guidance Value**	**Class B Freshwater Sediment Guidance Value**	**Class C Freshwater Sediment Guidance Value**	Result	Q	Resu t	Q
1,1,1-Trichloroethane	71-55-6	ug/kg	<1,900	1,900-3,500	>3,500	9.8	U	7.2	UT
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	<2,800	2,800-5,400	>5,400	9.8	U	7.2	UT
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/kg	NC	NC	NC	9.8	U	7.2	UT
1,1,2-Trichloroethane	79-00-5	ug/kg	NC	NC	NC	9.8	U	7.2	UT
1,1-Dichloroethane	75-34-3	ug/kg	NC	NC	NC	9.8	U	7.2	U
1,1-Dichloroethene	75-35-4	ug/kg	<520	>55,000	>4,700	9.8	U	7.2	U
1,2,4-Trichlorobenzene	120-82-1	ug/kg	<35,000	35,000-55,000	>55,000	9.8	U	7.2	UT
1,2-Dibromo-3-Chloropropane	96-12-8	ug/kg	NC	NC	NC	9.8	U	7.2	UT
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/kg	NC	NC	NC	9.8	U	7.2	UT
1,2-Dichlorobenzene	95-50-1	ug/kg	<280	280-2,500	>2,500	9.8	U	7.2	UT
1,2-Dichloroethane	107-06-2	ug/kg	NC	NC	NC	9.8	U	7.2	U
1,2-Dichloropropane	78-87-5	ug/kg	NC	NC	NC	9.8	U	7.2	U
1,3-Dichlorobenzene	541-73-1	ug/kg	<1,800	1,800-7,100	>7,100	9.8	U	7.2	U
1,4-Dichlorobenzene	106-46-7	ug/kg	<720	720-3,300	>3,300	9.8	U	7.2	U
2-Hexanone	591-78-6	ug/kg	NC	NC	NC	49	U	36	U
Acetone	67-64-1	ug/kg	NC	NC	NC	49	U	36	UT
Benzene	71-43-2	ug/kg	<530	530-1,900	>1,900	9.8	U	7.2	U
Bromodichloromethane	75-27-4	ug/kg	NC	NC	NC	9.8	U	7.2	U
Bromoform	75-25-2	ug/kg	NC	NC	NC	9.8	U	7.2	U
Bromomethane	74-83-9	ug/kg	NC	NC	NC	9.8	U	7.2	U
Carbon Disulfide	75-15-0	ug/kg	NC	NC	NC	9.8	U	7.2	UT
Carbon Tetrachloride	56-23-5	ug/kg	<1,070	1,070-9,600	>9,600	9.8	U	7.2	UT
Chlorobenzene	108-90-7	ug/kg	<200	200-1,700	>1,700	9.8	U	7.2	U
Chloroethane	75-00-3	ug/kg	NC	NC	NC	9.8	U	7.2	U
Chloroform	67-66-3	ug/kg	NC	NC	NC	9.8	U	7.2	UT
Chloromethane	74-87-3	ug/kg	NC	NC	NC	9.8	U	7.2	U
Cis-1,2-Dichloroethylene	156-59-2	ug/kg	NC	NC	NC	9.8	U	7.2	UT
Cis-1,3-Dichloropropene	10061-01-5	ug/kg	NC	NC	NC	9.8	UJ	7.2	UJ
Cyclohexane	110-82-7	ug/kg	NC	NC	NC	9.8	U	7.2	UT
Dibromochloromethane	124-48-1	ug/kg	NC	NC	NC	9.8	U	7.2	U
Dichlorodifluoromethane	75-71-8	ug/kg	NC	NC	NC	9.8	U	7.2	U
Ethylbenzene	100-41-4	ug/kg	430	430-3,700	>3,700	9.8	U	7.2	U
Isopropylbenzene (Cumene)	98-82-8	ug/kg	<210	210-1,800	>1,800	9.8	U	7.2	U
Methyl Acetate	79-20-9	ug/kg	NC	NC	NC	49	U	36	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/kg	NC	NC	NC	49	U	36	UT
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/kg	NC	NC	NC	49	U	36	UT
Methylcyclohexane	108-87-2	ug/kg	NC	NC	NC	9.8	U	7.2	U
Methylene Chloride	75-09-2	ug/kg	NC	NC	NC	9.8	U	7.2	U
Styrene	100-42-5	ug/kg	NC	NC	NC	9.8	U	7.2	U
Tert-Butyl Methyl Ether	1634-04-4	ug/kg	NC	NC	NC	9.8	U	7.2	U
Tetrachloroethylene (PCE)	127-18-4	ug/kg	<16,000	16,000-57,000	>57,000	9.8	U	7.2	UT
Toluene	108-88-3	ug/kg	<930	930-4,500	>4,500	9.8	U	7.2	U
Trans-1,2-Dichloroethene	156-60-5	ug/kg				9.8	U	7.2	UT
Trans-1,3-Dichloropropene	10061-02-6	ug/kg	NC	NC	NC	9.8	U	7.2	U
Trichloroethylene (TCE)	79-01-6	ug/kg	<1,800	1,800-8,600	>8,600	9.8	U	7.2	U
Trichlorofluoromethane	75-69-4	ug/kg	NC	NC	NC	9.8	U	7.2	U
Vinyl Chloride	75-01-4	ug/kg	NC	NC	NC	9.8	U	7.2	U
Xylenes	1330-20-7	ug/kg	<590	590-5,200	>5,200	20	U	14	UT

Notes:
1- Sediment results compared to guidance values obtained from the NYSDEC Division of Fish, Wildlife and Marine Resources Bureau of Habitat Screening and Assessment of Contaminated Sediment (June 24, 2014).

Bold Detection

Acronyms

ug/kg - microgram per kilogram
CAS - chemical abstract service
FD - field duplicate
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J - The analyte is an estimated quantity.
JL - estimated biased low
N - normal sample
NC - no criteria listed
NYSDEC - New York State Department of Environmental Conservation
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Q - qualifier
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
UJ - estimated, undetected
UT - matrix spike and/or matrix spike duplicate recovery exceeds control limits, undetected

CDM Smith

Table 4-4b
Sediment Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SED-01		SED-02		SED-03		SED-03		SED-04		SED-07		SED-09	
					Sample ID	442005-SED-01-012721		442005-SED-02-012721		442005-SED-03-011321		442005-SED-903-011321		442005-SED-04-011321		442005-SED-07-011321		442005-SED-09-011321	
					Sample Date	1/27/2021		1/27/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021	
					Sample Type	N		N		N		FD		N		N		N	
					Parent Sample Code							442005-SED-03-011321							
Chemical Name	**CAS No.**	**Unit**	**Class A Freshwater Sediment Guidance Value**	**Class B Freshwater Sediment Guidance Value**	**Class C Freshwater Sediment Guidance Value**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,4-Dioxane (P-Dioxane)	123-91-1	ug/kg	NC	NC	NC	170	U	930	U	140	U	150	U	1500	U	200	U	140	U
2,4,5-Trichlorophenol	95-95-4	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
2,4,6-Trichlorophenol	88-06-2	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
2,4-Dichlorophenol	120-83-2	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
2,4-Dimethylphenol	105-67-9	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
2,4-Dinitrophenol	51-28-5	ug/kg	NC	NC	NC	2800	U	15000	U	2400	U	2500	U	25000	U	3300	U	2400	U
2,4-Dinitrotoluene	121-14-2	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
2,6-Dinitrotoluene	606-20-2	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
2-Chloronaphthalene	91-58-7	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
2-Chlorophenol	95-57-8	ug/kg	NC	NC	NC	560	U	3100	U	470	U	490	U	5000	U	660	U	470	U
2-Methylnaphthalene	91-57-6	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
2-Methylphenol (O-Cresol)	95-48-7	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
2-Nitroaniline	88-74-4	ug/kg	NC	NC	NC	560	U	3100	U	470	U	490	U	5000	U	660	U	470	U
2-Nitrophenol	88-75-5	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
3,3'-Dichlorobenzidine	91-94-1	ug/kg	NC	NC	NC	560	U	3100	U	470	U	490	U	5000	U	660	U	470	U
3-Nitroaniline	99-09-2	ug/kg	NC	NC	NC	560	U	3100	U	470	U	490	U	5000	U	660	U	470	U
4,6-Dinitro-2-Methylphenol	534-52-1	ug/kg	NC	NC	NC	560	U	3100	U	470	U	490	U	5000	U	660	U	470	U
4-Bromophenyl Phenyl Ether	101-55-3	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
4-Chloro-3-Methylphenol	59-50-7	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
4-Chloroaniline	106-47-8	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	UJ
4-Methylphenol (P-Cresol)	106-44-5	ug/kg	NC	NC	NC	560	U	3100	U	470	U	490	U	5000	U	660	U	470	U
4-Nitroaniline	100-01-6	ug/kg	NC	NC	NC	560	U	3100	U	470	U	490	U	5000	U	660	U	470	U
4-Nitrophenol	100-02-7	ug/kg	NC	NC	NC	560	U	3100	U	470	U	490	U	5000	U	660	U	470	U
Acenaphthene	83-32-9	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Acenaphthylene	208-96-8	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Acetophenone	98-86-2	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Anthracene	120-12-7	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Atrazine	1912-24-9	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Benzaldehyde	100-52-7	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Benzo(A)Anthracene	56-55-3	ug/kg	NC	NC	NC	290	U	1600	U	**95**	**J**	250	U	2600	U	**79**	**J**	**69**	**J**
Benzo(A)Pyrene	50-32-8	ug/kg	NC	NC	NC	290	U	1600	U	**100**	**J**	**65**	**J**	2600	U	**100**	**J**	**72**	**J**
Benzo(B)Fluoranthene	205-99-2	ug/kg	NC	NC	NC	290	U	1600	U	**130**	**J**	**76**	**J**	2600	U	**130**	**J**	**66**	**J**
Benzo(G,H,I)Perylene	191-24-2	ug/kg	NC	NC	NC	290	U	1600	U	**78**	**J**	**55**	**J**	2600	U	**96**	**J**	**43**	**J**
Benzo(K)Fluoranthene	207-08-9	ug/kg	NC	NC	NC	290	U	1600	U	**48**	**J**	**46**	**J**	2600	U	**46**	**J**	**51**	**J**
Benzyl Butyl Phthalate	85-68-7	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Biphenyl (Diphenyl)	92-52-4	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Bis(2-Chloroethoxy) Methane	111-91-1	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Bis(2-Chloroisopropyl) Ether	108-60-1	ug/kg	NC	NC	NC	290	U	1600	U	240	UJ	250	UJ	2600	UJ	340	UJ	240	UJ
Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/kg	<360,000	>360,000		**320**		**1800**		240	U	250	U	2600	U	340	U	240	U
Caprolactam	105-60-2	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Carbazole	86-74-8	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Chrysene	218-01-9	ug/kg	NC	NC	NC	290	U	1600	U	**120**	**J**	**66**	**J**	2600	U	**110**	**J**	**68**	**J**
Dibenz(A,H)Anthracene	53-70-3	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Dibenzofuran	132-64-9	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Diethyl Phthalate	84-66-2	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Dimethyl Phthalate	131-11-3	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Di-N-Butyl Phthalate	84-74-2	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Di-N-Octylphthalate	117-84-0	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Fluoranthene	206-44-0	ug/kg	NC	NC	NC	290	U	1600	U	**250**		**150**	**J**	2600	U	**180**	**J**	**150**	**J**
Fluorene	86-73-7	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Hexachlorobenzene	118-74-1	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Hexachlorobutadiene	87-68-3	ug/kg	<1,200	1,200-12,000	>12,000	290	UJ	1600	UJ	240	UJ	250	UJ	2600	UJ	340	UJ	240	UJ
Hexachlorocyclopentadiene	77-47-4	ug/kg	<810	810-8,100	>8,100	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Hexachloroethane	67-72-1	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/kg	NC	NC	NC	290	U	1600	U	**63**	**J**	**47**	**J**	2600	U	**72**	**J**	**33**	**J**
Isophorone	78-59-1	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Naphthalene	91-20-3	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Nitrobenzene	98-95-3	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
N-Nitrosodi-N-Propylamine	621-64-7	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
N-Nitrosodiphenylamine	86-30-6	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	UJ
Pentachlorophenol	87-86-5	ug/kg	<14,000	14,000-19,000	>19,000	560	U	3100	U	470	U	490	U	5000	U	660	U	470	U
Phenanthrene	85-01-8	ug/kg	NC	NC	NC	290	U	1600	U	**110**	**J**	**65**	**J**	2600	U	340	U	**71**	**J**
Phenol	108-95-2	ug/kg	NC	NC	NC	290	U	1600	U	240	U	250	U	2600	U	340	U	240	U
Pyrene	129-00-0	ug/kg	NC	NC	NC	290	U	1600	U	**190**	**J**	**110**	**J**	2600	U	**140**	**J**	**120**	**J**

Notes:
1- Sediment results compared to guidance values obtained from the NYSDEC Division of Fish, Wildlife and Marine Resources Bureau of Habitat Screening and Assessment of Contaminated Sediment (June 24, 2014).

Bold	Detection
Acronyms	
ug/kg - microgram per kilogram	NC - no criteria listed
CAS - chemical abstract service	NYSDEC - New York State Department of Environmental Conservation
FD - field duplicate	SCO - soil cleanup objective
ID - identification	Q - qualifier
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
N - normal sample	UJ - estimated, undetected

CDM Smith

Table 4-4b
Sediment Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SED-01		SED-02		SED-03		SED-03		SED-04		SED-07		SED-09	
					Sample ID	442005-SED-01-012721		442005-SED-02-012721		442005-SED-03-011321		442005-SED-903-011321		442005-SED-04-011321		442005-SED-07-011321		442005-SED-09-011321	
					Sample Date	1/27/2021		1/27/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021	
					Sample Type	N		N		N		FD		N		N		N	
					Parent Sample Code							442005-SED-03-011321							
Chemical Name	**CAS No.**	**Unit**	**Class A Freshwater Sediment Guidance Value**	**Class B Freshwater Sediment Guidance Value**	**Class C Freshwater Sediment Guidance Value**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aldrin	309-00-2	ug/kg	NC	NC	NC	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	UT
Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/kg	NC	NC	NC	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	UJ
Alpha Endosulfan	959-98-8	ug/kg	NC	NC	NC	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/kg	NC	NC	NC	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	U
Beta Endosulfan	33213-65-9	ug/kg	NC	NC	NC	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	U
cis-Chlordane	5103-71-9	ug/kg	<68	68-38,000	>38,000	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	U
Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/kg	NC	NC	NC	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	UJ
Dieldrin	60-57-1	ug/kg	<180	180-780	>780	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	UT
Endosulfan Sulfate	1031-07-8	ug/kg	<1	1-20	>20	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	U
Endrin	72-20-8	ug/kg	<90	90-220	>220	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	U
Endrin Aldehyde	7421-93-4	ug/kg	NC	NC	NC	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	U
Endrin Ketone	53494-70-5	ug/kg	NC	NC	NC	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	U
Gamma Bhc (Lindane)	58-89-9	ug/kg	<47	47-78	>78	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	UT
Heptachlor	76-44-8	ug/kg	<75	75-10,000	>10,000	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	U
Heptachlor Epoxide	1024-57-3	ug/kg	<15	15-2,100	>2,100	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	UJ
Methoxychlor	72-43-5	ug/kg	<59	>59		**9.8**	**J**	**11**	**J**	24	U	25	U	**0.24**	**J**	0.33	U	24	UT
P,P'-DDD	72-54-8	ug/kg	NC	NC	NC	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	U
P,P'-DDE	72-55-9	ug/kg	NC	NC	NC	28	U	31	U	24	U	25	U	**0.19**	**J**	0.33	U	24	U
P,P'-DDT	50-29-3	ug/kg	<44	44-48,000	>48,000	28	U	31	U	**6.7**	**J**	**8.4**	**J**	0.5	U	0.33	U	24	UT
Toxaphene	8001-35-2	ug/kg	<6	6-250	>250	280	U	310	U	240	U	250	U	5	U	3.3	U	240	U
trans-Chlordane	5103-74-2	ug/kg	NC	NC	NC	28	U	31	U	24	U	25	U	0.5	U	0.33	U	24	U

Table 4-4b
Sediment Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SED-01		SED-02		SED-03		SED-03		SED-04		SED-07		SED-09	
					Sample ID	442005-SED-01-012721		442005-SED-02-012721		442005-SED-03-011321		442005-SED-903-011321		442005-SED-04-011321		442005-SED-07-011321		442005-SED-09-011321	
					Sample Date	1/27/2021		1/27/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021	
					Sample Type	N		N		N		FD		N		N		N	
					Parent Sample Code							442005-SED-03-011321							
Chemical Name	**CAS No.**	**Unit**	**Class A Freshwater Sediment Guidance Value[2]**	**Class B Freshwater Sediment Guidance Value[2]**	**Class C Freshwater Sediment Guidance Value[2]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
PCB-1016 (Aroclor 1016)	12674-11-2	mg/kg	<0.1	0.1-1	>1	0.42	U	0.38	U	0.32	U	0.31	U	0.6	U	0.41	U	0.0027	U
PCB-1221 (Aroclor 1221)	11104-28-2	mg/kg	<0.1	0.1-1	>1	0.42	U	0.38	U	0.32	U	0.31	U	0.6	U	0.41	U	0.0027	U
PCB-1232 (Aroclor 1232)	11141-16-5	mg/kg	<0.1	0.1-1	>1	0.42	U	0.38	U	0.32	U	0.31	U	0.6	U	0.41	U	0.0027	U
PCB-1242 (Aroclor 1242)	53469-21-9	mg/kg	<0.1	0.1-1	>1	0.42	U	0.38	U	0.32	U	0.31	U	0.6	U	0.41	U	0.0027	U
PCB-1248 (Aroclor 1248)	12672-29-6	mg/kg	<0.1	0.1-1	>1	0.42	U	0.38	U	0.32	U	0.31	U	0.6	U	0.41	U	0.0027	U
PCB-1254 (Aroclor 1254)	11097-69-1	mg/kg	<0.1	0.1-1	>1	0.42	U	0.38	U	0.32	U	0.31	U	**0.7**		0.41	U	0.0027	U
PCB-1260 (Aroclor 1260)	11096-82-5	mg/kg	<0.1	0.1-1	>1	0.42	U	0.38	U	0.32	U	0.31	U	0.6	U	0.41	U	0.0027	U

Notes:
1-Sediment results compared to guidance values obtained from the NYSDEC Division of Fish, Wildlife and Marine Resources Bureau of Habitat *Screening and Assessment of Contaminated Sediment* (June 24, 2014).
2-Guidance values are for the total PCB concentration.

	> Class B Freshwater Sediment Guidance Value
Bold	Detection
Acronyms	
mg/kg - milligram per kilogram	NC - no criteria listed
CAS - chemical abstract service	NYSDEC - New York State Department of Environmental Conservation
FD - field duplicate	SCO - soil cleanup objective
ID - identification	Q - qualifier
N - normal sample	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.

Table 4-4b
Sediment Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyanide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

					Location ID	SED-01		SED-02		SED-03		SED-03		SED-04		SED-07		SED-09	
					Sample ID	442005-SED-01-012721		442005-SED-02-012721		442005-SED-03-011321		442005-SED-903-011321		442005-SED-04-011321		442005-SED-07-011321		442005-SED-09-011321	
					Sample Date	1/27/2021		1/27/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021	
					Sample Type	N		N		N		FD		N		N		N	
					Parent Sample Code							442005-SED-03-011321							
Chemical Name	**CAS No.**	**Unit**	**Class A Freshwater Sediment Guidance Value**	**Class B Freshwater Sediment Guidance Value**	**Class C Freshwater Sediment Guidance Value**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q
Aluminum	7429-90-5	mg/kg	NC	NC	NC	**4460**		**4250**		**5790**	**JH**	**5590**	**JH**	**23200**	**JH**	**7120**	**JH**	**5020**	**JH**
Antimony	7440-36-0	mg/kg	NC	NC	NC	**1.2**	**J**	**1.2**	**J**	22.6	UJ	22.7	UJ	**2.2**	**J**	30.6	UJ	**15.3**	**J**
Arsenic	7440-38-2	mg/kg	<10	10-33	>33	3.4	U	**0.94**	**J**	**2.6**	**J**	**2.6**	**J**	**24.7**		**3.1**	**J**	**2.6**	**J**
Barium	7440-39-3	mg/kg	NC	NC	NC	**47.5**	**JH**	**71.2**	**JH**	**50.9**	**JH**	**46.8**	**JH**	**199**	**JH**	**56.1**	**JH**	**39**	**JH**
Beryllium	7440-41-7	mg/kg	NC	NC	NC	**0.057**	**J**	**0.064**	**J**	**0.4**	**JH**	**0.38**	**JH**	**1.1**	**JH**	**0.49**	**JH**	**0.41**	**J**
Cadmium	7440-43-9	mg/kg	<1	1-5	>5	**0.31**	**J**	**0.44**		**0.25**	**J**	**0.23**	**J**	**5.4**		**0.33**	**J**	**0.21**	**J**
Calcium	7440-70-2	mg/kg	NC	NC	NC	**21000**		**56600**		**3140**	**JH**	**2790**	**JH**	**79800**	**JH**	**3300**	**JH**	**1910**	**JH**
Chromium, Total	7440-47-3	mg/kg	<43	43-110	>110	**6.7**		**7.6**		**7.7**	**JH**	**8.4**	**J**	**65.2**	**JH**	**9.3**	**JH**	**6.8**	**J**
Cobalt	7440-48-4	mg/kg	NC	NC	NC	**0.98**		**1.5**		**6.4**		**11.9**		**17.5**		**20.6**		**5.8**	**J**
Copper	7440-50-8	mg/kg	NC	NC	NC	**134**		**71.4**		**8.6**	**JH**	**7.5**	**JH**	**420**	**JH**	**18**	**JH**	**9.4**	**J**
Iron	7439-89-6	mg/kg	NC	NC	NC	**1060**	**JH**	**2430**	**JH**	**14700**	**JH**	**15600**	**JH**	**64600**	**JH**	**17300**	**JH**	**15200**	**JH**
Lead	7439-92-1	mg/kg	<36	36-130	>130	**12.5**		**34.5**		**19.8**		**13**		**462**		**20.9**		**80.8**	**JL**
Magnesium	7439-95-4	mg/kg	NC	NC	NC	**423**		**779**		**2560**	**JH**	**2350**	**JH**	**19100**	**JH**	**3020**	**JH**	**2050**	**JH**
Manganese	7439-96-5	mg/kg	NC	NC	NC	**88.1**	**JH**	**127**	**JH**	**328**	**JH**	**369**	**JH**	**583**	**JH**	**452**	**JH**	**245**	**JH**
Mercury	7439-97-6	mg/kg	<0.2	0.2-1	>1	**0.054**		**0.12**		**0.029**		**0.018**	**J**	**1.2**		**0.037**	**J**	**0.019**	**J**
Nickel	7440-02-0	mg/kg	<23	23-49	>49	**3.3**	**J**	**5.6**	**J**	**9.5**		**10.7**		**72.5**		**16.2**		**9.8**	**J**
Potassium	7440-09-7	mg/kg	NC	NC	NC	**118**	**J**	**180**	**J**	**1060**	**JH**	**1030**	**JH**	**4420**	**JH**	**1170**	**JH**	**1030**	**JH**
Selenium	7782-49-2	mg/kg	NC	NC	NC	6.9	UJ	7.7	UJ	6	UJ	6.1	UJ	**1.2**	**J**	8.2	UJ	5.9	UJ
Silver	7440-22-4	mg/kg	<1	1-2.2	>2.2	**0.41**	**J**	**0.55**	**J**	0.9	UJ	0.91	UJ	**2.3**	**J**	1.2	UJ	0.88	UJ
Sodium	7440-23-5	mg/kg	NC	NC	NC	**136**	**J**	**183**	**J**	211	U	212	U	415	U	285	U	205	U
Thallium	7440-28-0	mg/kg	NC	NC	NC	10.3	U	11.6	U	9	U	9.1	U	17.8	U	12.2	U	8.8	U
Vanadium	7440-62-2	mg/kg	NC	NC	NC	**7.9**		**9.7**		**10**		**9.7**		**330**		**10.7**		**7.8**	**J**
Zinc	7440-66-6	mg/kg	<120	120-460	>460	**93.6**	**J**	**153**	**J**	**60.2**	**JH**	**56**	**JH**	**1110**	**JH**	**84.2**	**JH**	**50.6**	**J**
Cyanide	57-12-5	mg/kg				**1.9**		1.6	U	1.4	U	1.4	U	3	U	1.8	U	1.4	U

Notes:
1- Sediment results compared to guidance values obtained from the NYSDEC Division of Fish, Wildlife and Marine Resources Bureau of Habitat Screening and Assessment of Contaminated Sediment (June 24, 2014).

> Class B Freshwater Sediment Guidance Value
Bold > Class C Freshwater Sediment Guidance Value
Bold Detection

Acronyms

mg/kg - milligram per kilogram
N - normal sample
CAS - chemical abstract service
NC - no criteria listed
FD - field duplicate
NYSDEC - New York State Department of Environmental Conservation
ID - identification
SCO - soil cleanup objective
J - The analyte is an estimated
Q - qualifier
JH - estimated biased high
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
JL - estimated biased low
UJ - estimated, undetected

Table 4-4b
Sediment Analytical Results - PFAS
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

				Location ID	SED-01		SED-02		SED-03		SED-03		SED-04		SED-05	
				Sample ID	442005-SED-01-012721		442005-SED-02-012721		442005-SED-03-011321		442005-SED-903-011321		442005-SED-04-011321		442005-SED-05-012321	
				Sample Date	1/27/2021		1/27/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021	
				Sample Type	N		N		N		FD		N		N	
				Parent Sample Code							442005-SED-03-011321					
Chemical Name	**CAS No.**	**NYSDEC Unrestricted Guidance Values for Anticpated Site Use**	**NYSDEC Industrial Guidance Values for Anticpated Site Use**	**Unit**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Sulfonates																
Perflourobutanesulfonic Acid (PFBS)	375-73-5	NC	NC	ug/kg	33	U	37	U	0.28	U	0.27	U	0.6	U	0.32	U
Perflourohexanesulfonic Acid (PFHxS)	355-46-4	NC	NC	ug/kg	33	U	37	U	0.28	U	0.27	U	0.6	U	0.32	U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	NC	NC	ug/kg	33	U	37	U	0.28	U	0.27	U	**0.16**	**J**	0.32	U
Perflourooctane Sulfonic Acid (PFOS)	1763-23-1	0.88	600	ug/kg	83	UJ	92	UJ	0.69	U	0.68	U	**22**	**B**	**1.1**	**JH**
Perfluorodecane Sulfonic Acid (PFDS)	335-77-3	NC	NC	ug/kg	33	U	37	U	0.28	U	0.27	U	**0.2**	**J**	0.32	U
Carboxylates																
Perfluorobutyric Acid (PFBA)	375-22-4	NC	NC	ug/kg	33	U	37	U	**0.34**	**JH**	**0.32**	**JH**	**1.1**	**JH**	**0.49**	**JH**
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NC	NC	ug/kg	33	U	37	U	0.28	U	0.27	U	**0.45**	**J**	0.32	U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NC	NC	ug/kg	33	U	37	U	0.28	U	0.27	U	**0.76**		0.32	U
Perfluoroheptanoic Acid (PFHpA)	375-85-9	NC	NC	ug/kg	33	U	37	U	0.28	U	0.27	U	**0.86**	**JH**	0.32	U
Perfluorooctanoic Acid (PFOA)	335-67-1	0.66	440	ug/kg	33	U	37	U	**0.15**	**J**	**0.19**	**J**	**7.2**		0.32	U
Perfluorononanoic Acid (PFNA)	375-95-1	NC	NC	ug/kg	33	U	37	U	0.28	U	0.27	U	**0.74**	**JH**	0.32	U
Perfluorodecanoic Acid (PFDA)	335-76-2	NC	NC	ug/kg	33	U	37	U	0.28	U	0.27	U	**0.44**	**J**	**0.044**	**J**
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NC	NC	ug/kg	33	U	37	U	0.28	U	0.27	U	**0.79**		0.32	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NC	NC	ug/kg	33	U	37	U	0.28	U	0.27	U	**0.67**		0.32	U
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	NC	NC	ug/kg	33	UJ	37	U	0.28	U	0.27	U	0.6	U	0.32	U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NC	NC	ug/kg	33	UJ	37	U	0.28	U	0.27	U	**0.23**	**J**	0.32	U
Precursors																
2-(N-Methyl Perfluorooctanesulfonamido) Acetic Acid (Me-PFOSA-AcOH)	2355-31-9	NC	NC	ug/kg	330	UJ	370	U	2.8	U	2.7	U	6	U	3.2	U
N-Ethyl-N-((Heptadecafluorooctyl)Sulphonyl) Glycine (N-EtFOSAA)	2991-50-6	NC	NC	ug/kg	**250**	**J**	**690**		2.8	U	2.7	U	6	U	3.2	U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	NC	NC	ug/kg	33	U	37	U	0.28	U	0.27	U	0.6	U	0.32	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2 FTS)	39108-34-4	NC	NC	ug/kg	330	U	370	U	2.8	UJ	2.7	UJ	6	UJ	3.2	UJ
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (6:2 FTS)	27619-97-2	NC	NC	ug/kg	330	U	370	U	2.8	UJ	2.7	UJ	6	UJ	3.2	UJ
Total Quantifed PFAS		NC	NC	ug/kg	**250**		**690**		**0.49**		**0.51**		**35.6**		**1.634**	

Notes:

1 - SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) Under NYSDEC's Part 375 Remedial Programs, Effective January 2021.

> Unrestricted Use PFAS Guidance Value

Bold — Detection

Acronyms

ug/kg - microgram per kilogram
B - compound was found in the blank and sample
CAS - chemical abstract service
FD - field duplicate
ID - identification
J - The analyte is an estimated quantity.
JH - estimated bised high
N - normal sample
No. - number
NC - no criteria listed
NYSDEC - New York State Department of Environmental Conservation
PFAS - per- and polyfluoroalkyl substances
Q - qualifier
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
UJ - estimated, undetected

CDM Smith

Table 4-4b
Sediment Analytical Results - PFAS
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

				Location ID	SED-06		SED-07		SED-08		SED-09	
				Sample ID	442005-SED-06-012321		442005-SED-07-011321		442005-SED-08-012321		442005-SED-09-011321	
				Sample Date	1/13/2021		1/13/2021		1/13/2021		1/13/2021	
				Sample Type	N		N		N		N	
				Parent Sample Code								
Chemical Name	**CAS No.**	**NYSDEC Unrestricted Guidance Values for Anticpated Site Use**	**NYSDEC Industrial Guidance Values for Anticpated Site Use**	**Unit**	Result	Q	Result	Q	Result	Q	Result	Q
Sulfonates												
Perflourobutanesulfonic Acid (PFBS)	375-73-5	NC	NC	ug/kg	**0.16**	**J**	0.36	U	0.24	U	0.28	U
Perflourohexanesulfonic Acid (PFHxS)	355-46-4	NC	NC	ug/kg	0.63	U	0.36	U	0.24	U	0.28	U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	NC	NC	ug/kg	0.63	U	0.36	U	0.24	U	0.28	U
Perflourooctane Sulfonic Acid (PFOS)	1763-23-1	0.88	600	ug/kg	**14**	**B**	0.91	U	0.61	U	**0.43**	**J**
Perfluorodecane Sulfonic Acid (PFDS)	335-77-3	NC	NC	ug/kg	**2.3**		0.36	U	0.24	U	0.28	U
Carboxylates												
Perfluorobutyric Acid (PFBA)	375-22-4	NC	NC	ug/kg	**1.3**	**JH**	**0.59**	**JH**	**0.46**	**JH**	**0.3**	**JH**
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NC	NC	ug/kg	**0.46**	**J**	0.36	U	0.24	U	0.28	U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NC	NC	ug/kg	**0.35**	**J**	0.36	U	0.24	U	0.28	U
Perfluoroheptanoic Acid (PFHpA)	375-85-9	NC	NC	ug/kg	0.63	U	0.36	U	0.24	U	0.28	U
Perfluorooctanoic Acid (PFOA)	335-67-1	0.66	440	ug/kg	**3.3**		**0.81**		0.24	U	**0.56**	
Perfluorononanoic Acid (PFNA)	375-95-1	NC	NC	ug/kg	**0.63**	**JH**	0.36	U	0.24	U	0.28	U
Perfluorodecanoic Acid (PFDA)	335-76-2	NC	NC	ug/kg	**1.3**		0.36	U	0.24	U	0.28	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NC	NC	ug/kg	**1.7**		0.36	U	0.24	U	0.28	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NC	NC	ug/kg	**3.4**		0.36	U	0.24	U	0.28	U
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	NC	NC	ug/kg	**1.3**		0.36	U	0.24	U	0.28	U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NC	NC	ug/kg	**1.2**		0.36	U	0.24	U	0.28	U
Precursors												
2-(N-Methyl Perfluorooctanesulfonamido) Acetic Acid (Me-PFOSA-AcOH)	2355-31-9	NC	NC	ug/kg	**7.1**		3.6	U	2.4	U	2.8	U
N-Ethyl-N-((Heptadecafluorooctyl)Sulphonyl) Glycine (N-EtFOSAA)	2991-50-6	NC	NC	ug/kg	**3.2**	**J**	3.6	U	2.4	U	2.8	U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	NC	NC	ug/kg	**0.31**	**J**	0.36	U	0.24	U	0.28	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2 FTS)	39108-34-4	NC	NC	ug/kg	6.3	UJ	3.6	UJ	2.4	U	2.8	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (6:2 FTS)	27619-97-2	NC	NC	ug/kg	6.3	UJ	3.6	UJ	2.4	U	2.8	U
Total Quantifed PFAS		NC	NC	ug/kg	**42.01**		**1.4**		**0.46**		**1.29**	

Notes:

1 - SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) Under NYSDEC's Part 375 Remedial Programs, Effective January 2021.

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CDM Smith

Table 4-3a
Surface Water Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyandide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

			Location ID	SW-01		SW-02		SW-03		SW-03		SW-04		SW-07		SW-09	
			Sample ID	442005-SW-01-012621		442005-SW-02-012621		442005-SW-03-011321		442005-SW-903-011321		442005-SW-04-011321		442005-SW-07-011321		442005-SW-09-011321	
			Sample Date	1/26/2021		1/26/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021	
			Sample Type	N		N		N		FD		N		N		N	
			Parent Sample Code							442005-SW-03-011321							
Chemical Name	**CAS No.**	**Unit**	**NYSDEC TOGS 1.1.1 for Surface Water**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,1,1-Trichloroethane	71-55-6	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	0.2	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	75-34-3	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethene	75-35-4	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/L	0.0006	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ
1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ
1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	78-87-5	ug/L	1	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Hexanone	591-78-6	ug/L	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	67-64-1	ug/L	50	10	U	10	U	10	U	10	U	10	U	10	U	10	UJ
Benzene	71-43-2	ug/L	1	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	75-27-4	ug/L	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	75-25-2	ug/L	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	74-83-9	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon Disulfide	75-15-0	ug/L	8	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ
Carbon Tetrachloride	56-23-5	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	108-90-7	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	75-00-3	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	67-66-3	ug/L	7	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	74-87-3	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethylene	156-59-2	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	110-82-7	ug/L	0.1	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	124-48-1	ug/L	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	75-71-8	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	100-41-4	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene (Cumene)	98-82-8	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl Acetate	79-20-9	ug/L	NC	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/L	50	10	U	10	U	10	U	10	U	10	U	10	U	10	UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/L	NC	5	U	5	U	5	U	5	U	5	U	5	U	5	UJ
Methylcyclohexane	108-87-2	ug/L	NC	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylene Chloride	75-09-2	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Styrene	100-42-5	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tert-Butyl Methyl Ether	1634-04-4	ug/L	10	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethylene (PCE)	127-18-4	ug/L	0.7	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Toluene	108-88-3	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trans-1,2-Dichloroethene	156-60-5	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethylene (TCE)	79-01-6	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichlorofluoromethane	75-69-4	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl Chloride	75-01-4	ug/L	2	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes	1330-20-7	ug/L	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U

Notes:
Class A, A-s, AA, AA-S Cleanup Objectives

> NYSDEC TOGS 1.1.1

Bold Detection

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ug/L - microgram per liter
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FD - field duplicate
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N - normal sample
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Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

			Location ID	SW-01		SW-02		SW-03		SW-03		SW-04		SW-07		SW-09	
			Sample ID	442005-SW-01-012621		442005-SW-02-012621		442005-SW-03-011321		442005-SW-903-011321		442005-SW-04-011321		442005-SW-07-011321		442005-SW-09-011321	
			Sample Date	1/26/2021		1/26/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021	
			Sample Type	N		N		N		FD		N		N		N	
			Parent Sample Code							442005-SW-03-011321							
Chemical Name	**CAS No.**	**Unit**	**NYSDEC TOGS 1.1.1 for Surface Water**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,4-Dioxane (P-Dioxane)	123-91-1	ug/L	NC	0.19	U	0.19	U	0.2	U	0.2	U	0.2	U	0.2	U	0.21	U
2,4,5-Trichlorophenol	95-95-4	ug/L	35	25	U	25	U	5	U	5	U	25	U	5	U	5	U
2,4,6-Trichlorophenol	88-06-2	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
2,4-Dichlorophenol	120-83-2	ug/L	5	25	U	25	U	5	U	5	U	25	U	5	U	5	U
2,4-Dimethylphenol	105-67-9	ug/L	50	25	U	25	U	5	U	5	U	25	U	5	U	5	U
2,4-Dinitrophenol	51-28-5	ug/L	10	50	U	50	U	10	U	10	U	50	U	10	U	10	U
2,4-Dinitrotoluene	121-14-2	ug/L	5	25	U	25	U	5	U	5	U	25	U	5	U	5	U
2,6-Dinitrotoluene	606-20-2	ug/L	0.07	25	U	25	U	5	U	5	U	25	U	5	U	5	U
2-Chloronaphthalene	91-58-7	ug/L	10	25	U	25	U	5	U	5	U	25	U	5	U	5	U
2-Chlorophenol	95-57-8	ug/L	5	25	U	25	U	5	U	5	U	25	U	5	U	5	U
2-Methylnaphthalene	91-57-6	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
2-Methylphenol (O-Cresol)	95-48-7	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
2-Nitroaniline	88-74-4	ug/L	5	50	U	50	U	10	U	10	U	50	U	10	U	10	U
2-Nitrophenol	88-75-5	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
3,3'-Dichlorobenzidine	91-94-1	ug/L	5	25	U	25	U	5	U	5	U	25	U	5	U	5	U
3-Nitroaniline	99-09-2	ug/L	5	50	U	50	U	10	U	10	U	50	U	10	U	10	U
4,6-Dinitro-2-Methylphenol	534-52-1	ug/L	NC	50	U	50	U	10	U	10	U	50	U	10	U	10	U
4-Bromophenyl Phenyl Ether	101-55-3	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
4-Chloro-3-Methylphenol	59-50-7	ug/L	NC	25	UJ	25	UJ	5	U	5	U	25	U	5	U	5	U
4-Chloroaniline	106-47-8	ug/L	5	25	U	25	U	5	U	5	U	25	U	5	U	5	U
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
4-Methylphenol (P-Cresol)	106-44-5	ug/L	NC	50	U	50	U	10	U	10	U	50	U	10	U	10	U
4-Nitroaniline	100-01-6	ug/L	5	50	U	50	U	10	U	10	U	50	U	10	U	10	U
4-Nitrophenol	100-02-7	ug/L	NC	50	U	50	U	10	U	10	U	50	U	10	U	10	U
Acenaphthene	83-32-9	ug/L	20	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Acenaphthylene	208-96-8	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Acetophenone	98-86-2	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Anthracene	120-12-7	ug/L	50	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Atrazine	1912-24-9	ug/L	7.5	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Benzaldehyde	100-52-7	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Benzo(A)Anthracene	56-55-3	ug/L	0.002	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Benzo(A)Pyrene	50-32-8	ug/L	0.002	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Benzo(B)Fluoranthene	205-99-2	ug/L	0.002	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Benzo(G,H,I)Perylene	191-24-2	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Benzo(K)Fluoranthene	207-08-9	ug/L	0.002	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Benzyl Butyl Phthalate	85-68-7	ug/L	50	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Biphenyl (Diphenyl)	92-52-4	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Bis(2-Chloroethoxy) Methane	111-91-1	ug/L	5	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/L	1	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Bis(2-Chloroisopropyl) Ether	108-60-1	ug/L	NC	25	U	25	U	5	UJ	5	UJ	25	UJ	5	UJ	5	U
Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/L	5	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Caprolactam	105-60-2	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Carbazole	86-74-8	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	UJ
Chrysene	218-01-9	ug/L	0.002	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Dibenz(A,H)Anthracene	53-70-3	ug/L	0.002	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Dibenzofuran	132-64-9	ug/L	0.0000007	50	U	50	U	10	U	10	U	50	U	10	U	10	U
Diethyl Phthalate	84-66-2	ug/L	50	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Dimethyl Phthalate	131-11-3	ug/L	50	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Di-N-Butyl Phthalate	84-74-2	ug/L	50	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Di-N-Octylphthalate	117-84-0	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Fluoranthene	206-44-0	ug/L	50	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Fluorene	86-73-7	ug/L	50	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Hexachlorobenzene	118-74-1	ug/L	0.04	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Hexachlorobutadiene	87-68-3	ug/L	0.5	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Hexachlorocyclopentadiene	77-47-4	ug/L	5	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Hexachloroethane	67-72-1	ug/L	5	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/L	0.002	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Isophorone	78-59-1	ug/L	50	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Naphthalene	91-20-3	ug/L	10	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Nitrobenzene	98-95-3	ug/L	0.4	25	U	25	U	5	U	5	U	25	U	5	U	5	U
N-Nitrosodi-N-Propylamine	621-64-7	ug/L	NC	25	U	25	U	5	U	5	U	25	U	5	U	5	U
N-Nitrosodiphenylamine	86-30-6	ug/L	50	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Pentachlorophenol	87-86-5	ug/L	1	50	UJ	50	UJ	10	U	10	U	50	U	10	U	10	U
Phenanthrene	85-01-8	ug/L	50	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Phenol	108-95-2	ug/L	1	25	U	25	U	5	U	5	U	25	U	5	U	5	U
Pyrene	129-00-0	ug/L	50	25	U	25	U	5	U	5	U	25	U	5	U	5	U

Notes:
Class A, A-s, AA, AA-S Cleanup Objectives

> NYSDEC TOGS 1.1.1

Bold Detection

Acronyms

ug/L - microgram per liter
CAS - chemical abstract service
FD - field duplicate
ID - identification
N - normal sample
No. - number

NC - no criteria listed
NYSDEC - New York State Department of Environmental Conservation
Q - qualifier
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
UJ - estimated, undetected

CDM Smith

Table 4-3a
Surface Water Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyandide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

			Location ID	SW-01		SW-02		SW-03		SW-03		SW-04		SW-07		SW-09	
			Sample ID	442005-SW-01-012621		442005-SW-02-012621		442005-SW-03-011321		442005-SW-903-011321		442005-SW-04-011321		442005-SW-07-011321		442005-SW-09-011321	
			Sample Date	1/26/2021		1/26/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021	
			Sample Type	N		N		N		FD		N		N		N	
			Parent Sample Code							442005-SW-03-011321							
Chemical Name	**CAS No.**	**Unit**	**NYSDEC TOGS 1.1.1 for Surface Water**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q
Aldrin	309-00-2	ug/L	NC	0.05	U	**0.011**	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/L	0.01	**0.016**	J	**0.015**	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Alpha Endosulfan	959-98-8	ug/L	NC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/L	0.04	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Beta Endosulfan	33213-65-9	ug/L	NC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
cis-Chlordane	5103-71-9	ug/L	0.05	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/L	0.04	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Dieldrin	60-57-1	ug/L	0.004	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Endosulfan Sulfate	1031-07-8	ug/L	NC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Endrin	72-20-8	ug/L	NC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Endrin Aldehyde	7421-93-4	ug/L	5	0.05	U	**0.038**	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Endrin Ketone	53494-70-5	ug/L	5	0.05	U	**0.014**	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Gamma Bhc (Lindane)	58-89-9	ug/L	0.05	0.05	U	**0.021**	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor	76-44-8	ug/L	0.04	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor Epoxide	1024-57-3	ug/L	0.03	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Methoxychlor	72-43-5	ug/L	35	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
P,P'-DDD	72-54-8	ug/L	0.3	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
P,P'-DDE	72-55-9	ug/L	0.2	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
P,P'-DDT	50-29-3	ug/L	0.2	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Toxaphene	8001-35-2	ug/L	0.06	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-Chlordane	5103-74-2	ug/L	0.05	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U

Notes:
Class A, A-s, AA, AA-S Cleanup Objectives

	> NYSDEC TOGS 1.1.1
Bold	Detection
Acronyms	
ug/L - micrograms per liter	No. - number
CAS - chemical abstract service	NC - no criteria listed
FD - field duplicate	NYSDEC - New York State Department of Environmental Conservation
ID - identification	Q - qualifier
J - The analyte is an estimated quantity.	U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
N - normal sample	UJ - estimated, undetected

CDM Smith

Table 4-3a
Surface Water Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyandide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

			Location ID	SW-01		SW-02		SW-03		SW-03		SW-04		SW-07		SW-09	
			Sample ID	442005-SW-01-012621		442005-SW-02-012621		442005-SW-03-011321		442005-SW-903-011321		442005-SW-04-011321		442005-SW-07-011321		442005-SW-09-011321	
			Sample Date	1/26/2021		1/26/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021	
			Sample Type	N		N		N		FD		N		N		N	
			Parent Sample Code							442005-SW-03-011321							
Chemical Name	**CAS No.**	**Unit**	**NYSDEC TOGS 1.1.1 for Surface Water**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
PCB-1016 (Aroclor 1016)	12674-11-2	ug/L	0.09	0.5	U	0.5	U	0.52	U	0.5	U	0.5	U	0.5	U	0.5	U
PCB-1221 (Aroclor 1221)	11104-28-2	ug/L	0.09	0.5	U	0.5	U	0.52	U	0.5	U	0.5	U	0.5	U	0.5	U
PCB-1232 (Aroclor 1232)	11141-16-5	ug/L	0.09	0.5	U	0.5	U	0.52	U	0.5	U	0.5	U	0.5	U	0.5	U
PCB-1242 (Aroclor 1242)	53469-21-9	ug/L	0.09	0.5	U	0.5	U	0.52	U	0.5	U	0.5	U	0.5	U	0.5	U
PCB-1248 (Aroclor 1248)	12672-29-6	ug/L	0.09	0.5	U	0.5	U	0.52	U	0.5	U	0.5	U	0.5	U	0.5	U
PCB-1254 (Aroclor 1254)	11097-69-1	ug/L	0.09	0.5	U	0.5	U	0.52	U	0.5	U	0.5	U	0.5	U	0.5	U
PCB-1260 (Aroclor 1260)	11096-82-5	ug/L	0.09	0.5	U	0.5	U	0.52	U	0.5	U	0.5	U	0.5	U	0.5	U

Notes:
Class A, A-s, AA, AA-S Cleanup Objectives

> NYSDEC TOGS 1.1.1

Bold Detection

Acronyms

ug/L - micrograms per liter
CAS - chemical abstract service
FD - field duplicate
ID - identification
N - normal sample
No. - number
NC - no criteria listed
NYSDEC - New York State Department of Environmental Conservation
Q - qualifier
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.

