APPENDIX A

HISTORICAL DOCUMENTATION
NIAGAR SANITATION COMPANY - 5th Road Site

Summary of File (1962-1986)

2-28-62 NYSDOH to file re: possible rat infestation

1-12-65 NYSDOH house memo re: inspection

2-26-65 NYSDOH inspection re: possible rat infestation.

4-12-66 Petition to stop storing or new landfill at Lockport Rd. & Winter Rd.

3-20-65 Citizen complaint re: unhealthy conditions at dump.

3-23-65 NCHD inspection

4-23-65 Follow-up to 3-20 citizen complaint - demands to know status.

5-24-65 Aft Commis. Health to Wheatfield Town Board - asking to find new site.

6-4-65 """

CONFERENCE states new site will be sited soon.

5-27-66 NCHD to Wheatfield re: order to show cause on improper operation.

6-10-65 Citizen complaint

(4-28-65) Meeting of neighbors & NCHD

(5-14-65) NCHD visits site

6-12-65 NYSDOH inspection

9-14-65 Commissioner to Niagara Sanitation re: improper operation.

9-27-65 NYSDOH inspection to recommend legal action.

10-28-65 Attorney to Attorney re: Wheatfield/NiA. Sanitation agreement.

9-4-66 NCHD to Wheatfield Town Board re: operational problems.

5-21-66 Attorney memo re: slides.

6-31-66 Summer 66 report - notes many improvements mentions 30x10x300 ft. disposal area.

6-1-66 NYSDOH inspection.

6-10-66 NCHD to Wheatfield re: 6/12/66 hearing.

6-10-66 NCHD inspection/survey.

6-11-66 NYSDOH inspection of 7/6 comments.

7-12-66 NCHD to Wheatfield memo.

8-27-66 NCHD memo re: unauthorized citizen disposal.
2-3-66  NCHD → Wheatfield re: Operations
1-18-67  NCHD → Wheatfield re: improvements & deficiencies
11-67    Citizen complaint re: open water holes
26-67    NT → NCHD re: Dangerous conditions at site
25-67    NCHD → Wheatfield re: 7/21 conference & drainage plans
26-67    NCHD → NT re: Drainage problem
25-67    Surveyors → NCHD re: Prints for proposed grading
3-67     NCHD → Surveyors re: Renewed prints because does not address cover
30-67    Surveyors → NCHD re: Enclosed prints
1-67     NCHD → Surveyors re: Accepted plan
2-27-67  NCHD → Hasley Trucking re: cease using drop until plan complied
3-68     NYS Dept. Inspect
3-68     NCHD → Wheatfield re: Mentions Chemical wastes being buried
1-68     NCHD → Wheatfield requests using NERDD-Wheatfield discontinues this site
15-68    NCHD Inspection with Sketch
1-68     Status Survey
13-69    NCHD inspect with sketch
11-69    Complaint re: Fleshy back yard
14-69    NCHD inspect
28-71    Complaint: Foul odor
11-78    Wheatfield → NCHD acknowledges chemical material & request NCHD to investigate
1-78     NCHD Inspection
NIAGARA COUNTY
DEPARTMENT OF HEALTH

Service Request: Survey of closed landfill site

Originator of Complaint: A.C.E.O.

Owner: Former Town of Wheatfield

Occupant: Address: Rush Rd., Wheatfield, NY.

REPORT OF INVESTIGATION

Date: 9/12/78

Surveyed site, found no evidence of surface leakage. Unable to detect industrial refuse (Except for some rubble from glass etc.) No brush buildup which was likely depilled bycutters and appears in satisfactory condition.

Date Abated: 9/12/78

By: C. Muszynski
September 11, 1978

Niagara County Health Department
10th and East Falls Street
Niagara Falls, New York

RE: Town of Wheatfield, New York

Gentlemen:

The Town Board of the Town of Wheatfield has requested that I advise the County Agencies involved that there was in the past a dumping of chemical material at the Town of Wheatfield Nash Road dump.

The Town Board, in light of recent developments concerning chemical leachage, hereby requests that the Niagara County Health Department take the necessary steps to conduct an analysis of the aforesaid area so that the residents of that area can be rest assured there doesn't exist any dangerous situation.

If you have any questions, please contact me.