CDM Smith

Table 4-3a
Surface Water Analytical Results - VOCs, SVOCs, Pesticides, PCBs, Metals, Mercury, Cyandide, and 1,4-Dioxane
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

			Location ID	SW-01		SW-02		SW-03		SW-03		SW-04		SW-07		SW-09	
			Sample ID	442005-SW-01-012621		442005-SW-02-012621		442005-SW-03-011321		442005-SW-903-011321		442005-SW-04-011321		442005-SW-07-011321		442005-SW-09-011321	
			Sample Date	1/26/2021		1/26/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021	
			Sample Type	N		N		N		FD		N		N		N	
			Parent Sample Code							442005-SW-03-011321							
Chemical Name	**CAS No.**	**Unit**	**NYSDEC TOGS 1.1.1 for Surface Water**	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q	Resu t	Q	Result	Q
Aluminum	7429-90-5	mg/L	NC	0.2	UJ	0.2	UJ	**0.47**	J	**0.066**	J	**81.8**	J	0.2	U	0.2	U
Antimony	7440-36-0	mg/L	0.003	0.02	UJ	0.02	UJ	0.02	U	0.02	U	**0.017**	J	0.02	U	0.02	U
Arsenic	7440-38-2	mg/L	0.025	0.015	U	0.015	U	0.015	U	0.015	U	**0.13**	JH	0.015	U	0.015	U
Barium	7440-39-3	mg/L	1	**0.035**	JH	**0.03**	JH	**0.026**	JH	**0.021**	JH	**0.87**	JH	**0.02**	JH	**0.02**	JH
Beryllium	7440-41-7	mg/L	0.003	0.002	U	0.002	U	0.002	U	0.002	U	**0.0037**	JH	0.002	U	0.002	U
Cadmium	7440-43-9	mg/L	0.005	0.002	U	0.002	U	0.002	U	0.002	U	**0.019**	JH	0.002	U	0.002	U
Calcium	7440-70-2	mg/L	NC	**52.3**		**64.9**		**29.9**	JH	**30.3**	JH	**458**	JH	**30.3**	JH	**29.4**	JH
Chromium, Total	7440-47-3	mg/L	0.05	0.004	U	0.004	U	0.004	U	0.004	U	**0.23**		0.004	U	0.004	U
Cobalt	7440-48-4	mg/L	NC	0.004	UJ	0.004	UJ	0.004	U	0.004	U	**0.088**		0.004	U	0.004	U
Copper	7440-50-8	mg/L	0.2	0.01	U	0.01	U	0.01	U	0.01	U	**1.3**	JH	0.01	U	0.01	U
Iron	7439-89-6	mg/L	0.3	**0.17**	JH	**0.58**	JH	**0.83**	JH	**0.13**	JH	**246**	JH	**0.13**	JH	**0.094**	JH
Lead	7439-92-1	mg/L	0.025	0.01	U	0.01	U	0.01	U	0.01	U	**1.6**		0.01	U	0.01	U
Magnesium	7439-95-4	mg/L	35	**2.1**		**2.1**		**10.2**	JH	**10.2**	JH	**102**	JH	**10.3**	JH	**10.1**	JH
Manganese	7439-96-5	mg/L	0.3	**0.069**	JH	**0.32**	JH	**0.099**	JH	**0.03**	JH	**4.8**	JH	**0.022**	JH	**0.02**	JH
Mercury	7439-97-6	mg/L	0.0007	0.0002	U	0.0002	U	0.0002	U	0.0002	U	**0.005**		0.0002	U	0.0002	U
Nickel	7440-02-0	mg/L	0.1	0.01	U	0.01	U	0.01	U	0.01	U	**0.28**		0.01	U	0.01	U
Potassium	7440-09-7	mg/L	NC	**2.2**	J	**2.6**	J	**1.1**	JH	**1**	JH	**16**	JH	**1**	JH	**1**	JH
Selenium	7782-49-2	mg/L	0.01	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	UJ	0.025	UJ
Silver	7440-22-4	mg/L	0.05	0.006	U	0.006	U	0.006	U	0.006	U	**0.0084**		0.006	U	0.006	U
Sodium	7440-23-5	mg/L	20	**6.3**		**6.9**		**14**	JH	**14.6**	JH	1	U	**14.4**	JH	**14.9**	JH
Thallium	7440-28-0	mg/L	0.0005	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Vanadium	7440-62-2	mg/L	NC	0.005	U	0.005	U	0.005	U	0.005	U	**1.3**		0.005	U	0.005	U
Zinc	7440-66-6	mg/L	2	**0.0049**	J	**0.0035**	J	0.01	U	0.01	U	**4.4**	JH	0.01	U	0.01	U
Cyanide	57-12-5	mg/L	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U

Notes:
Class A, A-s, AA, AA-S Cleanup Objectives

> NYSDEC TOGS 1.1.1

Bold Detection

Acronyms

mg/L - milligram per liter
CAS - chemical abstract service
FD - field duplicate
ID - identification
J - The analyte is an estimated quantity.
JH - estimated biased high
N - normal sample
NC - no criteria listed
NYSDEC - New York State Department of Environmental Conservation
Q - qualifier
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
UJ - estimated, undetected

CDM Smith

Table 4-3b
Surface Water Analytical Results - PFAS
Former Columbia Corporation, NYSDEC Site No. 442005
Walloomsac, Hoosick Falls, New York

			Location ID	SW-01		SW-02		SW-03		SW-03		SW-04		SW-05		SW-06		SW-07		SW-08		SW-09	
			Sample ID	442005-SW-01-012621		442005-SW-02-012621		442005-SW-03-011321		442005-SW-903-011321		442005-SW-04-011321		442005-SW-05-012321		442005-SW-06-012321		442005-SW-07-011321		442005-SW-08-012321		442005-SW-09-011321	
			Sample Date	1/26/2021		1/26/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021		1/13/2021	
			Sample Type	N		N		N		FD		N		N		N		N		N		N	
			Parent Sample Code							442005-SW-03-011321													
Chemical Name	**CAS No.**	**Unit**	**NYSDEC PFAS Criteria[1]**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Sulfonates																							
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	ng/L	NC	18	U	19	U	**0.48**	**J**	**0.52**	**J**	**5.4**	**J**	**1.3**	**J**	**9.4**		**0.48**	**J**	**0.49**	**J**	**0.44**	**J**
Perflourohexanesulfonic Acid (PFHxS)	355-46-4	ng/L	NC	18	U	19	U	1.9	U	1.9	U	**5.9**	**J**	**2.3**		**4.2**		1.8	U	1.9	U	1.8	U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	ng/L	NC	**3.7**	**J**	**3.4**	**J**	1.9	U	1.9	U	**2.3**	**J**	**0.74**	**J**	**0.59**	**J**	1.8	U	1.9	U	1.8	U
Perflouroctane Sulfonic Acid (PFOS)	1763-23-1	ng/L	10	**500**		**460**		1.9	U	1.9	U	**130**	**J**	**110**		**26**		1.8	U	1.9	U	1.8	U
Perfluorodecane Sulfonic Acid (PFDS)	335-77-3	ng/L	NC	18	U	19	U	1.9	U	1.9	U	1.9	UJ	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U
Carboxylates																							
Perfluorobutyric Acid (PFBA)	375-22-4	ng/L	NC	46	U	47	U	4.6	U	4.7	U	**44**	**J**	**3.5**	**J**	**26**		4.5	U	4.6	U	4.6	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/L	NC	**37**		**30**		**0.68**	**J**	**0.72**	**J**	**27**	**J**	**3.1**		**24**		**0.76**	**J**	**0.62**	**J**	**0.77**	**J**
Perfluorohexanoic Acid (PFHxA)	307-24-4	ng/L	NC	**41**		**34**		**0.9**	**J**	**0.87**	**J**	**31**	**J**	**3.1**		**32**		**0.86**	**J**	**0.83**	**J**	**0.84**	**J**
Perfluoroheptanoic Acid (PFHpA)	375-85-9	ng/L	NC	**48**		**47**		1.9	U	1.9	U	**25**	**J**	**3.8**		**28**		1.8	U	1.9	U	1.8	U
Perfluorooctanoic Acid (PFOA)	335-67-1	ng/L	10	**240**		**210**		**24**		**25**		**100**	**J**	**36**		**120**		**25**		**26**		**24**	
Perfluorononanoic Acid (PFNA)	375-95-1	ng/L	NC	**66**		**50**		1.9	U	1.9	U	**2.3**	**J**	1.9	U	**5.5**		1.8	U	1.9	U	1.8	U
Perfluorodecanoic Acid (PFDA)	335-76-2	ng/L	NC	18	U	**22**		1.9	U	1.9	U	1.9	UJ	**0.51**	**J**	**1.2**	**J**	1.8	U	1.9	U	1.8	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/L	NC	18	U	19	U	1.9	U	1.9	U	1.9	UJ	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	ng/L	NC	18	U	19	U	1.9	U	1.9	U	1.9	UJ	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	ng/L	NC	18	U	19	U	1.9	U	1.9	U	1.9	UJ	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	ng/L	NC	18	U	19	U	1.9	U	1.9	U	1.9	UJ	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U
Precursors																							
2-(N-Methyl Perfluorooctanesulfonamido) Acetic Acid (Me-PFOSA-AcOH)	2355-31-9	ng/L	NC	46	U	47	U	4.6	U	4.7	U	4.7	UJ	4.7	U	4.5	U	4.5	U	4.6	U	4.6	U
N-Ethyl-N-((Heptadecafluorooctyl)Sulphonyl) Glycine (N-EtFOSAA)	2991-50-6	ng/L	NC	**270**		**310**		4.6	U	4.7	U	4.7	UJ	4.7	U	4.5	U	4.5	U	4.6	U	4.6	U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	ng/L	NC	**26**		**27**		1.9	U	1.9	U	**1.4**	**J**	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2 FTS)	39108-34-4	ng/L	NC	18	U	19	U	1.9	U	1.9	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (6:2 FTS)	27619-97-2	ng/L	NC	46	UJ	47	UJ	4.6	U	4.7	U	4.7	U	4.7	U	4.5	U	4.5	U	4.6	U	4.6	U
Total Quantified PFAS			NC	**1231.7**		**1193.4**		**26.06**		**27.11**		**374.3**		**164.35**		**276.89**		**27.1**		**27.94**		**26.05**	

Notes:

1 - NYSDEC. January 2020. Guidelines for Sampling and Analysis of PFAS, NYSDEC Under NYDEC's Part 375 Remedial Programs

> NYSDEC PFAS Criteria

Bold Detection

Acronyms

ng/L - nanogram per liter
CAS - chemical abstract service
FD - field duplicate
ID - identification
J - The analyte is an estimated quantity.
PFAS - per- and polyfluoroalkyl substances
N - normal sample

No. - number
NC - no criteria listed
NYSDEC - New York State Department of Environmental Conservation
Q - qualifier
U - The analyte was analyzed for but not detected above the level of the reported sample quantitation limit.
UJ - estimated, undetected

CDM Smith

Appendix A

Environmental Database Report

CDM Smith

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Former Columbia Corporation

11 Cottrell Road

Hoosick Falls, NY 12090

Inquiry Number: 6398565.11

March 10, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

03/10/21

Site Name:

Former Columbia Corporation
11 Cottrell Road
Hoosick Falls, NY 12090
EDR Inquiry # 6398565.11

Client Name:

CDM Smith, Inc.
110 Fieldcrest Ave #8 6th Floor
Edison, NJ 08837
Contact: Lia Estrada

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2017	1"=875'	Flight Year: 2017	USDA/NAIP
2013	1"=875'	Flight Year: 2013	USDA/NAIP
2009	1"=875'	Flight Year: 2009	USDA/NAIP
2006	1"=875'	Flight Year: 2006	USDA/NAIP
1994	1"=875'	Acquisition Date: May 03, 1994	USGS/DOQQ
1986	1"=875'	Flight Date: March 31, 1986	USDA
1978	1"=875'	Flight Date: May 11, 1978	USGS
1960	1"=875'	Flight Date: June 01, 1960	USGS
1951	1"=875'	Flight Date: May 13, 1951	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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INQUIRY #: 6398565.11
YEAR: 2017
= 875'
N
EDR

INQUIRY #: 6398565.11
YEAR: 2013
= 875'
N
EDR

INQUIRY #: 6398565.11
YEAR: 2009
= 875'
N
EDR

INQUIRY #: 6398565.11
YEAR: 2006
= 875'
N
EDR

INQUIRY #: 6398565.11

YEAR: 1994

= 875'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 6398565.11
YEAR: 1986
= 875'
N
EDR

INQUIRY #: 6398565.11
YEAR: 1978
= 875'
N
EDR
Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 6398565.11
YEAR: 1960
= 875'
N
EDR

INQUIRY #: 6398565.11
YEAR: 1951
= 875'
N
EDR

Former Columbia Corporation
11 Cottrell Road
Hoosick Falls, NY 12090

Inquiry Number: 6398565.8
March 09, 2021

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Building Permit Report: Search Documentation

3/09/21

Site Name:
Former Columbia
11 Cottrell Road
Hoosick Falls, NY

EDR Inquiry # 6398565.8

Client Name:
CDM Smith, Inc.
110 Fieldcrest Ave #8 6th
Edison, NJ 08837

Contact: Lia Estrada

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 3/09/21, EDR does not have access to building permits in the city where your target property is located (Hoosick Falls, NY).

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX® PROPERTY HISTORY

Former Columbia Corporation
11 Cottrell Road
Hoosick Falls, NY 12090

Inquiry Number: 6398565.5
March 11, 2021

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by infoUSA®

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☑	EDR Digital Archive
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive

FINDINGS

TARGET PROPERTY STREET

11 Cottrell Road
Hoosick Falls, NY 12090

Year	*CD Image*	*Source*
COTTRELL RD		
2017	pg A1	EDR Digital Archive
2014	pg A4	EDR Digital Archive
2010	pg A7	EDR Digital Archive
2005	pg A10	EDR Digital Archive
2000	pg A13	EDR Digital Archive

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*

ROUTE 67

2000	pg. A14	EDR Digital Archive

STATE ROUTE 67

2017	pg. A2	EDR Digital Archive
2014	pg. A5	EDR Digital Archive
2010	pg. A8	EDR Digital Archive
2005	pg. A11	EDR Digital Archive

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COTTRELL RD 2017

11	WALLOOMSAC METAL RECYCLING
45	STRATTON, TIMOTHY G
79	HOAG, MICHAEL T
98	ELLIS, SUZZANNE
156	HOAG, MARLA D
238	HOAG, MICHAEL T
263	HOAG, STACEY E
268	CHAPONES, CHRISTINA
275	DAVENDONIS, JOHN E
293	STELLER, JOSEPH H
350	BROWN, FRANCINE
356	LEBLANC, JOSEPH B
425	COTTRELL, MARY B
478	FELION, DAVID G
485	WATKINS, KRISTA J
499	BAKER, PAUL A
507	BRIGGS, MICHAEL C
548	CALLAHAN, RYAN W
556	COTTRELL, MICHAEL M
568	HARWOOD, JAMES K
602	SPIAK, GREGORY R
616	BENNETT, ROBERT

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

STATE ROUTE 67 2017

4710	BROWNELL, PAMELA
4718	REDEEMED REPAIR IN
4729	JEANS PLACE
4737	CROSS, IRVING H
4762	HATHAWAY DRIVE IN THEATER
4769	WHITE, MARK
4781	TINKHAM, RAYMOND E
4785	HALL, RON M
4796	EMERY, MAGAN
	GORMAN, STEPHEN
	HIGGINS, LORRAINE M
	KRIZAN, MICHAEL
4797	BROOKS, RUSTY
4798	GORMAN, STEPHEN
4829	DELUCA, JORDAN C
4831	BETTIS, JOSEPH R
4853	FLOHR, JORDAN R
4869	NARKEWICZ, SUSAN M
4883	GRAPHITEK INC
4893	HACKETT, JOSEPH E
4899	CAVANAUGH, RICHARD J
4927	HOLOVACH, ROBERT
4935	ANDREW, MARIE
	HAYNES, PATRICIA A
	ODELL, TRISHA
4938	HANLON, HELEN
4940	BAKER, LINDA L
	BROWNELL, WILLIAM
4944	KRAWCZYK, CHARLES J
4950	MAHONEY, MIKE
4954	BRIGGS, M
	JHEEY, JILL
4957	JONES, KATRINA M
4959	COLLINS, DONNA R
4963	SMITH, JOHN
4973	BURDICK, HAROLD
4983	HARRINGTON, DALE
4987	RUSSELL, WAYNE M
4997	HOOSICK VET CLINIC
5007	BENNISON, DEAN J
5008	STEVENS, JOHN O
5012	MINKLER, CURTIS J
5029	HUNT, RICHARD C
5032	DORMAN, PHILIP T
5039	HUSSEY, KATIE A
5052	BALDWIN, ELEANOR A
5053	SONNYS MOTORS
5077	BRENENSTUHL, GORDON O
5079	BRENENSTUHL, ROBERT O
5085	ABBOTT, ROBERT F

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

STATE ROUTE 67 2017 (Cont'd)

5087	WIDEAWAKE, SYLVIA
5090	STARR, DONALD S
5113	ORMSBEE, LEONARD R
5154	REDICK, MARIE
5441	FLYNN, WILLIAM J
5447	FLYNN, EDWARD J
5469	BAKAITIS, PATRICK J
5505	TOVANI, JAMES F
5522	MICHAELS, ELIZABETH E
5530	NILES, ANDREA
5533	FROST, CAROL C
5565	COTTRELL, FLOYD M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COTTRELL RD 2014

11	WALLOOMSAC METAL RECYLING
17	KITLEY, BARRY
42	COTTRELL, JEFFREY
45	STRATTON, TIMOTHY G
79	HOAG, TERRANCE C
98	ELLIS, SUZZANNE
156	HOAG, MARLA A
170	HOAG, MICHAEL T
238	HOAG, MICHAEL T
240	HOAG, RUTH A
250	DRAKE, DANIEL H
256	OCCUPANT UNKNOWN,
263	HOAG, MARK D
268	HUNT, CHRISTINA D
275	DAVENDONIS, JOHN E
293	STELLER, JOSEPH H
323	CHURCH, ROBERT
350	OCCUPANT UNKNOWN,
356	LEBLANC, JOSEPH B
478	OCCUPANT UNKNOWN,
485	WATKINS, KRISTA J
499	BAKER, PAUL A
507	BRIGGS, MICHAEL C
538	COTTRELL, FLOYD
548	CALLAHAN, RYAN W
556	COTTRELL, MICHAEL M
568	HARWOOD, JAMES K
602	SPIAK, GREGORY R
616	BENNETT, ROBERT

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

STATE ROUTE 67 2014

4709	HITT, PAUL
4710	STONE, JUSTIN
4718	REDEEMED REPAIR IN HOOSICK
4729	BORNT, MICHAEL W
	JEANS PLACE
4737	CROSS, IRVING M
	PADDOCK, DOUGLAS
4741	BROWNELL DENNIS H
	DENYS SMALL ENGINE REPAIR
4769	GRANEY, PAUL J
4781	TINKAHM, RICHARD A
4785	HALL, RON M
4796	EMERY, MAGAN
	HIGGINS, LORRAINE B
	KRIZAN, GREG
4797	OCCUPANT UNKNOWN,
4798	GORMAN, STEPHEN
4831	BETTIS, JOSEPH R
4853	FLOHR, JORDAN R
4869	NARKEWICZ, SUSAN M
4893	HACKETT, JOSEPH E
4899	CAVANAUGH, RICHARD J
4927	HOLOVACH, ROBERT
4935	ANDREW, MARIE
	BERTHIAUME, JOSEPH
	BOISVERT, CLAUDE
	DEROSIA, SUSAN
	LOVELACE, CHERYL
	SMITH, SANDRA A
4938	JONES, HAROLD J
	THERESAS COUNTRY CUISINE
4940	RUSSELL, WAYNE M
4942	ADAMS, RACHAEL
4944	OCCUPANT UNKNOWN,
4950	MAHONEY, MIKE
4954	BAILEY, DONALD E
	BRIGGS, M
	JHEEY, JILL
	SKIDMORE, GARY E
	WILSON, MARGO
4957	JONES, KATRINA M
4959	OCCUPANT UNKNOWN,
4961	ZIPPERLY, KEN
4963	SMITH, JOHN
4965	SULLIVAN, MIKE
4967	RANDALL, BERNEICE
4971	NILES, HAROLD W
4973	BURDICK, HAROLD
4975	INIGO, KATRINA
4981	WHITTON, RONALD

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

STATE ROUTE 67 2014 (Cont'd)

4983	HARRINGTON, DALE
4987	BELLROSE, VALERIE J
4997	HOOSICK VET CLINIC
5007	BENNISON, DEAN
5008	STEVENS, JOHN O
5012	MINKLER, CURTIS J
5015	BROCK, GERALD
5029	BROWNELL, LORETTA
5032	DORMAN, TRAVIS
5039	HUSSEY, KATIE A
5052	BALDWIN, ELEANOR A
5053	OCCUPANT UNKNOWN,
5054	PEARSON, ROBERT
5077	BRENENSTUHL, GORDON O
5079	BRENENSTUHL, ROBERT O
5085	ABBOTT, ROBERT F
5087	WIDEAWAKE, SYLVIA
5089	YUREWITCH, SAVANNAH
5090	STARR, DONALD S
5113	ORMSBEE, LEONARD R
5154	REDICK, MARIE
5441	FLYNN, WILLIAM J
5447	FLYNN, EDWARD J
5469	BAKAITIS, PATRICK J
5502	FLYNN, BEVERLY A
5505	TOVANI, JAMES F
5522	FLOOD, EDWARD L
5533	FROST, CAROL C
5565	COTTRELL, FLOYD M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COTTRELL RD 2010

17	KITLEY, BARRY
36	WILSON, CLINTON O
42	COTTRELL, JEFFREY
45	STRATTON, TIMOTHY G
79	HOAG, TERRANCE
98	ELLIS, SUZZANNE
156	HOAG, MARLA S
170	HOAG, MICHAEL T
238	HOAG, MICHAEL T
240	HOAG, RUTH A
250	OCCUPANT UNKNOWN,
256	DRAKE, DANIEL H
263	HOAG, MARK D
268	CHAPONES, COURTNEY D
275	OCCUPANT UNKNOWN,
293	STELLER, JOSEPH H
323	CHURCH, ROBERT
356	OCCUPANT UNKNOWN,
425	COTTRELL, GEORGE M
478	FELION, DAVID G
485	COTTRELL, MARK E
499	BAKER, PAUL F
507	BRIGGS, MICHAEL C
538	COTTRELL, FLOYD
548	CALLAHAN, RYAN W
556	COTTRELL, MICHAEL
	MCCART, TERRENCE C
568	HARWOOD, JAMES K
602	COTTRELL, ROBIN A
616	BENNETT, ROBERT

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

STATE ROUTE 67 2010

4709	POWERS, PAMELA
4710	OCCUPANT UNKNOWN,
4726	GRIMER, BERI
4729	BORNT, MICHAEL W
4737	RAMER, KEVIN
4769	GRANEY, PAUL J
4781	TINKHAM, RAYMOND E
4785	HALL, RON M
4797	GUGLIELMONI, MELISSA
4798	BACON, LORRAINE H
	KRIZ GENERAL CONTRACTING CO
4831	BETTIS, JOSEPH R
4853	FLOHR, JORDAN R
4869	REYNOLDS, FRANK A
4883	GRAPHITEK INC
4891	OCCUPANT UNKNOWN,
4893	HACKETT, JOSEPH E
4899	CAVANAUGH, RICHARD J
4927	HOLOVACH, DARREL
4935	ANDREW, MARIE
	BOISVERT, MARIE
	LAFOUNTAIN, MICHAEL
	MCLAUGHLIN, DAWN
4938	THERESAS COUNTRY CUISINE
4940	RUSSELL, WAYNE M
4942	GRATTON, RACHAEL
4944	KRAWCZYK, CHARLES J
4950	MAHONEY, NANCY H
4954	BRIGGS, JUDY M
4957	JONES, HAROLD J
4959	OCCUPANT UNKNOWN,
4961	ZIPPERLY, KEN
4963	CAMPBELL, CLARA M
4965	SULLIVAN, THOMAS S
4967	RANDALL, BERNEICE
4969	SCOTT, RUTH
4971	NILES, HAROLD W
4973	BURDICK, ELEANOR
4979	FREEMAN, CINDY
4981	WHITTON, RONALD
4983	HARRINGTON, DALE
4987	BELLROSE, JEREMY J
4995	WILSON, MARGO
4997	BROWNELL, WILLIAM R
5007	BENNISON, DEAN
5008	OCCUPANT UNKNOWN,
5012	MELESKY, LINDA
5015	BROCK, RD
5029	HUNT, RICHARD C
5032	DORMAN, PHILIP T

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

STATE ROUTE 67 2010 (Cont'd)

5039	HUSSEY, KATIE A
5052	OCCUPANT UNKNOWN,
5054	PEARSON, MARY D
5077	BRENENSTUHL, GORDON O
5079	BURCH, M
5083	WIDEAWAKE, SYLVIA
5085	ABBOTT, ROBERT F
5089	BRENENSTUHL, ROBERT O
	YUREWITCH, SAVANNAH
5090	STARR, ROBERT M
5113	OCCUPANT UNKNOWN,
5154	REDICK, MARIE
5181	HOOSICK TOWN VISITOR CTR
5441	OCCUPANT UNKNOWN,
5447	FLYNN, EDWARD J
5469	BAKAITIS, EILEEN M
5502	OCCUPANT UNKNOWN,
5505	TOVANI, JAMES F
5522	FLOOD, EDWARD L
5530	OCCUPANT UNKNOWN,
5533	FROST, OAKLEY M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COTTRELL RD 2005

17	KITLEY, BARRY
45	STRATTON, TIMOTHY G
79	HOAG, TERRY C
238	HOAG, MICHAEL T
240	HOAG, RUTH A
250	DRAKE, DANIEL H
256	DRAKE, CHARLES E
263	HOAG, MARK D
268	HARINGTON, CLIFORD
275	HONSINGER, AUDREY L
323	CHURCH, ROBERT
356	WILSON, CLINTON O
425	BATTLE ACRES FARM
	OCCUPANT UNKNOWN,
478	FELION, DAVID G
485	COTTRELL, MARK E
499	BAKER, PAUL A
507	CROFT, CARRIE C
548	COTTRELL, BETTE A
556	MCCART, TERRENCE C
568	HARWOOD, JAMES K
602	SPIAK, GREGORY R
616	BENNETT, ROBERT

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

STATE ROUTE 67 2005

4709	HITT, PAMELA
4710	OCCUPANT UNKNOWN,
4726	FORREST, RICHARD
4729	BRYANT, WILLIAM
4737	CROSS, IRVING
4769	BLOOMER, AMY L
4781	TINKHAM, R E
4785	OCCUPANT UNKNOWN,
4796	OCCUPANT UNKNOWN,
4797	OCCUPANT UNKNOWN,
4798	GORMAN, STEPHEN
	KRIZ GENERAL CONTRACTING CO
4809	GREEN, KELLY
4829	BOUPLON, HANNAH
4831	BETTIS, JOSEPH R
4853	FLOHR, JORDAN R
4891	OCCUPANT UNKNOWN,
4893	HACKETT, JOSEPH E
4899	CAVANAUGH, ROBIN
4935	HAFNER, MICHAEL
4938	OCCUPANT UNKNOWN,
4944	KRAWCZYK, CHARLES J
4950	MAHONEY, NANCY H
4954	WILSON, BRIAN
4957	JONES, HAROLD J
4959	REVANE, THOMAS J
4965	SULLIVAN, THOMAS S
4969	COREY, KENNETH
4979	FREEMAN, SCOTT
4981	OCCUPANT UNKNOWN,
4983	OCCUPANT UNKNOWN,
4995	WILSON, MARGO
4997	BROWNELL, WILLIAM
5007	BENNISON, DEAN
5012	OCCUPANT UNKNOWN,
5029	HARRINGTON, REBECCA
5032	SCHMIGEL, FRED A
5039	HUSSEY, KATIE A
5054	ALBERT, MICHAEL G
5077	BRENENSTUHL, GORDON O
5079	OCCUPANT UNKNOWN,
5083	HOLBROOK, PATRICK
5085	ABBOTT, ROBERT F
5089	BRENENSTUHL, ROBERT O
5090	STARR, DONNA M
5113	ORMSBEE, LEONARD R
5154	REDICK, MARIE
5441	HERRINGTON, GEORGE
5447	FLYNN, EDWARD J
5469	BAKAITIS, EILEEN M

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

STATE ROUTE 67 2005 (Cont'd)

5502 OCCUPANT UNKNOWN,
5505 TOVANI, JAMES F
5522 FLOOD, EDWARD L
5530 OCCUPANT UNKNOWN,
STATELINE BUILDERS INC
5533 COMAR, CAROL M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COTTRELL RD 2000

36	JUDITH, L H
45	STRATTON, COLLEEN H
79	HOAG, TERRY C
98	OCCUPANT UNKNOWN,
238	HOAG, MICHAEL
250	JONES, JASON
268	OCCUPANT UNKNOWN,
293	STELLER, JOSEPH H
356	OCCUPANT UNKNOWN,
425	COTTRELL, GEORGE E
478	OCCUPANT UNKNOWN,
485	COTTRELL, MARK E
507	VANHEUKELOM, SUSAN K
556	COTTRELL, MICHAEL
568	CONGDON, WILLIAM C

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ROUTE 67 2000

4724	MULREADY, TIM
4726	FORREST, RICHARD
4729	BORNT, MICHAEL
4809	GREEN, KELLY
4829	MARSH, SHAWN
4831	MOORE, PETER J
4853	FLOHR, JORDAN
4893	HACKETT, JOSEPH
4899	CAVANAUGH, RICHARD
4935	FERRON, F
	SMITH, S A
4944	KRAWCZYK, CHARLES
4954	BLAIR, TINA
	HALE, LISA M
4969	BAKER, L
	MAYER, JOSEPH
4995	WILSON, BRIAN
5032	SCHMIGEL, FRED
5039	HUSSEY, K
5077	BRENENSTUHL, JANET
5083	ABBOTT, SANDRA
5085	ABBOTT, K
5089	BRENENSTUHL, ROBERT
5447	FLYNN, EDWARD J
5565	COTTRELL, FLOYD M

Former Columbia Corporation

11 Cottrell Road

Hoosick Falls, NY 12090

Inquiry Number: 6398565.4

March 09, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

03/09/21

Site Name:	Client Name:
Former Columbia Corporation	CDM Smith, Inc.
11 Cottrell Road	110 Fieldcrest Ave #8 6th Floor
Hoosick Falls, NY 12090	Edison, NJ 08837
EDR Inquiry # 6398565.4	Contact: Lia Estrada

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by CDM Smith, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	249300 TASK1.PM	**Latitude:**	42.923573 42° 55' 25" North
Project:	NYSDEC Former Columbia Co	**Longitude:**	-73.320969 -73° 19' 15" West
		UTM Zone:	Zone 18 North
		UTM X Meters:	637026.00
		UTM Y Meters:	4753695.29
		Elevation:	467.63' above sea level

Maps Provided:

2013
1995
1980
1946
1943
1900
1897

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets

Hoosick Falls

7.5-minute, 24000

1995 Source Sheets

Hoosick Falls

7.5-minute, 24000
Aerial Photo Revised 1993

1980 Source Sheets

Hoosick Falls

7.5-minute, 24000
Aerial Photo Revised 1978

1946 Source Sheets

Hoosick Falls

7.5-minute, 31680

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1943 Source Sheets

Hoosick Falls

7.5-minute, 24000

1900 Source Sheets

Taconic

30-minute, 125000

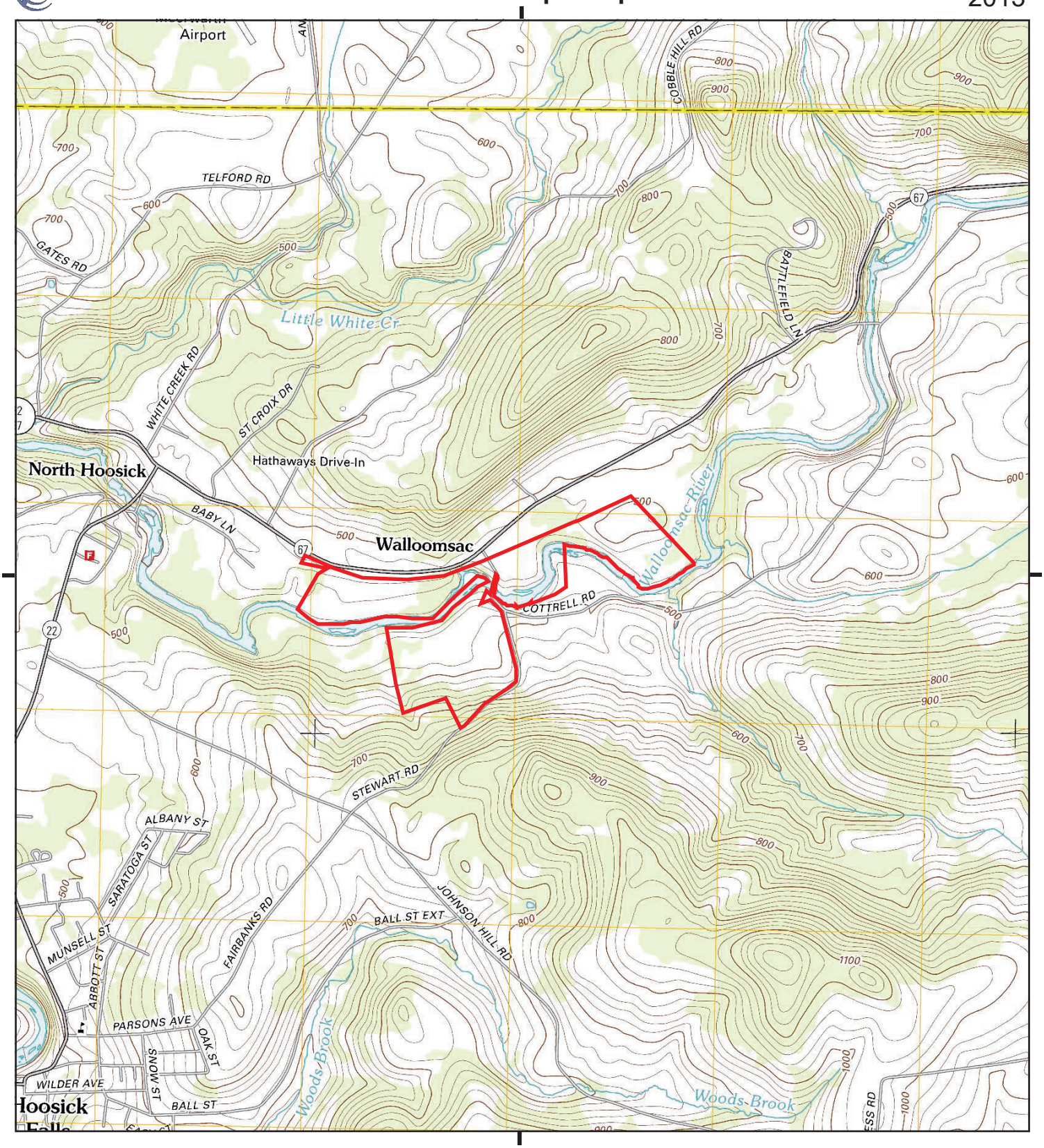
1897 Source Sheets

Hoosick

15-minute, 62500

Historical Topo Map

2013



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

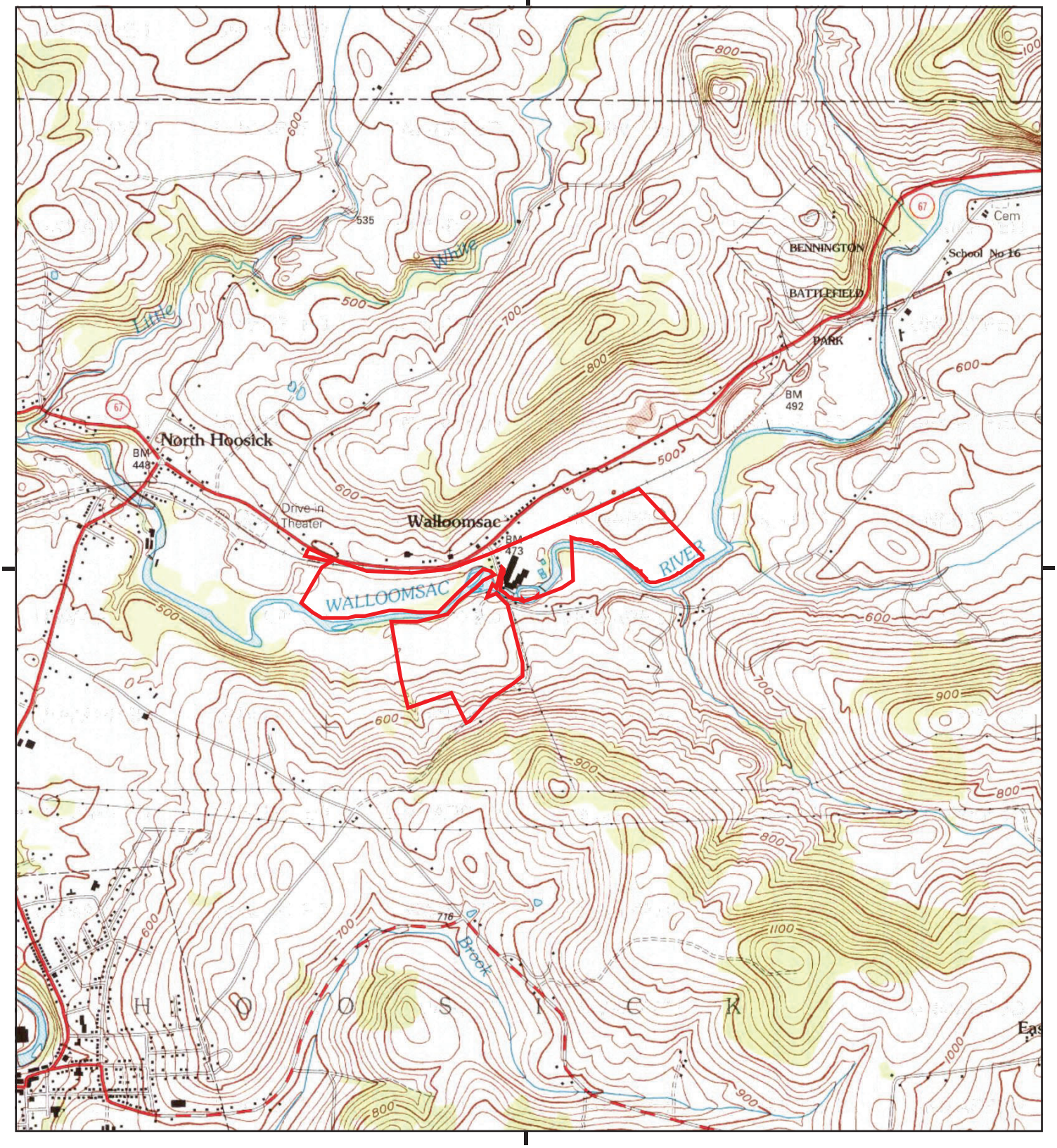
TP, Hoosick Falls, 2013, 7.5-minute

SITE NAME: Former Columbia Corporation
ADDRESS: 11 Cottrell Road
Hoosick Falls, NY 12090
CLIENT: CDM Smith, Inc.

N

Historical Topo Map

1995



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Hoosick Falls, 1995, 7.5-minute

SITE NAME: Former Columbia Corporation
ADDRESS: 11 Cottrell Road
Hoosick Falls, NY 12090
CLIENT: CDM Smith, Inc.

N

Historical Topo Map

1980

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

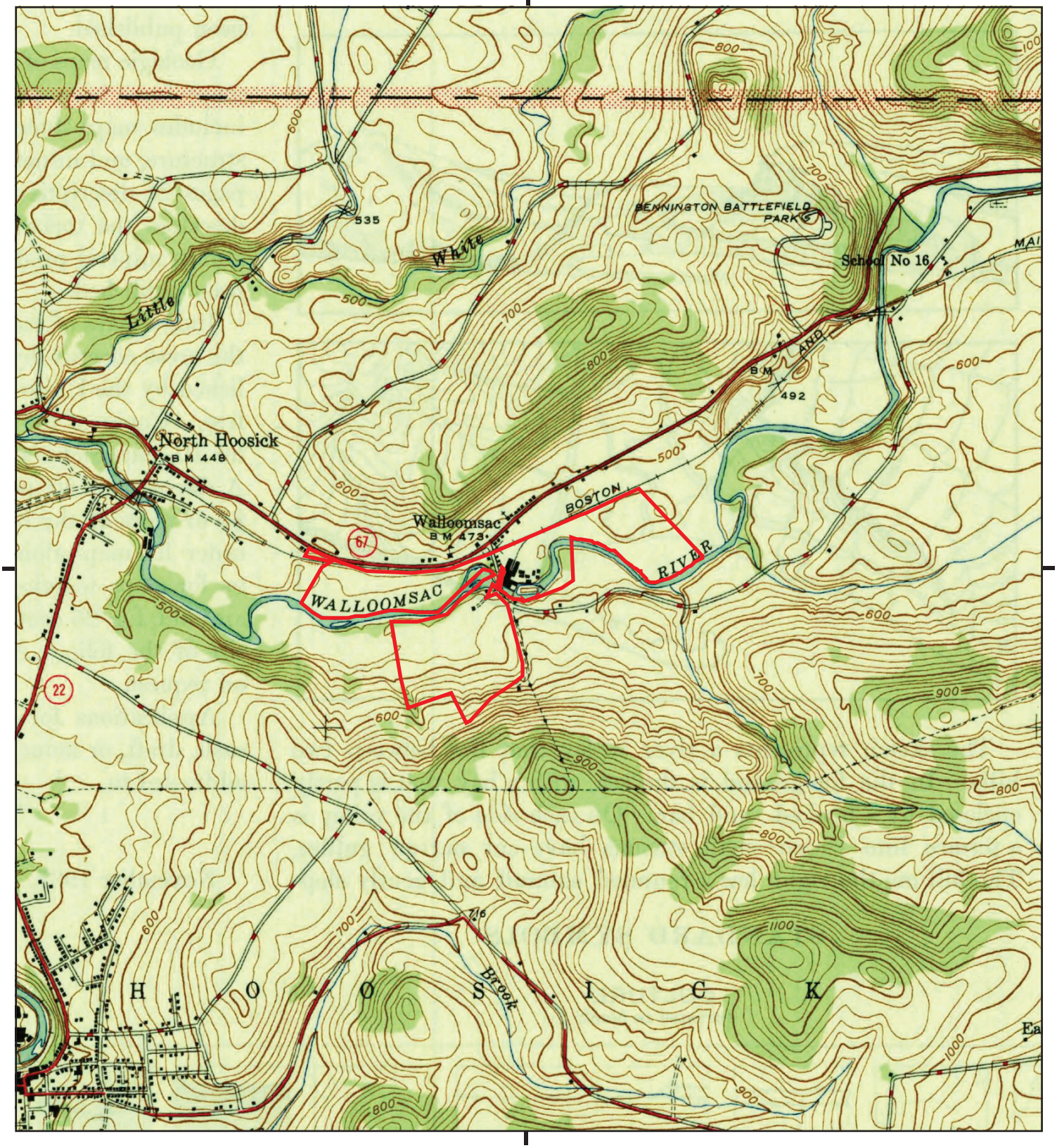
TP, Hoosick Falls, 1980, 7.5-minute

SITE NAME: Former Columbia Corporation
ADDRESS: 11 Cottrell Road
Hoosick Falls, NY 12090
CLIENT: CDM Smith, Inc.

N

Historical Topo Map

1946



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

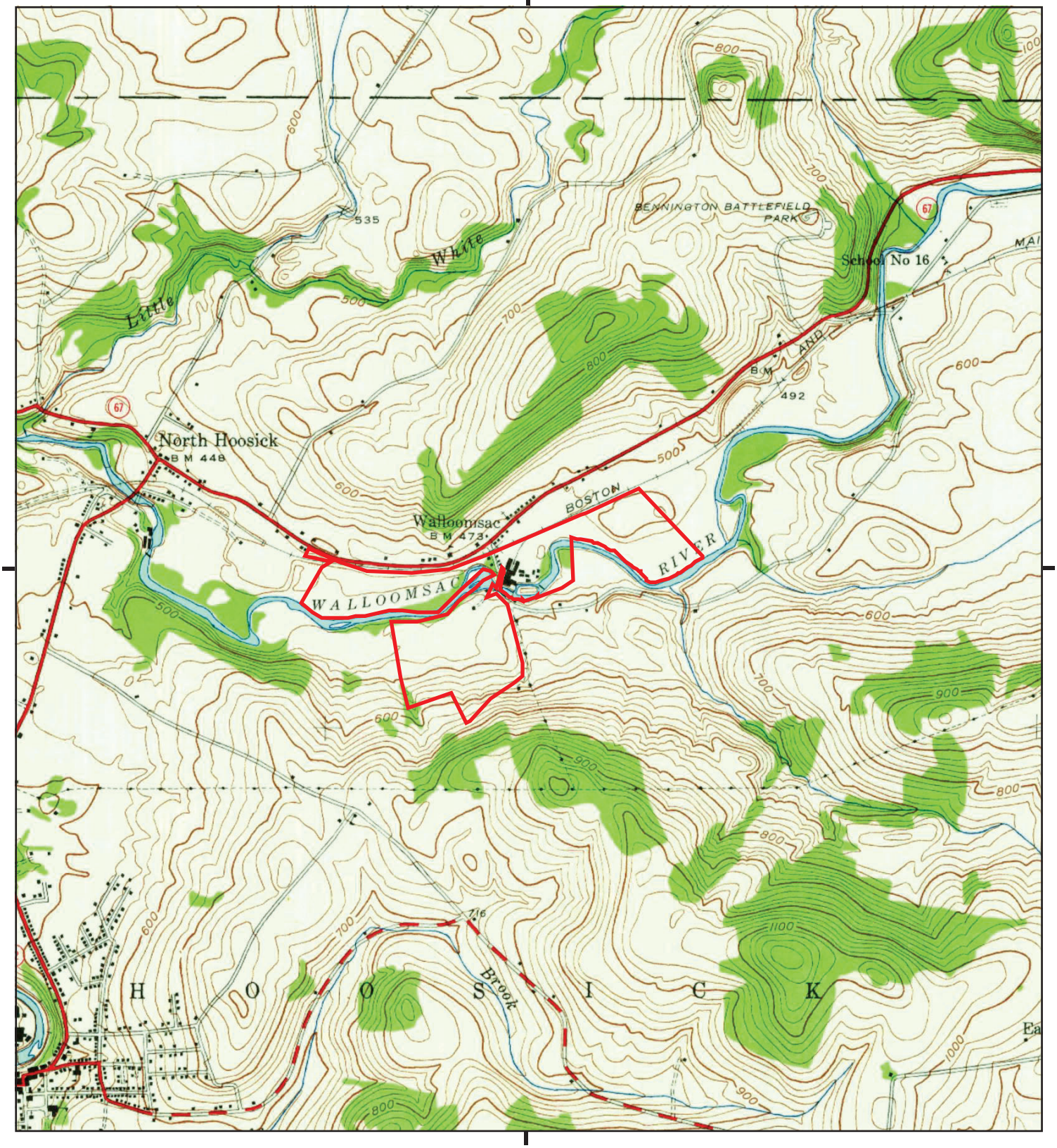
TP, Hoosick Falls, 1946, 7.5-minute

SITE NAME: Former Columbia Corporation
ADDRESS: 11 Cottrell Road
Hoosick Falls, NY 12090
CLIENT: CDM Smith, Inc.