Yours very truly,

GSH/fmc

cc: Economic Development and Planning Department
Name: Mrs. Pastah
Address: 130 Forbes St.
Location: Old Wheatfield Dump
Request: 

Date: 5-28-71  Code: 81 12

Report of Investigation:

Mrs. Pastah complained of condition at rear of her residence. Hooker Chem. used this drain for bringing cattle feed to her house. She wants this area cleaned off to prevent water accumulation.

She also complained of old dump (Wheatfield). There is deep water in area of dump creating a hazard to children, cockroaches, and mosquitoes present a problem to area Forbes Street residents.

Date Abated: May 28, 1971  By: [Signature]
NIAGARA COUNTY
DEPARTMENT OF HEALTH

Service Request

Originator of Complaint

Owner

Occupant

REPORT OF INVESTIGATION

Date

Hours

1) On the area behind 32 Falls Terrace in Amherst, there is a pond located upon the Wheatfield dump and the only edge of pond has formed the flooded area posterior of the homes at 32, 34, 36 and 38 Falls Terrace.

The area behind 32 Falls Terrace was graded at one time but has now filled and formed a small pond. In my opinion, the area should be raised for Wheatfield. If the pond is not raised, the area will soon fill with water and become a nuisance. To do this, the area will need to be raised and filled with dirt to form a pond. This will make the area a safe place for children to play in.
NIAGARA COUNTY
DEPARTMENT OF HEALTH

REPORT OF INVESTIGATION

Date
Hours

Low: Then, the (good name) would of in day went no tie.

An request for the of ground area of small and
too problem in much greatly. The manager said clean out
an existing ditch that runs along the approach road to dump
this ditch some about 100 yard behind the home in area
but the behind only about half of the house that then flooding
in them. This ditch in separate from the land was lead by
approach used to dump and the land same. Niagara Mohawk.

Mr. Manager has also noted the would need a ditch to the side
of approach road on the ground line because Wheatfield land
and power to land if so elevated by the grading that Niagara
Mohawk agree to this. It must be noted that if dead
water ponding that is lower than that of Snyder Brook, when
water main flow that ditch will not drain off all the surface
water. Ditch in grading will not take care of all the area in
question, another problem lie in the area of standing water
located in the front of these house. The front of the problem
is that the land form by the bank owner is much lower than
the land adjacent to them. This farmer opposes to land
always affected and may have been made worse opinion by the
answer once being fulfilled.

With friend this our health problem exists
and the after suggestion can only be healthy consideration
instead a healthy problem arise.

Sanitary and amen able person in future.

Date Abated 4/14/14 By C. Paganino
<table>
<thead>
<tr>
<th>Date</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

**REPORT OF INVESTIGATION**

This Wheatfield dump was partly graded but a complete job was not completed. My Ene was to check with Mr. Angelo Zino of Niagara town who was to consult with the job of every dump site.

The owner of Wheatfield town had a dump but when he was asked Mr. Zino wanted to operate and was to load the dump in proper stage when closed.

---

Date Abated: [Date]  
By: [Signature]
Name: Mr. DeMarco
Address: 37 Fisher Ave.
Location: N. Tonawanda
Request: Water on lot.

Date: 4/11/69 Code: 82 A2

REPORT OF INVESTIGATION

Date Hours
4/11 3:00

Driveway water has collected on the rear portion of the lot due to the fact that the land is low. The driveway dump also found on the rear of lot in extension (37 Fisher Ave.) and also is low in same to service hydrant and small pond has been found which is mostly located on the driveway but does extend to the rear of lot.

4/11 4:00

During checking the other lots that are to the left and right of Mr. DeMarco, I found that they are also under water to varying degrees. This was caused by surface water and due to the fact that a low order valley exists plot of house and field drain main.

Date Abated: 4/11/69 By: A. Tommaseo
<table>
<thead>
<tr>
<th>Date</th>
<th>Hours</th>
</tr>
</thead>
</table>

**REPORT OF INVESTIGATION**

Inspection of the Town of Whatfield dump site revealed that approx. 40% of the area had been graded with soil and no exposed garbage was found. On the site were found: 1 Pile of wood pile limits covering an area of approx. 20' x 20' by 10' in height; 1 Pile of 6 somewhat scattered old cans and jars, 1 Pile of 3 somewhat scattered cans of battery casing, and 1 Pile of mixed wood and battery casing. Entrance to the site was barred by means of a chain running across the approach road. A total of 16 signs were found around the dump site proper stating: Property of the Town of Whatfield No Trespassing. For exact locations of上述 areas consult map on following page.