N

Historical Topo Map

1943



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

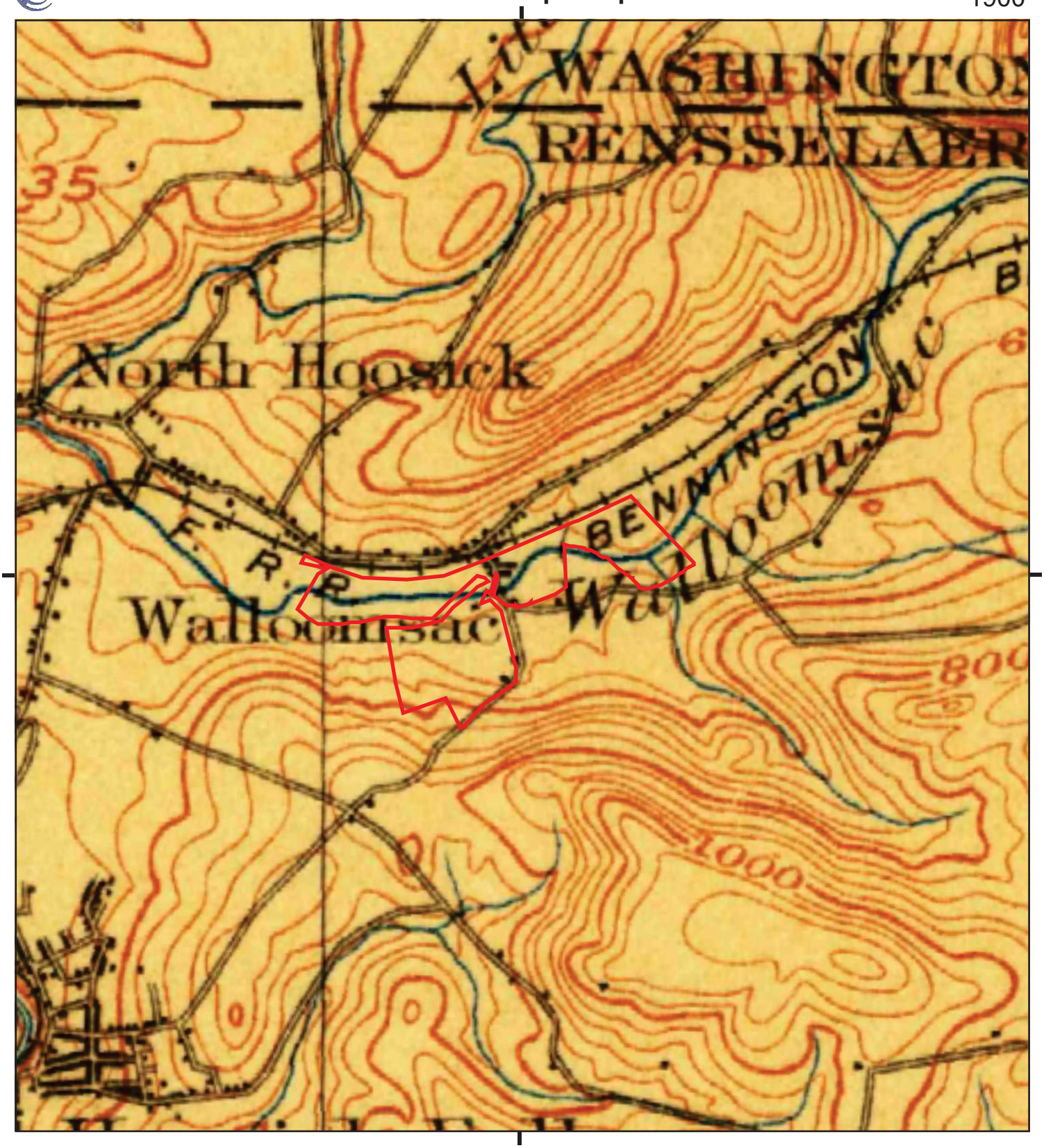
TP, Hoosick Falls, 1943, 7.5-minute

SITE NAME: Former Columbia Corporation
ADDRESS: 11 Cottrell Road
Hoosick Falls, NY 12090
CLIENT: CDM Smith, Inc.

N

Historical Topo Map

1900



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

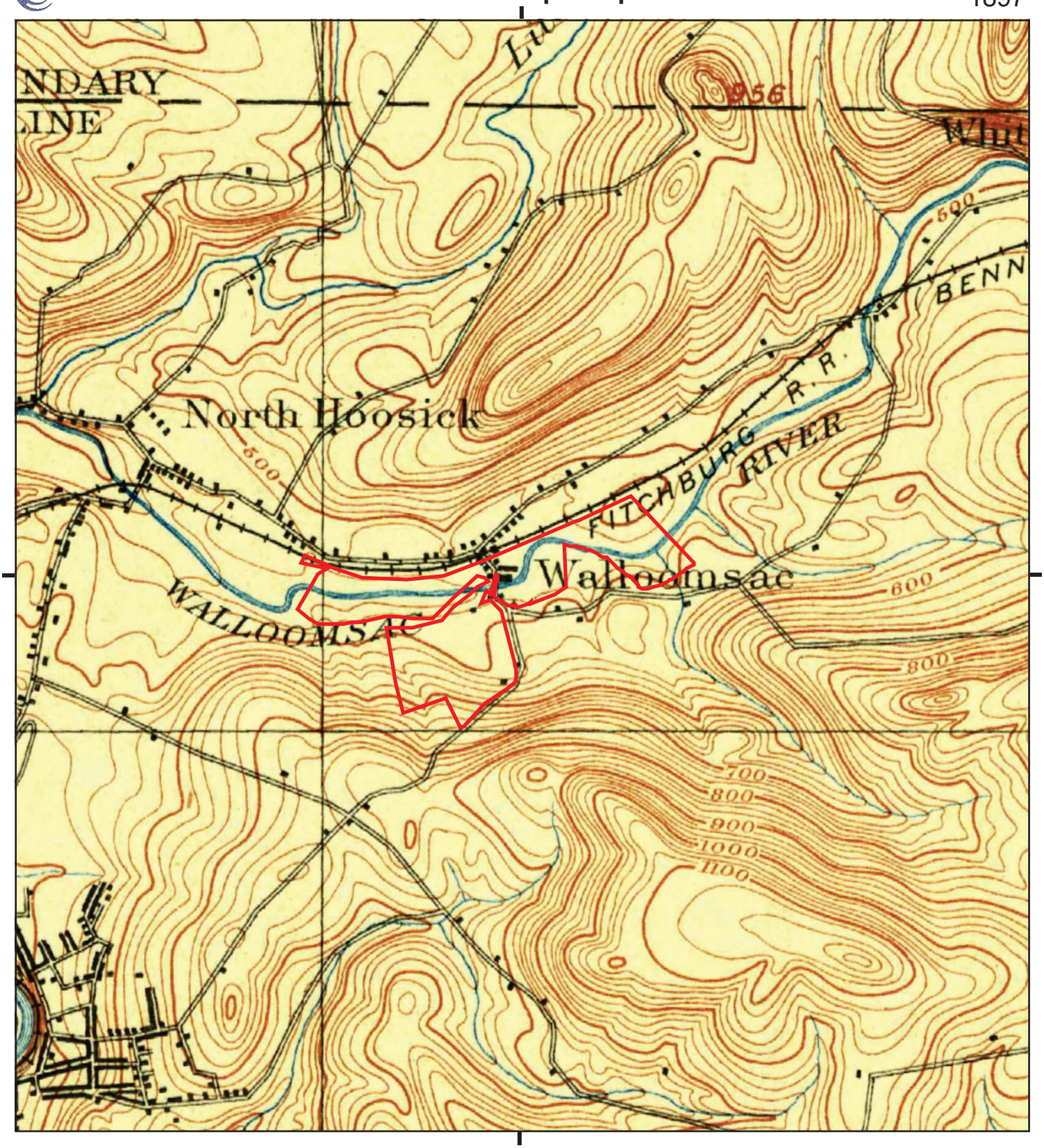
TP, Taconic, 1900, 30-minute

SITE NAME: Former Columbia Corporation
ADDRESS: 11 Cottrell Road
Hoosick Falls, NY 12090
CLIENT: CDM Smith, Inc.

N

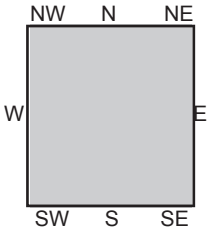
Historical Topo Map

1897



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



TP, Hoosick, 1897, 15-minute

SITE NAME: Former Columbia Corporation
ADDRESS: 11 Cottrell Road
Hoosick Falls, NY 12090
CLIENT: CDM Smith, Inc.

N

Former Columbia Corporation
11 Cottrell Road
Hoosick Falls, NY 12090

Inquiry Number: 6398565.6
March 09, 2021

The EDR Property Tax Map Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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Former Columbia Corporation
11 Cottrell Road
Hoosick Falls, NY 12090

Inquiry Number: 06398565.2r
March 10, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

11 COTTRELL ROAD
HOOSICK FALLS, NY 12090

COORDINATES

Latitude (North):	42.9235730 - 42˚ 55' 24.86''
Longitude (West):	73.3209690 - 73˚ 19' 15.48''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	637029.9
UTM Y (Meters):	4753480.5
Elevation:	467 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5935501 HOOSICK FALLS, NY
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150507
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
11 COTTRELL ROAD
HOOSICK FALLS, NY 12090

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	BENNINGTON PAPERBOAR	11 COTTRELL RD @ RT	NY Spills		TP
A2	BENNINGTON PAPERBOAR	11 COTTRELL ROAD	ICIS, FINDS, ECHO		TP
A3	BENNINGTON PAPERBOAR	11 COTTRELL RD RTE 6	SEMS-ARCHIVE, RCRA-VSQG, RI MANIFEST, NY MANIFEST		TP
A4	WALLOOMSAC RECYCLING	11 COTTRELL RD	NY SHWS, NY SWF/LF, NY AIRS, NY SPDES		TP
B5	BENNINGTON PAPERBOAR	RT 67 @ COTTRELL RD	NY Spills	Lower	1 ft.
6	RT 67 BAKAITIS MINE	COBBLE HILL RD	FINDS	Higher	1 ft.
7	BENNINGTON PAPERBOAR	ROUTE 67	FINDS, ECHO	Higher	1 ft.
B8	BENNINGTON PAPERBOAR	RT 67 @ COTTRELL RD	NY Spills	Lower	1 ft.
9	BENNINGTON PAPERBOAR	ROUTE 67	NY CBS, NY AST, NY CBS AST	Higher	49, 0.009, WNW
B10	ZABEL (?) RES COTTRE	56 COTTRELL RD	NY Spills	Higher	158, 0.030, South
C11	GRAPHITEX INC	4883 NY RTE 67	RCRA-VSQG, NY MANIFEST	Higher	163, 0.031, West
C12	TRUCK RT 67 TO RT 22	4883 RT 67 TO 22364	NY Spills	Higher	362, 0.069, West
13	ALEXANDER SCHMIGEL P	5032 NY RT 67	NY Spills	Higher	530, 0.100, NE
14	SONNY'S MOTORS	P.O. BOX 51	NY SWF/LF	Higher	754, 0.143, NE
D15	SCHMIGEL ALEXANDER S	5079 NY RTE 67	RCRA-SQG, NY MANIFEST	Higher	1246, 0.236, NE
D16	B & B SALVAGE	5079 NY 67	NY SWF/LF	Higher	1247, 0.236, NE
17	NEWARK GROUP INDUSTR	WALLOOMSAC DIVISION	NY CBS, NY CBS AST	Higher	1280, 0.242, South
18	BROWN'S BREWERY	BABY LANE	NY SWF/LF	Lower	1726, 0.327, West
19	COLUMBIA CORP.	ROUTE 67	NY HSWDS	Higher	1770, 0.335, SE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
BENNINGTON PAPERBOAR 11 COTTRELL RD @ RT NORTH HOOSICK, NY	NY Spills Spill Number/Closed Date: 0713805 / 2008-03-31 Site ID: 395623 Spill Date: 2008-03-30	N/A
BENNINGTON PAPERBOAR 11 COTTRELL ROAD HOOSICK FALLS, NY 12090	ICIS FRS ID:: 110044905403 FINDS Registry ID:: 110044905403 ECHO Registry ID: 110044905403	N/A
BENNINGTON PAPERBOAR 11 COTTRELL RD RTE 6 NORTH HOOSICK, NY 12133	SEMS-ARCHIVE Site ID: 0201348 EPA Id: NYD002063154 RCRA-VSQG EPA ID:: NYD002063154 RI MANIFEST EPA Id: NYD002063154 Manifest Document Number: RIG0252201 NY MANIFEST EPA ID: NYD002063154	NYD002063154
WALLOOMSAC RECYCLING 11 COTTRELL RD HOOSICK FALLS, NY 12090	NY SHWS Site Code: 57488 NY SWF/LF NY AIRS DEC Id: 4382800006 NY SPDES Limit Set Status Flag: A Permit Number: NY0005061	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ..... Federal Facility Site Information listing
SEMS ..... Superfund Enterprise Management System

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

State and tribal leaking storage tank lists

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
NY LTANKS ..... Spills Information Database
NY HIST LTANKS ..... Listing of Leaking Storage Tanks

State and tribal registered storage tank lists

FEMA UST ..... Underground Storage Tank Listing

EXECUTIVE SUMMARY

NY UST ..... Petroleum Bulk Storage (PBS) Database
NY CBS UST ..... Chemical Bulk Storage Database
NY MOSF UST ..... Major Oil Storage Facilities Database
NY MOSF ..... Major Oil Storage Facility Site Listing
NY MOSF AST ..... Major Oil Storage Facilities Database
INDIAN UST ..... Underground Storage Tanks on Indian Land
NY TANKS ..... Storage Tank Faciliy Listing

State and tribal institutional control / engineering control registries

NY RES DECL ..... Restrictive Declarations Listing
NY ENG CONTROLS ..... Registry of Engineering Controls
NY INST CONTROL ..... Registry of Institutional Controls

State and tribal voluntary cleanup sites

NY VCP ..... Voluntary Cleanup Agreements
INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY BROWNFIELDS ..... Brownfields Site List
NY ERP ..... Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

NY SWRCY ..... Registered Recycling Facility List
NY SWTIRE ..... Registered Waste Tire Storage & Facility List
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register
NY DEL SHWS ..... Delisted Registry Sites
US CDL ..... National Clandestine Laboratory Register
NY PFAS ..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

NY HIST UST ..... Historical Petroleum Bulk Storage Database
NY HIST AST ..... Historical Petroleum Bulk Storage Database

Local Land Records

NY LIENS ..... Spill Liens Information

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
NY Hist Spills	SPILLS Database
NY SPILLS 90	SPILLS 90 data from FirstSearch
NY SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
NY COAL ASH	Coal Ash Disposal Site Listing
NY DRYCLEANERS	Registered Drycleaners
NY E DESIGNATION	E DESIGNATION SITE LISTING
NY Financial Assurance	Financial Assurance Information Listing
NY VAPOR REOPENED	Vapor Intrusion Legacy Site List
NY UIC	Underground Injection Control Wells
NY COOLING TOWERS	Registered Cooling Towers
NY LEAD	Lead-based Paint Testing Results
MINES MRDS	Mineral Resources Data System

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR Hist Auto..... EDR Exclusive Historical Auto Stations
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/14/2020 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCHMIGEL ALEXANDER S EPA ID:: NYR000161547	***5079 NY RTE 67***	***NE 1/8 - 1/4 (0.236 mi.)***	***D15***	***90***

EXECUTIVE SUMMARY

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 12/14/2020 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GRAPHITEX INC EPA ID:: NYR000149377	***4883 NY RTE 67***	***W 0 - 1/8 (0.031 mi.)***	***C11***	***80***

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the NY SWF/LF list, as provided by EDR, and dated 09/30/2020 has revealed that there are 3 NY SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SONNY'S MOTORS	P.O. BOX 51	NE 1/8 - 1/4 (0.143 mi.)	14	88
B & B SALVAGE	5079 NY 67	NE 1/8 - 1/4 (0.236 mi.)	D16	94

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROWN'S BREWERY	BABY LANE	W 1/4 - 1/2 (0.327 mi.)	18	97

State and tribal registered storage tank lists

NY CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the NY CBS list, as provided by EDR, and dated 09/21/2020 has revealed that there are 2 NY CBS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BENNINGTON PAPERBOAR Facility Status: Unregulated/Closed CBS Number: 4-000075	***ROUTE 67***	***WNW 0 - 1/8 (0.009 mi.)***	***9***	***71***
NEWARK GROUP INDUSTR Facility Status: Unregulated/Closed CBS Number: 4-000187	***WALLOOMSAC DIVISION***	***S 1/8 - 1/4 (0.242 mi.)***	***17***	***95***

EXECUTIVE SUMMARY

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, has revealed that there is 1 NY AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BENNINGTON PAPERBOAR	***ROUTE 67***	***WNW 0 - 1/8 (0.009 mi.)***	***9***	***71***
Database: AST, Date of Government Version: 09/21/2020 Facility Id: 4-101664				

NY CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 NY CBS AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BENNINGTON PAPERBOAR	***ROUTE 67***	***WNW 0 - 1/8 (0.009 mi.)***	***9***	***71***
Facility Status: 1 Facility Status: 1 CBS Number: 4-000075				
NEWARK GROUP INDUSTR	***WALLOOMSAC DIVISION***	***S 1/8 - 1/4 (0.242 mi.)***	***17***	***95***
Facility Status: 1 Facility Status: 1 CBS Number: 4-000187				

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 11/09/2020 has revealed that there are 5 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ZABEL (?) RES COTTRE	56 COTTRELL RD	S 0 - 1/8 (0.030 mi.)	B10	79
Spill Number/Closed Date: 9804530 / 1998-07-13 Site ID: 150370 Spill Date: 1998-07-10				
TRUCK RT 67 TO RT 22	4883 RT 67 TO 22364	W 0 - 1/8 (0.069 mi.)	C12	86
Spill Number/Closed Date: 0913735 / 2010-03-29				

Site ID: 426699 Spill Date: 2010-03-26				
ALEXANDER SCHMIGEL P Spill Number/Closed Date: 1709883 / 2019-04-18 Site ID: 566350 Spill Date: 2018-01-29	5032 NY RT 67	NE 0 - 1/8 (0.100 mi.)	13	87

Lower Elevation	Address	Direction / Distance	Map ID	Page
BENNINGTON PAPERBOAR Spill Number/Closed Date: 9512646 / 1996-01-12 Spill Number/Closed Date: 0306250 / 2003-10-20 Site ID: 221382 Site ID: 229164 Spill Date: 1996-01-10 Spill Date: 2003-09-12	RT 67 @ COTTRELL RD	0 - 1/8 (0.000 mi.)	B5	67
BENNINGTON PAPERBOAR Spill Number/Closed Date: 0706381 / 2007-09-07 Site ID: 386889 Spill Date: 2007-09-07	RT 67 @ COTTRELL RD	0 - 1/8 (0.000 mi.)	B8	70

Other Ascertainable Records

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 11/04/2020 has revealed that there are 2 FINDS sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RT 67 BAKAITIS MINE Registry ID:: 110019446866	COBBLE HILL RD	0 - 1/8 (0.000 mi.)	6	69
BENNINGTON PAPERBOAR Registry ID:: 110007382858	***ROUTE 67***	***0 - 1/8 (0.000 mi.)***	***7***	***70***

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 10/03/2020 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BENNINGTON PAPERBOAR	***ROUTE 67***	***0 - 1/8 (0.000 mi.)***	***7***	***70***

EXECUTIVE SUMMARY

Registry ID: 110007382858

NY HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the NY HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there is 1 NY HSWDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COLUMBIA CORP.	ROUTE 67	SE 1/4 - 1/2 (0.335 mi.)	19	97

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there are 2 NY MANIFEST sites within approximately 0.25 miles of the target property.

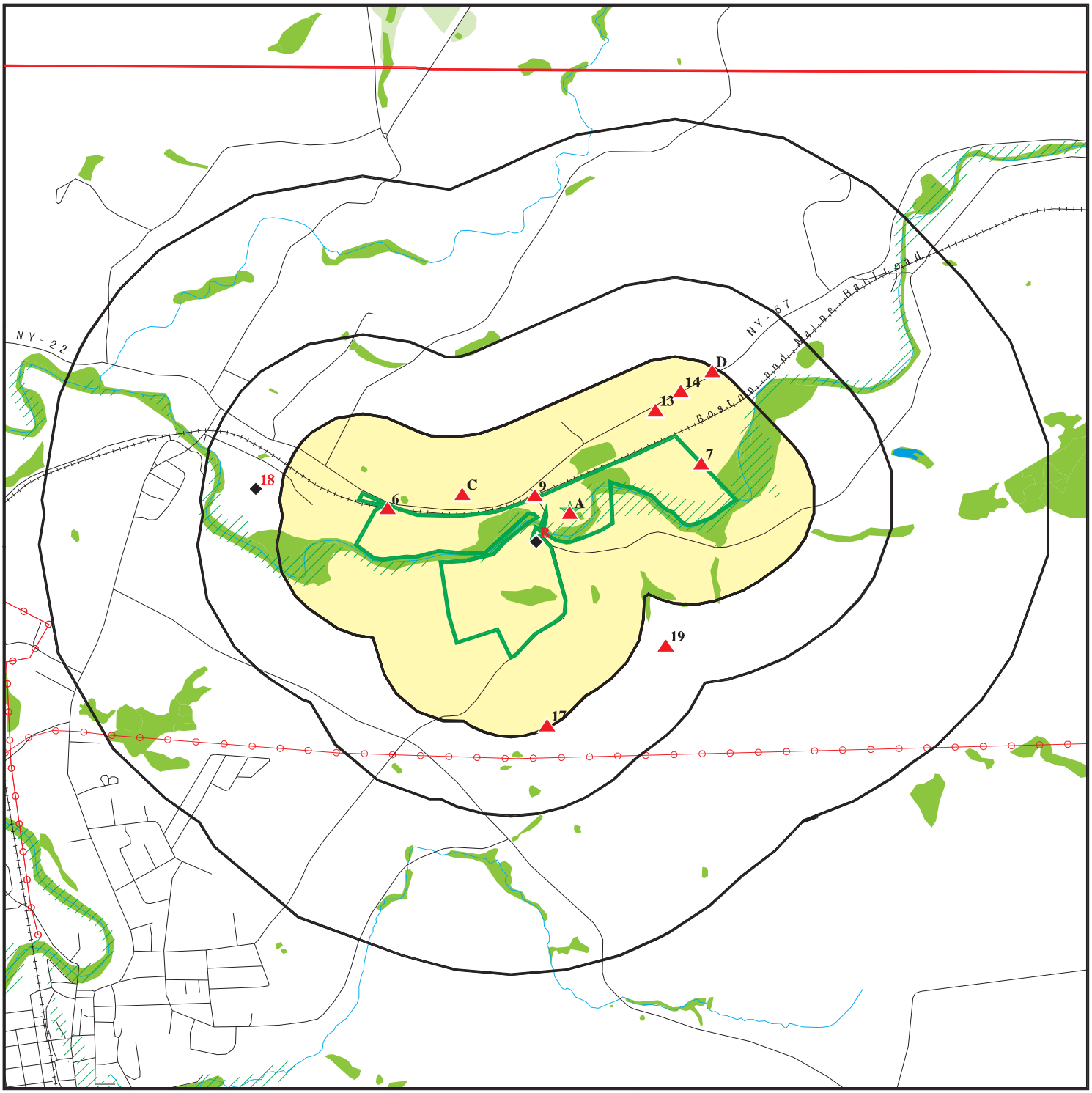
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GRAPHITEX INC EPA ID: NYR000149377	***4883 NY RTE 67***	***W 0 - 1/8 (0.031 mi.)***	***C11***	***80***
SCHMIGEL ALEXANDER S EPA ID: NYR000161547	***5079 NY RTE 67***	***NE 1/8 - 1/4 (0.236 mi.)***	***D15***	***90***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
COLUMBIA CORP RT 67 @COTTREL BENNI	NY Spills, NY AIRS

OVERVIEW MAP - 06398565.2R



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

County Boundary

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Columbia Corporation	CLIENT: CDM Smith, Inc.
ADDRESS: 11 Cottrell Road Hoosick Falls NY 12090	CONTACT: Lia Estrada
LAT/LONG: 42.923573 / 73.320969	INQUIRY #: 06398565.2r DATE: March 10, 2021 8:40 am

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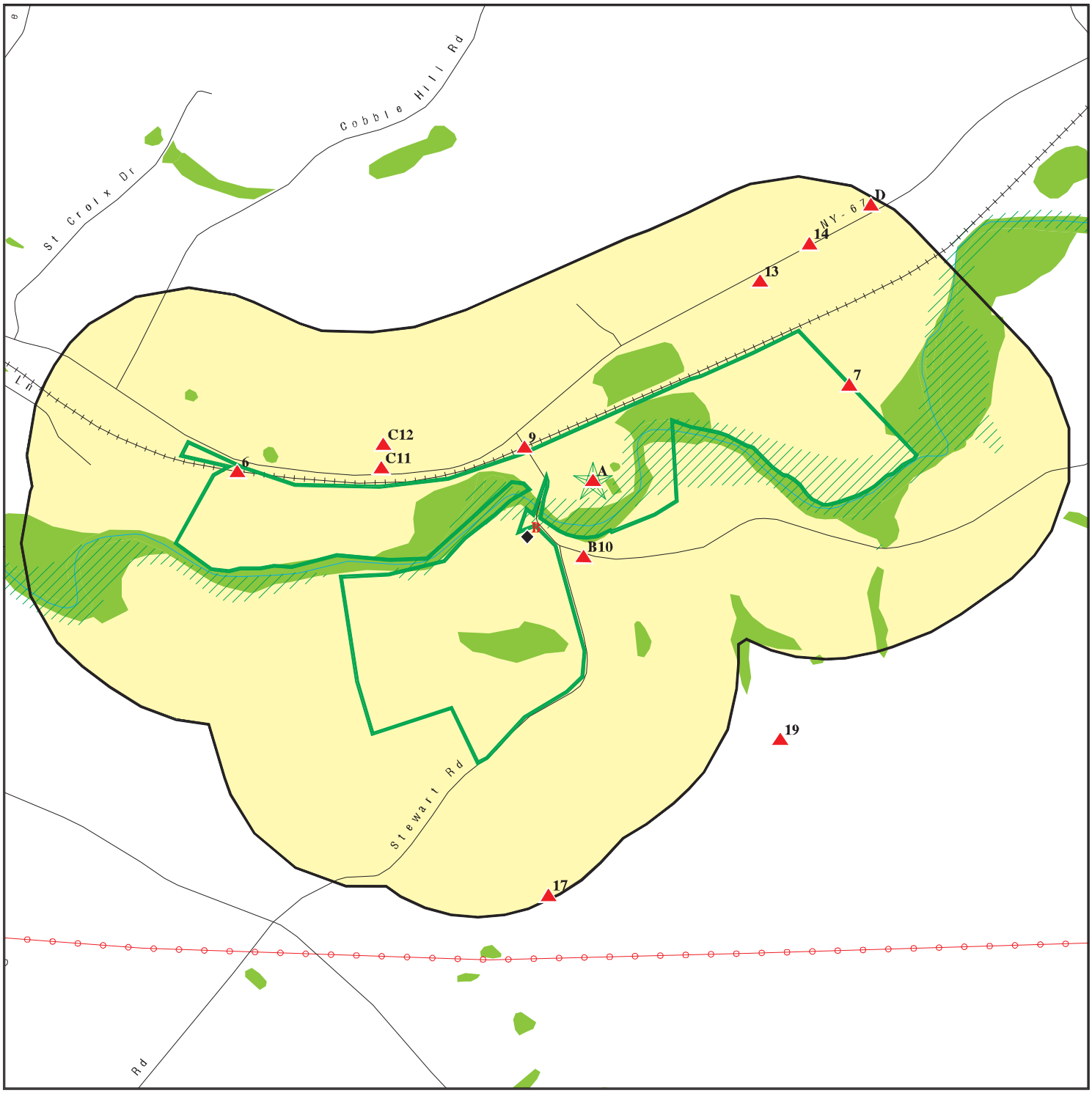
DETAIL MAP - 06398565.2R



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

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LAT/LONG: 42.923573 / 73.320969	DATE: March 10, 2021 8:40 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500	1	0	0	0	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250	1	1	0	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000	1	0	0	0	0	NR	1
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500	1	0	2	1	NR	NR	4
State and tribal leaking storage tank lists								
INDIAN LUST	0.500		0	0	0	NR	NR	0
NY LTANKS	0.500		0	0	0	NR	NR	0
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY UST	0.250		0	0	NR	NR	NR	0
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		1	1	NR	NR	NR	2
NY AST	0.250		1	0	NR	NR	NR	1
NY CBS AST	0.250		1	1	NR	NR	NR	2
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
NY TANKS	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY RES DECL	0.125		0	NR	NR	NR	NR	0
NY ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY BROWNFIELDS	0.500		0	0	0	NR	NR	0
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
NY PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	0	NR	NR	NR	0
NY HIST AST	0.001		0	NR	NR	NR	NR	0
Local Land Records								
NY LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
NY Spills	0.125	1	5	NR	NR	NR	NR	6
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001	1	0	NR	NR	NR	NR	1
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	1	2	NR	NR	NR	NR	3
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001	1	1	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
NY AIRS	0.001	1	0	NR	NR	NR	NR	1
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NY E DESIGNATION	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY Financial Assurance	0.001		0	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	1	NR	NR	1
NY MANIFEST	0.250	1	1	1	NR	NR	NR	3
RI MANIFEST	0.250	1	0	0	NR	NR	NR	1
NY SPDES	0.001	1	0	NR	NR	NR	NR	1
NY VAPOR REOPENED	0.500		0	0	0	NR	NR	0
NY UIC	0.001		0	NR	NR	NR	NR	0
NY COOLING TOWERS	0.001		0	NR	NR	NR	NR	0
NY LEAD	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	0.001		0	NR	NR	NR	NR	0
NY RGA LF	0.001		0	NR	NR	NR	NR	0
- Totals --		12	13	6	2	0	0	33

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property | **BENNINGTON PAPERBOARD COTTRELL RD @ RT 67**
11 COTTRELL RD @ RT 67
NORTH HOOSICK, NY | **NY Spills** | **S109061130**
N/A

Site 1 of 4 in cluster A

Actual: 467 ft.

SPILLS:

Name:	BENNINGTON PAPERBOARD COTTRELL RD @ RT 67
Address:	11 COTTRELL RD @ RT 67
City,State,Zip:	NORTH HOOSICK, NY
Spill Number/Closed Date:	0713805 / 2008-03-31
Facility ID:	0713805
Facility Type:	ER
DER Facility ID:	345144
Site ID:	395623
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	4228
Spill Date:	2008-03-30
Investigator:	WEBLAIN
Referred To:	Not reported
Reported to Dept:	2008-03-30
CID:	74
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-03-30
Spill Record Last Update:	2016-03-30
Spiller Name:	TED
Spiller Company:	ARG TRUCKING @ BENNINGTON PAPERBOARD
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	DAVID SCHULKE
DEC Memo:	"3/31/08 Blain telecon Schulke (Bennington Co.) cleanup swift and successful. closed PBS 4-101664 (Rt 67); CBS 4-000075 (Rt 67) (CBS 4-000187); SEE 9512646, 0306250, 0706381, 0713805. (HW 442005?)"
Remarks:	"10-15 gallons of oil - spill onto gravel next to tank Failed gasket on the suction side of the truck pump of ARG trucking Co."

All Materials:

Site ID:	395623
Operable Unit ID:	1152565
Operable Unit:	01
Material ID:	2143344
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	G
Recovered:	15.00
Oxygenate:	Not reported

A2 Target Property | **BENNINGTON PAPERBOARD CO**
11 COTTRELL ROAD
HOOSICK FALLS, NY 12090 | **ICIS** | **1016043041**
FINDS | **N/A**
ECHO

Site 2 of 4 in cluster A

Actual: 467 ft.

ICIS:

Enforcement Action ID:	NY000A0000438280000600026
FRS ID:	110044905403
Action Name:	WALLOOMSAC RECYCLING 360830000100026
Facility Name:	WALLOOMSAC RECYCLING
Facility Address:	11 COTTRELL RD HOOSICK FALLS, NY 12090
Enforcement Action Type:	Administrative Order
Facility County:	RENSSELAER
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2631
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.91999
Longitude in Decimal Degrees:	-73.32
Permit Type Desc:	Not reported
Program System Acronym:	NY0000004382800006
Facility NAICS Code:	322130
Tribal Land Code:	Not reported

Enforcement Action ID:	NY000A0000438280000600024
FRS ID:	110044905403
Action Name:	WALLOOMSAC RECYCLING 360830000100024
Facility Name:	WALLOOMSAC RECYCLING
Facility Address:	11 COTTRELL RD HOOSICK FALLS, NY 12090
Enforcement Action Type:	Notice of Violation
Facility County:	RENSSELAER
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2631
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.91999
Longitude in Decimal Degrees:	-73.32
Permit Type Desc:	Not reported
Program System Acronym:	NY0000004382800006
Facility NAICS Code:	322130
Tribal Land Code:	Not reported

Enforcement Action ID:	NY000A0000438280000600015
FRS ID:	110044905403
Action Name:	WALLOOMSAC RECYCLING 360830000100015
Facility Name:	WALLOOMSAC RECYCLING
Facility Address:	11 COTTRELL RD HOOSICK FALLS, NY 12090
Enforcement Action Type:	Notice of Violation
Facility County:	RENSSELAER
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2631

BENNINGTON PAPERBOARD CO (Continued) **1016043041**

Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.91999
Longitude in Decimal Degrees:	-73.32
Permit Type Desc:	Not reported
Program System Acronym:	NY0000004382800006
Facility NAICS Code:	322130
Tribal Land Code:	Not reported

FINDS:
Registry ID: 110044905403

Click Here:

Environmental Interest/Information System:
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
AIR MAJOR
HAZARDOUS AND CRITERIA AIR POLLUTANT MAJOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016043041
Registry ID:	110044905403
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110044905403
Name:	BENNINGTON PAPERBOARD CO
Address:	11 COTTRELL ROAD
City,State,Zip:	HOOSICK FALLS, NY 12090

A3 Target Property | **BENNINGTON PAPERBOARD CO**
11 COTTRELL RD RTE 67
NORTH HOOSICK, NY 12133 | **SEMS-ARCHIVE** **1000425753**
RCRA-VSQG **NYD002063154**
RI MANIFEST
NY MANIFEST

Site 3 of 4 in cluster A

Actual: 467 ft.

SEMS Archive:

Site ID:	0201348
EPA ID:	NYD002063154
Name:	COLUMBIA CORP

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Address:	NY RTE 67
Address 2:	Not reported
City,State,Zip:	WALLOOMSAC, NY 12133
Cong District:	29
FIPS Code:	36083
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	02
Site ID:	0201348
EPA ID:	NYD002063154
Site Name:	COLUMBIA CORP
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1987-06-08 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	02
Site ID:	0201348
EPA ID:	NYD002063154
Site Name:	COLUMBIA CORP
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1978-02-01 05:00:00
Finish Date:	1978-02-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0201348
EPA ID:	NYD002063154
Site Name:	COLUMBIA CORP
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1987-06-08 04:00:00
Qual:	N
Current Action Lead:	St Perf

RCRA-VSQG:

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	BENNINGTON PAPERBOARD CO
Handler Address:	11 COTTRELL RD RTE 67
Handler City,State,Zip:	NORTH HOOSICK, NY 12133
EPA ID:	NYD002063154
Contact Name:	GARY LANCOUR
Contact Address:	COTTRELL RD RTE 67
Contact City,State,Zip:	NORTH HOOSICK, NY 12133
Contact Telephone:	518-686-7357
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R4
Mailing Address:	COTTRELL RD RTE 67
Mailing City,State,Zip:	NORTH HOOSICK, NY 12133
Owner Name:	THE NEWARK GROUP
Owner Type:	Private
Operator Name:	THE NEWARK GROUP
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	THE NEWARK GROUP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	20 JACKSON DR
Owner/Operator City,State,Zip:	CRANFORD, NJ 07016
Owner/Operator Telephone:	908-276-2888
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE NEWARK GROUP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	20 JACKSON DR
Owner/Operator City,State,Zip:	CRANFORD, NJ 07016
Owner/Operator Telephone:	908-276-2888
Owner/Operator Telephone Ext:	Not reported

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: THE NEWARK GROUP
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 20 JACKSON DR
Owner/Operator City,State,Zip: CRANFORD, NJ 07016
Owner/Operator Telephone: 908-276-2888
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2006-01-01 00:00:00.0
Handler Name: BENNINGTON PAPERBOARD CO
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-01-01 00:00:00.0
Handler Name: BENNINGTON PAPERBOARD CO
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-01-10 00:00:00.0
Handler Name: BENNINGTON PAPERBOARD CO
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

NAICS Code: 32213
NAICS Description: PAPERBOARD MILLS

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	2010-06-11 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1985-12-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

RI MANIFEST:

Name:	BENNINGTON PAPERBOARD COMPANY
Address:	11 COTTRELL RD RTE 67
City,State,Zip:	NORTH HOOSICK, NY 12133
EPA Id:	NYD002063154

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

GEN Cert Date:	5/25/2005
Manifest Document Number:	RIG0252201
Waste Description:	WASTE COMBUSTIBLE LIQUID NOS,
TSDF Id:	RID084802842
TSDF Name:	United Oil Recovery Inc
Qty:	91
WT/Vol Units:	G
TSDF Date:	5/25/2005
Transporter 2 Id:	CTD021816889
Item Number:	19708
Transporter 2 Name:	5/25/2005
Transporter Name 2:	UNITED INDUSTRIAL SERVICES
Transporter EPAID:	CTD021816889
Transporter Receipt Date:	5/25/2005
Number Of Containers:	5
Container Type:	DM
Waste Code1:	NONE
Waste Code2:	NONE
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Fee Exempt Code:	Not reported
Comment:	Not reported
Transporter Name 2:	UNITED INDUSTRIAL SERVICES
Company Permit Number:	Not reported
Year:	Not reported
Quarter:	Not reported
Transporter Contact Name:	Not reported
Transporter Contact Email:	Not reported
Filing Date:	Not reported
Total Fee:	Not reported
Billing Name:	Not reported
Paid Date:	Not reported
Paid Time:	Not reported
Facility Receipt Date:	Not reported
Fee:	Not reported
Manifest Created Date:	Not reported
Manifest Updated Date:	Not reported

RI MANIFEST:

Transporter Receipt Date:	11/2/2007
Number Of Containers:	3
Container Type:	DM
Waste Code1:	VT02
Waste Code2:	R003
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF Id:	RID084802842
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	NYD002063154

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Manifest Docket Number:	000043161UIS
Quarter:	Not reported
Waste Description:	PETROLEUM DISTILLATES NOS
Transporter Contact Name:	Not reported
Quantity:	75
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	11/2/2007
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	11/12/2007
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	3/29/2007
Number Of Containers:	1
Container Type:	DM
Waste Code1:	R003
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF Id:	RID084802842
Transporter Name 2:	UNITED INDUSTRIAL SERVICES
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	NYD002063154
Manifest Docket Number:	000158339GBF
Quarter:	Not reported
Waste Description:	WASTE PETROLEUM DISTILLATES NOS
Transporter Contact Name:	Not reported
Quantity:	15
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	3/29/2007

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	3/31/2007
Transporter 2 ID:	CTD021816889
Manifest Updated Date:	Not reported
Transporter Receipt Date:	8/16/2007
Number Of Containers:	2
Container Type:	DM
Waste Code1:	R003
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF Id:	RID084802842
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	NYD002063154
Manifest Docket Number:	000038701UIS
Quarter:	Not reported
Waste Description:	WASTE PETROLEUM DISTILLATES NOS
Transporter Contact Name:	Not reported
Quantity:	60
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	8/16/2007
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	8/27/2007
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	8/16/2007
Number Of Containers:	2
Container Type:	DM
Waste Code1:	R003
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF Id:	RID084802842
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	NYD002063154
Manifest Docket Number:	000038701UIS
Quarter:	Not reported
Waste Description:	WASTE PETROLEUM DISTILLATES NOS
Transporter Contact Name:	Not reported
Quantity:	60
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	8/16/2007
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	8/27/2007
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	9/14/2007
Number Of Containers:	1
Container Type:	DM
Waste Code1:	R003
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF Id:	RID084802842
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	NYD002063154
Manifest Docket Number:	000049152UIS
Quarter:	Not reported
Waste Description:	WASTE PETROLEUM DISTILLATES NOS
Transporter Contact Name:	Not reported
Quantity:	15
Transporter Contact Email:	Not reported
WT/Vol Units:	G

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	9/14/2007
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	9/24/2007
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	1/2/2007
Number Of Containers:	1
Container Type:	DM
Waste Code1:	R003
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF Id:	RID084802842
Transporter Name 2:	UNITED INDUSTRIAL SERVICES
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	NYD002063154
Manifest Docket Number:	000028136GBF
Quarter:	Not reported
Waste Description:	WASTE PETROLEUM DISTILLATES NOS
Transporter Contact Name:	Not reported
Quantity:	30
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	1/2/2007
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	1/10/2007
Transporter 2 ID:	CTD021816889
Manifest Updated Date:	Not reported

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Transporter Receipt Date:	3/29/2007
Number Of Containers:	1
Container Type:	DM
Waste Code1:	R003
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF Id:	RID084802842
Transporter Name 2:	UNITED INDUSTRIAL SERVICES
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	NYD002063154
Manifest Docket Number:	000158339GBF
Quarter:	Not reported
Waste Description:	WASTE PETROLEUM DISTILLATES NOS
Transporter Contact Name:	Not reported
Quantity:	15
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	3/29/2007
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	3/31/2007
Transporter 2 ID:	CTD021816889
Manifest Updated Date:	Not reported

Transporter Receipt Date:	1/2/2007
Number Of Containers:	1
Container Type:	DM
Waste Code1:	R003
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF Id:	RID084802842
Transporter Name 2:	UNITED INDUSTRIAL SERVICES
Company Permit Number:	Not reported
Year:	Not reported

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

EPA ID:	NYD002063154
Manifest Docket Number:	000028136GBF
Quarter:	Not reported
Waste Description:	WASTE PETROLEUM DISTILLATES NOS
Transporter Contact Name:	Not reported
Quantity:	30
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	1/2/2007
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	1/10/2007
Transporter 2 ID:	CTD021816889
Manifest Updated Date:	Not reported
Transporter Receipt Date:	9/14/2007
Number Of Containers:	1
Container Type:	DM
Waste Code1:	R003
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF Id:	RID084802842
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	NYD002063154
Manifest Docket Number:	000049152UIS
Quarter:	Not reported
Waste Description:	WASTE PETROLEUM DISTILLATES NOS
Transporter Contact Name:	Not reported
Quantity:	15
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

GEN Cert Date:	9/14/2007
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	9/24/2007
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported

Transporter Receipt Date:	11/2/2007
Number Of Containers:	3
Container Type:	DM
Waste Code1:	VT02
Waste Code2:	R003
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF Id:	RID084802842
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	NYD002063154
Manifest Docket Number:	000043161UIS
Quarter:	Not reported
Waste Description:	PETROLEUM DISTILLATES NOS
Transporter Contact Name:	Not reported
Quantity:	75
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	11/2/2007
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	11/12/2007
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported

Transporter Receipt Date:	2/13/2006
Number Of Containers:	2
Container Type:	DM
Waste Code1:	NONE
Waste Code2:	R003
Waste Code3:	Not reported
Waste Code4:	Not reported

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF Id:	RID084802842
Transporter Name 2:	UNITED INDUSTRIAL SERVICES
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	NYD002063154
Manifest Docket Number:	RIG0266633
Quarter:	Not reported
Waste Description:	WASTE COMBUSTIBLE LIQUID NOS,
Transporter Contact Name:	Not reported
Quantity:	60
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	2/13/2006
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	2/13/2006
Manifest Created Date:	Not reported
TSDF Receipt Date:	2/13/2006
Transporter 2 ID:	CTD021816889
Manifest Updated Date:	Not reported

Click this hyperlink while viewing on your computer to access
12 additional RI_MANIFEST: record(s) in the EDR Site Report.

NY MANIFEST:

Name:	BENNINGTON PAPERBOARD CO
Address:	11 COTTRELL RD RTE 67
City,State,Zip:	NORTH HOOSICK, NY 12133
Country:	USA
EPA ID:	NYD002063154
Facility Status:	Not reported
Location Address 1:	ROUTE 67
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH HOOSICK
Location State:	NY
Location Zip:	12133
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD002063154
Mailing Name:	BENNINGTON PAPERBOARD CO

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Mailing Contact:	GARY LANCOUR
Mailing Address 1:	ROUTE 67
Mailing Address 2:	Not reported
Mailing City:	NORTH HOOSICK
Mailing State:	NY
Mailing Zip:	12133
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	5186867357

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYR000115733
Trans2 State ID:	Not reported
Generator Ship Date:	11/16/2009
Trans1 Recv Date:	11/16/2009
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/25/2009
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002063154
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	PAD067098822
TSDF ID 2:	Not reported
Manifest Tracking Number:	001527371FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	145
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	4
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	D002
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported

BENNINGTON PAPERBOARD CO (Continued) **1000425753**

Waste Code 1_6: Not reported

A4 Target Property | **WALLOOMSAC RECYCLING**
11 COTTRELL RD
HOOSICK FALLS, NY 12090 | **NY SHWS** **S111705924**
NY SWF/LF **N/A**
NY AIRS
NY SPDES

Site 4 of 4 in cluster A

Actual: 467 ft.

SHWS:

Name: FORMER COLUMBIA CORPORATION
Address: 11 COTTRELL ROAD
City,State,Zip: HOOSICK, NY 12090
Program: HW
Site Code: 57488
Classification: Not reported
Region: 4
Acres: 31.57
HW Code: 442005
Record Add: 11/18/1999
Record Upd: 06/10/2020
Updated By: EGHAUSAM
Site Description: Location: The Former Columbia Corporation is located at 11 Cottrell Road in the Town of Hoosick just south of Route 67 along the Walloomsac River. A rail line owned by Vermont Railway, Inc. is located between Route 67 and the Site. Site Features: The central portion of the site, north of the Walloomsac River, consists of an auto salvage yard and several buildings, some of which are occupied by Walloomsac Metal Recycling. There are two inactive landfills in the wooded portion of the site. South of the Walloomsac River are two settling ponds/lagoons which are no longer in use. Current Zoning and Land Use: The Site is currently zoned for Light Industrial Manufacturing and Processing and Agricultural-Field Crops use. Parcels to the south, east, and west of the facility consist of mostly agricultural land with a few residential properties. North of the facility consists mostly of residential homes and vacant land. Past Use of the Site: Since the 1850s the facility has been predominantly a paper mill with various owners/company names including the Walloomsac Paper Company, Stevens and Thompson, Windsor Paper Company, Columbia Boxboard, and Bennington Paperboard Company. Materials produced at the facility include meat packaging products, filters, and appliance shipping cartons. Two settling basins/lagoons located southwest of the main plant buildings across the river were used in the past, but do not appear to be used in present-day operations. Approximately 6,000 lbs per day of solid waste consisting of wood, refining rejects (metals, plastic and fiber), wire and rags was deposited in the landfill during operations. Soil saturated with #6 fuel oil was stored in drums and disposed of on site.
Env Problem: The Site was inspected by DEC in September 1979. At the time, there were two separate areas of concern, an inactive site and an active landfill. Paper mill sludge was not disposed of onsite. Based on the findings of a Phase I investigation completed by DEC, the site did not qualify for addition to the Registry of Inactive Hazardous Disposal Sites at the time. In December 2018, environmental samples ewre collected by the DEC Division of Materials Management under the Inactive Landfill Initiative. Sample analysis yielded groundwater results showing PFOA and PFOS above EPA s HAL of 70 ppt. PFOA concentrations ranged from 220 ppt to 270 ppt in groundwater and from

WALLOOMSAC RECYCLING (Continued) **S111705924**

170 ppt to 230 ppt in the lagoons. PFOS concentrations from 32 ppt to 110 ppt and 570 ppt to 820 ppt in groundwater and lagoons, respectively. In sediment, PFOA concentrations ranged from 1.6 ppb to 3.2 ppb and PFOS concentrations from 29 ppb to 62 ppb in sediment samples. Additional information regarding the nature and extent of contamination will be provided as investigations are completed.

Health Problem: As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.

Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: Not reported
Record Upd: Not reported
Updated By: Not reported
Own Op: 3
Sub Type: NNN
Owner Name: Not reported
Owner Company: COLUMBIA CORP.
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: ZZ
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: William brownell, sr
Owner Company: Walloomsac metal recycling
Owner Address: 818 white creek rd
Owner Addr2: Not reported
Owner City,St,Zip: north bennington, VT 5257
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: Not reported
Cross Ref Type: Not reported
Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

SWF/LF:
Name: COLUMBIA CORPORATION (HOOSICK)
Address: 11 COTTRELL ROAD
City,State,Zip: HOOSICK FALLS, NY
Flag: INACTIVE
Region Code: 4
Phone Number: Not reported
Owner Name: William Brownell, Senior
Owner Type: Private

WALLOOMSAC RECYCLING (Continued) **S111705924**

Owner Address:	818 White Creek Road
Owner Addr2:	Not reported
Owner City,St,Zip:	North Bennington, VT 05257
Owner Email:	Not reported
Owner Phone:	(802) 442-4505
Contact Name:	Dan Rothvoss
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	(518)821-4669
Activity Desc:	Industrial/Commercial
Activity Number:	Not reported
Active:	Not reported
East Coordinate:	637322.9359
North Coordinate:	4753940.52152
Accuracy Code:	1: Good; Perimeter clear
Regulatory Status:	None
Waste Type:	Not reported
Authorization #:	Not reported
Authorization Date:	Not reported
Expiration Date:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Laste Date:	Not reported

AIRS:

Name:	WALLOOMSAC RECYCLING
Address:	11 COTTRELL RD
City,State,Zip:	HOOSICK FALLS, NY 12090
DECID:	4382800006
Latitude:	42.923728788
Process ID:	Not reported
Longitude:	73.32194505
FIPS Code:	Not reported
Auth Type Code:	Not reported
Permit Status:	Expired
Auth Status Code:	Not reported
Emissions:	Not reported
Issue date:	12/05/2000
Expired Date:	12/05/2005
Emission Unit date:	Not reported
Contamination:	Not reported
EPA Control Code:	Not reported
Control Eff:	Not reported
Unit:	Not reported

Detail:

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439921
Contaminant:	LEAD
Amount(Lbs/Yr):	2.1306099999999999

WALLOOMSAC RECYCLING (Continued) **S111705924**

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007439976
Contaminant: MERCURY
Amount(Lbs/Yr): 9.6837155800000005E-2

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000071432
Contaminant: BENZENE
Amount(Lbs/Yr): 2.5926999999999998

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY998100
Contaminant: UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr): 75128.539999999994

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007782492
Contaminant: SELENIUM
Amount(Lbs/Yr): 8.9566000000000007E-2

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY075105
Contaminant: UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr): 40073.2151670811

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000050000

WALLOOMSAC RECYCLING (Continued) **S111705924**

Contaminant:	FORMALDEHYDE
Amount(Lbs/Yr):	59.967500000000001
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446095
Contaminant:	SULFUR DIOXIDE
Amount(Lbs/Yr):	276908.75
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000630080
Contaminant:	CARBON MONOXIDE
Amount(Lbs/Yr):	7055
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439965
Contaminant:	MANGANESE
Amount(Lbs/Yr):	1.0900000000000001
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000074828
Contaminant:	METHANE
Amount(Lbs/Yr):	1411
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000108883
Contaminant:	TOLUENE
Amount(Lbs/Yr):	12.4168
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008

WALLOOMSAC RECYCLING (Continued) **S111705924**

DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	064742887
Contaminant:	NAPHTHA, MEDIUM ALIPHATIC
Amount(Lbs/Yr):	80.040999999999997
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	010024972
Contaminant:	NITROUS OXIDE
Amount(Lbs/Yr):	155.21000000000001
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440417
Contaminant:	BERYLLIUM
Amount(Lbs/Yr):	5.9262000000000004E-3
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000630080
Contaminant:	CARBON MONOXIDE
Amount(Lbs/Yr):	11949.084999999999
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY075105
Contaminant:	UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr):	26632.120648
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007664417
Contaminant:	AMMONIA
Amount(Lbs/Yr):	1128.8
Auth Type:	Not reported

WALLOOMSAC RECYCLING (Continued) **S111705924**

Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007782492
Contaminant:	SELENIUM
Amount(Lbs/Yr):	5.3617999999999999E-2

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440417
Contaminant:	BERYLLIUM
Amount(Lbs/Yr):	1.0037231400000001E-2

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY210000
Contaminant:	OXIDES OF NITROGEN
Amount(Lbs/Yr):	112321.399

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000050000
Contaminant:	FORMALDEHYDE
Amount(Lbs/Yr):	100.1725

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440417
Contaminant:	BERYLLIUM
Amount(Lbs/Yr):	9.8993999999999992E-3

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	001330207
Contaminant:	XYLENE, M, O & P MIXT.

WALLOOMSAC RECYCLING (Continued) **S111705924**

Amount(Lbs/Yr):	17.923627499999998
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439921
Contaminant:	LEAD
Amount(Lbs/Yr):	3.6086236700000001
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446119
Contaminant:	SULFUR TRIOXIDE
Amount(Lbs/Yr):	14439.274314
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000091203
Contaminant:	NAPHTHALENE
Amount(Lbs/Yr):	1.0264264015
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	010024972
Contaminant:	NITROUS OXIDE
Amount(Lbs/Yr):	262.87986999999998
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440508
Contaminant:	COPPER
Amount(Lbs/Yr):	2.9226800000000002
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006

WALLOOMSAC RECYCLING (Continued) **S111705924**

Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007446119
Contaminant: SULFUR TRIOXIDE
Amount(Lbs/Yr): 13703.598

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000206440
Contaminant: FLUORANTHENE
Amount(Lbs/Yr): 4.4783000000000003E-4

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000108883
Contaminant: TOLUENE
Amount(Lbs/Yr): 20.741599999999998

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007439976
Contaminant: MERCURY
Amount(Lbs/Yr): 0.1631696889

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000630080
Contaminant: CARBON MONOXIDE
Amount(Lbs/Yr): 11785

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 064742887
Contaminant: NAPHTHA, MEDIUM ALIPHATIC
Amount(Lbs/Yr): 0.16900000000000001

Auth Type: Not reported
Issue Date: Not reported

WALLOOMSAC RECYCLING (Continued) **S111705924**

Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	001330207
Contaminant:	XYLENE, M, O & P MIXT.
Amount(Lbs/Yr):	17.677499999999998

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000091203
Contaminant:	NAPHTHALENE
Amount(Lbs/Yr):	1.0123314999999999

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007664417
Contaminant:	AMMONIA
Amount(Lbs/Yr):	1885.5999999999999

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000091203
Contaminant:	NAPHTHALENE
Amount(Lbs/Yr):	0.60602449999999997

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY998100
Contaminant:	UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr):	58886.754877959997

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000218019
Contaminant:	CHRYSENE
Amount(Lbs/Yr):	1.9754000000000001E-4

WALLOOMSAC RECYCLING (Continued) **S111705924**

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007440473
Contaminant: CHROMIUM
Amount(Lbs/Yr): 0.41999999999999998

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY075105
Contaminant: UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr): 17840.2681005542

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007440508
Contaminant: COPPER
Amount(Lbs/Yr): 1.7496400000000001

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007440508
Contaminant: COPPER
Amount(Lbs/Yr): 2.9633730800000002

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000067561
Contaminant: METHYL ALCOHOL
Amount(Lbs/Yr): 1756

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007446119

WALLOOMSAC RECYCLING (Continued) **S111705924**

Contaminant:	SULFUR TRIOXIDE
Amount(Lbs/Yr):	10053.375
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000206440
Contaminant:	FLUORANTHENE
Amount(Lbs/Yr):	2.6809000000000002E-4
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439976
Contaminant:	MERCURY
Amount(Lbs/Yr):	0.16500510600000001
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446095
Contaminant:	SULFUR DIOXIDE
Amount(Lbs/Yr):	397713.34513999999
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007664417
Contaminant:	AMMONIA
Amount(Lbs/Yr):	1911.8535999999999
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007782492
Contaminant:	SELENIUM
Amount(Lbs/Yr):	9.0813045999999994E-2
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006

WALLOOMSAC RECYCLING (Continued) **S111705924**

DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000050000
Contaminant:	FORMALDEHYDE
Amount(Lbs/Yr):	101.5672225
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000071432
Contaminant:	BENZENE
Amount(Lbs/Yr):	1.5521
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	001330207
Contaminant:	XYLENE, M, O & P MIXT.
Amount(Lbs/Yr):	10.5825
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000071432
Contaminant:	BENZENE
Amount(Lbs/Yr):	2.6287986999999999
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000074828
Contaminant:	METHANE
Amount(Lbs/Yr):	2389.817
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY998100
Contaminant:	UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr):	70758.971960724099
Auth Type:	Not reported

WALLOOMSAC RECYCLING (Continued) **S111705924**

Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000108883
Contaminant:	TOLUENE
Amount(Lbs/Yr):	21.030389599999999

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY210000
Contaminant:	OXIDES OF NITROGEN
Amount(Lbs/Yr):	66317

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000074828
Contaminant:	METHANE
Amount(Lbs/Yr):	2357

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY210000
Contaminant:	OXIDES OF NITROGEN
Amount(Lbs/Yr):	129895

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439921
Contaminant:	LEAD
Amount(Lbs/Yr):	3.5590700000000002

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446095
Contaminant:	SULFUR DIOXIDE

WALLOOMSAC RECYCLING (Continued) **S111705924**

Amount(Lbs/Yr):	555176
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000218019
Contaminant:	CHRYSENE
Amount(Lbs/Yr):	3.2998000000000001E-4
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	010024972
Contaminant:	NITROUS OXIDE
Amount(Lbs/Yr):	259.26999999999998
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439965
Contaminant:	MANGANESE
Amount(Lbs/Yr):	1.9399999999999999
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440473
Contaminant:	CHROMIUM
Amount(Lbs/Yr):	0.75

Name:	WALLOOMSAC RECYCLING
Address:	11 COTTRELL RD
City,State,Zip:	HOOSICK FALLS, NY 12090
DECID:	4382800006
Latitude:	42.923728788
Process ID:	Not reported
Longitude:	73.32194505
FIPS Code:	Not reported
Auth Type Code:	Not reported
Permit Status:	Expired
Auth Status Code:	Not reported
Emissions:	Not reported
Issue date:	01/05/2007
Expired Date:	03/09/2009

WALLOOMSAC RECYCLING (Continued) **S111705924**

Emission Unit date: Not reported
Contamination: Not reported
EPA Control Code: Not reported
Control Eff: Not reported
Unit: Not reported

Detail:

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007439921
Contaminant: LEAD
Amount(Lbs/Yr): 2.1306099999999999

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007439976
Contaminant: MERCURY
Amount(Lbs/Yr): 9.6837155800000005E-2

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000071432
Contaminant: BENZENE
Amount(Lbs/Yr): 2.5926999999999998

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY998100
Contaminant: UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr): 75128.539999999994

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007782492
Contaminant: SELENIUM
Amount(Lbs/Yr): 8.9566000000000007E-2

Auth Type: Not reported

WALLOOMSAC RECYCLING (Continued) **S111705924**

Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY075105
Contaminant: UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr): 40073.2151670811

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000050000
Contaminant: FORMALDEHYDE
Amount(Lbs/Yr): 59.967500000000001

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007446095
Contaminant: SULFUR DIOXIDE
Amount(Lbs/Yr): 276908.75

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000630080
Contaminant: CARBON MONOXIDE
Amount(Lbs/Yr): 7055

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007439965
Contaminant: MANGANESE
Amount(Lbs/Yr): 1.0900000000000001

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000074828
Contaminant: METHANE

WALLOOMSAC RECYCLING (Continued) **S111705924**

Amount(Lbs/Yr):	1411
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000108883
Contaminant:	TOLUENE
Amount(Lbs/Yr):	12.4168
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	064742887
Contaminant:	NAPHTHA, MEDIUM ALIPHATIC
Amount(Lbs/Yr):	80.040999999999997
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	010024972
Contaminant:	NITROUS OXIDE
Amount(Lbs/Yr):	155.21000000000001
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440417
Contaminant:	BERYLLIUM
Amount(Lbs/Yr):	5.9262000000000004E-3
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000630080
Contaminant:	CARBON MONOXIDE
Amount(Lbs/Yr):	11949.084999999999
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006

WALLOOMSAC RECYCLING (Continued) **S111705924**

Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY075105
Contaminant: UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr): 26632.120648

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007664417
Contaminant: AMMONIA
Amount(Lbs/Yr): 1128.8

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007782492
Contaminant: SELENIUM
Amount(Lbs/Yr): 5.3617999999999999E-2

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007440417
Contaminant: BERYLLIUM
Amount(Lbs/Yr): 1.0037231400000001E-2

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY210000
Contaminant: OXIDES OF NITROGEN
Amount(Lbs/Yr): 112321.399

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000050000
Contaminant: FORMALDEHYDE
Amount(Lbs/Yr): 100.1725

Auth Type: Not reported
Issue Date: Not reported

WALLOOMSAC RECYCLING (Continued) **S111705924**

Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440417
Contaminant:	BERYLLIUM
Amount(Lbs/Yr):	9.8993999999999992E-3

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	001330207
Contaminant:	XYLENE, M, O & P MIXT.
Amount(Lbs/Yr):	17.923627499999998

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439921
Contaminant:	LEAD
Amount(Lbs/Yr):	3.6086236700000001

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446119
Contaminant:	SULFUR TRIOXIDE
Amount(Lbs/Yr):	14439.274314

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000091203
Contaminant:	NAPHTHALENE
Amount(Lbs/Yr):	1.0264264015

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	010024972
Contaminant:	NITROUS OXIDE
Amount(Lbs/Yr):	262.87986999999998

WALLOOMSAC RECYCLING (Continued) **S111705924**

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440508
Contaminant:	COPPER
Amount(Lbs/Yr):	2.9226800000000002

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446119
Contaminant:	SULFUR TRIOXIDE
Amount(Lbs/Yr):	13703.598

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000206440
Contaminant:	FLUORANTHENE
Amount(Lbs/Yr):	4.4783000000000003E-4

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000108883
Contaminant:	TOLUENE
Amount(Lbs/Yr):	20.741599999999998

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439976
Contaminant:	MERCURY
Amount(Lbs/Yr):	0.1631696889

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000630080

WALLOOMSAC RECYCLING (Continued) **S111705924**

Contaminant:	CARBON MONOXIDE
Amount(Lbs/Yr):	11785
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	064742887
Contaminant:	NAPHTHA, MEDIUM ALIPHATIC
Amount(Lbs/Yr):	0.16900000000000001
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	001330207
Contaminant:	XYLENE, M, O & P MIXT.
Amount(Lbs/Yr):	17.677499999999998
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000091203
Contaminant:	NAPHTHALENE
Amount(Lbs/Yr):	1.0123314999999999
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007664417
Contaminant:	AMMONIA
Amount(Lbs/Yr):	1885.5999999999999
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000091203
Contaminant:	NAPHTHALENE
Amount(Lbs/Yr):	0.60602449999999997
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008

WALLOOMSAC RECYCLING (Continued) **S111705924**

DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY998100
Contaminant: UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr): 58886.754877959997

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000218019
Contaminant: CHRYSENE
Amount(Lbs/Yr): 1.9754000000000001E-4

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007440473
Contaminant: CHROMIUM
Amount(Lbs/Yr): 0.41999999999999998

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY075105
Contaminant: UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr): 17840.2681005542

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007440508
Contaminant: COPPER
Amount(Lbs/Yr): 1.7496400000000001

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007440508
Contaminant: COPPER
Amount(Lbs/Yr): 2.9633730800000002

Auth Type: Not reported

WALLOOMSAC RECYCLING (Continued) **S111705924**

Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000067561
Contaminant:	METHYL ALCOHOL
Amount(Lbs/Yr):	1756

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446119
Contaminant:	SULFUR TRIOXIDE
Amount(Lbs/Yr):	10053.375

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000206440
Contaminant:	FLUORANTHENE
Amount(Lbs/Yr):	2.6809000000000002E-4

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439976
Contaminant:	MERCURY
Amount(Lbs/Yr):	0.16500510600000001

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446095
Contaminant:	SULFUR DIOXIDE
Amount(Lbs/Yr):	397713.34513999999

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007664417
Contaminant:	AMMONIA

WALLOOMSAC RECYCLING (Continued) **S111705924**

Amount(Lbs/Yr): 1911.8535999999999

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007782492
Contaminant: SELENIUM
Amount(Lbs/Yr): 9.0813045999999994E-2

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000050000
Contaminant: FORMALDEHYDE
Amount(Lbs/Yr): 101.5672225

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000071432
Contaminant: BENZENE
Amount(Lbs/Yr): 1.5521

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 001330207
Contaminant: XYLENE, M, O & P MIXT.
Amount(Lbs/Yr): 10.5825

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000071432
Contaminant: BENZENE
Amount(Lbs/Yr): 2.6287986999999999

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006
DECID: 4382800006

WALLOOMSAC RECYCLING (Continued) **S111705924**

Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000074828
Contaminant: METHANE
Amount(Lbs/Yr): 2389.817

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY998100
Contaminant: UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr): 70758.971960724099

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000108883
Contaminant: TOLUENE
Amount(Lbs/Yr): 21.030389599999999

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY210000
Contaminant: OXIDES OF NITROGEN
Amount(Lbs/Yr): 66317

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000074828
Contaminant: METHANE
Amount(Lbs/Yr): 2357

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY210000
Contaminant: OXIDES OF NITROGEN
Amount(Lbs/Yr): 129895

Auth Type: Not reported
Issue Date: Not reported

WALLOOMSAC RECYCLING (Continued) **S111705924**

Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439921
Contaminant:	LEAD
Amount(Lbs/Yr):	3.5590700000000002

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446095
Contaminant:	SULFUR DIOXIDE
Amount(Lbs/Yr):	555176

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000218019
Contaminant:	CHRYSENE
Amount(Lbs/Yr):	3.2998000000000001E-4

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	010024972
Contaminant:	NITROUS OXIDE
Amount(Lbs/Yr):	259.26999999999998

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439965
Contaminant:	MANGANESE
Amount(Lbs/Yr):	1.9399999999999999

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440473
Contaminant:	CHROMIUM
Amount(Lbs/Yr):	0.75

WALLOOMSAC RECYCLING (Continued) **S111705924**

Name:	WALLOOMSAC RECYCLING
Address:	11 COTTRELL RD
City,State,Zip:	HOOSICK FALLS, NY 12090
DECID:	4382800006
Latitude:	42.923728788
Process ID:	Not reported
Longitude:	73.32194505
FIPS Code:	Not reported
Auth Type Code:	Not reported
Permit Status:	Expired
Auth Status Code:	Not reported
Emissions:	Not reported
Issue date:	03/09/2009
Expired Date:	Not reported
Emission Unit date:	Not reported
Contamination:	Not reported
EPA Control Code:	Not reported
Control Eff:	Not reported
Unit:	Not reported

Detail:

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439921
Contaminant:	LEAD
Amount(Lbs/Yr):	2.1306099999999999

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439976
Contaminant:	MERCURY
Amount(Lbs/Yr):	9.6837155800000005E-2

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000071432
Contaminant:	BENZENE
Amount(Lbs/Yr):	2.5926999999999998

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY998100

WALLOOMSAC RECYCLING (Continued) **S111705924**

Contaminant: UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr): 75128.539999999994

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007782492
Contaminant: SELENIUM
Amount(Lbs/Yr): 8.9566000000000007E-2

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2007
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 0NY075105
Contaminant: UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr): 40073.2151670811

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000050000
Contaminant: FORMALDEHYDE
Amount(Lbs/Yr): 59.967500000000001

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007446095
Contaminant: SULFUR DIOXIDE
Amount(Lbs/Yr): 276908.75

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000630080
Contaminant: CARBON MONOXIDE
Amount(Lbs/Yr): 7055

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008

WALLOOMSAC RECYCLING (Continued) **S111705924**

DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439965
Contaminant:	MANGANESE
Amount(Lbs/Yr):	1.0900000000000001
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000074828
Contaminant:	METHANE
Amount(Lbs/Yr):	1411
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000108883
Contaminant:	TOLUENE
Amount(Lbs/Yr):	12.4168
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	064742887
Contaminant:	NAPHTHA, MEDIUM ALIPHATIC
Amount(Lbs/Yr):	80.040999999999997
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	010024972
Contaminant:	NITROUS OXIDE
Amount(Lbs/Yr):	155.21000000000001
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440417
Contaminant:	BERYLLIUM
Amount(Lbs/Yr):	5.9262000000000004E-3
Auth Type:	Not reported

WALLOOMSAC RECYCLING (Continued) **S111705924**

Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000630080
Contaminant:	CARBON MONOXIDE
Amount(Lbs/Yr):	11949.084999999999

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY075105
Contaminant:	UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr):	26632.120648

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007664417
Contaminant:	AMMONIA
Amount(Lbs/Yr):	1128.8

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007782492
Contaminant:	SELENIUM
Amount(Lbs/Yr):	5.3617999999999999E-2

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440417
Contaminant:	BERYLLIUM
Amount(Lbs/Yr):	1.0037231400000001E-2

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY210000
Contaminant:	OXIDES OF NITROGEN

WALLOOMSAC RECYCLING (Continued) **S111705924**

Amount(Lbs/Yr):	112321.399
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000050000
Contaminant:	FORMALDEHYDE
Amount(Lbs/Yr):	100.1725
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440417
Contaminant:	BERYLLIUM
Amount(Lbs/Yr):	9.8993999999999992E-3
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	001330207
Contaminant:	XYLENE, M, O & P MIXT.
Amount(Lbs/Yr):	17.923627499999998
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439921
Contaminant:	LEAD
Amount(Lbs/Yr):	3.6086236700000001
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446119
Contaminant:	SULFUR TRIOXIDE
Amount(Lbs/Yr):	14439.274314
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006

WALLOOMSAC RECYCLING (Continued) **S111705924**

Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000091203
Contaminant:	NAPHTHALENE
Amount(Lbs/Yr):	1.0264264015
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	010024972
Contaminant:	NITROUS OXIDE
Amount(Lbs/Yr):	262.87986999999998
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440508
Contaminant:	COPPER
Amount(Lbs/Yr):	2.9226800000000002
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446119
Contaminant:	SULFUR TRIOXIDE
Amount(Lbs/Yr):	13703.598
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000206440
Contaminant:	FLUORANTHENE
Amount(Lbs/Yr):	4.4783000000000003E-4
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000108883
Contaminant:	TOLUENE
Amount(Lbs/Yr):	20.741599999999998
Auth Type:	Not reported
Issue Date:	Not reported

WALLOOMSAC RECYCLING (Continued) **S111705924**

Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439976
Contaminant:	MERCURY
Amount(Lbs/Yr):	0.1631696889

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000630080
Contaminant:	CARBON MONOXIDE
Amount(Lbs/Yr):	11785

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	064742887
Contaminant:	NAPHTHA, MEDIUM ALIPHATIC
Amount(Lbs/Yr):	0.16900000000000001

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	001330207
Contaminant:	XYLENE, M, O & P MIXT.
Amount(Lbs/Yr):	17.677499999999998

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000091203
Contaminant:	NAPHTHALENE
Amount(Lbs/Yr):	1.0123314999999999

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007664417
Contaminant:	AMMONIA
Amount(Lbs/Yr):	1885.5999999999999

WALLOOMSAC RECYCLING (Continued) **S111705924**

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000091203
Contaminant:	NAPHTHALENE
Amount(Lbs/Yr):	0.60602449999999997

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY998100
Contaminant:	UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr):	58886.754877959997

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000218019
Contaminant:	CHRYSENE
Amount(Lbs/Yr):	1.9754000000000001E-4

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440473
Contaminant:	CHROMIUM
Amount(Lbs/Yr):	0.41999999999999998

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY075105
Contaminant:	UNSPECIATED PM-10 (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr):	17840.2681005542

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440508

WALLOOMSAC RECYCLING (Continued) **S111705924**

Contaminant: COPPER
Amount(Lbs/Yr): 1.7496400000000001

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007440508
Contaminant: COPPER
Amount(Lbs/Yr): 2.9633730800000002

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000067561
Contaminant: METHYL ALCOHOL
Amount(Lbs/Yr): 1756

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007446119
Contaminant: SULFUR TRIOXIDE
Amount(Lbs/Yr): 10053.375

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2008
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 000206440
Contaminant: FLUORANTHENE
Amount(Lbs/Yr): 2.6809000000000002E-4

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006
DECID: 4382800006
Facility Name: BENNINGTON PAPERBOARD CO
CAS #: 007439976
Contaminant: MERCURY
Amount(Lbs/Yr): 0.16500510600000001

Auth Type: Not reported
Issue Date: Not reported
Expiration Date: Not reported
Year: 2006

WALLOOMSAC RECYCLING (Continued) **S111705924**

DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446095
Contaminant:	SULFUR DIOXIDE
Amount(Lbs/Yr):	397713.34513999999
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007664417
Contaminant:	AMMONIA
Amount(Lbs/Yr):	1911.8535999999999
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007782492
Contaminant:	SELENIUM
Amount(Lbs/Yr):	9.0813045999999994E-2
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000050000
Contaminant:	FORMALDEHYDE
Amount(Lbs/Yr):	101.5672225
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000071432
Contaminant:	BENZENE
Amount(Lbs/Yr):	1.5521
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	001330207
Contaminant:	XYLENE, M, O & P MIXT.
Amount(Lbs/Yr):	10.5825
Auth Type:	Not reported

WALLOOMSAC RECYCLING (Continued) **S111705924**

Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000071432
Contaminant:	BENZENE
Amount(Lbs/Yr):	2.6287986999999999

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000074828
Contaminant:	METHANE
Amount(Lbs/Yr):	2389.817

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY998100
Contaminant:	UNSPECIATED VOC (EMISSION STATEMENT USE ONLY)
Amount(Lbs/Yr):	70758.971960724099

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2006
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000108883
Contaminant:	TOLUENE
Amount(Lbs/Yr):	21.030389599999999

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2008
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY210000
Contaminant:	OXIDES OF NITROGEN
Amount(Lbs/Yr):	66317

Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000074828
Contaminant:	METHANE

WALLOOMSAC RECYCLING (Continued) **S111705924**

Amount(Lbs/Yr):	2357
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	0NY210000
Contaminant:	OXIDES OF NITROGEN
Amount(Lbs/Yr):	129895
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439921
Contaminant:	LEAD
Amount(Lbs/Yr):	3.5590700000000002
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007446095
Contaminant:	SULFUR DIOXIDE
Amount(Lbs/Yr):	555176
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	000218019
Contaminant:	CHRYSENE
Amount(Lbs/Yr):	3.2998000000000001E-4
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	010024972
Contaminant:	NITROUS OXIDE
Amount(Lbs/Yr):	259.26999999999998
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006

WALLOOMSAC RECYCLING (Continued) **S111705924**

Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007439965
Contaminant:	MANGANESE
Amount(Lbs/Yr):	1.9399999999999999
Auth Type:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
Year:	2007
DECID:	4382800006
Facility Name:	BENNINGTON PAPERBOARD CO
CAS #:	007440473
Contaminant:	CHROMIUM
Amount(Lbs/Yr):	0.75

SPDES:

Name:	WALLOOMSAC RECYCLING
Address:	11 COTTRELL RD
City,State,Zip:	HOOSICK FALLS, NY 12090
Permit Number:	NY0005061
State-Region:	4
Expiration Date:	03/31/2017
Current Major Minor Status:	Major
Primary Facility SIC Code:	2631
State Water Body Name:	WALLOOMSAC R
Limit Set Status Flag:	Active
Total Actual Average Flow(MGD):	0.2428
Total App Design Flow(MGD):	Not reported
UDF1:	DMR
Lat/Long:	42.923728 / 73.3219450
DMR Cognizant Official:	WILLIAM BROWNELL ST
UDF2:	001101
UDF3:	C(T)
FIPS County Code:	NY083
Non-Gov Permit Affiliation Type Desc:	Permittee
Non-Gov Permit Org Formal Name:	WALLOOMSAC METAL RECYCLING LTD
Non-Gov Permit Street Address:	11 COTTRELL RD
Non-Gov Permit Supplemental Location:	Not reported
Non-Gov Permit City:	HOOSICK FALLS
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	12090
Non-Gov Facility Affiliation Type Desc:	Owner
Non-Gov Facility Org Formal Name:	WALLOOMSAC METAL RECYCLING LTD
Non-Gov Facility Street Address:	WALLOOMSAC RECYCLING
Non-Gov Facility Supplemental Location:	11 COTTRELL ROAD
Non-Gov Facility City:	HOOSICK FALLS
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	12090
State Water Body:	02020003220
Region Permit Processed:	C
Dow Discharge Class Code:	03
SPDES Class Description:	EPA Major Industrial
Affiliation Type Description:	Private
Name:	Not reported

WALLOOMSAC RECYCLING (Continued) **S111705924**

Contacts Title: Not reported
Contacts Email: Not reported
NOI Submission Date: Not reported

B5 **BENNINGTON PAPERBOARD RT 67 @ COTTRELL RD** **NY Spills** **S102242214**
RT 67 @ COTTRELL RD **N/A**
< 1/8 **NORTH HOOSICK, NY**
1 ft.

Site 1 of 3 in cluster B

Relative:
Lower

Actual:
456 ft.

SPILLS:

Name:	BENNINGTON PAPERBOARD RT 67 @ COTTRELL WALLOOMSAC
Address:	RT 67 WALLOOMSAC COTTRELL RD
City,State,Zip:	NORTH HOOSICK, NY
Spill Number/Closed Date:	9512646 / 1996-01-12
Facility ID:	9512646
Facility Type:	ER
DER Facility ID:	183100
Site ID:	221382
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	A3
SWIS:	4228
Spill Date:	1996-01-10
Investigator:	WEBLAIN
Referred To:	Not reported
Reported to Dept:	1996-01-11
CID:	297
Water Affected:	WALLOOMSAC
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1996-01-12
Cleanup Meets Std:	True
Last Inspection:	1996-01-11
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-01-11
Spill Record Last Update:	2016-03-30
Spiller Name:	MARK SHELINE
Spiller Company:	BENNINGTON PAPERBOARD
Spiller Address:	RT 67
Spiller Company:	001
Contact Name:	MARK SHELINE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BLAIN 9:40-BLAIN TELECON W/BRUCE BARNHARD, OVERFLOW REACHED WALLOOMSAC, NOT GOING IN NOW, REFd TO DZIERWA (WATER). 1/11,16:05-BLAIN @ SITE, FOUND MUCH LARGER VOLUME THAN RPTd WAS RELEASED; SECTION OF BANK BY RIVER WASHED FREE OF 1' OF SNOW, BANK PARTIALLY ERODED, LAGOON OVERFLOWED IN AT LEAST 4 AREAS; SEE Rpt FOR SKETCH; RPTd FINDINGS TO WATER 1/12, 8:20. PBS 4-101664; CBS 4-000075 (CBS 4-000187); SEE 9512646 (see Edocs for sketch), 0306250, 0706381, 0713805. (HW 442005?)"
Remarks:	"the pumps to airation [SP] pond failed and the pond overflowed - the overflow is heading towards the hoosick [SP] river - it has not reached the river yet and clean up has not begun"

All Materials:

Site ID:	221382

BENNINGTON PAPERBOARD RT 67 @ COTTRELL RD (Continued) **S102242214**

Operable Unit ID:	1023746
Operable Unit:	01
Material ID:	356390
Material Code:	0060A
Material Name:	wastewater
Case No.:	Not reported
Material FA:	Other
Quantity:	1000.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	BENNINGTON PAPERBOARD RT 67 @ COTTRELL RD
Address:	RT 67 @ COTTRELL RD
City,State,Zip:	NORTH HOOSICK, NY
Spill Number/Closed Date:	0306250 / 2003-10-20
Facility ID:	0306250
Facility Type:	ER
DER Facility ID:	465042
Site ID:	229164
DEC Region:	4
Spill Cause:	Human Error
Spill Class:	C4
SWIS:	4228
Spill Date:	2003-09-12
Investigator:	ELMOORE
Referred To:	Not reported
Reported to Dept:	2003-09-12
CID:	257
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-09-12
Spill Record Last Update:	2016-03-30
Spiller Name:	DAVID SCHUELKE
Spiller Company:	UNK VENDER @ BENNINGTON PAPERBOARD
Spiller Address:	RT.67
Spiller Company:	999
Contact Name:	DAVID SCHUELKE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MOORE DAVE SCHUELKE HAD CALLED ELM ABOUT INCIDENT AND WAS ADVISED TO CALL IN THE SPILL. FACILITY IS BOTH A PBS FACILITY AND A CBS FACILITY (4-000075). SPILL WAS A RESULT OF PERIODIC PUMPING OF WASTE OIL OUT OF A PBS REGISTERED TANK FOR DISPOSAL. HOSE GOT PLUGGED AND PUMP REVERSAL FORCED HOSE OUT OF TANK OPENING, SPRAYING WASTE OIL INTO CONTAINMENT AND OUTSIDE OF CONTAINMENT. OWNER AND CONTRACTOR USING PADS TO SOAK UP AS MUCH FREE LIQUID AS POSSIBLE; THEN A FRONT END LOADER WILL SCRAPE THE SURFICIAL SOIL AND PLACE CONTAMINATED SOIL ON PLASTIC. PADS AND SOIL WILL BE DRUMMED FOR DISPOSAL. Q.E.D., REPORT TO FOLLOW 9/15/03 -- ELM PBS 4-101664; CBS 4-000075 (CBS 4-000187);

BENNINGTON PAPERBOARD RT 67 @ COTTRELL RD (Continued) **S102242214**

SEE 9512646, 0306250 (Edocs), 0706381, 0713805. (HW 442005?) DAVE SCHUELKE FAXED THE DISPOSAL RECEIPTS FOR TWO DRUMS OF CONTAMINATED DIRT , PICKED UP OCTOBER 17, 2003. SPILL CAN BE CLOSED, MEETS STANDARDS. 10/20/2003 -- ELM"

Remarks: "while pumping out tank spilled 10 gals cleanup is going on now and almost complete"

All TTF:

Facility ID:	0306250
Spill Number:	0306250
Spill Tank Test:	1528672
Site ID:	229164
Tank Number:	Not reported
Tank Size:	0
Material:	0022
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	229164
Operable Unit ID:	874827
Operable Unit:	01
Material ID:	503487
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	G
Recovered:	10.00
Oxygenate:	Not reported

---

6 **RT 67 BAKAITIS MINE** **FINDS** **1016322165**
COBBLE HILL RD **N/A**
< 1/8 **NORTH HOOSICK, NY 12090**
1 ft.

Relative: Higher

Actual: 479 ft.

FINDS:

Registry ID: 110019446866

Click Here:

Environmental Interest/Information System:

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

7 **BENNINGTON PAPERBOARD CO** **FINDS** **1016078089**
ROUTE 67 **ECHO** **N/A**
< 1/8 **NORTH HOOSICK, NY 12133**
1 ft.

Relative: Higher

Actual: 516 ft.

FINDS:
Registry ID: 110007382858

Click Here:

Environmental Interest/Information System:
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016078089
Registry ID:	110007382858
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110007382858
Name:	BENNINGTON PAPERBOARD CO
Address:	ROUTE 67
City,State,Zip:	NORTH HOOSICK, NY 12133

B8 **BENNINGTON PAPERBOARD RT 67 @ COTTRELL RD** **NY Spills** **S108764344**
RT 67 @ COTTRELL RD **N/A**
< 1/8 **NORTH HOOSICK, NY**
1 ft.

Site 2 of 3 in cluster B

Relative: Lower

Actual: 456 ft.

SPILLS:

Name:	BENNINGTON PAPERBOARD RT 67 @ COTTRELL RD
Address:	RT 67 @ COTTRELL RD
City,State,Zip:	NORTH HOOSICK, NY
Spill Number/Closed Date:	0706381 / 2007-09-07
Facility ID:	0706381
Facility Type:	ER
DER Facility ID:	391810
Site ID:	386889
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	4228
Spill Date:	2007-09-07
Investigator:	WEBLAIN
Referred To:	Not reported
Reported to Dept:	2007-09-07
CID:	444
Water Affected:	Not reported

BENNINGTON PAPERBOARD RT 67 @ COTTRELL RD (Continued) **S108764344**

Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2007-09-07
Spill Record Last Update:	2016-03-30
Spiller Name:	DAVID SCHUELKE
Spiller Company:	BENNINGTON PAPER BOARD
Spiller Address:	RT 67
Spiller Company:	001
Contact Name:	DAVID SCHUELKE
DEC Memo:	"minor. no DEC response. closed PBS 4-101664; CBS 4-000075 (CBS 4-000187); SEE 9512646, 0306250, 0706381 (see Edocs for letter from RP), 0713805. (HW 442005?)"
Remarks:	"TORN GASKET ON A TRANSFER HOSE, ALL CLEANED UP"

All Materials:

Site ID:	386889
Operable Unit ID:	1144113
Operable Unit:	01
Material ID:	2134404
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	G
Recovered:	3.00
Oxygenate:	Not reported

9
WNW
< 1/8
0.009 mi.
49 ft.

BENNINGTON PAPERBOARD CO.
ROUTE 67
NORTH HOOSICK, NY 12133

NY CBS **U003076078**
NY AST **N/A**
NY CBS AST

Relative:
Higher

Actual:
470 ft.

CBS:

Name:	BENNINGTON PAPERBOARD CO.
Address:	ROUTE 67
City,State,Zip:	NORTH HOOSICK, NY 12133
CBS Number:	4-000075
Program Type:	CBS
Facility Status:	Unregulated/Closed
Expiration Date:	Not reported
Dec Region:	4
UTMX:	636932.00000
UTMY:	4753641.00000

AST:

Name:	BENNINGTON PAPERBOARD CO.
Address:	ROUTE 67
City,State,Zip:	NORTH HOOSICK, NY 12133
Region:	STATE

BENNINGTON PAPERBOARD CO. (Continued) **U003076078**

DEC Region:	4
Site Status:	Unregulated/Closed
Facility Id:	4-101664
Program Type:	PBS
UTM X:	.00000
UTM Y:	.00000
Expiration Date:	N/A
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	35664
Affiliation Type:	Mail Contact
Company Name:	BENNINGTON PAPERBOARD CO.
Contact Type:	Not reported
Contact Name:	DAVID SCHEULKE
Address1:	ROUTE 67
Address2:	Not reported
City:	NORTH HOOSICK
State:	NY
Zip Code:	12133
Country Code:	001
Phone:	(518) 686-7357
EMail:	Not reported
Fax Number:	Not reported
Modified By:	rjschowe
Date Last Modified:	2009-11-02

Site Id:	35664
Affiliation Type:	Facility Operator
Company Name:	BENNINGTON PAPERBOARD CO.
Contact Type:	Not reported
Contact Name:	TOUR BOSS ON DUTY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 686-7357
EMail:	Not reported
Fax Number:	Not reported
Modified By:	RJSCHOWE
Date Last Modified:	2004-12-24

Site Id:	35664
Affiliation Type:	Emergency Contact
Company Name:	NEWARK GROUP IND. INC.
Contact Type:	Not reported
Contact Name:	GARY LANCOUR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(518) 686-7357
EMail:	Not reported
Fax Number:	Not reported

BENNINGTON PAPERBOARD CO. (Continued) **U003076078**

Modified By:	RJSCHOWE
Date Last Modified:	2004-12-24
Site Id:	35664
Affiliation Type:	Facility Owner
Company Name:	NEWARK GROUP IND. INC.
Contact Type:	TECHNICAL MANAGER
Contact Name:	DAVID SCHEULKE
Address1:	20 JACKSON DRIVE
Address2:	Not reported
City:	CRANFORD
State:	NJ
Zip Code:	07016
Country Code:	001
Phone:	(908) 276-4000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	rjschowe
Date Last Modified:	2009-11-02

Tank Info:

Tank Number:	DIESEL
Tank Id:	98612
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	K00 - Spill Prevention - None
	J02 - Dispenser - Suction Dispenser
	C01 - Pipe Location - Aboveground
	I04 - Overfill - Product Level Gauge (A/G)
	G01 - Tank Secondary Containment - Diking (Aboveground)
	L00 - Piping Leak Detection - None
	B00 - Tank External Protection - None
	F00 - Pipe External Protection - None
	H00 - Tank Leak Detection - None
	E01 - Piping Secondary Containment - Diking (AG only)
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	12/01/1998
Capacity Gallons:	300
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	11/18/2008
Register:	True
Modified By:	rjschowe
Last Modified:	04/14/2017
Material Name:	diesel

BENNINGTON PAPERBOARD CO. (Continued) **U003076078**

Tank Number: NO6 OIL
Tank Id: 87048
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:
C01 - Pipe Location - Aboveground
F05 - Pipe External Protection - Jacketed
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None
G01 - Tank Secondary Containment - Diking (Aboveground)
F04 - Pipe External Protection - Fiberglass
J02 - Dispenser - Suction Dispenser
B04 - Tank External Protection - Fiberglass
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
B05 - Tank External Protection - Jacketed

Tank Location: Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - In Place
Pipe Model: Not reported
Install Date: 09/01/1983
Capacity Gallons: 30000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 09/05/2008
Register: True
Modified By: rjschowe
Last Modified: 04/14/2017
Material Name: #6 fuel oil (on-site consumption)

Tank Number: USEDOIL
Tank Id: 87049
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Equipment Records:
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
G01 - Tank Secondary Containment - Diking (Aboveground)
D00 - Pipe Type - No Piping
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Location: Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated

BENNINGTON PAPERBOARD CO. (Continued) **U003076078**

above grade or tank pad, allowing visual inspection.

Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	06/01/1986
Capacity Gallons:	550
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	09/17/2008
Register:	True
Modified By:	rjschowe
Last Modified:	04/14/2017
Material Name:	waste oil/used oil

CBS AST:

CBS Number:	4-000075
ICS Number:	4-177181
PBS Number:	Not reported
MOSF Number:	Not reported
SPDES Number:	0-005061
Facility Status:	IN SERVICE
Facility Type:	D
Telephone:	(518) 686-7357
Facility Town:	HOOSICK
Region:	STATE
Expiration Date:	10/24/2003
Total Capacity of All Active Tanks(gal):	5050
Operator:	TOUR BOSS ON DUTY
Emergency Contact:	GARY LANCOUR
Emergency Phone:	(518) 686-7357
Owner Name:	NEWARK GROUP IND. INC.
Owner Address:	20 JACKSON DR.
Owner City,St,Zip:	CRANFORD, NJ 07016
Owner Telephone:	(908) 276-4000
Owner Type:	Corporate/Commercial
Owner Sub Type:	Not reported
Mail Name:	BENNINGTON PAPERBOARD CO.
Mail Contact Addr:	ROUTE 67
Mail Contact Addr2:	Not reported
Mail Contact Contact:	DAVID SCHUELKE
Mail Contact City,St,Zip:	NORTH HOOSICK, NY 12133
Mail Phone:	(518) 686-7357

Tank Id:	CAUSTIC
CAS Number:	1310732
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	10/94
Tank Closed:	Not reported
Capacity (Gal):	300
Chemical:	Sodium hydroxide
Tank Location:	Indoors, Belowground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	4
Tank Secret:	False
Tank Secondary Containment:	Vault

BENNINGTON PAPERBOARD CO. (Continued) **U003076078**

Tank Error Status:	No Missing Data
Date Entered:	12/21/1999
Certified Date:	09/10/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Haz Percent:	50
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	3828
Lat/Long:	73|19|30 / 42|55|25
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	2
Certificate Needs to be Printed:	73|19|30 / 42|55|25
Fiscal Amt for Registration Fee Correct:	73|19|30 / 42|55|25
Renewal Has Been Printed for Facility:	73|19|30 / 42|55|25
Pre-Printed Renewal App Last Printed:	73|19|30 / 42|55|25

Tank Id:	9-024
CAS Number:	10043013
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	10/75
Tank Closed:	00/00
Capacity (Gal):	6500
Chemical:	Aluminum sulfate
Tank Location:	Indoors, Aboveground
Tank Type:	Other
Total Tanks:	4
Tank Secret:	False
Tank Secondary Containment:	None
Tank Error Status:	No Missing Data
Date Entered:	06/27/1989
Certified Date:	09/10/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	Other
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	None
Haz Percent:	50

BENNINGTON PAPERBOARD CO. (Continued) **U003076078**

Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	3828
Lat/Long:	73|19|30 / 42|55|25
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	2
Certificate Needs to be Printed:	73|19|30 / 42|55|25
Fiscal Amt for Registration Fee Correct:	73|19|30 / 42|55|25
Renewal Has Been Printed for Facility:	73|19|30 / 42|55|25
Pre-Printed Renewal App Last Printed:	73|19|30 / 42|55|25

Tank Id:	16623
CAS Number:	108918
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	08/94
Tank Closed:	Not reported
Capacity (Gal):	350
Chemical:	Cyclohexylamine
Tank Location:	Indoors, Belowground
Tank Type:	Stainless steel alloy
Total Tanks:	4
Tank Secret:	False
Tank Secondary Containment:	Vault
Tank Error Status:	No Missing Data
Date Entered:	12/21/1999
Certified Date:	09/10/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Steel/Iron
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Haz Percent:	15
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	3828
Lat/Long:	73|19|30 / 42|55|25
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	2
Certificate Needs to be Printed:	73|19|30 / 42|55|25
Fiscal Amt for Registration Fee Correct:	73|19|30 / 42|55|25
Renewal Has Been Printed for Facility:	73|19|30 / 42|55|25
Pre-Printed Renewal App Last Printed:	73|19|30 / 42|55|25

BENNINGTON PAPERBOARD CO. (Continued) **U003076078**

Tank Id:	FELTWASH
CAS Number:	1310732
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	02/97
Tank Closed:	Not reported
Capacity (Gal):	400
Chemical:	Sodium hydroxide
Tank Location:	Indoors, Aboveground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	4
Tank Secret:	False
Tank Secondary Containment:	09
Tank Error Status:	No Missing Data
Date Entered:	01/31/2001
Certified Date:	09/10/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None,None
Pipe Location:	None
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	00
Pipe Flag:	00
Leak Detection:	00
Overfill Protection:	Product Level Gauge
Haz Percent:	25
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	3828
Lat/Long:	73|19|30 / 42|55|25
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	2
Certificate Needs to be Printed:	73|19|30 / 42|55|25
Fiscal Amt for Registration Fee Correct:	73|19|30 / 42|55|25
Renewal Has Been Printed for Facility:	73|19|30 / 42|55|25
Pre-Printed Renewal App Last Printed:	73|19|30 / 42|55|25

Tank Id:	ALUM
CAS Number:	10043013
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	01/00
Tank Closed:	Not reported
Capacity (Gal):	4000
Chemical:	Aluminum sulfate
Tank Location:	Indoors, Aboveground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	4
Tank Secret:	False
Tank Secondary Containment:	Vault
Tank Error Status:	No Missing Data

BENNINGTON PAPERBOARD CO. (Continued) **U003076078**

Date Entered:	01/31/2001
Certified Date:	09/10/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	00
Pipe Flag:	00
Leak Detection:	00
Overfill Protection:	04
Haz Percent:	50
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	3828
Lat/Long:	73|19|30 / 42|55|25
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	2
Certificate Needs to be Printed:	73|19|30 / 42|55|25
Fiscal Amt for Registration Fee Correct:	73|19|30 / 42|55|25
Renewal Has Been Printed for Facility:	73|19|30 / 42|55|25
Pre-Printed Renewal App Last Printed:	73|19|30 / 42|55|25

B10 **ZABEL (?) RES COTTRELL RD** **NY Spills** **S103482674**
South **56 COTTRELL RD** **N/A**
< 1/8 **NORTH HOOSICK, NY**
0.030 mi.
158 ft. **Site 3 of 3 in cluster B**

Relative:
Higher

Actual:
486 ft.