Date Abated: 3/3/19

By: [Signature]
This entire area is all residential.
## REPORT OF INVESTIGATION

DUMP CLOSED

Not in Compliance With:

Chapter 1 State Sanitary Code, Part 19.3
section 4

Date Abated: 8/17/87 By: [Signature]
BUREAU OF SOLID WASTES ENGINEERING AND COMUNITY ENVIRONMENTAL HEALTH

REFUSE DISPOSAL AREA STATUS

Name of refuse disposal area __________ Town of Wheatfield Dump __________

Location __________ Town of Wheatfield - Nash Road __________ T-XX: __________ Niagara __________ County

Operated by __________ Niagara Sanitation, Inc. __________

1. Does open burning occur routinely or periodically?    Yes ___ No X __

   If yes, has a written exemption for the burning been granted?    Yes ___ No ___

2. Does deposited refuse, or leachings from it, result in apparent contravention of water quality standards?    Yes ___ No X __

3. Is deposited refuse usually confined to an effectively controlled area?    Yes X ___ No ___

   If not, has a written exemption been granted to the operator?    Yes ___ No ___

4. Is deposited refuse normally compacted and covered with suitable material within 24 hours?    Yes X ___ No ___

   If not covered within 24 hours, has a written exemption been granted?    Yes ___ No ___

5. Are effective means taken to control insects and rodents?    Yes ___ No X ___

6. Describe what is being done to bring the operation of this refuse disposal area into compliance with Part 19 (Attach Abatement Schedule) This area will be abandoned soon and all material will be brought to the Niagara County Solid Waste Agency disposal site.

Name and title of person completing this form ______ Date October 1, 1968 ______
September 4, 1968

Mr. Stanley A. Brzezinski
3090 River Road
Niagara Falls, New York

Dear Mr. Brzezinski:

Since the Niagara County Solid Waste Agency is now in limited operation on their site in the Township of Wheatfield—City of North Tonawanda, it is respectfully requested that your board contact their Assistant Director, Mr. Webster, so that arrangements may be made to use the County's facilities, thereby enabling you to discontinue the use of your present disposal site.

We would then hope and trust that immediate action would be taken to rehabilitate your present disposal site by completing the necessary cover and final grading.

In view of our mutual interest in this problem, we would appreciate being kept advised on the circumstances of this situation.

Yours very truly,

W. M. Friedman
Assistant Commissioner for Environmental Health

WMP: ms

cc: Mr. Bert J. Murphy, Supervisor
North Tonawanda
Mr. Stanley Z. Przesinski, Supervisor
Town of Wheatfield
2000 River Road
Niagara Falls, New York

Re: Wheatfield Town Disposal Site
Town of Wheatfield

Dear Mr. Przesinski:

On September 26, 1968, the writer made an inspection of the above disposal site at which time he was accompanied by and interviewed your operator, Mr. Ziro. While we are pleased with the improvements affected at this site over the past year there now exists unsatisfactory conditions that should be called to your attention.

First, the disposal of domestic refuse is being accomplished in close proximity to the chemical waste recently buried here. This not only makes possible the exposure of the wastes to the atmosphere but is also resulting in considerable difficulty in the proper burial of the refuse. The area where the chemical waste has been buried should be covered to keep heavy equipment away from this location.

Considerable industrial and urban renewal wastes are being disposed of on this property with no attempt at burial. Since these contain a considerable amount of domestic garbage and considerable fly-breeding has been taking place, we must request your cooperation in having these wastes buried in accordance with the State Sanitary Code.

We would call your attention to our letter of September 4, 1968 requesting that you make arrangements with the County Solid Waste Agency to dispose of all refuse at the County Site, so that the town disposal site may be discontinued and the necessary final cover and grading effected.

Very truly yours,

W. G. Friedman, P.E.
Assistant Commissioner for Environmental Health

W.[...]

CC: B. Murphy
## NEW YORK STATE DEPARTMENT OF HEALTH
### INSPECTION REPORT FOR REFUSE DISPOSAL AREAS

<table>
<thead>
<tr>
<th>NAME OF SITE</th>
<th>LOCATION (T.V.C)</th>
<th>COUNTY</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>OWNER</th>
<th>ADDRESS</th>
<th>PHONE</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>OPERATOR</th>
<th>ADDRESS</th>
<th>PHONE</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DAYS AND HOURS SITE IS OPEN</th>
<th>REFUSE COLLECTORS (NAMES)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>MUNICIPALITIES SERVED</th>
<th>TOTAL AMOUNT OF REFUSE:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CAYS AND HOURS SITE IS OPEN</th>
<th>TOTAL POPULATION PERCENT SERVED</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>TOTAL COLLECTIONS PER WEEK:</th>
<th>SUMMER</th>
<th>WINTER</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>TYPES OF REFUSE:</th>
<th>MIXED</th>
<th>GARBAGE</th>
<th>REFUSE</th>
<th>OTHER</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>TOTAL USEABLE AREA (ACRES)</th>
<th>TYPE OF SOIL AND TOPOGRAPHY</th>
<th>TOTAL AMOUNT OF REFUSE:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DUMPING CONTROLLED BY SIGNS □</th>
<th>FENCING □</th>
<th>SUPERVISION □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>GATE AND LOCK PROVIDED AT ENTRANCE</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>SITE LOCKED WHEN CLOSED</th>
<th>YES □</th>
<th>NO □</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>ATTENDANT ON DUTY WHEN SITE IS OPEN</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DRAINAGE INTERFERES WITH OPERATION</th>
<th>YES □</th>
<th>NO □</th>
</tr>
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<table>
<thead>
<tr>
<th>PAPERS CONFINED TO SITE □</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>SWINE FEED ON DUMP</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>COMPLAINTS FROM PEOPLE IN THE AREA</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>SUITABLE COVER MATERIAL AVAILABLE</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>IS REFUSE ADEQUATELY COVERED</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>COVER MAINTAINED TO PREVENT EXCESSIVE POOLING OF WATER, CRACKING, ETC.</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>APPROACH ROAD PASSABLE TO TRAFFIC ALL YEAR</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CONTROL MEASURES FOR RODENTS AND INSECTS</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>HAZARD CREATED BY INDUSTRIAL WASTE DISPOSAL</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>LEACHING TO A WATERCOURSE</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>FLOATING SOLIDS IN A WATERCOURSE</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DUMPING CONFINED TO A STRIP</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>SALVAGING PERMITTED</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>SCAVENGER WASTE PERMITTED</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>BURNING PRACTICED</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>BURNED IN SPECIAL AREA AWAY FROM DUMP</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>TYPE OF MATERIAL BURNT</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DEPTH OF COVER:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>TYPE OF COVER:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>METHODS OF CONTROL:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>FREQUENCY OF COVER:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>FREQUENCY AND TIME OF BURNING:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>ADEQUATE EQUIPMENT AVAILABLE TO MAINTAIN DISPOSAL AREA</th>
<th>YES □</th>
<th>NO □</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DESCRIBE TYPE AND NUMBERS:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>EXEMPTIONS GRANTED BY FULL-TIME HEALTH OFFICER:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>INSPECTED BY (SIGNATURE)</th>
<th>PERSON INTERVIEWED</th>
<th>DATE</th>
</tr>
</thead>
</table>

*STATE DETAILS UNDER REMARKS

FORM 242 (REV. 9/68)
Mr. W. M. Friedman, P. E.
Asst. Commissioner for Environmental Health
Niagara County Health Department
525 Dewley Building
Lockport, New York 14090

Dear Mr. W. M. Friedman, P. E.

Subject: Chemical Waste Disposal
Township of Wheatfield

In reference to your letter of May 6, 1968, where you requested assurance that there was no garbage or refuse in our proposed dump site this office has the following comments:

A.) On May 16, 1968, our District Soils Engineer sent you copies of the four (4) explorations in the Town of Wheatfield dump area, these borings show no garbage or refuse in our proposed dump area.

B.) Finished grades will be in accordance with the plans submitted by Krehbiel, Guay, Rugg & Hall and under the supervision of the State of New York.