SPILLS:

Name:	ZABEL (?) RES COTTRELL RD
Address:	56 COTTRELL RD
City,State,Zip:	NORTH HOOSICK, NY
Spill Number/Closed Date:	9804530 / 1998-07-13
Facility ID:	9804530
Facility Type:	ER
DER Facility ID:	127864
Site ID:	150370
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	4228
Spill Date:	1998-07-10
Investigator:	WTCHRIST
Referred To:	Not reported
Reported to Dept:	1998-07-10
CID:	370
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported

ZABEL (?) RES COTTRELL RD (Continued) **S103482674**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-07-10
Spill Record Last Update:	2016-03-30
Spiller Name:	ABOVE CALLER
Spiller Company:	RESIDENCE FRANK ZABEL?
Spiller Address:	56 COLTEL RD [COTTRELL]
Spiller Company:	999
Contact Name:	ABOVE CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CHRISTENSEN WTC SITE Insp FOUND MINOR CONT. NEAR FOUNDATION, NO GW ENCOUNTERED, HOLE ~8', INTO SHALE. "
Remarks:	"PULLING 550 U/G TANK - FOUND SMALL HOLES IN TANK AND FOUND CONTAMINATED SOIL - CONTAINED - CLEANUP SCHEDULED"

All Materials:

Site ID:	150370
Operable Unit ID:	1062437
Operable Unit:	01
Material ID:	319242
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

C11 **GRAPHITEX INC** **RCRA-VSQG** **1010566352**
West **4883 NY RTE 67** **NY MANIFEST** **NYR000149377**
< 1/8 **HOOSICK FALLS, NY 12090**
0.031 mi.
163 ft. **Site 1 of 2 in cluster C**

Relative:
Higher

Actual:
473 ft.

RCRA-VSQG:

Date Form Received by Agency:		2009-03-09 00:00:00.0
Handler Name:	GRAPHITEX INC	
Handler Address:		4883 NY RTE 67
Handler City,State,Zip:		HOOSICK FALLS, NY 12090
EPA ID:		NYR000149377
Contact Name:		PAUL B ROSENBERG
Contact Address:		NY RTE 67
Contact City,State,Zip:		HOOSICK FALLS, NY 12090
Contact Telephone:		518-686-1651
Contact Fax:		Not reported
Contact Email:		PROSENBERG@ABGRAPHIC.COM
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY

GRAPHITEX INC (Continued) **1010566352**

State District:	NYSDEC R4
Mailing Address:	NY RTE 67
Mailing City,State,Zip:	HOOSICK FALLS, NY 12090
Owner Name:	THIERRY GUERLAIN
Owner Type:	Private
Operator Name:	THIERRY GUERLAIN
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

GRAPHITEX INC (Continued) **1010566352**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D011
Waste Description:	SILVER

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	THIERRY GUERLAIN
Legal Status:	Private
Date Became Current:	2008-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	4883 STATE RTE 67
Owner/Operator City,State,Zip:	HOOSICK FALLS, NY 12090
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	THIERRY GUERLAIN
Legal Status:	Private
Date Became Current:	2008-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	4883 STATE RTE 67
Owner/Operator City,State,Zip:	HOOSICK FALLS, NY 12090
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ALBANY BENNINGTON GRAPHICS
Legal Status:	Private
Date Became Current:	1980-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 541
Owner/Operator City,State,Zip:	HOOSICK FALLS, NY 12090
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PAUL B ROSENBERG
Legal Status:	Private
Date Became Current:	1980-01-01 00:00:00.
Date Ended Current:	Not reported

GRAPHITEX INC (Continued) **1010566352**

Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2007-09-06 00:00:00.0
Handler Name: ROSENBERG ENTERPRISES
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2009-03-09 00:00:00.0
Handler Name: GRAPHITEX INC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-09-07 00:00:00.0
Handler Name: ROSENBERG ENTERPRISES
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32311
NAICS Description: PRINTING

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

GRAPHITEX INC (Continued) **1010566352**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	2008-10-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYAET
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

NY MANIFEST:

Name:	PAUL ROSENBERG/A B GRAPHICS & PRINTING
Address:	4883 NY RTE 67
City,State,Zip:	HOOSICK FALLS, NY 12090
Country:	USA
EPA ID:	NYR000149377
Facility Status:	Not reported

GRAPHITEX INC (Continued) **1010566352**

Location Address 1:	90 CHURCH ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HOOSICK FALLS
Location State:	NY
Location Zip:	12090
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000149377
Mailing Name:	PAUL ROSENBERG/A B GRAPHICS & PRINTING
Mailing Contact:	A B GRAPHICS & PRINTING
Mailing Address 1:	P O BOX 541
Mailing Address 2:	Not reported
Mailing City:	HOOSICK FALLS
Mailing State:	NY
Mailing Zip:	12090
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	5186869434

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	09/05/2007
Trans1 Recv Date:	09/05/2007
Trans2 Recv Date:	09/18/2007
TSD Site Recv Date:	09/19/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000149377
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	KYD053348108
TSDF ID 2:	Not reported
Manifest Tracking Number:	000594030SKS
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H061
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported

GRAPHITEX INC (Continued) **1010566352**

Waste Code:	Not reported
Quantity:	6800
Units:	P - Pounds
Number of Containers:	17
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D002
Waste Code 1_2:	D011
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

C12 **TRUCK RT 67 TO RT 22 OIL ON RD** **NY Spills** **S110306857**
West **4883 RT 67 TO 22364 RT 22** **N/A**
< 1/8 **NORTH HOOSICK, NY**
0.069 mi.
362 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
488 ft.

SPILLS:

Name:	TRUCK RT 67 TO RT 22 OIL ON RD
Address:	4883 RT 67 TO 22364 RT 22
City,State,Zip:	NORTH HOOSICK, NY
Spill Number/Closed Date:	0913735 / 2010-03-29
Facility ID:	0913735
Facility Type:	ER
DER Facility ID:	375582
Site ID:	426699
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	4228
Spill Date:	2010-03-26
Investigator:	MSFRANKL
Referred To:	Not reported
Reported to Dept:	2010-03-26
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Police Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2010-03-26
Spill Record Last Update:	2010-07-19
Spiller Name:	Not reported
Spiller Company:	Tractor Trailer
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	RENSSELAER CO. 911 DISPATCH
DEC Memo:	"MF had several calls with trucking outfit, fire department, and EPS. Truck drove into ditch and poked a hole in the oil pan. There was no oil in the ditch, only on the road and in a parking area of a closed

TRUCK RT 67 TO RT 22 OIL ON RD (Continued) **S110306857**

diner. FD appllied speedy dry and contained spill. EPS went to scene and cleaned material off parking area. They are making plans to get speedy dry back to FD. This spill can be closed."

Remarks: "APPROX 10 GALLONS TO ROADWAY. REQUESTING DEC RESPONSE."

All Materials:

Site ID:	426699
Operable Unit ID:	1182374
Operable Unit:	01
Material ID:	2176557
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

13
NE
< 1/8
0.100 mi.
530 ft.

ALEXANDER SCHMIGEL PROPERTY
5032 NY RT 67
HOOSICK FALLS, NY

NY Spills **S121464210**
N/A

Relative:
Higher

Actual:
502 ft.

SPILLS:

Name:	ALEXANDER SCHMIGEL PROPERTY
Address:	5032 NY RT 67
City,State,Zip:	HOOSICK FALLS, NY
Spill Number/Closed Date:	1709883 / 2019-04-18
Facility ID:	1709883
Facility Type:	ER
DER Facility ID:	519792
Site ID:	566350
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	4228
Spill Date:	2018-01-29
Investigator:	QTROESCH
Referred To:	Not reported
Reported to Dept:	2018-01-29
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2018-01-29
Spill Record Last Update:	2019-04-18
Spiller Name:	Not reported
Spiller Company:	PARRATT-WOLFF
Spiller Address:	Not reported

ALEXANDER SCHMIGEL PROPERTY (Continued) **S121464210**

Spiller Company: 999
Contact Name: SHAWN PEPLING
DEC Memo: "01/30/2018 - TC with Sean Pepling of Parratt-Wolff. During a phase II site assessment, drill rig blew a hydraulic line and released 2 gallons of hydraulic oil to the ground. Oil was initially cleaned up with absorbent pads. Additional oil-absorbent material was applied to areas adjacent to the spill. Frozen soil containing oil-like staining was excavated, contained in a 55-gallon drum, and transported off sited on 06/12/2018 for disposal at Heritage Environmental Services in Indianapolis, IN. Two samples and a QA/QC sample were collected from the soil removal areas. Samples were analyzed for Petroleum Identification (DOH method 310-13)and SVOCs to confirm. Results confirmed the spill to have been adequately cleaned up. The property owner was satisfied with work completed to date. 5032 NY rt 67 is currently a DER HW site, 442002, being handled out of DEC Central office by Jim Moras. -DJW "
Remarks: "cleanup in progress - CALLBACK REQUESTED - refer to Jim Moras (Central Office)"

All Materials:
Site ID: 566350
Operable Unit ID: 1314282
Operable Unit: 01
Material ID: 2321859
Material Code: 0010
Material Name: hydraulic oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 2.00
Units: G
Recovered: Not reported
Oxygenate: Not reported

14
NE
1/8-1/4
0.143 mi.
754 ft.

SONNY'S MOTORS
P.O. BOX 51
NORTH HOOSICK, NY 12133

NY SWF/LF **S123680557**
N/A

Relative:
Higher

Actual:
516 ft.

SWF/LF:
Name: SONNY'S MOTORS
Address: P.O. BOX 51
City,State,Zip: NORTH HOOSICK, NY 12133
Flag: ACTIVE
Region Code: 4
Phone Number: 5186867361
Owner Name: Lewis Monroe Jr
Owner Type: Private
Owner Address: PO Box 51
Owner Addr2: Not reported
Owner City,St,Zip: North Hoosick, NY 12133
Owner Email: MrsPoohma@aol.com
Owner Phone: 5186867361
Contact Name: Not reported
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported

SONNY'S MOTORS (Continued) **S123680557**

Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Vehicle Dismantling Facility
Activity Number:	[3420135]
Active:	Yes
East Coordinate:	637577
North Coordinate:	4754323
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	Not reported
Authorization Date:	Not reported
Expiration Date:	Not reported
Operator Name:	Lewis Monroe; Jr.
Operator Type:	Private
Laste Date:	Not reported

Name:	SONNY'S MOTORS
Address:	P.O. BOX 51
City,State,Zip:	NORTH HOOSICK, NY 12133
Flag:	INACTIVE
Region Code:	4
Phone Number:	5186867361
Owner Name:	Lewis Monroe Jr
Owner Type:	Private
Owner Address:	PO Box 51
Owner Addr2:	Not reported
Owner City,St,Zip:	North Hoosick, NY 12133
Owner Email:	MrsPoohma@aol.com
Owner Phone:	5186867361
Contact Name:	Not reported
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	VDF - large - registration
Activity Number:	[42V52804]
Active:	No
East Coordinate:	637565
North Coordinate:	4754325
Accuracy Code:	Not reported
Regulatory Status:	Registration
Waste Type:	End of Life Vehicles
Authorization #:	42V52804
Authorization Date:	6/11/2019
Expiration Date:	2/20/2024
Operator Name:	Lewis Monroe; Jr.
Operator Type:	Private
Laste Date:	Not reported

D15 NE 1/8-1/4 0.236 mi. 1246 ft. | **SCHMIGEL ALEXANDER SITE**
5079 NY RTE 67
HOOSICK FALLS, NY 12090

RCRA-SQG **1012186293**
NY MANIFEST **NYR000161547**

Site 1 of 2 in cluster D

Relative: Higher

Actual: 531 ft.

RCRA-SQG:

Date Form Received by Agency:	2008-12-02 00:00:00.0
Handler Name:	SCHMIGEL ALEXANDER SITE
Handler Address:	5079 NY RTE 67
Handler City,State,Zip:	HOOSICK FALLS, NY 12090
EPA ID:	NYR000161547
Contact Name:	JOHN J MORRIS
Contact Address:	COLUMBIA RD - SOLVAY-4
Contact City,State,Zip:	MORRISTOWN, NJ 07962
Contact Telephone:	973-455-4003
Contact Fax:	Not reported
Contact Email:	JOHN.MORRIS@HONEYWELL.COM
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R4
Mailing Address:	COLUMBIA RD - SOLVAY-4
Mailing City,State,Zip:	MORRISTOWN, NJ 07962
Owner Name:	ROBERT BRENENSTUHL
Owner Type:	Private
Operator Name:	HONEYWELL
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

SCHMIGEL ALEXANDER SITE (Continued) **1012186293**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	HONEYWELL
Legal Status:	Private
Date Became Current:	1986-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ROBERT BRENENSTUHL
Legal Status:	Private
Date Became Current:	1980-02-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	5079 RTES 67
Owner/Operator City,State,Zip:	HOOSICK FALLS, PA 12090

SCHMIGEL ALEXANDER SITE (Continued) **1012186293**

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2008-12-02 00:00:00.0
Handler Name: SCHMIGEL ALEXANDER SITE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 54162
NAICS Description: ENVIRONMENTAL CONSULTING SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: SCHMIGEL ALEXANDER SITE
Address: 5079 NY RTE 67
City,State,Zip: HOOSICK FALLS, NY 12090
Country: USA
EPA ID: NYR000161547
Facility Status: Not reported
Location Address 1: 5079 NY RTE 67
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: HOOSICK FALLS
Location State: NY
Location Zip: 12090
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000161547
Mailing Name: SCHMIGEL ALEXANDER SITE
Mailing Contact: PHILIP MILLER
Mailing Address 1: 101 COLUMBIS AVE
Mailing Address 2: Not reported
Mailing City: MORRISTOWN
Mailing State: NJ
Mailing Zip: 07962

SCHMIGEL ALEXANDER SITE (Continued) **1012186293**

Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9734554640

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	IND058484114
Trans2 State ID:	Not reported
Generator Ship Date:	06/04/2009
Trans1 Recv Date:	06/04/2009
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/22/2009
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000161547
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	IND093219012
TSDF ID 2:	Not reported
Manifest Tracking Number:	001778304FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H111
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	180
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

D16 NE 1/8-1/4 0.236 mi. 1247 ft. | **B & B SALVAGE**
5079 NY 67
HOOSICK FALLS, NY 12090

Site 2 of 2 in cluster D

NY SWF/LF | **S108145686**
N/A

Relative: Higher

Actual: 533 ft.

SWF/LF:

Name:	B & B SALVAGE
Address:	5079 NY 67
City,State,Zip:	HOOSICK FALLS, NY 12090
Flag:	ACTIVE
Region Code:	4
Phone Number:	5186867716
Owner Name:	Robert Bremenstuhl
Owner Type:	Private
Owner Address:	5079 NY 67
Owner Addr2:	Not reported
Owner City,St,Zip:	Hoosick Falls, NY 12096
Owner Email:	junkman@Roadrunner.com
Owner Phone:	5186867716
Contact Name:	Not reported
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	VDF - small - registration
Activity Number:	[42V22801]
Active:	Yes
East Coordinate:	640420
North Coordinate:	4755619
Accuracy Code:	Not reported
Regulatory Status:	Registration
Waste Type:	End of Life Vehicles
Authorization #:	42V22801
Authorization Date:	6/14/2019
Expiration Date:	6/14/2024
Operator Name:	Robert Bremenstuhl
Operator Type:	Private
Laste Date:	Not reported

Name:	B & B SALVAGE
Address:	5079 NY 67
City,State,Zip:	HOOSICK FALLS, NY 12090
Flag:	INACTIVE
Region Code:	4
Phone Number:	5186867716
Owner Name:	Robert Bremenstuhl
Owner Type:	Private
Owner Address:	5079 NY 67
Owner Addr2:	Not reported
Owner City,St,Zip:	Hoosick Falls, NY 12096
Owner Email:	junkman@Roadrunner.com
Owner Phone:	5186867716
Contact Name:	Not reported
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported

B & B SALVAGE (Continued) **S108145686**

Contact Phone:	Not reported
Activity Desc:	Vehicle Dismantling Facility
Activity Number:	[7100908]
Active:	No
East Coordinate:	640420
North Coordinate:	4755619
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	Not reported
Authorization Date:	Not reported
Expiration Date:	Not reported
Operator Name:	Robert Bremenstuhl
Operator Type:	Private
Laste Date:	Not reported

17
South
1/8-1/4
0.242 mi.
1280 ft.

NEWARK GROUP INDUSTRIES **NY CBS** **S105227020**
WALLOOMSAC DIVISION **NY CBS AST** **N/A**
NORTH HOOSICK, NY 12133

Relative:
Higher

Actual:
862 ft.

CBS:

Name:	NEWARK GROUP INDUSTRIES
Address:	WALLOOMSAC DIVISION
City,State,Zip:	NORTH HOOSICK, NY 12133
CBS Number:	4-000187
Program Type:	CBS
Facility Status:	Unregulated/Closed
Expiration Date:	Not reported
Dec Region:	4
UTMX:	636931.78696
UTMY:	4752612.54589

CBS AST:

CBS Number:	4-000187
ICS Number:	Not reported
PBS Number:	Not reported
MOSF Number:	Not reported
SPDES Number:	Not reported
Facility Status:	IN SERVICE
Facility Type:	D
Telephone:	(518) 686-7357
Facility Town:	HOOSICK
Region:	STATE
Expiration Date:	10/21/2002
Total Capacity of All Active Tanks(gal):	400
Operator:	LARRY BEAYON
Emergency Contact:	LARRY BEAYON
Emergency Phone:	(518) 686-7357
Owner Name:	BETZ DEARBORN, INC.
Owner Address:	4636 SOMERTON RD.
Owner City,St,Zip:	TREVOSE, PA 19053
Owner Telephone:	(215) 355-3300
Owner Type:	Corporate/Commercial
Owner Sub Type:	Not reported
Mail Name:	BETZ DEARBORN, INC.

NEWARK GROUP INDUSTRIES (Continued) **S105227020**

Mail Contact Addr:	4636 SOMERTON RD.
Mail Contact Addr2:	Not reported
Mail Contact Contact:	PHILLIP WATSON
Mail Contact City,St,Zip:	TREVOSE, PA 19053
Mail Phone:	(215) 355-3300
Tank Id:	17298
CAS Number:	1310732
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	09/94
Tank Closed:	00/00
Capacity (Gal):	400
Chemical:	Sodium hydroxide
Tank Location:	Indoors, Aboveground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	1
Tank Secret:	False
Tank Secondary Containment:	None
Tank Error Status:	No Missing Data
Date Entered:	10/18/1994
Certified Date:	10/22/2001
Substance:	More than one Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	0
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	None
Haz Percent:	2
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	3828
Lat/Long:	Not reported
Is Updated:	False
Renew Date:	Not reported
Is It There:	False
Delinquent:	False
Date Expired:	Not reported
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	01/18/2001

18
West
1/4-1/2
0.327 mi.
1726 ft.

BROWN'S BREWERY
BABY LANE
HOOSICK, NY 12090

NY SWF/LF **S123680382**
N/A

Relative:
Lower

Actual:
432 ft.

SWF/LF:

Name:	BROWN'S BREWERY
Address:	BABY LANE
City,State,Zip:	HOOSICK, NY 12090
Flag:	ACTIVE
Region Code:	4
Phone Number:	5183654846
Owner Name:	Garry Brown
Owner Type:	Not reported
Owner Address:	50 Factory Hill Road
Owner Addr2:	Not reported
Owner City,St,Zip:	Hoosick, NY 12090
Owner Email:	garry@brownsbrewing.com
Owner Phone:	5183654846
Contact Name:	Garry Brown
Contact Address:	50 Factory Hill Road
Contact Addr2:	Not reported
Contact City,St,Zip:	Hoosick, NY 12090
Contact Email:	garry@brownsbrewing.com
Contact Phone:	5183654846
Activity Desc:	Land application - nonrecognizable food processing waste - registration
Activity Number:	[42L01]
Active:	Yes
East Coordinate:	635429
North Coordinate:	4753784
Accuracy Code:	4.1 - Address Matching
Regulatory Status:	Registration
Waste Type:	Non-recognizable Food Processing Waste
Authorization #:	42L01
Authorization Date:	7/27/2017
Expiration Date:	7/27/2022
Operator Name:	Garry Brown
Operator Type:	Not reported
Laste Date:	Not reported

19
SE
1/4-1/2
0.335 mi.
1770 ft.

COLUMBIA CORP.
ROUTE 67
HOOSICK, NY 12133

NY HSWDS **S108146457**
N/A

Relative:
Higher

Actual:
672 ft.

HSWDS:

Facility ID:	Not reported
Region:	4
Facility Status:	None
Owner Type:	Puplic
Owner:	Columbia Corp.
Owner Address:	Rte 295
Owner Phone:	(518)392-4000
Operator Type:	Puplic
Operator:	Unknown
Operator:	Unknown
Operator Phone:	Unknown

COLUMBIA CORP. (Continued) **S108146457**

EPA ID:	None
Registry:	D
Registry Site ID:	442005
RCRA Permitted:	Unknown
Site Code:	Industrial Landfill
Owner City State:	Chatham, NY
Operator City State:	Not reported
Quadrange:	Hoosick Falls
Latitude:	42 55 03 N
Longitude:	73 18 54 W
Acres:	10.00
Operator Date:	1970
Close Date:	Unknown
Completed:	Phase 1
Active:	Unknown
PCB's Disposed:	No
Pesticides Disposed:	No
Metals Disposed:	No
Asbestos Disposed:	No
Volatile Organic Compounds Disposed:	No
Semi Volatile Organic Compounds Disposed:	No
Analytical Info Exists for Air:	Not reported
Analytical Info Exists for Ground:	None
Analytical Info Exists for Surface:	Not reported
Analytical Info Exists for Sediments:	Not reported
Analytical Info Exists for Surface:	Not reported
Analytical Info Exists for Substance:	Not reported
Analytical Info Exists for Waste:	Not reported
Analytical Info Exists for Leachate:	Not reported
Analytical Info Exists for EP Toxicity:	Not reported
Analytical Info Exists for TCLP:	Not reported
Threat to Environment/Public Health:	Public
Surface Water Contamination:	Unknown
Surface Water Body Class:	Unknown
Groundwater Contamination:	Unknown
Groundwater Classification:	Unknown
Drinking Water Contamination:	Unknown
Drinking Water Supply is Active:	Unknown
Any Known Fish or Wildlife:	No
Hazardous Exposure:	Unknown
Site Has Controlled Acess:	Yes
Ambient Air Contamination:	No
Direct Contact:	Unknown
EPA Hazardous Ranking System Score:	20.94
Inventory:	F
Nefrap:	Not reported
Mailing:	Not reported
Tax Map No:	Not reported
Qualify:	0
Next Action:	Not reported
Agencies:	Not reported
Air:	Not reported
Building:	Not reported
Site Desc:	Not reported
Drink:	Not reported
Eptox:	Not reported
Fish:	Not reported

COLUMBIA CORP. (Continued) **S108146457**

Ground:	Not reported
Ground Desc:	Not reported
Hazardous Threat:	Not reported
Haz Threat Desc:	Not reported
Leachate:	Not reported
Preparer:	Not reported
Sediment:	Not reported
Soil:	Not reported
Surface:	Not reported
Status:	Not reported
Surface Soil:	Not reported
Surface:	Not reported
TCLP:	Not reported
Waste:	Not reported

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NORTH HOOSICK	S102116305	COLUMBIA CORP RT 67 @COTTREL BENNI	RT 67 @ COTTRELL RD		NY Spills, NY AIRS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/11/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/15/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 7

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/11/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/10/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 12/31/2020
Number of Days to Update: 62

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/15/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

LTANKS: Spills Information Database
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/11/2020
Date Made Active in Reports: 01/19/2021
Number of Days to Update: 69

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 02/10/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 07/21/2020
Date Data Arrived at EDR: 09/03/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 83

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/23/2020
Date Made Active in Reports: 12/15/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/23/2020
Date Made Active in Reports: 12/15/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

CBS: Chemical Bulk Storage Site Listing
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/23/2020
Date Made Active in Reports: 12/15/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/23/2020
Date Made Active in Reports: 12/15/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/23/2020
Date Made Active in Reports: 12/15/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

ENV RES DECL: Environmental Restrictive Declarations
The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 78

Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 12/14/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Varies

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 12/14/2020
Date Made Active in Reports: 03/04/2021
Number of Days to Update: 80

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 12/14/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/11/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 02/10/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/11/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 02/10/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

VCP NYC: Voluntary Cleanup Program Listing NYC
New York City voluntary cleanup program sites.

Date of Government Version: 01/18/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 03/04/2021
Number of Days to Update: 43

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 12/10/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/11/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 02/10/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/11/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 02/10/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/11/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/10/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 12/31/2020
Number of Days to Update: 62

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/11/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/10/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

DEC surveyed select businesses, fire departments, fire training centers, bulk storage facilities, airports, and Department of Defense (DoD) facilities. The responses to the survey have helped to determine if these entities used or stored materials containing PFOA/PFOS including AFFF and dispersants used in Teflon coating operations. The results of this survey will be updated periodically as additional responses are received..

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 05/08/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9020
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 10/30/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 3

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/20/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/11/2020
Date Made Active in Reports: 01/19/2021
Number of Days to Update: 69

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 02/10/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 09/29/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 69

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/07/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/21/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2020
Date Data Arrived at EDR: 11/12/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 59

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/05/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/02/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/27/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 10/08/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 88

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/18/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 63

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/04/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 55

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 10/03/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 73

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 02/05/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 02/17/2021
Number of Days to Update: 8

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 09/30/2020
Date Made Active in Reports: 12/21/2020
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 12/02/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 12/16/2020
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 78

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 12/14/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 10/08/2020
Date Made Active in Reports: 12/30/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/11/2020
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 07/28/2020
Date Data Arrived at EDR: 08/06/2020
Date Made Active in Reports: 10/28/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 12/01/2018
Date Data Arrived at EDR: 02/13/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 120

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 02/12/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 11/29/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/16/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

COOLING TOWERS: Registered Cooling Towers

This data includes the location of cooling towers registered with New York State. The data is self-reported by owners/property managers of cooling towers in service in New York State. In August 2015, the New York State Department of Health released emergency regulations requiring the owners of cooling towers to register them with New York State.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 10/13/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 83

Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 01/13/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

NYC LEAD: Lead-based Paint Testing Results

The results of the inspections for all classrooms serving students under six in applicable buildings. Identifies all classrooms, whether there was observation of peeling paint, and if there was, standard response protocol was followed.

Date of Government Version: 12/01/2019
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/14/2021
Number of Days to Update: 80

Source: New York City Department of Education
Telephone: 212-374-5141
Last EDR Contact: 02/03/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

NYC LEAD 2: Recent Lead Paint Violations

Pursuant to New York City?s Housing Maintenance Code, the Department of Housing Preservation and Development (HPD) issues violations against conditions in rental dwelling units that have been verified to violate the New York City Housing Maintenance Code (HMC) or the New York State Multiple Dwelling Law (MDL). Violations are issued when an inspection verifies that a violation of the HMC or MDL exists. It is closed when the violation is corrected, as observed/verified by HPD or as certified by the landlord.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/27/2020
Date Made Active in Reports: 01/14/2021
Number of Days to Update: 79

Source: New York City Department of Housing Preservation & Development
Telephone: 212-863-8200
Last EDR Contact: 02/03/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

AST - CORTLAND: Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

UST - CORTLAND: Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

NASSAU COUNTY:

AST - NASSAU: Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: No Update Planned

AST NCFM: Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

TANKS NASSAU: Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

UST - NASSAU: Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: No Update Planned

UST NCFM: Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

ROCKLAND COUNTY:

AST - ROCKLAND: Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: No Update Planned

UST - ROCKLAND: Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: No Update Planned

SUFFOLK COUNTY:

AST - SUFFOLK: Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: No Update Planned

TANKS SUFFOLK: Storage Tank Database
This county is not included in the state?s database. These are facilities that have no tank information in the storage tank database.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 31

Source: Department of Health Services
Telephone: 631-854-2516
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

UST - SUFFOLK: Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

AST - WESTCHESTER: Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 06/09/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/18/2020
Number of Days to Update: 70

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Semi-Annually

UST - WESTCHESTER: Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 06/09/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/18/2020
Number of Days to Update: 70

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Semi-Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 13

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FORMER COLUMBIA CORPORATION
11 COTTRELL ROAD
HOOSICK FALLS, NY 12090

TARGET PROPERTY COORDINATES

Latitude (North):	42.923573 - 42˚ 55’ 24.86’’
Longitude (West):	73.320969 - 73˚ 19’ 15.49’’
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	637029.9
UTM Y (Meters):	4753480.5
Elevation:	467 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5935501 HOOSICK FALLS, NY
Version Date:	2013

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

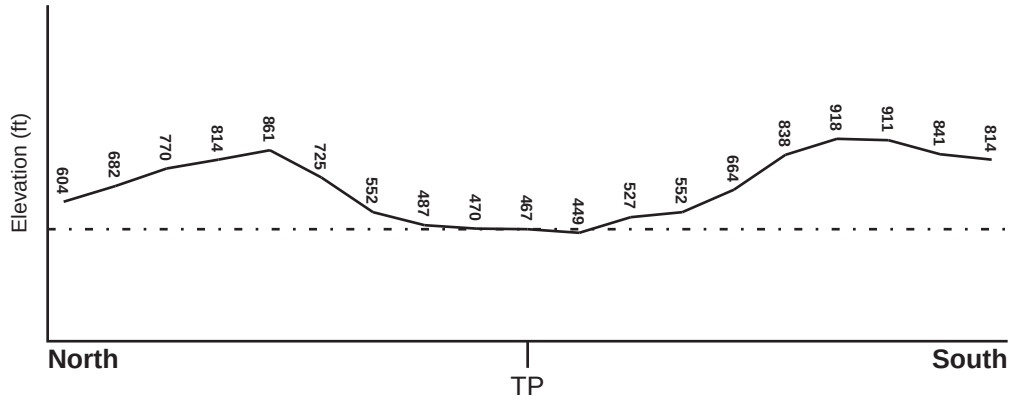
TOPOGRAPHIC INFORMATION

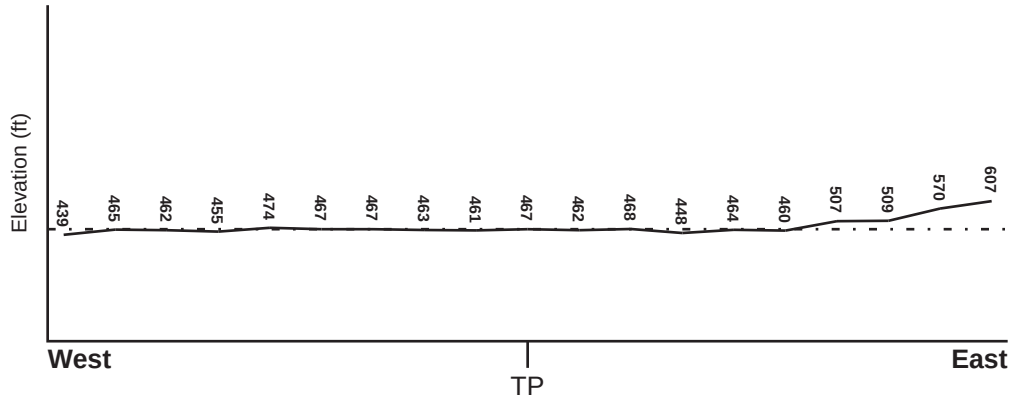
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 467 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3611540004B	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
3611540003B	FEMA Q3 Flood data
3611540007B	FEMA Q3 Flood data
3611540008B	FEMA Q3 Flood data
3606740001C	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
HOOSICK FALLS	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

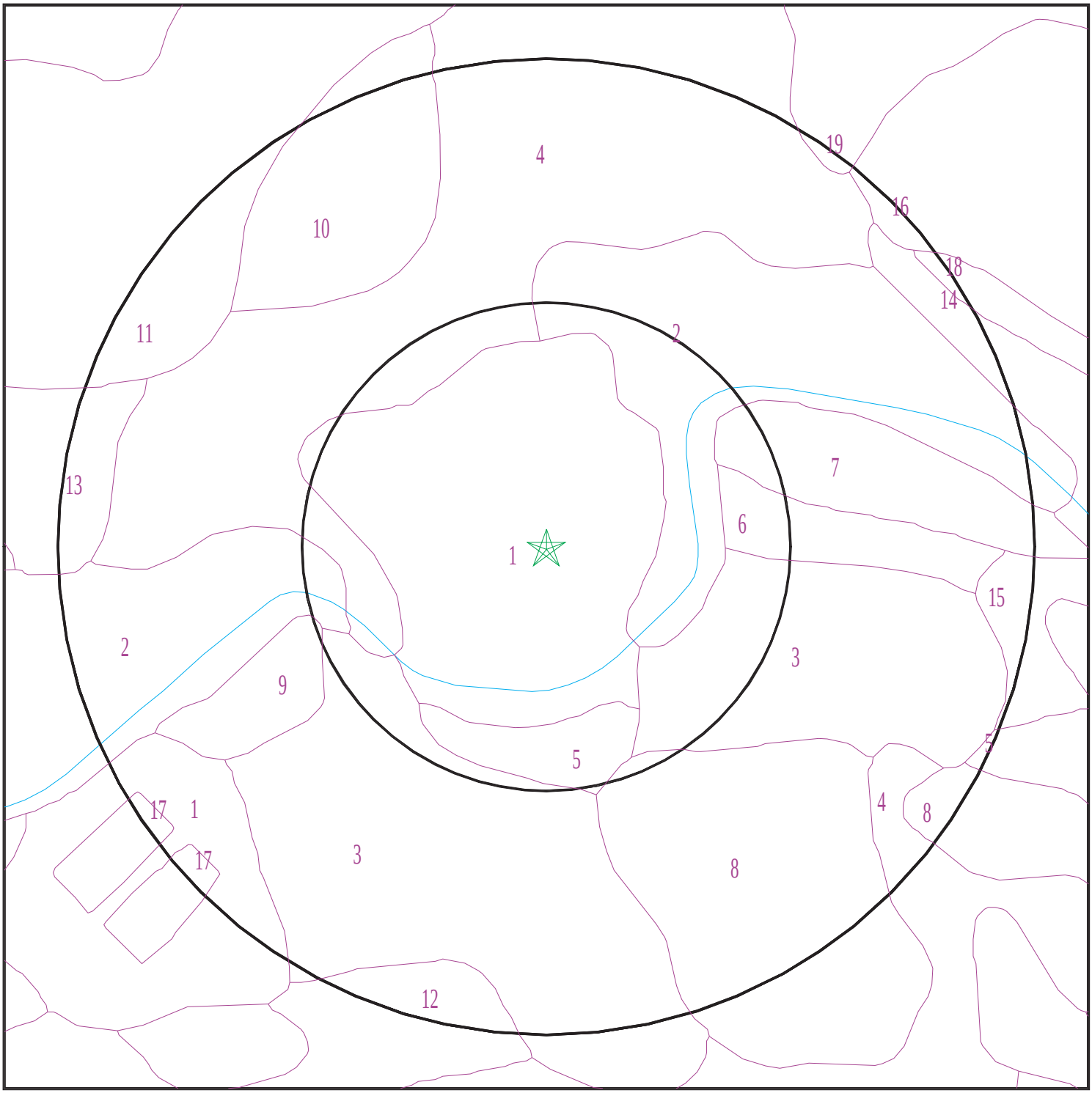
Era:	Paleozoic
System:	Ordovician
Series:	Middle Ordovician (Mohawkian)
Code:	O2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 06398565.2r



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME: Former Columbia Corporation ADDRESS: 11 Cottrell Road Hoosick Falls NY 12090 LAT/LONG: 42.923573 / 73.320969	CLIENT: CDM Smith, Inc. CONTACT: Lia Estrada INQUIRY #: 06398565.2r DATE: March 10, 2021 8:40 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Udorthents

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.2 Min: 5.1

Soil Map ID: 2

Soil Component Name: Fluvaquents

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 141 Min: 0.42	Max: 7.2 Min: 5.6
2	5 inches	59 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 141 Min: 0.42	Max: 7.2 Min: 5.6

Soil Map ID: 3

Soil Component Name: Bernardston

Soil Surface Texture: gravelly silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 54 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5
2	7 inches	29 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5
3	29 inches	59 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5

Soil Map ID: 4

Soil Component Name: Pittstown

Soil Surface Texture: gravelly silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5
2	9 inches	24 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5
3	24 inches	59 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5

Soil Map ID: 5

Soil Component Name: Bernardston

Soil Surface Texture: gravelly silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 54 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5
2	7 inches	29 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5
3	29 inches	59 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5

Soil Map ID: 6

Soil Component Name: Haven

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 6 Min: 4.5
2	9 inches	29 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 6 Min: 4.5
3	29 inches	59 inches	stratified gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 7

Soil Component Name: Haven

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 6 Min: 4.5
2	9 inches	29 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 6 Min: 4.5
3	29 inches	59 inches	stratified gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 8

Soil Component Name: Pittstown

Soil Surface Texture: gravelly silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5
2	9 inches	24 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5
3	24 inches	59 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5

Soil Map ID: 9

Soil Component Name: Hamlin

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	9 inches	33 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
3	33 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6

Soil Map ID: 10

Soil Component Name: Hoosic

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
2	9 inches	22 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
3	22 inches	59 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 11

Soil Component Name: Bernardston

Soil Surface Texture: gravelly silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 38 inches

Depth to Watertable Min: > 54 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5
2	7 inches	29 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5
3	29 inches	59 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5

Soil Map ID: 12

Soil Component Name: Scriba

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	20 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 5.1
2	20 inches	50 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 5.1
3	50 inches	59 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 5.1

Soil Map ID: 13

Soil Component Name: Bernardston

Soil Surface Texture: gravelly silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 38 inches

Depth to Watertable Min: > 54 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5
2	7 inches	29 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5
3	29 inches	59 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 6 Min: 4.5

Soil Map ID: 14

Soil Component Name: Teel

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 54 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	11 inches	40 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
3	40 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6

Soil Map ID: 15

Soil Component Name: Chenango

Soil Surface Texture: very gravelly loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	very gravelly loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: 7.8 Min: 5.1
2	7 inches	42 inches	very gravelly loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: 7.8 Min: 5.1
3	42 inches	77 inches	extremely gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: 7.8 Min: 5.1

Soil Map ID: 16

Soil Component Name: Hudson

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 54 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	7 inches	16 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	16 inches	27 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
4	27 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 17

Soil Component Name: Water

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 18

Soil Component Name: Hudson

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 54 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	7 inches	16 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	16 inches	27 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
4	27 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 19

Soil Component Name: Rhinebeck

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
2	7 inches	35 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
3	35 inches	61 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
5	USGS40000865225	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

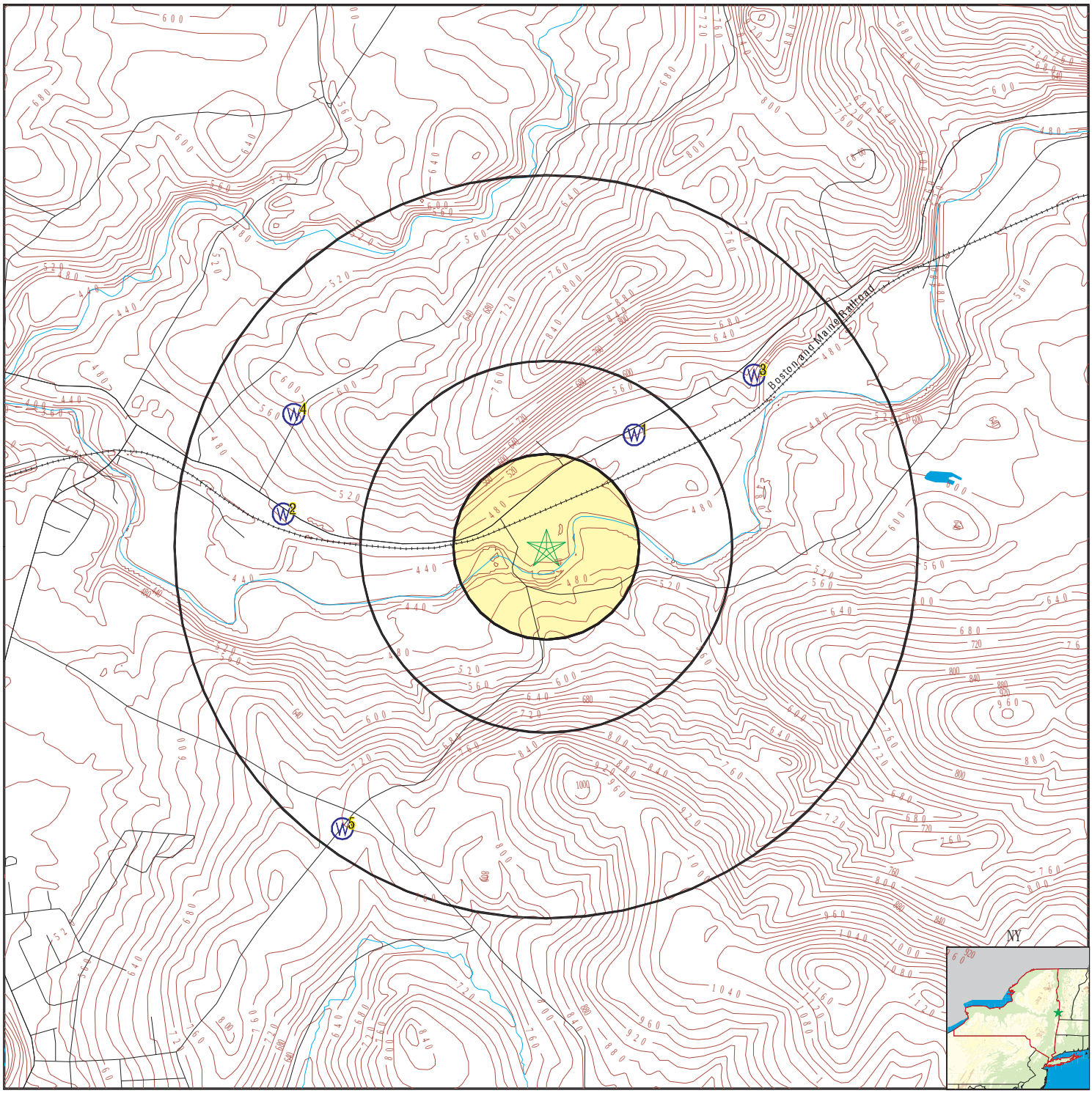
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NYWS30000014279	1/4 - 1/2 Mile NE
2	NYWS30000014188	1/2 - 1 Mile West
3	NYWS30000014218	1/2 - 1 Mile NE
4	NYWS30000014198	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 06398565.2r



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME: Former Columbia Corporation ADDRESS: 11 Cottrell Road Hoosick Falls NY 12090 LAT/LONG: 42.923573 / 73.320969	CLIENT: CDM Smith, Inc. CONTACT: Lia Estrada INQUIRY #: 06398565.2r DATE: March 10, 2021 8:40 am

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Map ID Direction Distance Elevation	Database	EDR ID Number
1 **NE** **1/4 - 1/2 Mile** **Higher**	**NY WELLS**	**NYWS30000014279**

DEC Well #:	RE7314	Location Description:	ST RT 67
Well Depth (ft):	140	Bedrock Depth (ft):	90
Groundwater Depth (ft):	85	Casing Depth(ft):	Not Reported
Screened Well:	N	Avg Dischg Rate (g/m):	8
Driller Registration #:	NYRD10057		

2 **West** **1/2 - 1 Mile** **Higher**	**NY WELLS**	**NYWS30000014188**

DEC Well #:	RE1864	Location Description:	ST RT 67
Well Depth (ft):	240	Bedrock Depth (ft):	10
Groundwater Depth (ft):	90	Casing Depth(ft):	58.299999237
Screened Well:	Y	Avg Dischg Rate (g/m):	Not Reported
Driller Registration #:	NYRD10057		

3 **NE** **1/2 - 1 Mile** **Higher**	**NY WELLS**	**NYWS30000014218**

DEC Well #:	RE3070	Location Description:	N/A
Well Depth (ft):	Not Reported	Bedrock Depth (ft):	Not Reported
Groundwater Depth (ft):	Not Reported	Casing Depth(ft):	Not Reported
Screened Well:	N	Avg Dischg Rate (g/m):	3
Driller Registration #:	NYRD10394		

4 **WNW** **1/2 - 1 Mile** **Higher**	**NY WELLS**	**NYWS30000014198**

DEC Well #:	RE2182	Location Description:	N/A
Well Depth (ft):	220	Bedrock Depth (ft):	Not Reported
Groundwater Depth (ft):	32	Casing Depth(ft):	Not Reported
Screened Well:	N	Avg Dischg Rate (g/m):	20
Driller Registration #:	NYRD10202		

5 **SW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000865225**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	RE 112	Type:	Well
Description:	Not Reported	HUC:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Till
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	6	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
RENSSELAER	BERLIN	19	7.79	5.55	25
RENSSELAER	BRUNSWICK	96	7.37	3.67	92.2
RENSSELAER	E. GREENBUSH	220	7.13	3.36	56.1
RENSSELAER	GRAFTON	31	3.83	2.13	17.7
RENSSELAER	HOOSICK	40	3.68	2.57	19.6
RENSSELAER	NASSAU	76	6.56	3.17	38.1
RENSSELAER	NO. GREENBUSH	211	9.06	4.28	130.6
RENSSELAER	PETERSBURG	36	4.69	3.6	22.1
RENSSELAER	PITTSTOWN	27	6.43	2.92	74.2
RENSSELAER	POESTENKILL	48	6.45	4.19	31.4
RENSSELAER	RENSSELAER	122	5.72	2.69	65.3
RENSSELAER	SAND LAKE	169	6.23	3.1	37.7
RENSSELAER	SCHAGHTICOKE	42	5.59	4.02	19.3
RENSSELAER	SCHODACK	247	8.3	4.2	103.2
RENSSELAER	STEPHENTOWN	29	5.35	3.23	23.3
RENSSELAER	TROY	498	5.97	3.08	134.7

Federal EPA Radon Zone for RENSSELAER County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for RENSSELAER COUNTY, NY

Number of sites tested: 85

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.570 pCi/L	87%	13%	0%
Basement	2.890 pCi/L	66%	31%	4%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Former Columbia Corporation

11 Cottrell Road

Hoosick Falls, NY 12090

Inquiry Number: 6398565.3

March 09, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

03/09/21

Site Name:	Client Name:
Former Columbia Corporation	CDM Smith, Inc.
11 Cottrell Road	110 Fieldcrest Ave #8 6th Floor
Hoosick Falls, NY 12090	Edison, NJ 08837
EDR Inquiry # 6398565.3	Contact: Lia Estrada

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Certified Sanborn Results:

Certification # A1AB-4CB4-843D

PO # 249300 TASK1.PM

Project NYSDEC Former Columbia Corp

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Sanborn® Library search results

Certification #: A1AB-4CB4-843D

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- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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HOOSICK FALLS

New York

SANBORN MAP & PUBLISHING CO.
LIMITED

SCALE 50 FT TO AN INCH — 113 BROADWAY, NEW YORK

JUNE 1884

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Population 6000. Principal Hotels, Nine.
One Steam Fire Engine. Two Hose Carts. 2000 ft. Hose. One Fire Co. Hose Co. enthusiastic. One Hook & Ladder. Engineer & Foreman paid when at fires.
Water Facilities: Good. Gravity. Six reservoirs, supplied by springs adjacent, also under distributing from Hoosick River, & small streams running thro' town.

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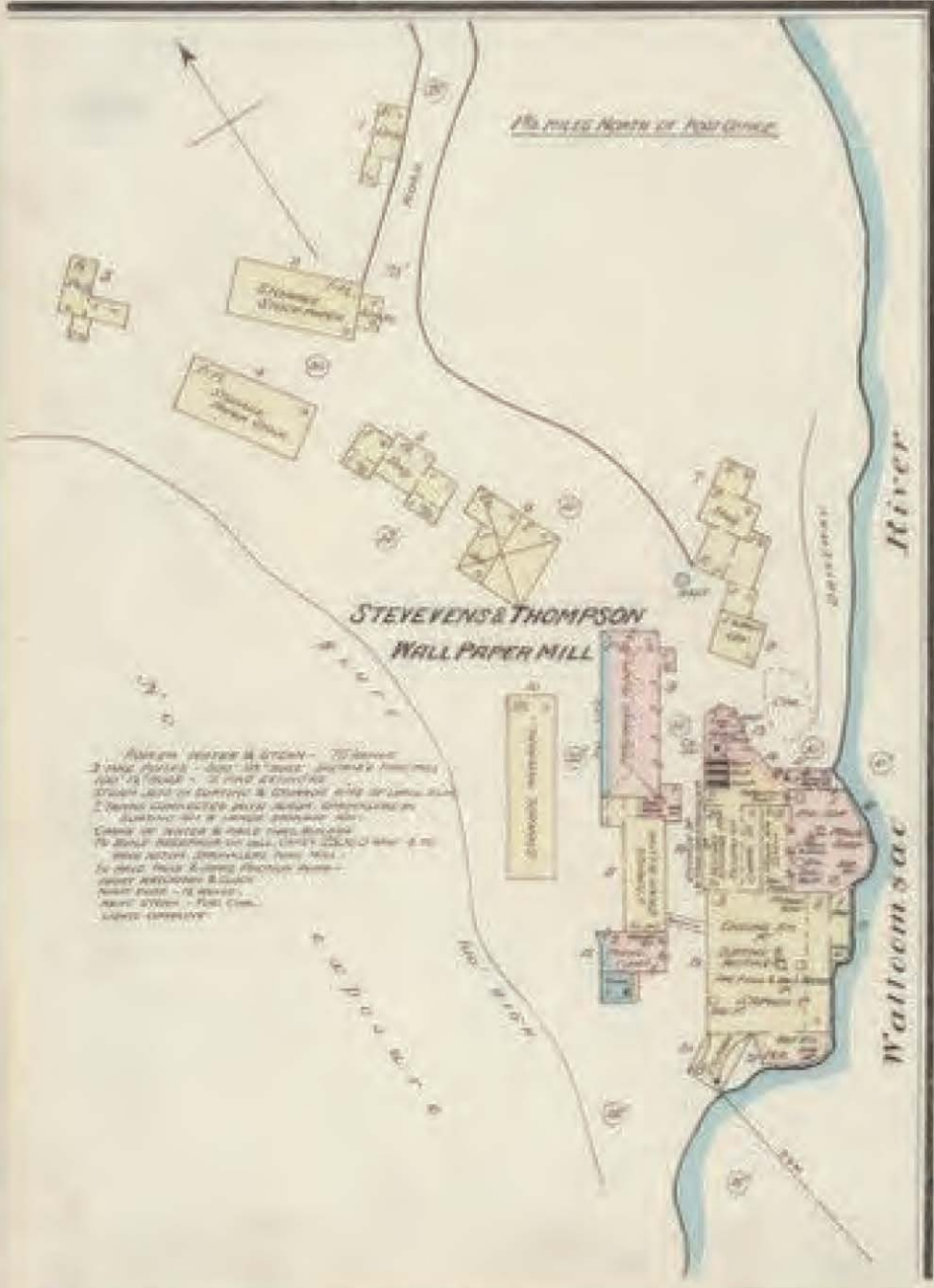

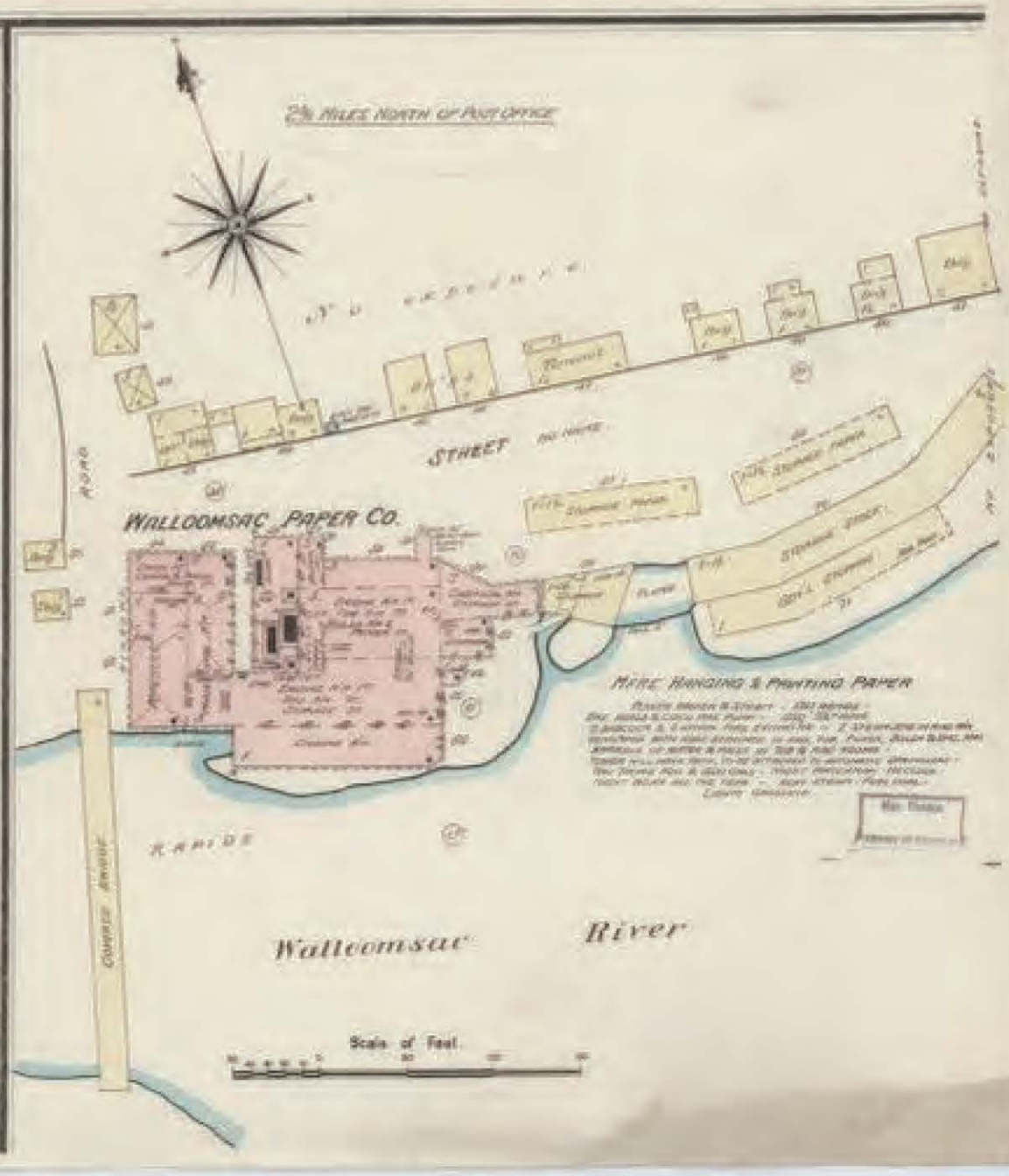

Oct. 1891
HOOSICK FALLS
N.Y.

No exposure

No exposure

48

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MADISON

ELDREDGE

MECHANIC

DAVIS

HURLEY

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1 3/4 Miles N. of P.O.

STEVENS & THOMPSON
WALL PAPER MILL

POWER WATER & STEAM - 75 HANDS -
2 FIRE PUMPS - 500' 2½" HOSE, DISTRIB'D THRO' MILL
100' 1½" HOSE - 2 FIRE EXTING'RS
STEAM JETS IN SORTING & STORAGE R'MS OF LARGE BLDG
2 TANKS CONNECTED WITH AUTOM. SPRINKLERS IN
SORTING RM. & LARGE STORAGE RM -
CASKS OF WATER & PAILS THRO. BUILD'GS.
RESERVOIR ON HILL, CAP'CY 2500 0 GALS. &
AUTOM. SPRINKLERS THRO' MILL -
PAILS & JENKS FRICTION PUMP -
NIGHT WATCHMAN & CLOCK -
NIGHT WORK - 12 HANDS -
HEAT STEAM - FUEL COAL.
LIGHTS GASOLINE & ELECTRIC -

3 Miles N. of P.O.

No exposure

WALLOOMSAC PAPER CO.

M'F'RE HANGING AND PRINTING PAPER

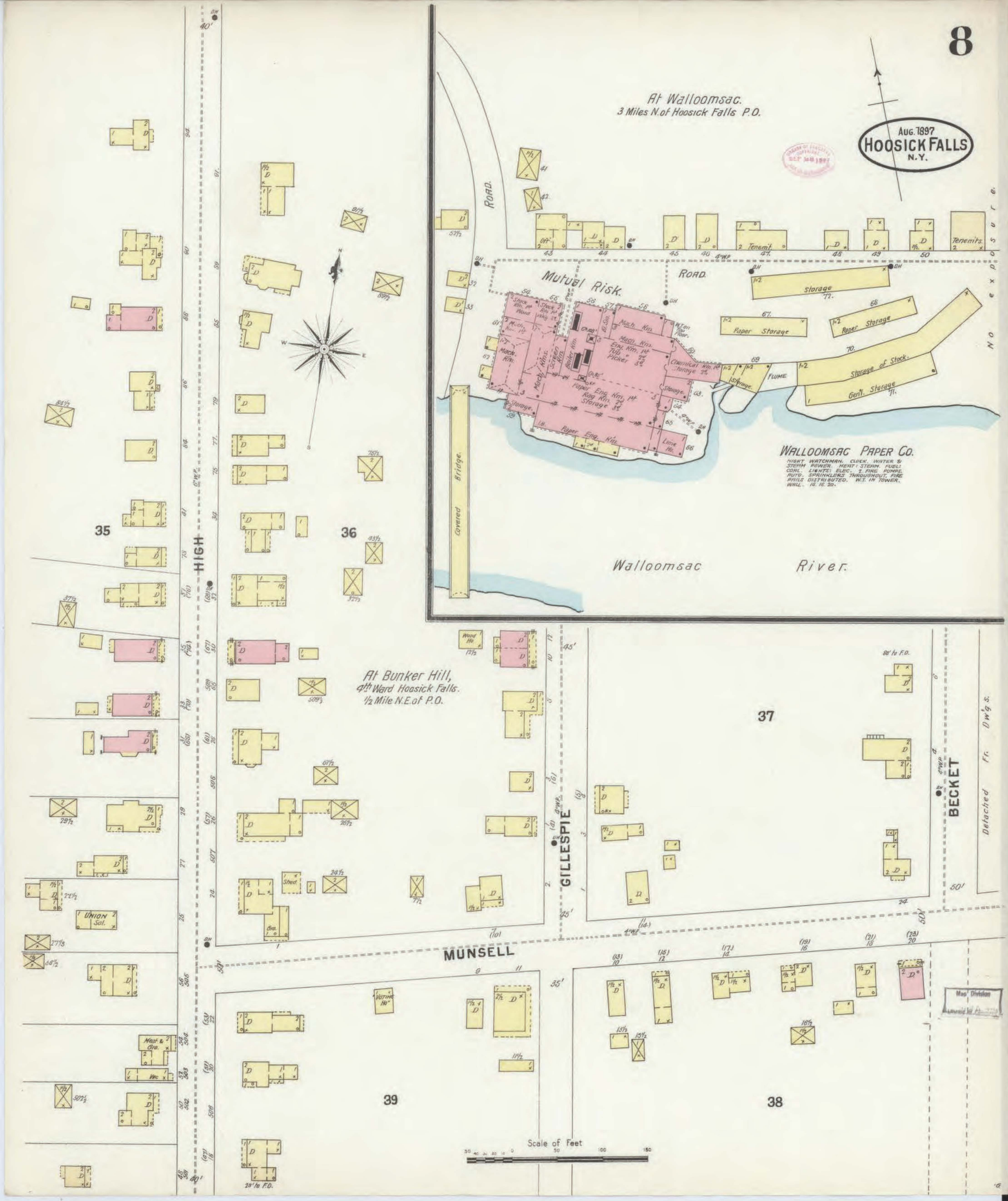
POWER: WATER & STEAM. 130 HANDS.
1 FALES & JENKS FIRE PUMP, 550' 2½" HOSE.
2 BABCOCK & WILCOX FIRE EXTING'RS. 2 STEAM
JETS IN RAG R'M. 4 PIPES WITH HOSE ATT. IN RAG,
TUB, PICKER, BOILER & ENG. R'MS. BOILS OF WATER
& PAILS IN TUB & RAG ROOMS. TOWER WITH TANK,
ATT. TO AUTOM. SPRINKLERS THROUGHOUT.
NIGHT WATCHMAN & CLOCK. NIGHT WORK ALL THE YEAR.
HEAT: STEAM. FUEL: COAL. LIGHTS: GASOLINE & ELECTRIC.

Walloomsac River

Rapids

Scale of Feet.

Map Division


At Walloomsac.
3 Miles N. of Hoosick Falls P.O.
Aug. 1897
HOOSICK FALLS
N.Y.
Mutual Risk.
ROAD.
Covered Bridge.
Walloomsac River.
WALLOOMSAC PAPER CO.
NIGHT WATCHMAN. CLOCK. WATER & STEAM POWER. HEAT: STEAM. FUEL: COAL. LIGHTS: ELEC. 2. FIRE PUMPS. AUTO. SPRINKLERS THROUGHOUT. FIRE PAILS DISTRIBUTED. W.T. IN TOWER. WALL. 16. 18. 20.
Storage
Paper Storage
Storage of Stock.
Gen'l. Storage
FLUME
Tenements
Office
Mach. Kns.
Screen Kns.
Roller Kns.
Paper Eng. Kns.
Rag Kns.
Chemical Kns.
Lime Ho.
Wood Ho.
Sheds
Union Sol.
Meat & Gro.
Veg.
Voting Ho.
At Bunker Hill,
4th Ward Hoosick Falls.
1/2 Mile N.E. of P.O.
HIGH
GILLESPIE
MUNSELL
BECKET
Detached Fr. Dw'gs.
35
36
37
38
39
Scale of Feet

Sep. 1904
HOOSICK FALLS
N.Y.

AT BUNKER HILL
4TH WARD HOOSICK FALLS.
1/2 Mile N.E. of P.O.

AT WALLOOMSAC.
3½ Miles N. of Hoosick Falls P.O.

WALLOOMSAC PAPER CO. (MUTUAL RISK)

WALLOOMSAC PAPER CO
PRODUCT COLORED WALL PAPER

NIGHT WATCHMAN, AM. ELEC. CLOCK, 6 STATIONS. POWER: WATER AND STEAM. HEAT: STEAM. PUBLIC COAL. LIGHTS: ELEC. ONE F.& J. ROTARY PUMP NO 5, ONE WORTHINGTON DUPLEX SP. PUMP CAP'Y 750 GALS PER MINUTE. 800' 2½" HOSE. GRINNELL AUTO. SPRINKLERS THROUGHOUT, WET SYSTEM EXCEPT IN STORE NO'S WHERE DRY SYSTEM. PRIMARY SUPPLY FROM RESERVOIR OF 54000 GALLS CAP'Y 81 LBS. PRESSURE AND F.P.S CONNECTED. FILLED IRON FIRE PAILS DISTRIBUTED. W.C.-IN TOWER NOT USED.

ALL WALLS 20", 16", 16" THICKNESS.

Walloomsac River

HIGH

GILLESPIE

BECKET

MUNSELL

UNION Sal.

Scale of Feet.

Fire Insurance Map Collection
Geography and Map Division
Library of Congress

Dec. 1910.
Hoosick Falls N.Y.

At Walloomsac
Located 3½ Miles N. of Hoosick Falls P.O.

Walloomsac Paper Co.
Mfr's. of Colored Wall Paper
Mutual Risk.
Night Watchman - Paper: Elec. Clock, 8 Stations - Power: Water, Steam - Heat: Steam - Fuel: Coal - Lights: Elec. Line F. & J. Rotary Pump, Mfs. Dye Worthington Duplex Steam Pump Capcy. 750 Gals. per Minute - 800 2½" Hose. Grinnell Auto Sprinklers, Thro-out - Wet System - Except in Store Hse. which have Dry System - Heads Spaced 8' x 8' - Primary Supply from Reservoir Capcy. 58,000 Gals. 81 Lbs. Pressure & F.Ps. Connected - Filled in Fire Pumps Distribd. - W. Tn. Tower not used - All Walls 20", 16", 16" Thickness.

Walloomsac River

At Bunker Hill

High — Gillespie — Becket — Munsell — Iron Bridge Road

No Exposure

Scale of Feet.

Fire Insurance Map Collection
Geography and Map Division
Library of Congress

Dec. 1910.
HOOSICK FALLS
N.Y.

WALLOOMSAC
Located 4 Miles N. of Hoosick Falls, P.O.
TOWN OF HOOSICK

STEVENS & THOMPSON PAPER CO.
WALLOOMSAC MILL

WATCHMAN WITH CLOCK · HEAT: STEAM · POWER: WATER, STEAM & ELEC · LIGHTS: ELEC · FUEL: COAL · AUTO SPRKLRS SUPPLIED BY 34,000 GAL. RESERVOIR & WORTHINGTON STEAM PUMP · CAPY: 750 G.P.M. HYDS AS SHOWN · 750' 2½" HOSE.

Walloomsac River

Head Race

FACTY BLDG 4
FACTY BLDG 6
FACTY BLDG 2
FACTY BLDG 3
STORE HO. 7
STORE HO. 4B
STORE HO. 8
STORE HO. 10
STORE HO. 14
STGE SHED 5A
PAPER STORE HO. No 2
PAPER STGE 9A
RACE SHED 7A
STGE 5
STGE
BLR RM
CONVEYER
SPUR TRACK
PLATFORM
IRON BRIDGE
BRIDGE
ROAD
6" W. PIPE
4" W. PIPE
D.H. & 200' 2½" HOSE
8" W.P. TO 40,000 GAL. RESERVOIR

AT BUNKER HILL

HIGH
GILLESPIE
MUNSELL
KELLY
BECKET

VETERINARIAN

NO EXPOSURE

Scale of Feet.

Appendix B

Field Notes

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FORMER COLUMBIA CORPORATION

D009805-9

442005

Rite in the Rain®

ALL-WEATHER

ENVIRONMENTAL

№ 550F

Pine Environmental Services LLC

The Environmental Supply and Support People

Rentals - Sales - Repairs

www.pine-environmental.com

CONTENTS

PAGE	REFERENCE	DATE

Location Walloomsac, NY Date 01/04/21

Project / Client Former Columbia Corp./NYSDEC

Mob. Day

Weather : 31°F - Cloudy
PPE : Mod. Level D.
Personnel : M. Renko, S. Marciano, Aztech
Purpose : CDM Smith will oversee Aztech with brush clearing at various locations site-wide, along with well rehab of concrete pads for MW-01 and MW-02 (existing wells).

08:20 - CDM Smith onsite; preparing field notes and paperwork
09:00 - NYSDEC onsite
09:30 - Awaiting drill crew; Approved access to SW-09 and SW-08. Scouted locations
- located staging area / decon pad locations with property owner.
11:00 - Aztech arrives onsite
- H&S meeting and COVID-19 sign-in
11:15 - Mobilize to begin clearing locations
- Located all drilling locations w/ driller.
13:00 - NYSDEC offsite
13:15 - Protective casing for MW-01 and MW-02 need to be replaced due to length.

Rite in the Rain

Location Walloomsac, NY Date 01/01/21

Project / Client Former Columbia Corp. / NYSDEC

13:20 - Aztech will bring more protective casing to replace MW-01 + MW-02 and will install on 01/05/21.

14:00 - CDM Smith and Aztech offsite and will begin drilling / sampling activities on 01/05/21.

01/04/21

Location Walloomsac, NY Date 01/05/21

Project / Client Former Columbia Corp. / NYSDEC

Soil Sampling / MW Install.

Weather: 29°F - overcast

PPE: Mod. Level D.

Personnel: M. Renko, S. Marciano, Ray Hammond, Zach Condon (Aztech)

Purpose: CDM Smith will oversee MW installation and collect soil samples from 4 total locations.

Note: Deviations from WP approved by NYSDEC to remove SB-04 / MW-04, due to restricted access on down gradient side of nearest LF to staging area. Will hand drive casing to ~4-5' bgs to collect lithology and install two Piezometers in place of MW-04 on down gradient side of LF. Piezometer locations have been marked in the field by NYSDEC and CDM Smith.

07:15 - CDM Smith onsite

07:30 - Aztech arrives onsite with rig.
- H&S meeting with COVID-19 sign-in.

07:45 - Aztech begins constructing decon pad in staging area.

01/05/21

Rite in the Rain

Location Walloomsac, NY Date 01/05/21

Project / Client Former Columbia Corporation / NYSDEC

Soil Sampling / MW Install

08:40 - Mob to SB-05 / MW-05.

09:00 - Broken cylinder on Flatbed truck after taking rig off. Aztech consults with their management to mitigate issue.

10:00 - Begin drilling at SB-05 / MW-05.

10:15 - Hand auger used to obtain sample volume for 0-2" interval and 2"-12" interval. Hand auger was decomned prior to collecting second interval. MS/MSD collected at SB-05

11:30 - HSA's setup; break for lunch.

12:20 - All crew return from lunch

12:40 - Begin advancing HSA

14:40 - Depth of 28 ft bgs reached with HSA

14:50 - Begin installing MW-05; EB-01 collected from Macrocore

MATERIALS USED:

#1 Sand — ||||

Bentonite - ||

~~Bensal~~ Portland - |||

15:45 - MW-05 completed and set at 27.5' bgs.

01/05/21

Location Walloomsac, NY Date 01/05/21

Project / Client Former Columbia Corp. / NYSDEC

Soil Sampling / MW Install

16:00 - Bentonite hydrated; will complete MW-05 to ground surface on 01/06/21.

16:15 - Site cleaned up and all personnel offsite.

01/05/21

Rite in the Rain

Location Walloomsac, NY Date 01/06/21

Project / Client Former Columbia Corp. / NYSDEC

Soil Sampling / MW Install

Weather: 27°F - cloudy / flurries

PPE: Mod. Level D.

Personnel: M. Renko, S. Marciano, Ray Hammond, Zach Condon (Aztech)

Purpose: Install SB-07 / MW-07 and Piezometers to nearest LF. Need to hold off on SB-03/MW-03 until CAMP Stations arrive. Need to hold of on SB-06/MW-06 until GPR is completed.

07:15 - CDM Smith onsite

08:10 - Aztech onsite; H&S meeting w/ COVID-19 sign-in.

08:15 - Mobilize to complete MW-05 to ground surface

09:45 - MW-05 completed to ground surface with steel stick-up (blue)

10:00 - Aztech mobilizes to construct decon pad at staging area. CDM Smith prepares labels and bottleware for SB-07/MW-07. All drums staged next to decon pad.

11:00 - Mob to PZ-07 / PZ-07

12:50 - Begin drilling at PZ-07 / PZ-07

Matthew Renko 01/06/21

Location Walloomsac, NY Date 01/06/21

Project / Client Former Columbia Corp. / NYSDEC

Soil Sampling / MW Install

13:55 - Sample collected from 0-2' at PZ-07

14:00 - Sample Collected from 8-12"

14:05 - Sample Collected from 11-13' bgs

* 1st Attempt refusal at ~15' bgs. Offset ~2' West - failed.

* Call with C. Monaco (NYSDEC) to discuss offsetting again. Approved to offset at CDM Smith discretion. Third offset is approx. 30 feet towards railway, but still greater than 50 feet from railway.

14:30 - Begin advancing HSA at MW-07

MATERIALS USED:

#1 SAND - ~~IIII~~ II

Bentonite - II

Portland - II

15:30 - Well complete at MW-07.

15:45 - Crew mobilizes to decon pad to decon HSA for drilling on 01/07/21. All IDW drummed at SA.

16:00 - All Crew offsite

Matthew Renko 01/06/21

Rite in the Rain

Location Walloomsac, NY Date 01/07/21

Project / Client Former Columbia Corp. / NYSDEC

Soil Sampling / MW Install

Weather: 25°F - Mostly Cloudy

PPE: Mod. Level D

Personnel: M. Renko, S. Marciano, R. Hammond, Z. Condon (Aztech)

Purpose: Install PZ-01 and PZ-02 while collecting soil samples from 0-2", 2-12" and TBD 3rd interval. GPR Clearance will allow drilling to begin at SB-06 / MW-06.

07:15 - COM Smith onsite

07:45 - Aztech onsite; H&S meeting w/ COVID-19 sign-in and Decon hand augers.

08:15 - Mob to PZ-01 and PZ-02, while drillers complete grouting MW-07.

09:30 - Begin hand auger at PZ-01

9:35 - Sample collected from 0-2"

9:55 - Sample Collected from 2-12"

10:05 - Sample Collected from 3-4'

10:15 - PZ-01 installed to 4' bgs

10:20 - Begin hand auger at PZ-02

10:25 - Sample Collected from 0-2"

10:30 - Sample Collected from 2-12"

10:55 - Sample Collected from 3-4'

11:10 - PZ-02 installed to 5 ft bgs.

Matthew Renko 01/07/21

Location Walloomsac, NY Date 01/07/21

Project / Client Former Columbia Corp. / NYSDEC

Soil Sampling / MW Install

11:30 - All crew mobilizes to MW-05 to begin well development.

* CAMP Stations in transit. Will continue drilling on 01/08/21 with CAMP Stations for MW-03 and MW-06. GPR Survey completed on 01/07/21. Remainder of bottleware will be delivered onsite on 01/08/21.

Well Development - MW-05

DTW: 15.82' BTIC

DTB: 28.30' BTIC

13:15 - Approx. 40 gallons purged from MW-05 into IDW drum. Turbidity significantly lower at end of purge.

13:25 - Mob. back to staging area to unload IDW and prepare for more well development

13:55 - Begin development at MW-02

Well Development - MW-02

DTW: 6.59 ft BTIC

DTB: 14.85 ft BTIC

GALLONS Purged: ~36 gallons

Rite in the Rain

Location Walloomsac, NY Date 01/07/21

Project / Client Former Columbia Corp. / NYSDEC

Soil Sampling / MW Install

Well Development - MW-01

DTW : 9.51 ft BTIC

DTB : 37.91 ft BTIC

GALLONS PURGED : ~25 gallons

~~CDM~~ (FW)

14:30 - EB-03 collected from hand auger head

15:20 - Drillers return with IDW water from MW-02.

15:30 - CDM Smith plans next day with aztech.

1) Drill MW-03/SB-03 and simultaneously develop MW-01.

2) Drill MW-06/SB-06.

15:45 - All personnel offsite

* 2 bags of #1 SAND used for PZ-01 + PZ-02

01/07/21

Location Walloomsac, NY Date 01/08/21

Project / Client Former Columbia Corp. / NYSDEC

Soil Sampling / MW Install

Weather: 23°F - cloudy

PPE : Mod. Level D.

Personnel : M. Renko, S. Marciano, R. Hammond, E. Condon

Purpose : Sample and Install SB-03/MW-03, SB-06/MW-06.

07:30 - CDM Smith onsite.

07:50 - Aztech onsite; H&S meeting w/ Covid-19 Sign in.

08:15 - Mob to SB/MW-03

09:10 - Begin drilling and litho logging at SB-03/MW-03

09:20 - Sample Collected from 0-2"

09:30 - Sample Collected from 8-12"

~~09:50 - Sample Collected from MD~~

09:15 - Development of MW-01 is occurring while drilling activities take place.

10:00 - Relocating MW-03 due to poor recovery; need subsurface info.

11:00 - Poor recovery (no recovery from 3-15 ft bgs.

12:00 - Break for lunch

12:30 - Return from lunch.

01/08/21 Light Rain

Location Hallowsac, NY Date 01/08/21

Project / Client Former Columbia Corp. / NYSDEC Soil Sampling / MW Insta

14:00 - Discussion with project team about Recovery issues. Will set well from 8-18 ft bgs per boring logs. Well needs to be screened accross water table per NYSDEC Direction.

15:00 - Waste lodged in cutting shoe of augers. Decision made to leave HSA and well in place and install pre-packed screen for MW-03.

15:30 - Checked GPR Mark-outs with NYSDEC for SB-06/MW-06 and chose where to drill.

16:00 - All crew offsite

01/08/21

Location Wallowsac, NY Date 01/11/21

Project / Client Former Columbia Corp. / NYSDEC Soil Samp / MW Instal

Weather: 25°F - cloudy

PPE: Mod. Level D.

Personnel: M. Renko, S. Marciano (COM Smith), R. Hammond, E. Condon (Aztech)

Purpose: Complete Installation of MW-03 and MW-06.

0715: COM Smith onsite.

0730: Aztech arrives onsite

0800: Mob to complete MW-03.

Materials used:

#1 SAND: 11

Bentonite: 1

grout: 11

* CAMP Stations running to complete well installation

0830: Rig will not start; Atech mobs back to support truck for jumper cables.

0900: Rig jumped; Aztech begins MW-03 Installation

1000: Drillers get chains to remove augers

1100: Augers removed; begin installing MW-03.

11[15]: Borehole collapse; cutting shoes of auger tangled in metal wire. Aztech will advance HSA again with wooden plug.

01/11/21

Rite in the Rain

Location Walloomsac, NY Date 01/11/21

Project / Client Former Columbia Corp. / NYSDEC

Soil Sampling / MW Install

11:30 - Break for lunch, while Atech prepares HSA.

- COM Smith prepares and QC's bottles / samples for courier pick-up.

13:15 - MW-03 completed to ground surface.

13:30 - Mob to decon HSA, then set-up at MW-06/SB-06.

~~Begin drilling SB-06/MW-06~~ (MP)

~~14:20 - Sample Collected from 0-2"~~

~~14:35 - Sample Collected from 2-12"~~

~~- Sample Collected from~~

14:30 - Hand clearing SB-03/MW-03, due to utility clearance.

14:45 - Hand clearing complete

14:50 - Begin advancing macrocores.

* Duplicate "906" collected at 14:45

15:30 - Crew removes rig from SB-06.

14:00 - Call w/ NYSDEC regarding refusal. Will go back to SB-06 to collect 3rd sample interval where 2.4 ppm hit occurred. Will also install new well near MW-01 as overburden.

Location Walloomsac, NY Date 01/11/21

Project / Client Former Columbia Corp / NYSDEC

Con't

- Call with A. Picunas (PM), informing decision made by NYSDEC to collect 3rd interval at SB-06 and install new well. New well will be named MW-04.
- Call with driller to ensure well construction materials will be onsite on 1/12/21.

14:30 - all personnel offsite.

- Mob to office to check if there is adequate sample containers.

01/11/21

Rite in the Rain

Location Wallboomsac, NY Date 01/12/21

Project / Client Former Columbia Corp. / NYSDEC

Soil Sampling / MW Install

Weather: 28°F - cloudy - wind: WSW 3mph

PPE: Mod. Level D.

Personnel: Mikenko, S. Marciano (COM Smith), R. Hammond (Aztech)

Purpose: Collect third interval at SB-06 and install new well near MW-01

08:00 COM onsite

08:15 Aztech onsite; H&S meeting w/ COVID-19 Sign in

08:45 : set-up to collect 3rd interval at SB-06.

09:15 : Sample Collected from 6.5 - 7.5' bgs at SB-06.

09:35 : Mob to new well location

10:00 - Begin drilling MW-04 / SB-04

10:45 - Refusal encountered at ~14.4' bgs.

11:00 - Begin advancing HSA.

11:20 - HSA advanced to 5' bgs; break for lunch to prepare samples for shipment.

11:50 - return from lunch

12:00 - Mob. back to MW-04 to complete installation.

12:10 - Continue advancing HSA

Matthew Mikenko 01/12/21

Location Wallboomsac, NY Date 01/12/21

Project / Client Former Columbia Corp / NYSDEC

Soil Sampling / MW Install

13:00 - Depth of 15' bgs reached with HSA.

- preparing to install well.

MATERIALS USED:

#1 SAND : IIII

Bentonite : I

grout : II

14:00 - Well completed to ground surface

14:15 - Mob back to staging area to decon equipment and collect sample of decon water used by Aztech.

14:55 - Drillers complete decon

14:30 - Decon water sample collected

15:30 - All personnel offsite; COM Smith staff mob to office to prepare for SW + SED sampling on 01/13/21.

Matthew Mikenko 01/12/21

Rite in the Rain

Location Walloomsac, NY Date 01/13/21

Project / Client Former Columbia Corp. / NYSDEC

SW + SED Sampling

Weather: 30°F - cloudy.

PPE: Mod. Level D.

Personnel: M. Renko, S. Mariano, ~~R. Hammond~~, Z. Cordon.

Purpose: Complete well development and SW + SED sampling.

07:45 - CDM Smith onsite

08:15 - Aztech onsite; HES meeting w/ Covid-19 sign-in.

08:45 - Aztech Mobs to complete well development at MW-07, MW-08, and MW-03

- CDM Smith mobs to begin collecting equipment blanks, then SW and SED samples.

09:30 - SW-09 collected / SED-09

↳ MS/MSD collected for both

10:40 - SW-08 / SED-08 Collected

11:00 - SW-05 / SED-05 Collected

11:20 - SW-07 / SED-07 Collected

11:40 - SW-06 / SED-06 Collected

12:10 - SW-04 / SED-04 Collected

12:30 - SW-03 / SED-03 Collected

- Duplicate Collected from 03

01/13/21

Location Walloomsac, NY Date 01/13/21

Project / Client Former Columbia Corp.

SW + SED Sampling

13:00 - CDM Smith mob. back to staging area to QC samples.

13:45 - Aztech consolidates drums in area by decon pad. PPE drums labeled.

15:00 - All personnel offsite. CDM Smith brings samples to TA (Eurofins) @ 25 Kraft Ave. Albany, NY.

01/13/21

Rite in the Rain

Appendix C

Soil Boring Logs

CDM Smith

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CDM Smith

Boring Name: PZ-01

Client: NYSDEC
Project Location: Walloomsac, NY

Project Name: Former Columbia Corp.
Project Number: 249300

Drilling Contractor: Aztech
Drilling Method: Hand auger
Sample Method: Hand auger
Drilling Date: 01/07/21
North:
East:

Surface Elevation (ft amsl):
Total Depth: 4.0' bgs
Depth to Initial Water Level (ft bgs): 2.75
Field Screening Instrument: PID
Logged by: M. Renko

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
			0-2"				0-2": Moist, brown, loose, SILT, trace fine sand.
			2-12"		0.0		2"-12": Moist, brown, loose, SILT, some fine SAND.
					0.0		1'-2.5': SAA
2							
					0.0	▽	2.5'-4': Moist to wet at ~2.75' bgs, brown, loose, SILTY SAND.
			3-4'		0.0		
4							Hand auger refusal at 4.0 ft bgs.
6							

Remarks:

Boring Completion Depth ft bgs 4.0

CDM Smith

Boring Name: PZ-02

Client: NYSDEC
Project Location: Walloomsac

Project Name: Former Columbia Corp
Project Number: 249300

Drilling Contractor: Aztech
Drilling Method: Hand auger
Sample Method: Hand auger
Drilling Date: 01/07/21
North:
East:

Surface Elevation (ft amsl):
Total Depth: 5.0' bgs
Depth to Initial Water Level (ft bgs): 2.8'
Field Screening Instrument: PID
Logged by: M. Renko

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
			0-2"		0.0		0-2": Moist, brown, loose, SILT, little fine SAND.
			2-12"		0.0		2"-12": Moist, Brown, loose, SILT, some med-fine SAND.
							1-2.5': SAA
2					0.0		
					0.0		2.5-4': Moist, to wet @ ~2.8' bgs, brown, loose, SILTY SAND.
			3-4'		0.0		4-5': Wet, brown, loose, SILTY SAND
4							
							Hand auger refusal @ 5.0 ft bgs.
6							

Remarks:

Boring Completion Depth ft bgs 5.0

CDM Smith

Boring Name: SB-03

Client: NYSDEC
Project Location: Walloomsac, NY

Project Name: Former Columbia Corp
Project Number: 249300

Drilling Contractor: Aztech
Drilling Method: DPT
Sample Method: Macrocore
Drilling Date: 01/05/21
North:
East:

Surface Elevation (ft amsl):
Total Depth: 26.1' bgs
Depth to Initial Water Level (ft bgs): ~12' bgs
Field Screening Instrument: PID
Logged by: M. Renko

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
		1 3	0-2"		0.0		0-1': Moist, brown, loose, organics, SILT, ~~little~~ trace angular gravel
		3 3	2-12"	3'			
					0.0		1-3': WASTE, Moist, brown, loose, SILT, little fine SAND.
					0.0		
							3-5': No Recovery
5							5-10': No Recovery
							* Macro core wet
10							10-15': No Recovery
							* Macrocore wet
15							15-15.5': WASTE - wet
				~~0.0~~	0.0		15.5-19: Saturated, brown, loose, fine SAND.
				4'	0.0		
				~~0.0~~			
					0.0		19-20 - No Recovery
20							

Remarks:

Boring Completion Depth ft bgs 26.1

CDM Smith

Boring Name: SB - 03

Client: NYSDEC
Project Location: Walloomsac, NY

Project Name: Former Columbia Corp
Project Number: 249300

Drilling Contractor: Aztech
Drilling Method: DPT
Sample Method: Macrocore
Drilling Date: 01/08/21
North:
East:

Surface Elevation (ft amsl):
Total Depth:
Depth to Initial Water Level (ft bgs): ~12' bgs
Field Screening Instrument: PID
Logged by: M. Renko

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
				5'	0.0		20-21: Sluff - Wash and fine SAND 21-25: Moist, grey, dense, SILT, Some fine SAND and angular flat gravel, Quartzite frags at 24' bgs. (TILL).
25					0.0		25-26': SAA. Refusal encountered at 26.1' bgs

Remarks:

Boring Completion Depth ft bgs 26.1

CDM Smith

Boring Name: SB-04

Client: NYSDEC
Project Location: Walloomsac, NY

Project Name: Former Columbia Corp.
Project Number: 249300

Drilling Contractor: Aztech
Drilling Method: DPT
Sample Method: Macrocore
Drilling Date: 01/12/21
North:
East:

Surface Elevation (ft amsl):
Total Depth: 14.4
Depth to Initial Water Level (ft bgs): 10' bgs
Field Screening Instrument: PID
Logged by: M. Renko

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
			0-2"		0.0		0-1.5': Moist, Brown, loose, SILT, trace organics
			2-12"	1.5	0.0		1.5-5': No Recovery
5							
				2.4	0.0		5-5.5': Dry, brown, loose, SILT, some plastic fragments
					0.0		5.5'-7.4': Moist, brown, loose, SILT, little fine sand, trace fine angular gravel
							7.4'-10': No Recovery
10						▽	10-10.5: Wet, brown, loose, CMF SAND, little sub-angular gravel, trace SILT
				4.4	0.0		10.5-12': Wet, brown, loose, coarse-med. SAND, Some coarse angular gravel
					0.0		12-14.4': Wet, grey, STIFF, SILT, some sub-angular coarse gravel, quartzite frags.
15							Refusal encountered at 14.4' bgs
20							

Remarks:

Boring Completion Depth ft bgs 14.4

CDM Smith

Boring Name: SB-05

Client: NYSDEC
Project Location: Walloomsac, NY

Project Name: Former Columbia Corp.
Project Number: 249300

Drilling Contractor: Aztech
Drilling Method: DPT
Sample Method: Macrocore
Drilling Date: 1/5/21
North:
East:

Surface Elevation (ft amsl):
Total Depth: 26.7' bgs
Depth to Initial Water Level (ft bgs): 22' bgs
Field Screening Instrument: PID
Logged by: M. Ranko

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
							20'-21': Sluff
				4'		22' ▽	21-24': Moist/wet, loose, grey, SILT, little med-fine SAND, little angular-rounded CMF gravel (Till)
							24-25: No recovery
25				1.7'			25'-26.7': Saturated, loose, SILT, some med-fine SAND, little med.-fine sub-angular Gravel
							Refusal encountered at 26.7' bgs.
30							
35							

Remarks: • Refusal at 26.7' bgs

Boring Completion Depth ft bgs 26.7' bgs

CDM Smith

Boring Name: SB-05

Client: NYSDEC
Project Location: Walloomsac, NY

Project Name: Former Columbia Corp.
Project Number: 249300

Drilling Contractor: Aztech
Drilling Method: DPT
Sample Method: Macrocore
Drilling Date: 1/5/21
North:
East:

Surface Elevation (ft amsl):
Total Depth: 26.7' bgs
Depth to Initial Water Level (ft bgs): 22' bgs
Field Screening Instrument: PID
Logged by: M. Renko

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
	442005-SB-05-0-2-010521		0-2"	2"			0-2": Moist, Brown, loose, SILT, little angular gravel, trace clay.
	242005-SB-05-2-12-010521		2-12"	4'			2"-2': Moist, Brown, loose, SILT, little coarse Angular gravel, trace Clay.
							2'-3': Moist, Brown/tan, loose, SILT, some fine SAND, trace sub-rounded gravel.
							3-4': Moist, Brown/grey, loose, SILT, some Clay.
5							4-5' - No recovery
							5-6.5': Moist, tan, loose, SILT, Little clay
				5'			6.5'-9': Moist, tan, dense, SILT, some coarse angular Gravel.
							9'-10': Dry, tan, dense, SILT, trace clay.
10							10'-11': Moist, tan, loose, SILT, little sub-rounded fine gravel, trace clay.
							11'-13': Moist, brown, loose, SILT, little fine sand.
				5'			13'-14.5': Dry, brown, dense, SILT, trace clay.
							14.5'-15': Moist, brown, soft, SILT, little clay.
15							15'-16': Moist, brown, loose, SILT, little fine angular GRAVEL, trace clay.
				5'			16'-18': Moist, brown, loose, SILT, some Shale frags, little med-fine sub-rounded gravel.
							18-20': Moist, grey, loose, SILT, some clay, little Shale frags - fissile.
20							

Remarks: Hand auger used for 0-2" interval to obtain sample volume

Boring Completion Depth ft bgs _____

CDM Smith

Boring Name: SB-06

Client: NYSDEC
Project Location: Walloomsac, NY

Project Name: Former Columbia Corp.
Project Number: 249300

Drilling Contractor: Aztech
Drilling Method: DPT
Sample Method: Macrocore
Drilling Date: 01/11/21
North:
East:

Surface Elevation (ft amsl):
Total Depth: 8.4
Depth to Initial Water Level (ft bgs): N/A
Field Screening Instrument: PID
Logged by: M. Renko

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
			0-2"				0-2": Moist, brown, loose, ORGANICS, some fine SAND and SILT
			2-12"	2.5	0.0		2-12": Moist, brown, loose, SILT, little med-fine sand, little med.-angular gravel (FILL)
					0.0		1-2.5': Moist, brown/tan, Ferrous staining, SILT, Some fine sand, quartz frags.
4							
				1.7	0.0		2.5-5': No Recovery
					0.0		5-6.7': Moist, brown, loose, SILT, some fine sand, little rounded gravel, trace quartz frags.
6							
			6.5-7.5		2.4		6.7-8.4': Dry, brown, stiff, SILT, some fine sand, little weathered shale, Oily sheen observed at ~ 6.7 ft to 7.5 ft
				1.7			
					0.0		
8.							
							Refusal encountered at 8.4' bgs

Remarks: * Location moved above fire hydrant water line ~ 10 ft towards Junk yard.
* Oily sheen in soil @ ~6.7' — Sample Collected

Boring Completion Depth ft bgs 8.4

CDM Smith

Boring Name: SB-07

Client: NYSDEC
Project Location: Walloomsac, NY

Project Name: Former Columbia Corp.
Project Number: 249300

Drilling Contractor: Aztech
Drilling Method: DPT
Sample Method: Macrocore
Drilling Date: 01/06/21
North:
East:

Surface Elevation (ft amsl):
Total Depth: 18.3' bgs.
Depth to Initial Water Level (ft bgs): 11' bgs
Field Screening Instrument: PID
Logged by: MRenko

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
	0-2"						0-2": Moist, dark brown, loose, ORGANICS
	2-12"						2"-1.5': Moist, dark brown, loose, SILT, some med-fine sand, brick frags.
				1.5'	0		1.5'-5': No Recovery
5							5-7': Moist, black, loose, med.-fine SAND, little fine angular gravel
							7-7.5: Brick Fragments
				3'	0		7.5-8: Moist, tan, loose, SILT, little fine sand, little sub-rounded to rounded gravel (TILL)
							8-10': No Recovery
10							10-11': SAME AS 7.5-8' bgs
	11'-13'					▽	11-13': Saturated, tan, loose, med-fine SAND, some med.-coarse angular gravel
				3.5'	0		13-13.5': Moist, grey, soft, SILT, trace Clay
							13.5-15': No Recovery
15							15-18.3': Saturated, brown, loose, SILTY SAND, little coarse sub-angular to sub-rounded gravel.
				3.5'	0		
							Refusal encountered at 18.3' bgs.
20							

Remarks:

Boring Completion Depth ft bgs 18.3'

Appendix D

Well Survey

CDM Smith

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MAP NOTES

1. Location information shown hereon was compiled from an actual field survey conducted on February 11-12, 2021.
2. North orientation and bearing base per State Plane Coordinates.
3. The location of underground improvements or encroachments, if any exist, or as shown hereon, are not certified. There may be other underground utilities, the existence of which are unknown. Size and location of all underground utilities must be verified by the appropriate authorities. The Underground Facilities Protective Organization must be notified prior to conducting test borings, excavation and construction.
4. Horizontal coordinates relative to the New York State plane coordinate system, East zone. Based on the North American Datum of 1983.
5. Elevations relative to the North American Vertical Datum of 1988.
6. Horizontal coordinate and elevation units are U.S. survey feet.
7. Reproduction or copying of this document may be a violation of copyright law unless permission of the author and / or copyright holder is obtained.
8. A copy of this document without a proper application of the surveyor's embossed seal should be assumed to be an unauthorized copy.

Raw Description	Northing	Easting	Point Elevation
GROUND AT MW 05	1491681.4592'	806814.8665'	476.341'
MW 05 STEEL CASING RIM	1491681.3226'	806815.0388'	478.850'
MW 05 PVC RIM	1491681.3033'	806815.0925'	478.638'
MW 07 STEEL CASING RIM	1492810.3734'	807982.7472'	473.757'
MW 07 PVC RIM	1492810.5778'	807982.8006'	473.580'
GND AT MW 07	1492810.2938'	807982.7016'	471.003'
GND AT PZ1	1492777.6496'	808255.5438'	461.629'
PZ1 RIM STEEL CASING	1492777.7847'	808255.8521'	464.671'
PZ1 RIM PVC	1492777.8041'	808255.6603'	464.758'
GND AT PZ2	1492767.8650'	808228.2045'	461.777'
PZ2 RIM STEEL CASING	1492768.0639'	808227.9041'	463.231'
PZ2 RIM PVC	1492768.0531'	808227.8499'	463.194'
GND AT MW 04	1493110.7983'	808709.3725'	470.963'
MW 04 RIM STEEL CASING	1493111.1807'	808709.3992'	473.852'
MW 04 RIM PVC	1493111.1042'	808709.2463'	473.649'
MW 01 RIM STEEL CASING	1493131.0975'	808756.4612'	475.195'
GND AT MW 01	1493130.9832'	808755.7469'	472.215'
MW 01 RIM PVC	1493131.0448'	808756.2266'	474.275'
MW 03 RIM STEEL CASING	1493178.6791'	808919.9631'	495.682'
MW 03 RIM PVC	1493178.5388'	808919.7808'	495.372'
GND AT MW 03	1493178.8014'	808919.9623'	492.516'
GND AT MW 02	1492992.8582'	808835.5961'	468.285'
MW 02 RIM PVC	1492993.3445'	808835.3396'	469.228'
MW 02 RIM STEEL CASING	1492993.1213'	808835.5910'	470.763'
BM 60D 24 COTTONWOOD	1493155.4003'	808719.3815'	474.852'

"ONLY BOUNDARY SURVEY MAPS WITH THE SURVEYOR'S EMBOSSED SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE SURVEYOR'S ORIGINAL WORK AND OPINION."

MICHAEL E. MONTENA
050670

STATE OF NEW YORK · MICHAEL E. MONTENA · 050670 · LICENSED LAND SURVEYOR

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTER

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Darrah Land Surveying, PLLC

APPROVED: MEM
DRAFTED: GCB
CHECKED: MEM
PROJ. NO: 21012
SCALE : 1"=100'
DATE : 04/22/2021

Map of a Monitoring Well Survey

Prepared for CDM Smith for

Former Columbia Corp. Site Characterization, NYSDEC Site No. 442005

TOWN OF HOOSICK — RENSSELAER COUNTY, NEW YORK

Darrah Land Surveying, PLLC
59 Lake Avenue, Lake Luzerne, New York 12846
Voice: (518) 798-4692
or (518) 654-9416

21012-1

SHEET: 1 OF 1

PROJ NO: 21012

Appendix E

Well Construction Summaries

CDM Smith

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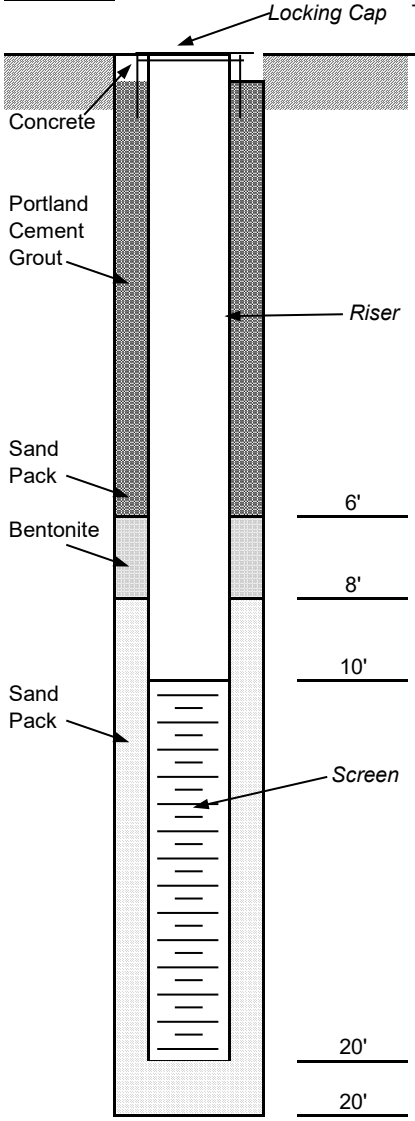
WELL CONSTRUCTION SUMMARY

Project: Former Columbia Corp. Location: Wallonmsac, NY Well No.: **MW-03**

Permit No.:

TOC elev.: 495.37



Type: Stick-up

DRILLING SUMMARY

Drilling Company: Aztech Drillers: R. Hammond

Drill Rig/Model: 7822 DT

Borehole Diameters: 6 inch Drilling Fluid: None

Bits/Depths: 4-5 ft

Total Depth: 20 ft Depth To Water:

Supervisor Geologist: M. Renko

WELL DESIGN

Casing Material:	PVC	Diameter:	2 inch
Screen Material:	10 ft	Diameter:	2 inch
Slot Size:	10-slot	Setting:	2 inch
Filter Material:	#1 sand	Setting:	
Seals Material:	Bentonite	Setting:	
Grout:	Portland	Setting:	
Surface Casing Material:	Steel	Setting:	

TIME LOG

	Started	Completed
Drilling:	01/08/21	01/11/21
Installation:	01/11/21	01/11/21
Development:		

WELL DEVELOPMENT

Method: Surge Block and Purging

Static Depth to Water:

Pumping Depth To Water:

Pumping Rate: Spec. Capacity:

Volume Pumped:

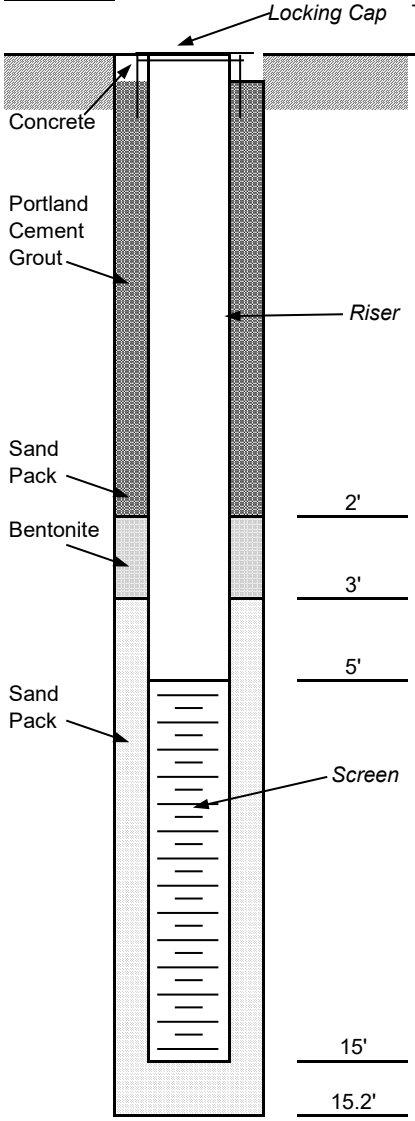
WELL CONSTRUCTION SUMMARY

Project: Former Columbia Corp. Location: Wallonmsac, NY Well No.: **MW-04**

Permit No.:

TOC elev.: 473.65

Type: Stick-up



DRILLING SUMMARY

Drilling Company: Aztech Drillers: R. Hammond

Drill Rig/Model: 7822 DT

Borehole Diameters: 6 inch Drilling Fluid: None

Bits/Depths: 3-5 ft

Total Depth: 15 ft Depth To Water:

Supervisor Geologist: M. Renko

WELL DESIGN

Casing Material:	PVC	Diameter:	2 inch
Screen Material:	10 ft	Diameter:	2 inch
Slot Size:	10-slot	Setting:	2 inch
Filter Material:	#1 sand	Setting:	
Seals Material:	Bentonite	Setting:	
Grout:	Portland	Setting:	
Surface Casing Material:	Steel	Setting:	

TIME LOG

	Started	Completed
Drilling:	01/12/21	01/12/21
Installation:	01/12/21	01/12/21
Development:		

WELL DEVELOPMENT

Method: Surge Block and Purging

Static Depth to Water:

Pumping Depth To Water:

Pumping Rate: Spec. Capacity:

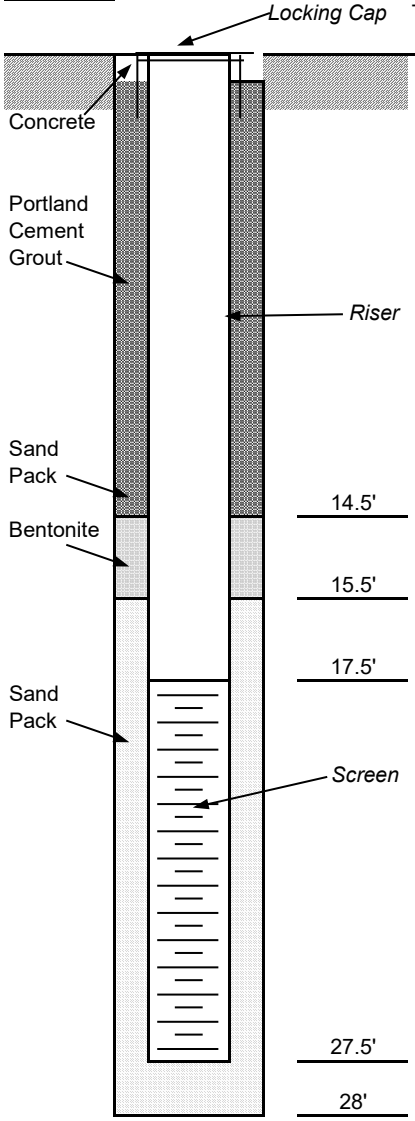
Volume Pumped:

WELL CONSTRUCTION SUMMARY

Project: Former Columbia Corp. Location: Wallonmsac, NY Well No.: **MW-05**

Permit No.:

TOC elev.: 478.64



Type: Stick-up

DRILLING SUMMARY

Drilling Company: Aztech Drillers: R. Drummond

Drill Rig/Model: 7822 DT

Borehole Diameters: 6 inch Drilling Fluid: None

Bits/Depths: 6-5 ft

Total Depth: 28 ft Depth To Water:

Supervisor Geologist: M. Renko

WELL DESIGN

Casing Material:	PVC Sch. 40	Diameter:	2 inch
Screen Material:	10-slot ft	Diameter:	2 inch
Slot Size:	10-slot	Setting:	
Filter Material:	#1 sand	Setting:	
Seals Material:	Bentonite	Setting:	
Grout:	Benseal	Setting:	
Surface Casing Material:	Steel	Setting:	

TIME LOG

	Started	Completed
Drilling:	01/05/21	01/05/21
Installation:	01/05/21	01/05/21
Development:		

WELL DEVELOPMENT

Method: Surge Block and Purging

Static Depth to Water:

Pumping Depth To Water:

Pumping Rate: Spec. Capacity:

Volume Pumped: 40-gal

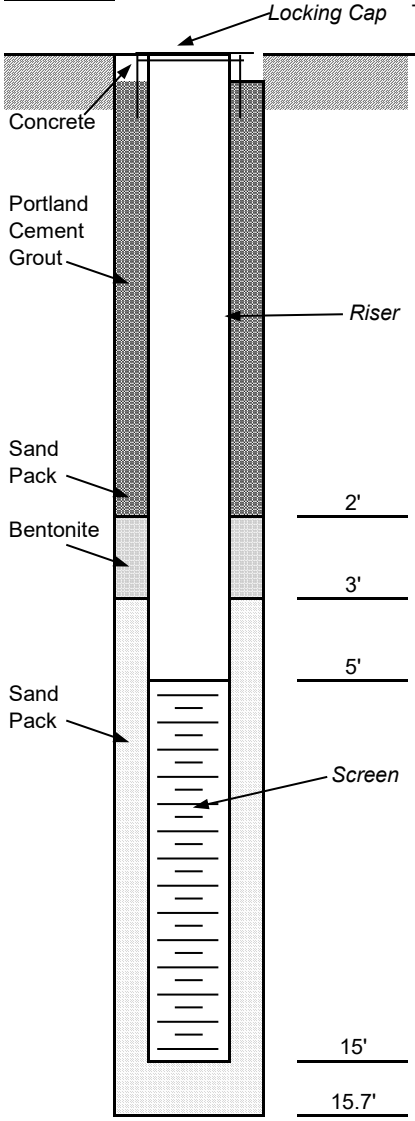
WELL CONSTRUCTION SUMMARY

Project: Former Columbia Corp. Location: Wallonmsac, NY Well No.: **MW-07**

Permit No.:

TOC elev.: 473.58

Type: Stick-up



DRILLING SUMMARY

Drilling Company: Aztech Drillers: R. Drummond

Drill Rig/Model: 7822 DT

Borehole Diameters: 6 inch Drilling Fluid: None

Bits/Depths: 3.5-5 ft

Total Depth: 15.7 ft Depth To Water:

Supervisor Geologist: M. Renko

WELL DESIGN

Casing Material:	PVC Sch. 40	Diameter:	2 inch
Screen Material:	10 ft	Diameter:	2 inch
Slot Size:	10-slot	Setting:	
Filter Material:	#1 sand	Setting:	
Seals Material:	Bentonite	Setting:	
Grout:	Portland/Benseal	Setting:	
Surface Casing Material:	Steel	Setting:	

TIME LOG

	Started	Completed
Drilling:	01/06/21	01/06/21
Installation:	01/06/21	01/06/21
Development:		

WELL DEVELOPMENT

Method: Surge Block and Purging

Static Depth to Water:

Pumping Depth To Water:

Pumping Rate: Spec. Capacity:

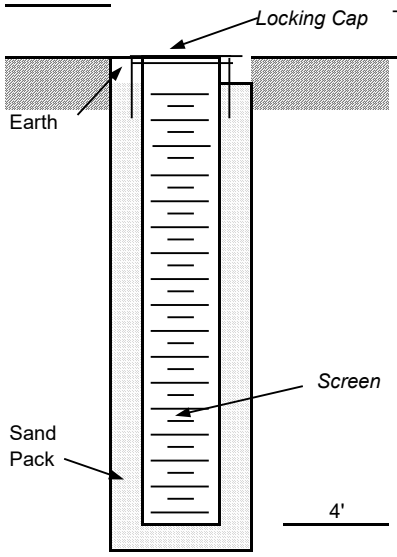
Volume Pumped:

WELL CONSTRUCTION SUMMARY

Project: Former Columbia Corp. Location: Wallonmsac, NY Well No.: **PZ-01**

Permit No.:

TOC elev.: 464.76



Type: Stick-up

DRILLING SUMMARY

Drilling Company: CDM Smith Drillers: M. Renko/S.Marciano

Drill Rig/Model: N/A Hand Auger

Borehole Diameters: 3-inch Drilling Fluid: None

Bits/Depths: 4 ft

Total Depth: 4 ft Depth To Water:

Supervisor Geologist: M. Renko

WELL DESIGN

Casing Material:	PVC Sch. 40	Diameter:	2 inch
Screen Material:	4 ft	Diameter:	2 inch
Slot Size:	10-slot	Setting:	
Filter Material:	#1 sand	Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:	Steel	Setting:	

TIME LOG

	Started	Completed
Drilling:	01/07/21	01/07/21
Installation:	01/07/21	01/07/21
Development:		

WELL DEVELOPMENT

Method:

Static Depth to Water:

Pumping Depth To Water:

Pumping Rate: Spec. Capacity:

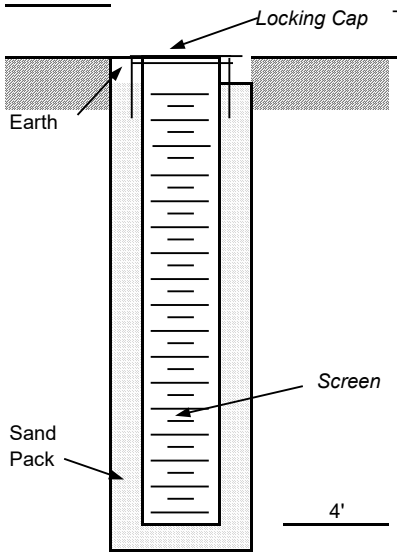
Volume Pumped:

WELL CONSTRUCTION SUMMARY

Project: Former Columbia Corp. Location: Wallonmsac, NY Well No.: **PZ-02**

Permit No.:

TOC elev.: 461.78



Type: Stick-up

DRILLING SUMMARY

Drilling Company: CDM Smith Drillers: M. Renko/S.Marciano

Drill Rig/Model: N/A Hand Auger

Borehole Diameters: 3-inch Drilling Fluid: None

Bits/Depths: 5 ft

Total Depth: 5 ft Depth To Water:

Supervisor Geologist: M. Renko

WELL DESIGN

Casing Material:	PVC Sch. 40	Diameter:	2 inch
Screen Material:	5 ft	Diameter:	2 inch
Slot Size:	10-slot	Setting:	
Filter Material:	#1 sand	Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:	Steel	Setting:	

TIME LOG

	Started	Completed
Drilling:	01/07/21	01/07/21
Installation:	01/07/21	01/07/21
Development:		

WELL DEVELOPMENT

Method:

Static Depth to Water:

Pumping Depth To Water:

Pumping Rate: Spec. Capacity:

Volume Pumped:

Appendix F

Low Flow Logs

CDM Smith

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LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/27/21

WELL #: MW-01

SAMPLERS: SM / LE

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: overcast, 75°F

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

CLP ID:

SAMPLE TIME:

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model: Complete and/or Circle at right

YSI Model #_____ / Horiba U-22 (circle one)

Other (specify)_____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
				(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	(± 10 mV)	(± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm°/ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1330		12.20			6.95	631	2.10	7.1	82.4	1459.71
1335					6.79	633	1.69	7.1	89.4	892.61
1340					6.76	634	1.64	6.8	96.4	570.16
1345					6.74	634	1.60	6.6	99.2	371.64
1350					6.74	636	1.56	6.5	96.1	241.50
1355					6.73	635	1.53	6.4	99.7	85.85
1400					6.73	636	1.54	6.3	105.1	62.45
1405					6.73	635	1.51	6.3	106.4	62.16
1410					6.73	635	1.53	6.1	108.6	28.42

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L
Redox Potential = -100 - +600 mV
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm
Turbidity = 0 - >500 NTUs

TIC = Top of Inner Casing

BGS = Below Ground Surface

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/27/21

WELL #: MW-01

SAMPLERS: Overcast, 25°F

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: SM/LE

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME:

SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: YSI Model #_____ / Horiba U-22 (circle one)

Complete and/or Circle at right Other (specify)_____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm/ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1415		Battery		Dies.		Switch	to Vehicle		outlet	
1425					6.72	635	1.56	5.5	46.5	579.82
1430					6.72	635	1.50	5.8	82.0	379.19
1435					6.72	634	1.48	6.0	86.5	170.48
1440					6.73	635	1.47	6.0	93.1	58.22
1445					6.73	635	1.43	6.2	101.0	32.00
1450					6.73	634	1.43	6.4	105.4	22.58
1455					6.72	635	1.40	6.6	111.5	16.76
1500					6.72	637	1.40	6.5	115.8	17.00

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: **WELL #:**

SAMPLERS: **DEPTH OF PUMP INTAKE:** ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: **SCREENED/OPEN BOREHOLE INTERVAL:** ft TIC or ft BGS (circle one)

SAMPLE ID: **SAMPLE TIME:** **SAMPLE FLOW RATE:** ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____ / Horiba U-22 (circle one) Other (specify)_____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm, or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1425		13.07			7.22	0.795	~~11.7~~	7.9	-89.1	867.20
1430					7.21	0.788	1.44 ~~12.1~~	7.7	-86.9	548.79
1435					7.19	0.755	0.86	7.7	-85.2	203.50
1440					7.19	0.765	0.86	7.9	-81.7	25.48
1445										
1450					7.19	0.733	0.52	8.0	-71.3	62.01
					7.20	0.726	0.53	7.9	-68.7	55.53

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/27/21

SAMPLERS: SM/LE

WEATHER CONDITIONS:

SAMPLE ID:

CLP ID:

WELL #: MW-03

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE TIME: 1135 SAMPLE FLOW RATE: ml/minute

OVP 1440

Instrument Type/Model: Complete and/or Circle at right

YSI Model #_____ / Horiba U-22 (circle one)

Other (specify)_____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm*/ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1120					6.34	938	1.10	9.4	-67.8	30.86
1125					6.34	938	1.09	9.4	-66.5	35.52

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/17/21

WELL #: MW-03

SAMPLERS: SM/LE

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS:

SCREENED/OPEN BOREHOLE INTERVAL: 20' - 10' ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME:

SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right

YSI Model #_____ / Horiba U-22 (circle one)

Other (specify)_____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1035		14.83			6.39	936	1.04	10.4	-85.1	2033.31
1040					6.37	940	1.06	10.3	-85.7	1811.92
1045					6.37	936	1.17	9.4	-81.6	917.60
1050					6.36	936	1.17	9.3	-79.5	601.49
1055					6.36	935	1.15	9.3	-78.8	388.40
1100					6.36	934	1.13	9.4	-76.3	160.49
1105					6.36	936	1.13	9.4	-75.9	130.21
1110					6.34	936	1.11	9.5	-71.6	46.90
1115					6.34	934	1.11	9.5	-70.3	73.13

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The [illegible] considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

[illegible]nner Casing BGS = Below Ground Surface

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DTW: 11.71

DATE: 1/27/21

SAMPLERS: LE

WELL #: MW-04

17.6

DEPTH OF PUMP INTAKE: ~12

ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: 20°, light snow

SCREENED/OPEN BOREHOLE INTERVAL:

ft TIC or ft BGS (circle one)

SAMPLE ID: 442005-EB-012721

CLP ID:

SAMPLE TIME: 1320

SAMPLE FLOW RATE: 250 ml/minute

Instrument Type/Model: Complete and/or Circle at right

YSI Model # ProDSS / Horiba U-22 (circle one)

Other (specify)

Instrument: ProDSS

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
				(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	(± 10 mV)	(± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm/ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1240		11.71			8.23	0.470	2.90	6.1	86.8	120.23
1245					7.31	0.458	1.50	6.1	84.5	85.29
1250					6.91	0.452	1.07	6.2	78.9	51.06
1255					6.77	0.447	0.92	6.3	72.3	37.42
1300					6.70	0.442	0.79	6.3	67.6	31.46
1305					6.67	0.440	0.45	6.3	66.9	32.66
1310					6.64	0.441	0.42	6.4	68.0	82.05
1315					6.63	0.440	0.42	6.3	66.5	31.74
1320		12.01			SAMPLE COLLECTED					

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/27/21

SAMPLERS: LE

WEATHER CONDITIONS: 20s, light snow

SAMPLE ID: 442005-MW-02-012721 SAMPLE TIME: 1415

CLP ID:

WELL #: MW-02

DTW: 7.69 ft TIC

DTB: 14.88 ft

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 250 ml/minute

Instrument Type/Model: Complete and/or Circle at right

YSI Model # Pro DSS / Horiba U-22 (circle one)

Other (specify)

Instrument: Pro DSS

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1410		~~7.69~~ 7.7			7.64	0.315	0.98	8.1	52.8	16.67
1415		↓			7.38	0.315	0.65	8.1	36.2	13.22
1420					7.28	0.318	0.56	7.9	8.0	17.79
1425					7.13	0.329	0.52	7.9	-4.8	17.39
1430					7.09	0.328	0.49	7.9	-15.3	17.00
1435					7.01	0.329	0.46	7.8	-19.7	17.89
1440		7.7			6.98	0.329	0.45	7.7	-20.2	17.32
1445				SAMPLE COLLECTED						

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

DTB: 7.30 ft TC

DTW- 5.55 ft TIC

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/26/21 - 1/27/21

WELL #: PZ-01

SAMPLERS: LE

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: 20s°

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME: 1245 SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right

YSI Model # DSS PRO Horiba U-22 (circle one)

Other (specify)_____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
READINGS NOT ABLE TO BE COLLECTED										
WELL RAN DRY + 3 TIMES										
SAMPLE COLLECTED OVER 2 DAYS										
PURGED @ ~5ml/min						∅ sheen on purge water - looked petro.				

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DTW-16.27 ft TIC

DATE: 1/26/2021

SAMPLERS: LE.

WEATHER CONDITIONS: 20's

WELL #: MW-05

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID: 442005-MW-05-012620 SAMPLE TIME: 0940 SAMPLE FLOW RATE: 250 ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right — YSI Model # DSS Pro / Horiba U-22 (circle one) — Other (specify)_____ — Instrument: DSS Pro

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm°/ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0905		16.30			7.90	1300	2.91	9.3	-268.0	120.21
0910		↓			7.6	1296	1.37	9.6	-265.2	65.02
0915					7.09	1292	1.82	9.6	-263.0	29.72
0920					7.01	1288	1.21	9.5	-249.3	23.90
0925					6.99	1288	1.10	9.5	-247.7	22.31
0930		↓			6.99	1288	1.06	9.6	-249.7	21.04
0935		16.60			6.99	1286	1.05	9.6	-249.7	20.03
0940	SAMPLE COLLECTED									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/26/21

WELL #: PZ-02

SAMPLERS: SM/LE

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: overcast, 25°F

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME:

SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: YSI Model #_____ / Horiba U-22 (circle one)

Complete and/or Circle at right Other (specify)_____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1215		4.20			6.10	2.080	1.53	4.4	-28.2	792.40
1220					6.90	2.161	0.67	4.9	-63.3	1425.77
1225					6.62	2.175	0.65	5.2	-98.9	508.25
1230					6.54	2.058	0.59	5.2	-115.1	108.94
1235					6.53	1.996	0.57	5.3	-117.2	48.10
1240					6.53	1.903	0.52	5.3	-118.5	11.83
1245					6.53	1.852	0.49	5.3	-118.1	12.03
1250					6.53	1.793	0.46	5.4	-117.9	8.00
1255					6.54	1.733	0.43	5.5	-117.1	14.00

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

SCANNER ODYSSEY APPS

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/27/21

WELL #: MW-01

SAMPLERS: SM / LE

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: overcast, 25°F

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

CLP ID:

SAMPLE TIME:

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model: Complete and/or Circle at right

YSI Model #_____ / Horiba U-22 (circle one)

Other (specify)_____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1330		12.20			6.95	631	2.10	7.1	82.4	1459.71
1335					6.79	633	1.69	7.1	89.4	892.61
1340					6.76	634	1.64	6.8	96.4	570.16
1345					6.74	634	1.60	6.6	99.2	371.64
1350					6.74	636	1.56	6.5	96.1	241.50
1355					6.73	635	1.53	6.4	99.7	85.85
1400					6.73	636	1.54	6.3	105.1	62.45
1405					6.73	635	1.51	6.3	106.8	62.16
1410					6.73	635	1.53	6.1	108.6	28.42

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

SCANNER ODYSSEY APPS

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/27/21

WELL #: MW-01

SAMPLERS: overcast, 25°F

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: SM/LE

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

CLP ID:

SAMPLE TIME:

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model: YSI Model #_____ / Horiba U-22 (circle one)

Complete and/or Circle at right Other (specify)_____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1415		Battery		Dies.		Switch	to vehicle		outlet	
1425					6.72	635	1.56	5.5	86.5	579.82
1430					6.72	635	1.50	5.8	82.0	379.19
1435					6.72	634	1.48	6.0	86.5	170.48
1440					6.73	635	1.47	6.0	93.1	58.22
1445					6.73	635	1.43	6.2	101.0	32.00
1450					6.73	634	1.43	6.4	105.4	22.58
1455					6.72	635	1.40	6.6	111.5	16.76
1500					6.72	637	1.40	6.5	115.8	17.00

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

SCANNER ODYSSEY APPS

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/27/21

WELL #: MW-03

SAMPLERS: SM/LE

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS:

SCREENED/OPEN BOREHOLE INTERVAL: 20' - 10' ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME:

SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: YSI Model #_____ / Horiba U-22 (circle one)

Complete and/or Circle at right Other (specify)_____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1035		14.83			6.39	936	1.04	10.4	-85.1	2033.31
1040					6.37	940	1.06	10.3	-85.7	1811.92
1045					6.37	936	1.17	9.4	-81.6	917.60
1050					6.36	936	1.17	9.3	-79.5	601.49
1055					6.36	935	1.15	9.3	-78.8	388.40
1100					6.36	934	1.13	9.4	-76.3	160.49
1105					6.36	936	1.13	9.4	-75.9	130.21
1110					6.34	936	1.11	9.5	-71.6	46.90
1115					6.34	934	1.11	9.5	-70.3	73.13

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

SCANNER ODYSSEY APPS

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/27/21

WELL #: MW-03

SAMPLERS: SM/LE

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS:

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

CLP ID:

SAMPLE TIME: 1135 DUP 1140

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model: YSI Model #_____/ Horiba U-22 (circle one)

Complete and/or Circle at right Other (specify)_____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm°/ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1120					6.34	938	1.10	9.4	-67.8	30.86
1125					6.34	938	1.09	9.4	-66.5	35.52

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

SCANNER ODYSSEY APPS

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/26/21

WELL #: MW-07

SAMPLERS:

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS:

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:
CLP ID:

SAMPLE TIME:

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model: YSI Model #_____ / Horiba U-22 (circle one)
Complete and/or Circle at right Other (specify)_____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1425		13.07			7.22	0.795	~~11.7~~	7.9	-89.1	867.20
1430					7.21	0.788	~~12.1~~ 1.44	7.7	-86.9	548.79
1435					7.19	0.755	0.86	7.7	-85.2	203.50
1440					7.19	0.765	0.86	7.9	-81.7	25.48
1445										
1450					7.19	0.733	0.52	8.0	-71.3	62.01
					7.20	0.726	0.53	7.9	-68.7	53.53

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

SCANNER ODYSSEY APPS

Appendix G

Laboratory Reports

CDM Smith

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Appendix H

Data Usability Summary Reports

CDM Smith

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Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Columbia Corp. #442005
Eurofins SDG#480-179927-1
March 16, 2021
Revised; March 17, 2021
Sampling date: 1/5/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (revised; March 17, 2021) for CDM Smith, project located at Columbia Corp. #442005, Eurofins SDG#480-179927-1 submitted to Vali-Data of WNY, LLC on March 1, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(1/2020) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D, 8270D SIM-ID), Perfluorinated Hydrocarbons (537 modified), PCB (8082A), Pesticide (8081B), Inorganics (6010C), Mercury (7470A, 7471B) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD.

Soil samples were method 5035L non-compliant, so any detects in the soil samples below 200ug/kg should be qualified as estimated low.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of 1,2-Dichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 2-Butanone, Acetone, Chloroethane, Chloroform, cis-1,2-Dichloroethene, 1,2-Dibromoethane, Styrene, trans-1,2-Dichloroethene and 4-Methyl-2-pentanone was outside QC limits, low in 442005-SB-05-2-12-010521MS/MSD and should be qualified as estimated. These target analytes should be qualified as estimated in 442005-SB-05-2-12-010521.
Several target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Isophorone was outside QC limits in LCS 480-565469/2-A but was within limits in LCSD 480-565469/3-A, so no further action is required.

MS/MSD
All criteria were met except the %Rec of 2,4-Dinitrotoluene was outside QC limits, high in 442005-SB-05-2-12-010521MS/MSD and should be qualified as estimated. This target analyte should be qualified as estimated in 442005-SB-05-2-12-010521, if detected.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of N-nitroso-di-n-propylamine, 4-Methylphenol, Acetophenone and Isophorone was outside QC limits in CCVIS 480-565556/3. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except 4,4'-DDT was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-565648/1-A. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected

below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of Endrin aldehyde was outside QC limits between the columns in LCS 480-565648/2-A and should be qualified as estimated. The RPD of Methoxychlor was outside QC limits between the columns in LCS 480-565785/2-A and should be qualified as estimated.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met except 4,4'-DDT was detected above the MDL, below the reporting limit and is qualified as estimated in EB-01-010521. This target analyte was detected in the associated blank, thus qualifying as undetected, so no further action is required.
The RPD of delta-BHC was outside QC limits between the columns in 442005-SB-05-0-2-010521 and should be qualified as estimated. The RPD of 4,4'-DDT was outside QC limits between the columns in EB-01-010521 and 442005-SB-05-2-12-010521 and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Methoxychlor was outside QC limits in CCVIS 480-565771/5 off column RTX-CLPII. The %D of Toxaphene peak 5 was outside QC limits in CCV 480-565771/7 off column RTX-CLPII. The %D of 4,4'-DDE and Methoxychlor was outside QC limits in CCVIS 480-565921/6 off column RTX-CLPII. The %D of Toxaphene peaks 4, 5 was outside QC limits in CCV 480-565921/8 off column RTX-CLPII. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX off column ZB-5 and DCBP off column ZB-35 was outside QC limits, high in MB 480-565647/1-A, LCS 480-565647/2-A and 442005-SB-05-2-12-010521MS and should be qualified as estimated. The %Rec of all of the surrogates was outside QC limits, high in 442005-SB-05-2-12-010521MSD and should be qualified as estimated. Target analytes in these samples should be qualified as estimated high, if detected off the associated column.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of Aroclor 1016 was outside QC limits between the columns in LCS 480-565647/2-A and should be qualified as estimated.

MS/MSD
All criteria were met except the %Rec and RPD of Aroclor 1016 and Aroclor 1260 was outside QC limits in 442005-SB-05-2-12-010521MS and 442005-SB-05-2-12-010521MSD and should be qualified as estimated. These target analytes should be qualified as estimated in 442005-SB-05-2-12-010521.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except the %D of several target analytes was outside QC limits in the continuing calibrations off column ZB-5. Column, ZB-35 was used as the primary column, so no further action is required.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD

- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Blanks, MS/MSD, Compound Quantitation and Continuing Calibration.

Samples, 442005-SB-05-0-2-010521, 442005-SB-05-2-12-010521 and 442005-SB-05-2-12-010521MS/MSD were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE RECOVERIES
All criteria were met except the %Rec of d3NMeFOSAA was outside QC limits in 442005-SB-05-0-2-010521 and should be qualified as estimated. The %Rec of 13C2PFDoA and d5NEtFOSAA was outside QC limits in LB 320-450192/1-B and should be qualified as estimated. The %Rec of d5NEtFOSAA was outside QC limits in 442005-SB-05-0-2-010521 and 442005-SB-05-2-12-010521MSD and should be qualified as estimated. The associated target analytes in these samples, blank and spikes should be qualified as estimated.

BLANKS
All the criteria were met except PFHxS was detected above the MDL, below the reporting limit and is qualified as estimated in all ICBs and all CCBs. PFBA and PFOS were detected above the MDL, below the reporting limit and are qualified as estimate in MB 320-450683/1-A.

These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit but below 10x the blank concentration.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of PFTriA was outside QC limits in LCS 320-449809/2-A but within limits in LCSD 320-449809/3-A, so no further action is required.

MS/MSD
All criteria were met except the %Rec of PFOA, PFHpS and PFOS was outside QC limits in 442005-SB-05-2-12-010521MS/MSD. These target analytes should be qualified as estimated in 442005-SB-05-2-12-010521.
Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION
All the criteria were met except the 6:2 FTS was detected above the MDL, below the reporting limit and is qualified as estimated in EB-01-010521. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit but below 10x the blank concentration.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on some of the target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of PFNA was outside QC limits in CCV 320-451422/13 and CCV 320-451663/8. The %D of 6:2 FTS was outside QC limits in CCV 320-452080/2. The %D of PFDoA was outside QC limits in CCV 320-451663/1. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, MS/MSD, Compound Quantitation and Calibration.

Due to interference check stand solution impurities of Ba, results for Ba in the samples, blanks and spikes should be qualified as estimated high, if detected.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Na was detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-565977/18, 32. Mn was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-565475/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they

were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met except the %Rec of Ba, K and V was outside QC limits, high in 442005-SB-05-2-12-010521MS/MSD and should be qualified as estimated. These target analytes should be qualified as estimated high in 442005-SB-05-2-12-010521, if detected.
The %Rec of Sb was outside QC limits, low in 442005-SB-05-2-12-010521MS/MSD and should be qualified as estimated. This target analyte should be qualified as estimated in 442005-SB-05-2-12-010521.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met except Mn was detected above the MDL, below the reporting limit and is qualified as estimated in EB-01-010521. This target analyte was detected in the associated blank, thus would be qualified as undetected, so no further action is required.
Na was detected above the reporting limit in EB-01-010521. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as undetected in associated samples in which it was detected above the reporting limit but below the blank concentration. This target analyte should be qualified as estimated high in associated samples in which it was detected above the blank concentration.

CALIBRATION
All criteria were met except the %Rec of Cd, Co, Cu, Pb, Ag and V was outside QC limits, low in ICVL 480-565977/7. The %Rec of Ba, Cd, Cr, Co, Cu, Ni and Ag was outside QC limits, low in CCVL 480-565977/19. The %Rec of Al, Ba, Be, Cd, Co and Pb was outside QC limits, low in CCVL 480-565977/28. The %Rec of Al, Ba, Be, Cd, Co, Se and Ag was outside QC limits, low in CCVL 480-565977/33. The %Rec of Co, Mn and K was outside QC limits, low in ICVL 480-566128/7. The %Rec of Sb, Co, Cu, Pb, Mn, K and Ag was outside QC limits, low in CCVL 480-566128/19. The %Rec of Co, Cr, K and V was outside QC limits, low in CCVL 480-566128/27. The %Rec of Co and Cr was outside QC limits, low in CCVL 480-566128/39. The %Rec of Sb, Co, Mn and K was outside QC limits, low in CCVL 480-566128/51. The %Rec of K was outside QC limits, low in ICVL 480-566135/7, CCVL 480-566135/19, 28, ICVL 480-566242/7 and CCVL 480-566242/18, 23. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

The %Rec of Na was outside QC limits, high in CCVL 480-565977/19, 28. The %Rec of Al was outside QC limits, high in CCVL 480-566128/27. The %Rec of Al and Fe was outside QC limits, high in CCVL 480-566128/39. These target analytes should be qualified as estimated high in the associated blanks, samples and spikes in which they were detected.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- TOC
- pH/Temperature

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met except the RPD of Cyanide was outside QC limits, between 442005-SB-05-2-12-010521MS and 442005-SB-05-2-12-010521MSD and should be qualified as estimated. This target analyte should be qualified as estimated in 442005-SB-05-2-12-010521.

TOC
All criteria were met.

pH/TEMPERATURE
All criteria were met except pH and temperature were analyzed outside of hold time and should be qualified as estimated.

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Columbia Corp. #442005
Eurofins SDG#480-180022-1
March 17, 2021
Revised; March 18, 2021
Sampling date: 1/6/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(revised; March 18, 2021) for CDM Smith, project located at Columbia Corp. #442005, Eurofins SDG#480-180022-1 submitted to Vali-Data of WNY, LLC on March 1, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(1/2020) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D, 8270D SIM-ID), Perfluorinated Hydrocarbons (537 modified), PCB (8082A), Pesticide (8081B), Inorganics (6010C), Mercury (7470A, 7471B) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples.

Soil samples were method 5035L non-compliant, so any detects in the soil samples below 200ug/kg should be qualified as estimated low.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of 2-Hexanone was outside QC limits, high in LCS 480-565632/1-A and should be qualified as estimated. This target analyte should be qualified as estimated high in the associated samples in which it was detected.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met except Di-n-butyl phthalate was detected above the MDL, below the reporting limit and is qualified as estimated in EB-02-010621. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples

- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP off column RTX-CLPII was outside QC limits, high in 442005-SB-07-0-2-010621 and 442005-SB-07-2-12-010621 and should be qualified as estimated. Column, RTX-CLPI was the primary column, so no further action is required.

METHOD BLANK
All the criteria were met except 4,4'-DDT was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-565648/1-A. Delta-BHC was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-565784/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of Endrin aldehyde was outside QC limits between the columns in LCS 480-565648/2-A and should be qualified as estimated.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met except the RPD of delta-BHC was outside QC limits between the columns in 442005-SB-07-0-2-010621 and should be qualified as estimated. The RPD of alpha-BHC and gamma-BHC was outside QC limits between the columns in 442005-SB-07-2-12-010621 and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Methoxychlor was outside QC limits in CCVIS 480-565771/5 and CCVIS 480-565917/5 off column RTX-CLPII. The %D of Toxaphene peak 5 was outside QC limits in CCV 480-565771/7 and CCV 480-565917/7 off column RTX-CLPII. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX off column ZB-5 was outside QC limits, high in 442005-SB-07-0-2-010621MS/MSD and should be qualified as estimated. The %Rec of TCMX off both columns and DCBP off column ZB-35 was outside QC limits, high in MB 480-565855/1-A and LCS 480-565855/2-A and should be qualified as estimated. Target analytes in these samples should be qualified as estimated high, if detected, off the associated column.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Aroclor 1016 and Aroclor 1260 was outside QC limits, high in LCS 480-565855/2-A and should be qualified as estimated. These target analytes should be qualified as estimated high in the associated samples in which they were detected.
The RPD of Aroclor 1016 was outside QC limits between the columns in LCS 480-565855/2-A and should be qualified as estimated.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1221 peak 1 was outside QC limits off column ZB-35 in CCV 480-565980/4. The %D of Aroclor 1242 peak 1 was outside QC limits off column ZB-35 in CCV 480-565980/6. The %D of Aroclor 1248 peaks 1 and 2 was outside QC limits off column ZB-35 in CCV 480-565980/7. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.
The %D of several target analytes was outside QC limits in the continuing calibrations off column ZB-5. Column, ZB-35 was used as the primary column, so no further action is required. Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Blanks and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE RECOVERIES
All criteria were met except the %Rec of M2-6:2FTS was outside QC limits in 442005-SB-07-0-2-010621 and 442005-SB-07-2-12-010621 and should be qualified as estimated. The %Rec of 13C2PFDoA and d5NEtFOSAA was outside QC limits in LB 320-450192/1-B and should be qualified as estimated. The %Rec of M2-8:2FTS was outside QC limits in 442005-SB-07-0-2-010621, 442005-SB-07-2-12-010621, 442005-SB-07-11-13 and 442005-SB-07-2-12-010621(SPLP) and should be qualified as estimated. The associated target analytes in these samples, blank and spikes should be qualified as estimated.

BLANKS
All the criteria were met except PFHxS was detected above the MDL, below the reporting limit and is qualified as estimated in all ICBs and all CCBs. PFBA and PFOS were detected above the MDL, below the reporting limit and are qualified as estimate in MB 320-450683/1-A.
These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit but below 10x the blank concentration.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All the criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on some of the target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of PFNA was outside QC limits in CCV 320-451422/13 and CCV 320-451663/8. The %D of PFDoA was outside QC limits in CCV 320-451663/1. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

Due to interference check stand solution impurities of Ba, results for Ba in the samples, blanks and spikes should be qualified as estimated high, if detected.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except K was detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-565973/18. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Cd, Co, Cu, Pb, K, Ag and V was outside QC limits, low in ICVL 480-565973/7. The %Rec of Ba, Be, Cd, Cr, Co, Cu, Pb, Se and Ag was outside QC limits, low in CCVL 480-565973/19. The %Rec of Ba, Be, Cd, Co, K, Se, Ag, Na and V was outside QC limits, low in CCVL 480-565973/31. The %Rec of Co, Mn and K was outside QC limits, low in ICVL 480-566128/7. The %Rec of Sb, Co, Cu, Pb, Mn, K and Ag was outside QC limits, low in CCVL 480-566128/19. The %Rec of Co, Cr, K and V was outside QC limits, low in CCVL 480-566128/27. The %Rec of Co and Cr was outside QC limits, low in CCVL 480-566128/39. The %Rec of Sb, Co, Mn and K was outside QC limits, low in CCVL 480-566128/51. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.
The %Rec of K was outside QC limits, high in CCVL 480-565973/19. The %Rec of Al was outside QC limits, high in CCVL 480-565973/31 and CCVL 480-566128/27. The %Rec of Al and Fe was outside QC limits, high in CCVL 480-566128/39. These target analytes should be qualified as estimated high in the associated blanks, samples and spikes in which they were detected.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- TOC
- pH/Temperature

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met except the %Rec of Cn was outside QC limits, high in CCV13 batch#566194. Cn should be qualified as estimated high in the associated samples, blanks and spikes in which it was detected.
Cn was detected above the MDL, below the reporting limit and is qualified as estimated in CCB14 batch#566194. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

TOC
All criteria were met except TOC was detected above the reporting limit in CCB12 and CCB14 batch#163101 and CCB12 batch#163196. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as undetected in associated samples in which it was detected above the reporting limit but below the blank concentration. This target analyte should be qualified as estimated high in associated samples in which it was detected above the blank concentration.
The second run of 442005-SB-07-2-12-010621 was run outside of hold time and should be qualified as estimated.

pH/TEMPERATURE
All criteria were met except pH and temperature were analyzed outside of hold time and should be qualified as estimated.

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Columbia Corp. #442005
Eurofins SDG#480-180041-1
March 18, 2021
Sampling date: 1/7/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for CDM Smith, project located at Columbia Corp. #442005, Eurofins SDG#480-180041-1 submitted to Vali-Data of WNY, LLC on March 1, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(1/2020) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D, 8270D SIM-ID), Perfluorinated Hydrocarbons (537 modified), PCB (8082A), Pesticide (8081B), Inorganics (6010C), Mercury (7470A, 7471B) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD and Compound Quantitation.

Soil samples were method 5035L non-compliant, so any detects in the soil samples below 200ug/kg should be qualified as estimated low.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Butanone, Acetone, Carbon disulfide, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Styrene and trans-1,2-Dichloroethene was outside QC limits, low in 442005-PZ-02-3-4-010721MS/MSD and should be qualified as estimated. These target analytes should be qualified as estimated in 442005-PZ-03-3-4-010721.
Several target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION
All criteria were met except Acetone was detected above the MDL, below the reporting limit and is qualified as estimated in TB-03-010721. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, MS/MSD, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4,6-Tribromophenol was outside QC limits, high in 442005-PZ-01-3-4-010721 and should be qualified as estimated. Associated target analytes detected in this samples should be qualified as estimated high.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of 2,4-Dinitrotoluene was outside QC limits, high in 442005-PZ-02-3-4-010721MS/MSD and should be qualified as estimated. This target analyte should be qualified as estimated high in 442005-PZ-02-3-4-010721, if detected.

COMPOUND QUANTITATION
All criteria were met except Di-n-butyl phthalate was detected above the MDL, below the reporting limit and is qualified as estimated in EB-03-010721. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Bis(2-chloroisopropyl) ether was outside QC limits in CCVIS 480-566100/3. This target analyte should be qualified as estimated in the associated samples, blanks and spikes.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP off column RTX-CLPI was outside QC limits, high in 442005-PZ-01-0-2-010721 and should be qualified as estimated. The %Rec of DCBP off column RTX-CLPII was outside QC limits, high in 442005-PZ-01-0-2-010721, 442005-PZ-01-2-12-010721 and 442005-PZ-02-2-12-010721 and should be qualified as estimated. Associated target analytes detected in these samples should be qualified as estimated high off the associated column.

METHOD BLANK
All the criteria were met except delta-BHC was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-565784/1-A. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met except delta-BHC was detected above the MDL, below the reporting limit and is qualified as estimated in EB-03-010721. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.
The RPD of 4,4'DDT was outside QC limits between the columns in 442005-PZ-01-0-2-010721 and should be qualified as estimated. The RPD of delta-BHC was outside QC limits between the columns in EB-03-010721 and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Methoxychlor was outside QC limits in CCVIS 480-565917/5 off column RTX-CLPII. The %D of Toxaphene peak 5 was outside QC limits in CCV 480-565917/7 off column RTX-CLPII. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX off column ZB-5 was outside QC limits, high in 442005-PZ-01-3-4-010721 and should be qualified as estimated. The %Rec of TCMX off both columns and DCBP off column ZB-35 was outside QC limits, high in MB 480-565855/1-A and LCS 480-565855/2-A and should be qualified as estimated. Target analytes in these samples should be qualified as estimated high, if detected off the associated column.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Aroclor 1016 and Aroclor 1260 was outside QC limits, high in LCS 480-565855/2-A and should be qualified as estimated. These target analytes should be qualified as estimated high in the associated samples in which they were detected.
The RPD of Aroclor 1016 was outside QC limits between the columns in LCS 480-565855/2-A and should be qualified as estimated.

MS/MSD
No MS/MSD was performed for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1221 peak 1 was outside QC limits off column ZB-35 in CCV 480-565980/4. The %D of Aroclor 1242 peak 1 was outside QC limits off column ZB-35 in CCV 480-565980/6. The %D of Aroclor 1248 peaks 1 and 2 was outside QC limits off column ZB-35 in CCV 480-565980/7. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.
The %D of several target analytes was outside QC limits in the continuing calibrations off column ZB-5. Column, ZB-35 was used as the primary column, so no further action is required. Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Blanks.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE RECOVERIES
All criteria were met except the %Rec of M2-6:2FTS was outside QC limits in all soil samples and the MS/MSD and should be qualified as estimated. The %Rec of M2-8:2FTS was outside QC

limits in all soil samples, the MS/MSD, LB 320-450805/1-B and 442005-PZ-02-2-12-010721(SPLP) and should be qualified as estimated. The associated target analytes in these samples, blank and spikes should be qualified as estimated.

BLANKS
All the criteria were met except PFHxS was detected above the MDL, below the reporting limit and is qualified as estimated in all ICBs and all CCBs. PFBA was detected above the MDL, below the reporting limit and are qualified as estimate in MB 320-450845/1-A. PFTeA was detected above the MDL, below the reporting limit and are qualified as estimate in MB 320-452234/1-A and ICB 320-448085/9. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit but below 10x the blank concentration.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All the criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on some of the target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks

-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

Due to interference check stand solution impurities of Ba, results for Ba in the samples, blanks and spikes should be qualified as estimated high, if detected.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except K was detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-565974/36. K and Na were detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-565974/43. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
No MS/MSD/Duplicate was performed for this analysis.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Cd, Co, Cu, Fe, Pb, K, Ag and V was outside QC limits, low in ICVL 480-565974/7. The %Rec of Ba, Be, Cd, Co, K, Na, V, Se and Ag was outside QC limits, low in CCVL 480-565974/19. The %Rec of Ba, Be, Cd, Cr, Co, Fe, Pb, K, Ni and Ag was outside QC limits, low in CCVL 480-565974/25. The %Rec of Ba, Be, Cd, Co, Fe, Pb, V and Ag was outside QC limits, low in CCVL 480-565974/37. The %Rec of Al, Ba, Be, Cd, Cu, Co, Fe and Pb was outside QC limits, low in CCVL 480-565974/44. The %Rec of Co, Mn and K was outside QC limits, low in ICVL 480-566128/7. The %Rec of Sb, Co, Cu, Pb, Mn, K and Ag was outside QC limits, low in CCVL 480-566128/19. The %Rec of Co, Cr, K and V was outside QC limits, low in CCVL 480-566128/27. The %Rec of Co and Cr was outside QC limits, low in CCVL 480-566128/39. The %Rec of Sb, Co, Mn and K was outside QC limits, low in CCVL 480-566128/51. The %Rec of Cr, Co, Pb and Mn was outside QC limits, low in CCVL 480-566128/56. The %Rec of Fe was outside QC limits, low in CCVL 480-566131/23. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.
The %Rec of K and Na was outside QC limits, high in CCVL 480-565974/37. The %Rec of Na was outside QC limits, high in CCVL 480-565974/44. The %Rec of Al was outside QC limits, high in CCVL 480-565974/19 and CCVL 480-566128/27. The %Rec of Al and Fe was outside QC limits, high in CCVL 480-566128/39. These target analytes should be qualified as estimated high in the associated blanks, samples and spikes in which they were detected.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- TOC
- pH/Temperature

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met except Cn was detected above the MDL, below the reporting limit and is qualified as estimated in EB-03-010721. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

TOC
All criteria were met.

pH/TEMPERATURE
All criteria were met except pH and temperature were analyzed outside of hold time and should be qualified as estimated.

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Columbia Corp. #442005
Eurofins SDG#480-180104-1
March 19, 2021
Revised; March 23, 2021
Sampling date: 1/8/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(revised; March 23, 2021) for CDM Smith, project located at Columbia Corp. #442005, Eurofins SDG#480-180104-1 submitted to Vali-Data of WNY, LLC on March 1, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(1/2020) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D, 8270D SIM-ID), Perfluorinated Hydrocarbons (537 modified), PCB (8082A), Pesticide (8081B), Inorganics (6010C), Mercury (7470A, 7471B) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, Compound Quantitation and Continuing Calibration.

Soil samples were method 5035L non-compliant, so any detects in the soil samples below 200ug/kg should be qualified as estimated low.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of cis-1,3-Dichloropropene was outside QC limits, high in LCS 480-565910/1-A and should be qualified as estimated. This target analyte should be qualified as estimated high in the associated samples in which it was detected.

MS/MSD
No MS/MSD was performed for this analysis.

COMPOUND QUANTITATION
All criteria were met except Acetone was detected above the MDL, below the reporting limit and is qualified as estimated in EB-04-010821. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of trans-1,3-Dichloropropene and Bromoform was outside QC limits in CCVIS 480-565892/9. The %D of 1,2-Dibromo-3-chloropropane was outside QC limits in CCVIS 480-566218/3. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Carbazole was outside QC limits, high in LCS 480-566017/2-A and should be qualified as estimated. This target analyte should be qualified as estimated high in the associated samples in which it was detected.

MS/MSD
No MS/MSD was performed for this analysis.

COMPOUND QUANTITATION
All criteria were met except 2,6-Dinitrotoluene, Acetophenone, Bis(2-chloroethyl)ether and Di-n-butyl phthalate was detected above the MDL, below the reporting limit and is qualified as estimated in EB-04-010821. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Bis(2-chloroisopropyl) ether was outside QC limits in CCVIS 480-566100/3. This target analyte should be qualified as estimated in the associated samples, blanks and spikes.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except delta-BHC and Methoxychlor were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-566386/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit. The RPD of Methoxychlor was outside QC limits between the columns in MB 480-566386/1-A and should be qualified as estimated.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of Endosulfan sulfate was outside QC limits between the columns in LCS 480-566386/2-A and should be qualified as estimated.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met except the RPD of 4,4'-DDT was outside QC limits between the columns in 442005-SB-03-0-2-010821 and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank

- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Laboratory Control Samples.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of TCMX off both columns and DCBP off column ZB-35 was outside QC limits, high in LCS 480-566051/2-A and should be qualified as estimated. Target analytes in this spike should be qualified as estimated high, if detected off the associated column.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of Aroclor 1016 was outside QC limits, high in LCS 480-566051/2-A and should be qualified as estimated. This target analyte should be qualified as estimated high in the associated samples in which it was detected.

The RPD of Aroclor 1260 was outside QC limits between the columns in LCS 480-566051/2-A and should be qualified as estimated.

MS/MSD
No MS/MSD was performed for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.
The %D of several target analytes was outside QC limits in the continuing calibrations off column ZB-5. Column, ZB-35 was used as the primary column, so no further action is required. Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Blanks, Laboratory Control Samples, MS/MSD, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE RECOVERIES
All criteria were met except the %Rec of 13C4PFBA was outside QC limits in 442005-SB-03-0-2-010821 and 442005-SB-03-0-2-010821MS/MSD and should be qualified as estimated. The %Rec of M2-8:2FTS was outside QC limits in LB 320-450805/1-B and should be qualified as estimated. The associated target analytes in these samples, blank and spikes should be qualified as estimated.

BLANKS
All the criteria were met except PFHxS was detected above the MDL, below the reporting limit and is qualified as estimated in all ICBs and all CCBs. PFBA was detected above the MDL, below the reporting limit and are qualified as estimate in MB 320-451109/1-A and MB 320-453860/1-A. PFTeA was detected above the MDL, below the reporting limit and is qualified as estimate in MB 320-452234/1-A and ICB 320-448085/9. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit but below 10x the blank concentration.
PFOS was detected above the reporting limit in MB 320-451109/1-A. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit but below 10x the blank concentration.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of PFTeA was outside QC limits in LCS 320-451109/2-A. The %Rec of PFOS was outside QC limits in LCS 320-453860/2-A. The RPD of PFDoA was outside

QC limits between LCS 320-451039/2-A and LCSD 320-451039/3-A. These target analytes should be qualified as estimated in the associated samples.

MS/MSD
All criteria were met except the %Rec of PFOA was outside QC limits in 442005-SB-03-02-010821MS/MSD and 442005-02-2-12-010821MS/MSD and should be qualified as estimated. The RPD of PFBA was outside QC limits between 442005-SB-03-02-010821MS and 442005-SB-03-02-010821MS and should be qualified as estimated. These target analytes should be qualified as estimated in the associated samples.

COMPOUND QUANTITATION
All the criteria were met except PFOS was detected above the MDL, below the reporting limit and is qualified as estimated in EB-04-010821. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on some of the target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of PFUnA was outside QC limits in CCV 320-452099/1. The %D of 6:2 FTS was outside QC limits in CCVL 320-452351/2 and CCVL 320-452080-2. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD/Duplicate
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, Laboratory Control Samples, Compound Quantitation and Calibration.

Due to interference check stand solution impurities of Ba, results for Ba in the samples, blanks and spikes should be qualified as estimated high, if detected.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except K was detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-566248/28, 40 and ICB 480-566997/6. Na was detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-566248/16. Fe and Pb were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-566997/33. Ba, Cr, Mn and Zn were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-566997/45. Fe and Mn were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-566997/57. Ca, Mn, Fe and Pb were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-566555/1-A. Mn was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-565904/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.
Pb and Fe were detected above the reporting limit in CCB 480-566997/45. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as undetected in associated samples in which they were detected above the reporting limit but below the blank concentration. These target analytes should be qualified as estimated high in associated samples in which they were detected above the blank concentration.

LABORATORY CONTROL SAMPLE
All criteria were met except the %Rec of Sb was outside QC limits, low in LCSSRM 480-566555/3-A and should be qualified as estimated. This target analyte should be qualified as estimated in the associated samples.

MS/MSD/DUPLICATE
No MS/MSD/Duplicate was performed for this analysis.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met except Mn was detected above the MDL, below the reporting limit and is qualified as estimated in EB-04-010821. This target analyte was detected in the associated blank, thus it was qualified as undetected and no further action is requried.
Fe and Zn were detected above the reporting limit in EB-04-010821. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as undetected in associated samples in which they were detected above the reporting limit but below the blank concentration. These target analytes should be qualified as estimated high in associated samples in which they were detected above the blank concentration.

CALIBRATION
All criteria were met except the %Rec of Mn and K was outside QC limits, low in ICVL 480-566248/7. The %Rec of Fe, Sb and Mn was outside QC limits, low in CCVL 480-566248/17. The %Rec of Al, Sb, Co and Mn was outside QC limits, low in CCVL 480-566248/29. The %Rec of Sb, Co and Mn was outside QC limits, low in CCVL 480-566248/41. The %Rec of Sb was outside QC limits, low in ICVL 480-566997/7 and CCVL 480-566997/58. The %Rec of Al, Sb and Ag was outside QC limits, low in CCVL 480-566997/17. The %Rec of Al and Sb was outside QC limits, low in CCVL 480-566997/22. The %Rec of Sb, Cu and Ag was outside QC limits, low in CCVL 480-566997/34. The %Rec of Ag was outside QC limits, low in CCVL 480-566997/46. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.
The %Rec of K was outside QC limits, high in ICVL 480-566515/8. The %Rec of Al and Ag was outside QC limits, high in ICVL 480-566248/7. The %Rec of K and Na was outside QC limits, high in CCVL 480-566248/29. The %Rec of Al, K and Na was outside QC limits, high in CCVL 480-566248/41. The %Rec of As and Fe was outside QC limits, high in CCVL 480-566997/17. The %Rec of Al, As, Ba, Pb, Mn and Fe was outside QC limits, high in CCVL 480-566997/34. The %Rec of Ba, Cr, Pb, Mn, Zn and Fe was outside QC limits, high in CCVL 480-566997/46. The %Rec of As, Ba, Cr, Pb and Mn was outside QC limits, high in CCVL 480-566997/58. These target analytes should be qualified as estimated high in the associated blanks, samples and spikes in which they were detected.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- TOC
- pH/Temperature

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met except Cn was detected above the MDL, below the reporting limit and is qualified as estimated in CCB14 batch#566194. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.
The %Rec of Cn was outside QC limits, high in CCV13 batch#566194 and should be qualified as estimated in the associated samples, blanks and spikes in which it was detected.

TOC
All criteria were met.

pH/TEMPERATURE
All criteria were met except pH and temperature were analyzed outside of hold time and should be qualified as estimated.

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Columbia Corp. #442005
Eurofins SDG#480-180155-1
March 22, 2021
Revised; March 29, 2021
Sampling date: 1/11, 12/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(revised; March 29, 2021) for CDM Smith, project located at Columbia Corp. #442005, Eurofins SDG#480-180155-1 submitted to Vali-Data of WNY, LLC on March 1, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(1/2020) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D, 8270D SIM-ID), Perfluorinated Hydrocarbons (537 modified), PCB (8082A), Pesticide (8081B), Inorganics (6010C), Mercury (7470A, 7471B) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD, Compound Quantitation and Continuing Calibration.

Soil samples were method 5035L non-compliant, so any detects in the soil samples below 200ug/kg should be qualified as estimated low.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of Acetone was outside QC limits, low in 442005-SB-04-10-11-011221MS/MSD. The RPD of 1,2,4-Trichlorobenzene was outside QC limits between 442005-SB-04-10-11-011221MS and 442005-SB-04-10-11-011221MS. These target analytes should be qualified as estimated in 442005-SB-04-10-11-011221 and 442005-SB-04-10-11-011221MS/MSD.
The %Rec of 2-Butanone was outside QC limits in the matrix spike but within limits in the matrix spike duplicate, so no further action is required.

COMPOUND QUANTITATION
All criteria were met except Acetone was detected above the MDL, below the reporting limit and is qualified as estimated in EB-05-011121. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of 1,2-Dibromo-3-chloropropane was outside QC limits in CCVIS 480-566218/3. This target analyte should be qualified as estimated in the associated samples, blanks and spikes.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Method Blank, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2-Fluorobiphenyl and 2,4,6-Tribromophenol was outside QC limits, low in 442005-SB-906-2-12-011121. Associated target analytes in this sample should be qualified as estimated.
Several surrogates were outside QC limits due to dilution, so no further action is required.

METHOD BLANK
All the criteria were met except Di-n-butyl phthalate was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-566398/1-A. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

COMPOUND QUANTITATION
All criteria were met except Acetophenone, Diethylphthalate and Di-n-butyl phthalate were detected above the MDL, below the reporting limit and are qualified as estimated in EB-05-011121. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Carbazole was outside QC limits in CCVIS 480-566563/3. This target analyte should be qualified as estimated in the associated samples, blanks and spikes.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.
The %Rec of several surrogates were outside QC limits due to dilution, so no further action is required.

METHOD BLANK
All the criteria were met except Delta-BHC and Methoxychlor were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-566386/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit. The RPD of Methoxychlor was outside QC limits between the columns in MB 480-566386/1-A and should be qualified as estimated.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of Endosulfan sulfate was outside QC limits between the columns in LCS 480-566368/2-A and should be qualified as estimated. This target analyte should be qualified as estimated in the associated samples.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met except the RPD of 4,4'-DDT was outside QC limits between the columns in 442005-SB-06-6.5-7.5-011121 and should be qualified as estimated. The RPD of 4,4'-DDD was outside QC limits between the columns in 442005-SB-06-0-2-011121 and 442005-SB-906-2-12-011121 and should be qualified as estimated. The RPD of Endosulfan I and Endrin aldehyde were outside QC limits between the columns in 442005-SB-04-0-2-011221 and should be qualified as estimated. The RPD of delta-BHC was outside QC limits between the columns in EB-05-011121 and should be qualified as estimated.
Delta-BHC was detected above the MDL, below the reporting limit in EB-05-011121 and is qualified as estimated. This target analyte should be qualified as undetected at the reporting

limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of cis-Chlordane was outside QC limits in CCVIS 480-566578/6 off column RTX-CLPII. The %D of Toxaphene peaks 4 and 5 was outside QC limits in CCV 480-566578-8 off column RTX-CLPII. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX off column ZB-35 was outside QC limits, high in LCS 480-566217/2-A and 442005-SB-04-10-11-011221 and should be qualified as estimated. The %Rec of TCMX off column ZB-5 was outside QC limits, high in all soil samples and QC except 442005-SB-06-0-2-011121 and 442005-SB-06-2-12-01112. Target analytes in these non-compliant samples and spike should be qualified as estimated high, if detected off the associated column.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Aroclor 1016 and Aroclor 1260 was outside QC limits, high in LCS 480-566217/2-A and should be qualified as estimated. These target analytes should be qualified as estimated high in the associated samples in which they were detected.

MS/MSD
No MS/MSD was performed for this analysis.

COMPOUND QUANTITATION
All criteria were met except the RPD of Aroclor 1242 was outside QC limits between the columns in 44205-SB-06-0-2-01112 and should be qualified as estimated. The RPD of Aroclor 1254 was outside QC limits between the columns in 44205-SB-06-2-12-01112 and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.
The %D of several target analytes was outside QC limits in the continuing calibrations off column ZB-5. Column, ZB-35 was used as the primary column, so no further action is required.

Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Holding Times, Surrogate Spike Recoveries, Blanks, Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except the reextractions were prepared outside of hold time. Target analytes in the reextracted samples should be qualified as estimated.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE RECOVERIES
All criteria were met except the %Rec of 13C4PFBA was outside QC limits in 442005-SB-04-0-2-011121 and 442005-SB-04-2-12-011121 and should be qualified as estimated. The %Rec of M2-8:2FTS was outside QC limits in LB 320-450805/1-B and should be qualified as estimated. The %Rec of M2-6:2FTS and M2-8:2FTS was outside QC limits in all soil samples and 442005-SB-06-0-2-011121MS/MSD except 442005-SB-04-2-12-011121 and should be qualified as estimated. The %Rec of M2-6:2FTS was outside QC limits in 442005-SB-06-2-12-011121(SPLP) and should be qualified as estimated. The %Rec of M2-8:2FTS was outside QC limits in MB 320-451497/1-A and should be qualified as estimated. The associated target analytes in these samples, blank and spikes should be qualified as estimated.

BLANKS
All the criteria were met except PFHxS was detected above the MDL, below the reporting limit and is qualified as estimated in all ICBs and all CCBs. PFOS was detected above the MDL, below the reporting limit and is qualified as estimate in MB 320-451948/1-A. PFBA was detected above the MDL, below the reporting limit and is qualified as estimate in MB 320-455956/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit but below 10x the blank concentration.
PFBA was detected above the reporting limit in MB 320-451948/1-A. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit but below 10x the blank concentration.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of PFOS was outside QC limits in LCS 320-451948/2-A. The RPD of PFDoA was outside QC limits between LCS 320-451497/2-A and LCSD 320-451497/3-A. These target analytes should be qualified as estimated in the associated samples.
Some target analytes were outside QC limits in the laboratory control sample or the laboratory control samples duplicate but not both, so no further action is required.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All the criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on some of the target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of PFNA was outside QC limits in CCV 320-451669/1. This target analyte should be qualified as estimated in the associated samples, blanks and spikes.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, MS/MSD/Duplicate and Calibration.

Due to interference check stand solution impurities of Ba, results for Ba in the samples, blanks and spikes should be qualified as estimated high, if detected.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except K was detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-566519/32, 55. Be and K were detected above the MDL, below the reporting limit and are qualified as estimated in ICB 480-567419/6. Ba, Be and Mn were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-567419/19. Fe and Mn were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-567419/30, 42. Be, Mn, Ca and Na were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-566913/1-A. Mn was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-566071/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.
Ca was detected above the reporting limit in CCB 480-567419/19. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as undetected in associated samples in which it was detected above the reporting limit but below the blank concentration. This target analyte should be qualified as estimated high in associated samples in which it was detected above the blank concentration.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met except the %Rec of Al and K was outside QC limits, high in 442005-SB-06-0-2-011121MS/MSD and should be qualified as estimated. These target analytes should be qualified as estimated high in 442005-SB-06-0-2-01112, if detected.
Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Mn and Co was outside QC limits, low in ICVL 480-566519/8 and CCVL 480-566519/21, 56. The %Rec of Co, Se and Mn was outside QC limits, low in CCVL 480-566519/33. The %Rec of As, Cd, Co and Mn was outside QC limits, low in CCVL 480-566519/45. The %Rec of Fe was outside QC limits, low in CCVL 480-566419/20. The %Rec of Al was outside QC limits, low in CCVL 480-567419/31. The %Rec of Sb was outside QC limits, low in CCVL 480-567419/43. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.
The %Rec of Al, Ag, Zn and K was outside QC limits, high in ICVL 480-566519/8. The %Rec of Al and Ag was outside QC limits, high in CCVL 480-566519/21. The %Rec of K was outside QC limits, high in CCVL 480-566519/33, 45. The %Rec of Al was outside QC limits, high in CCVL 480-566519/56. The %Rec of Ba, Be, Mn and Fe was outside QC limits, high in ICVL 480-567419/7. The %Rec of Ba, Be, Ca, Mn and Na was outside QC limits, high in CCVL 480-567419/20. The %Rec of Ba, Be, Ca, Fe and Mn was outside QC limits, high in CCVL 480-567419/31. The %Rec of Mn was outside QC limits, high in CCVL 480-567419/43. These target analytes should be qualified as estimated high in the associated blanks, samples and spikes in which they were detected.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- TOC
- pH/Temperature

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met Cn was detected above the MDL, below the reporting limit and is qualified as estimated in EB-05-011121. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

TOC
All criteria were met except TOC was detected above the MDL, below the reporting limit and is qualified as estimated in CCB12 batch#163296. This target analyte should be qualified as

undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.
TOC was detected above the reporting limit in CCB12 batch#163196. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as undetected in associated samples in which it was detected above the reporting limit but below the blank concentration. This target analyte should be qualified as estimated high in associated samples in which it was detected above the blank concentration.

pH/TEMPERATURE
All criteria were met except pH and temperature were analyzed outside of hold time and should be qualified as estimated.

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Columbia Corp. #442005
Eurofins SDG#480-180277-1
March 23, 2021
Reissued; March 30, 2021
Sampling date: 1/12,13/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(reissued; March 30, 2021) for CDM Smith, project located at Columbia Corp. #442005, Eurofins SDG#480-180277-1 submitted to Vali-Data of WNY, LLC on March 1, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(1/2020) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D, 8270D SIM-ID), Perfluorinated Hydrocarbons (537 modified), PCB (8082A), Pesticide (8081B), Inorganics (6010C), Mercury (7470A, 7471B) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD, Internal Standard, Compound Quantitation and Continuing Calibration.

Soil samples were method 5035L non-compliant, so any detects in the soil samples below 200ug/kg should be qualified as estimated low.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except the area of 1,4-Dichlorobenzene-d_4 was outside QC limits, low in 442005-SED-04-011321. Associated target analytes detected in this sample should be qualified as estimated high.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of cis-1,3-Dichloropropene was outside QC limits, high in LCS 480-566524/1-A and should be qualified as estimated. This target analyte should be qualified as estimated high in the associated samples in which it was detected.

MS/MSD
All criteria were met except the %Rec of 1,1,2,2-Tetrachloroethene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dichlorobenzene, 2-Butanone, 4-Methyl-2-pentanone, Acetone, Carbon disulfide and 1,2-Dibromoethane was outside QC limits, low in 442005-SED-09-011321MS/MSD. These target analytes should be qualified as estimated in 442005-SED-09-011321 and 442005-SED-09-011321MS/MSD.
The %Rec of several target analytes was outside QC limits in the matrix spike but within limits in the matrix spike duplicate, so no further action is required.

COMPOUND QUANTITATION
All criteria were met except Acetone, Benzene and Xylene were detected above the MDL, below the reporting limit and is qualified as estimated in DECON-1. These target analytes

should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit. Bromodichloromethane, Chloroform and Toluene were detected above the reporting limit in Decon-1. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as undetected in associated samples in which they were detected above the reporting limit but below the blank concentration. These target analytes should be qualified as estimated high in associated samples in which they were detected above the blank concentration.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of cis-1,3-Dichloropropene was outside QC limits in CCVIS 480-566493/9. This target analyte should be qualified as estimated in the associated samples, blanks and spikes.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Method Blank, MS/MSD, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4,6-Tribromophenol was outside QC limits, high in 442005-SED-07-011321, 442005-SED-03-011321 and 442005-SED-09-011321MS. Associated target analytes detected in these samples should be qualified as estimated high.
Several surrogates were outside QC limits due to dilution, so no further action is required.

METHOD BLANK
All the criteria were met except Di-n-butyl phthalate was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-566398/1-A. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of 4-Chloro-3-methylphenol and 2,4-Dinitrotoluene was outside QC limits, high in 442005-SW-09-011321MS/MSD and should be qualified as estimated. The %Rec of 2,4-Dinitrotoluene was outside QC limits, high in 442005-SED-09-011321MS/MSD and should be qualified as estimated. These target analytes should be qualified as estimated high in the associated samples is which they were detected.
The RPD of 4-Chlorophenylphenyl ether and N-Nitrosodiphenylamine was outside QC limits, between 442005-SED-09-011321MS and 442005-SED-09-011321MSD and should be qualified as estimated. These target analytes should be qualified as estimated 442005-SED-09-011321.

COMPOUND QUANTITATION
All criteria were met except Di-n-butyl phthalate was detected above the MDL, below the reporting limit and is qualified as estimated in EB-06-011221, EB-07-011321 and DECON-1. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Carbazole was outside QC limits in CCVIS 480-566563/3. The %D of Bis(2-chloroisopropyl)ether and Hexachlorobutadiene was outside QC limits in CCVIS 480-567282/3. The %D of Bis(2-chloroisopropyl)ether was outside QC limits in CCVIS 480-566748/3. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank

- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples, MS/MSD, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.
The %Rec of several surrogates were outside QC limits due to dilution, so no further action is required.

METHOD BLANK
All the criteria were met except delta-BHC was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-566489/1-A. Endrin aldehyde was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-566499/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Endosulfan sulfate was outside QC limits, high in LCS 480-566489/2-A and should be qualified as estimated. This target analyte should be qualified as estimated high in the associated samples in which it was detected.
The RPD of Endosulfan sulfate was outside QC limits between the columns in LCS 480-566499/2-A and should be qualified as estimated.

MS/MSD
All criteria were met except the %Rec of 4,4'-DDT was outside QC limits, high in 442005-SED-09-011321MS/MSD and should be qualified as estimated. This target analyte should be qualified as estimated high in 442005-SED-09-011321, if detected.
The RPD of alpha-BHC, delta-BHC and Heptachlor epoxide was outside QC limits between 442005-SED-09-011321MS and 442005-SED-09-011321MSD and should be qualified as estimated. These target analytes should be qualified as estimated in 442005-SED-09-011321.
The RPD of 4,4'-DDT and Endosulfan sulfate was outside QC limits between the columns in 442005-SW-09-011321MSD and should be qualified as estimated. The RPD of beta-BHC and Aldrin was outside QC limits between the columns in 442005-SED-09-011321MS/MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met except the RPD of delta-BHC was outside QC limits between the columns in EB-07-011321 and should be qualified as estimated. The RPD of Endrin aldehyde was outside QC limits between the columns in DECON-1 and should be qualified as estimated. The RPD of 4,4'-DDE and Methoxychlor were outside QC limits between the columns in 442005-SED-04-011321 and should be qualified as estimated. The RPD of 4,4'-DDT was outside QC limits between the columns in 442005-SED-03-011321 and 442005-SED-903-011321 and should be qualified as estimated.
Delta-BHC was detected above the MDL, below the reporting limit in EB-07-011321 and is qualified as estimated. Endosulfan I and Endrin aldehyde were detected above the MDL, below the reporting limit and are qualified as estimated in DECON-1. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of cis-Chlordane was outside QC limits in CCVIS 480-566578/6 off column RTX-CLPII. The %D of Toxaphene peaks 4 and 5 was outside QC limits in CCV 480-566578-8 off column RTX-CLPII. The %D of Toxaphene peak 5 was outside QC limits in

CCV 480-566658-8 off column RTX-CLPII. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX off column ZB-5 was outside QC limits, high in LCS 480-566511/2-A and 442005-SED-09-011321MS and should be qualified as estimated. Target analytes in these spikes should be qualified as estimated high, if detected off the associated column.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of Aroclor 1016 was outside QC limits, high in 442005-SED-09-011321MS/MSD and should be qualified as estimated. This target analyte should be qualified as estimated high in 442005-SED-09-011321 if it was detected.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except the %Rec of Aroclor 1260 peak 2 was outside QC limits n CCVIS 480-566924-5 off column ZB-35. This target analyte should be qualified as estimated in the associated samples, blanks and spikes.
The %D of several target analytes was outside QC limits in the continuing calibrations off column ZB-5. Column, ZB-35 was used as the primary column, so no further action is required. Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Internal Standard, Surrogate Spike Recoveries, Blanks, MS/MSD and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except the area of 13C2PFOA was outside QC limits, low in 442005-SED-04-011321 and 442005-SED-06-011321. Surrogates in these samples should be qualified as estimated high.

SURROGATE RECOVERIES
All criteria were met except the %Rec of 13C4PFBA was outside QC limits in 442005-SED-09-011321MSRE/MSDRE, 442005-SED-07-011321 and 442005-SED-05-011321 and should be qualified as estimated. The %Rec of M2-6:2FTS and M2-8:2FTS was outside QC limits in 442205-SED-07-011321, 442205-SED-04-011321, 442205-SED-03-011321, 442205-SED-903-011321, 442205-SED-06-011321 and 442205-SED-05-011321 and should be qualified as estimated. The %Rec of all surrogates except M2-6:2FTS and M2-8:2FTS was outside QC limits in 442005-SW-04-011321 and should be qualified as estimated. The %Rec of M2-8:2FTS and d3-NMeFOSAA was outside QC limits in DECON-1 and should be qualified as estimated. The associated target analytes in these samples, blank and spikes should be qualified as estimated.

BLANKS
All the criteria were met except PFHxS was detected above the MDL, below the reporting limit and is qualified as estimated in all ICBs and all CCBs. PFOS was detected above the MDL, below the reporting limit and is qualified as estimate in MB 320-453861/1-A. PFTeA was detected above the MDL, below the reporting limit and is qualified as estimate in ICB 320-448085/9. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit but below 10x the blank concentration.
PFBA was detected above the reporting limit in MB 320-453861/1-A and MB 320-455209/1-A. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit but below 10x the blank concentration.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of PFBA was outside QC limits in 442005-SED-09-011321MSRE/MSDRE and should be qualified as estimated. This target analyte should be qualified as estimated in 442005-SED-09-011321. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit but below 10x the blank concentration.

COMPOUND QUANTITATION
All the criteria were met except PFNA was detected above the MDL, below the reporting limit and is qualified as estimated in EB-06-011221. PFNA and PFOS were detected above the MDL,

below the reporting limit and are qualified as estimated in EB-07-011321. PFNA and PFHpA were detected above the MDL, below the reporting limit and are qualified as estimated in DECON-1. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit but below 10x the blank concentration.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on some of the target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD/Duplicate
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, MS/MSD, Serial Dilution, Compound Quantitation and Calibration.

Due to interference check stand solution impurities of Ba, results for Ba in the samples, blanks and spikes should be qualified as estimated high, if detected.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Be, Fe and Mn were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-566710/19. Fe was detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-566710/23. Mn was detected above the MDL, below the reporting limit and is qualified as estimated in ICB 480-566874/6 and CCB 480-567264-34, 46. Mg and Mn were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-567264/22. Fe and K were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-567414/23, 35. K was detected above the MDL, below the reporting limit and is qualified as estimated in ICB 480-567585/6. Mn was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-566467/1-A. Al, Ca, Mg and Mn were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-566911/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.
Ca was detected above the reporting limit in CCB 480-567264/19. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as undetected in associated samples in which it was detected above the reporting limit but below the blank concentration. This target analyte should be qualified as estimated high in associated samples in which it was detected above the blank concentration.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met except the %Rec of Al was outside QC limits, high in 442005-SED-09-011321MS/MSD and should be qualified as estimated. This target analyte should be qualified as estimated high in 442005-SED-09-011321, if detected.
The %Rec of Sb was outside QC limits, low in 442005-SED-09-011321MS/MSD and should be qualified as estimated. The RPD of Zn was outside QC limits between442005-SED-09-011321MS and 442005-SED-09-011321MSD and should be qualified as estimated. These target

analytes should be qualified as estimated in 442005-SED-09-011321.
The %Rec of Pb was outside QC limits <30% in 442005-SED-09-011321MS/MSD and should be qualified as estimated. This target analyte should be qualified as estimated low in 442005-SED-09-011321, if detected or unusable if not detected.
Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met except the %D of Al, Sb, Ba, Be, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, V and Zn were outside QC limits in 442005-SED-09-01132SD and should be qualified as estimated in 442005-SED-09-011321.

COMPOUND QUANTITATION
All criteria were met except Cu, Mn, K and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in DECON-1. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.
Ca, Mg, Fe and Na were detected above the reporting limit in DECON-1. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as undetected in associated samples in which they were detected above the reporting limit but below the blank concentration. These target analytes should be qualified as estimated high in associated samples in which they were detected above the blank concentration.

CALIBRATION
All criteria were met except the %Rec of Al and Co was outside QC limits, low in CCVL 480-566710/20. The %Rec of Se was outside QC limits, low in CCVL 480-566710/24. The %Rec of Al was outside QC limits, low in CCVL 480-566710/48. The %Rec of Sb and Se was outside QC limits, low in ICVL 480-567264/7. The %Rec of Sb was outside QC limits, low in CCVL 480-567264/19. The %Rec of Sb and Ag was outside QC limits, low in CCVL 480-567264/23. The %Rec of Ag was outside QC limits, low in CCVL 480-567264/35. The %Rec of Al, Sb, Cr and Ag was outside QC limits, low in CCVL 480-567264/47. The %Rec of Fe and K was outside QC limits, low in CCVL 480-567585/26. The %Rec of K was outside QC limits, low in CCVL 480-567585/19. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.
The %Rec of Cd was outside QC limits, high in ICVL 480-566710/7 and CCVL 480-566710/48. The %Rec of As, Ba, Be, Cd, Ca and Mg was outside QC limits, high in CCVL 480-566710/20. The %Rec of Ba, Cd and Ca was outside QC limits, high in CCVL 480-566710/24. The %Rec of As, Ba, Be, Cd, Mg and Mn was outside QC limits, high in CCVL 480-566710/36. The %Rec of Fe and K was outside QC limits, high in ICVL 480-566874/7 and CCVL 480-567414/24. The %Rec of Fe

was outside QC limits, high in CCVL 480-566874/41, CCVL 480-567414/36 and CCVL 480-567585/19. The %Rec of Sb was outside QC limits, high in CCV 480-567264/45. The %Rec of Ba, Be, Cr, Mn and Mg was outside QC limits, high in ICVL 480-567264/7. The %Rec of Mn and Cd was outside QC limits, high in CCVL 480-567264/35. The %Rec of Mn outside QC limits, high in CCVL 480-567264/47. These target analytes should be qualified as estimated high in the associated blanks, samples and spikes in which they were detected.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Columbia Corp. #442005
Eurofins SDG#480-180685-1
March 25, 2021
Reissued; March 30, 2021
Sampling date: 1/26, 27/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(reissued; March 30, 2021) for CDM Smith, project located at Columbia Corp. #442005, Eurofins SDG#480-180685-1 submitted to Vali-Data of WNY, LLC on March 1, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(1/2020) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D, 8270D SIM-ID), Perfluorinated Hydrocarbons (537 modified), PCB (8082A), Pesticide (8081B), Inorganics (6010C), Mercury (7470A, 7471B) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, Internal Standard, Compound Quantitation and Continuing Calibration.

Soil samples were method 5035L non-compliant, so any detects in the soil samples below 200ug/kg should be qualified as estimated low.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except a batch worksheet was not included in the original package. Those pages are attached.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except the area of 1,4-Dichlorobenzene-d_4 was outside QC limits, low in 442005-SED-01-012721. Associated target analytes detected in this sample should be qualified as estimated high.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of 2-Butanone was outside QC limits, high in LCS 480-567993/1-A and should be qualified as estimated. This target analyte should be qualified as estimated high in the associated samples in which it was detected.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met except Methylene Chloride was detected above the MDL, below the reporting limit and is qualified as estimated in 442005-EB-012721. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of cis-1,3-Dichloropropene, trans-1,3-Dichloropropene and Bromoform was outside QC limits in CCVIS 480-568012/2. The %D of cis-1,3-Dichloropropene, trans-1,3-Dichloropropene and 1,1,2-Trichloroethane-1,2,2-Trifluoroethane was outside QC limits in CCVIS 480-567710/9. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except Di-n-butyl phthalate was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-567927/1-A. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of 4-Chloro-3-methylphenol and 2,4-Dinitrotoluene was outside QC limits, high in 442005-MW-07-012621MS/MSD and should be qualified as estimated. These target analytes should be qualified as estimated high in the associated samples is which they were detected.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Hexachlorobutadiene was outside QC limits in CCVIS 480-568387/3. The %D of 4-Chloro-3-methylphenol and Pentachlorophenol was outside QC limits in CCVIS 480-568284/3. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.
The %Rec of several surrogates were outside QC limits due to dilution, so no further action is required.
Some surrogate spike recoveries were outside laboratory QC limits but within NFG QC limits, so no further action is required.

METHOD BLANK
All the criteria were met except delta-BHC was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-567907/1-A. 4,4'-DDT was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-568736/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Endosulfan sulfate was outside QC limits, high in LCS 480-567907/2-A and should be qualified as estimated. This target analyte should be qualified as estimated high in the associated samples in which it was detected.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met except the RPD of delta-BHC was outside QC limits between the columns in 442005-PZ-02-012621, 442005-MW-07-012621, 442005-MW-05-012621, 442005-MW-02-012721 and 442005-EB-012721 and should be qualified as estimated. The RPD of gamma-BHC and Endrin aldehyde was outside QC limits between the columns in 442005-SW-02-012621 and should be qualified as estimated. The RPD of alpha-BHC and delta-BHC were outside QC limits between the columns in 442005-SW-01-012621 and should be qualified as estimated. The RPD of gamma-BHC and delta-BHC were outside QC limits between the columns in 442005-PZ-01-012621 and should be qualified as estimated. The RPD of delta-BHC and Endrin aldehyde was outside QC limits between the columns in 442005-MW-03-012721 and should be qualified as estimated. The RPD of Endrin aldehyde was outside QC limits between the columns in 442005-MW-903-012721, 442005-MW-04-012721 and 442005-MW-01-012721 and should be qualified

as estimated. The RPD of Methoxychlor was outside QC limits between the columns in 442005-SED-02-012721 and 442005-SED-01-012721 and should be qualified as estimated.
Delta-BHC was detected above the MDL, below the reporting limit in 442005-EB-012721 and is qualified as estimated. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of delta-BHC was outside QC limits in CCVIS 480-569076/6 off column RTX-CLPII. The %D of Toxaphene peak 5 was outside QC limits in CCV 480-568096-5 off column RTX-CLPII. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX off column ZB-5 and DCBP off both columns was outside QC limits, high in LCS 480-568902/2-A and should be qualified as estimated. The %Rec of DCBP off column ZB-5 was outside QC limits, high in MB 480-568902/1-A and 442005-SED-01-012721 and should be qualified as estimated. Target analytes in these samples should be qualified as estimated high, if detected off the associated column.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.
The %D of several target analytes was outside QC limits in the continuing calibrations off column ZB-5. Column, ZB-35 was used as the primary column, so no further action is required. Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Blanks, Laboratory Control Samples and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE RECOVERIES
All criteria were met except the %Rec of d3-NMeFOSAA, d5-NEtFOSAA and 13C2PFTeDA was outside QC limits in 442005-SED-01-012721 and should be qualified as estimated. The %Rec of

13C3PFBS and 13C5PFPeA was outside QC limits in 442005-MW-05-012621 and should be qualified as estimated. The %Rec of 13C5PFPeA was outside QC limits in 442005-MW-07-012621, 442005-PZ-01-012621, 442005-MW-03-012721, 442005-MW-01-012721 and 442005-MW-07-012621MSD and should be qualified as estimated. The %Rec of M2-6:2FTS was outside QC limits in 442205-SW-02-012621, 442205-SW-01-012621, 442205-MW-03-012721, 442205-MW-903-012721 and 442205-MW-02-012721 and should be qualified as estimated. The associated target analytes in these samples, blank and spikes should be qualified as estimated.

BLANKS

All the criteria were met except PFHxS was detected above the MDL, below the reporting limit and is qualified as estimated in all ICBs and all CCBs. PFBA was detected above the MDL, below the reporting limit and is qualified as estimate in MB 320-459643/1-A. PFTeA was detected above the MDL, below the reporting limit and is qualified as estimate in ICB 320-448085/9. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit but below 10x the blank concentration.

PFOS was detected above the reporting limit in MB 320-459643/1-A. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit but below 10x the blank concentration.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of PFOS was outside QC limits in LCS 320-459643/2-A. This target analyte should be qualified as estimated in the associated samples.

MS/MSD

All criteria were met.

COMPOUND QUANTITATION

All the criteria were met except PFTeA was detected above the MDL, below the reporting limit and is qualified as estimated in 442005-EB-012721. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit but below 10x the blank concentration.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were used on some of the target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, Laboratory Control Samples, MS/MSD/Duplicate, Compound Quantitation and Calibration.

Due to interference check stand solution impurities of Ba, results for Ba in the samples, blanks and spikes should be qualified as estimated high, if detected.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Mn was detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-568622/41, MB 480-567984/1-A and MB 480-568393/1-A. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

LABORATORY CONTROL SAMPLE
All criteria were met except the %Rec of Sb was outside QC limits, low in LCSSRM 480-568393/2-A and should be qualified as estimated. This target analyte should be qualified as estimated in the associated samples.

MS/MSD/DUPLICATE
All criteria were met except the RPD of Fe was outside QC limits between 442005-MW-07-012621MS and 442005-MW-07-012621MSD and should be qualified as estimated. This target analyte should be qualified as estimated in 442005-MW-07-012621.
Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met except Fe and Mn were detected above the MDL, below the reporting limit and is qualified as estimated in 442005-EB-012721. Mn was detected above the MDL, below the reporting limit and is qualified as estimated in 442005-EB-012621. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

CALIBRATION
All criteria were met except the %Rec of Se, Ag and Zn was outside QC limits, low in ICVL 480-568622/7. The %Rec of Sb, As, K, Se, Ag, Na and Zn was outside QC limits, low in CCVL 480-568622/19. The %Rec of Sb, K, Se and Na was outside QC limits, low in CCVL 480-568622/30, 54. The %Rec of Sb, Fe, K, Se, Zn and Na was outside QC limits, low in CCVL 480-568622/42. The %Rec of Al was outside QC limits, low in ICVL 480-568353/7. The %Rec of Sb and K was outside QC limits, low in CCVL 480-568353/19. The %Rec of Co and K was outside QC limits, low in CCVL 480-568353/30. The %Rec of K was outside QC limits, low in CCVL 480-568353/53. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

The %Rec of Fe was outside QC limits, high in CCV 480-568353/19, 53. The %Rec of Cr was outside QC limits, high in CCVL 480-568353/30. These target analytes should be qualified as estimated high in the associated blanks, samples and spikes in which they were detected.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met.

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