Very truly yours,

Joseph P. Cain
Engineer-in-Charge
N.Y.S. Dept. of Trans.

cc. Mr. Norman W. Krapf
Mr. Herbert Goodkind
Mr. Vincent S. Bogren
File
City of Niagara Falls  
LaSalle Expressway, Sect. I  
Niagara County  
May 16, 1968

Mr. William Friedman  
Niagara County Health Department  
Lockport, New York

Dear Sir:

At the request of Mr. Joseph Cain, Engineer-In-Charge of the above project, state drilling forces have progressed four (4) explorations in the Town of Wheatfield dump area at the site of the proposed chemical waste disposal location.

The soils material at the disposal elevations appears to be a highly plastic glacial till, highly impervious. Atterberg Limit tests run on representative samples place the Liquid limit at approx. 43% with a Plastic Index of about 23.

The Silt-Clay is highly impervious to the flow of water and should be an acceptable dump area.

The boring logs of our drill holes as well as a location plan of same is attached.

Very truly yours,

By

Peter Nowadly  
District Soils Engineer

PN:rd

CC: Mr. K. L. Reitmeier  
Mr. J. P. Cain  
District Office File  
Soils Lab File
<table>
<thead>
<tr>
<th>CASING O.D.</th>
<th>I.D.</th>
<th>WEIGHT OF HAMMER</th>
<th>CASING SAMPLER O.D.</th>
<th>SAMPLER I.D.</th>
<th>WEIGHT OF HAMMER</th>
<th>CASING LENGTH</th>
<th>SAMPLER INSIDE LENGTH</th>
<th>DATE, START</th>
<th>SURF. ELEV.</th>
<th>DATE, FINISH</th>
<th>DEPTH TO WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>300#</td>
<td>2&quot;</td>
<td>1-3/8&quot;</td>
<td>300#</td>
<td>20&quot;</td>
<td>20&quot;</td>
<td>5-10-68</td>
<td>578.5</td>
<td>5-10-68</td>
<td>see note</td>
</tr>
</tbody>
</table>

**Description of Soil and Rock**

<table>
<thead>
<tr>
<th>BLOWS ON SAMPLER</th>
<th>CROSS SECTION MOISTURE</th>
<th>COLOR</th>
<th>DESCRIPTION OF SOIL AND ROCK</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>M Br</td>
<td>Silt, some clay, tr. of organic matter, fine sand &amp; sanitary fill material</td>
<td>(FIRM)</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>M Br</td>
<td>Silt, some clay, tr. of sanitary fill material</td>
<td>(FIRM &amp; PLASTIC)</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>M Br</td>
<td>Silt, some clay, tr. of fine sand</td>
<td>(VERY SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>M Br</td>
<td>Silt, some clay</td>
<td>(VERY SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td>M Br</td>
<td>Silt, some fine sand, tr. of fract. stone &amp; clay</td>
<td>(HARD)</td>
</tr>
<tr>
<td>35</td>
<td></td>
<td></td>
<td>Bottom of Hole</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks**

- Silt, some clay, tr. of organic matter, fine sand & sanitary fill material
- Silt, some clay, tr. of sanitary fill material
- Silt, some clay, tr. of fine sand
- Silt, some clay
- Same
- Silt, some fine sand, tr. of fract. stone & clay
- Bottom of Hole

**Note:**

- Gnd. to Water:
  - 3' at 3'
  - Non-evident at 36'

---

The subsurface information shown hereon was obtained for state design and estimate purposes. It is made available to bidders only that they may have access to identical information available to the state. It is presented in good faith, but is not intended as a substitute for investigation, interpretation or judgment of the bidder.

**Drill Rig Operator:** S. Bauer

**Soil Descriptions:** J. R. Zieziula

**Rock Descriptions:**

**District Soil Engr.:** P. Nowadly

**Hole No.:** DH #1

---

**Form SM 282b (6/86)**
<table>
<thead>
<tr>
<th>DEPTH</th>
<th>BLOW</th>
<th>WEIGHT</th>
<th>CASING</th>
<th>SAMPLER</th>
<th>DESCRIPTION OF SOIL AND ROCK</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td></td>
<td>W Blk</td>
<td>W Blk</td>
<td>Organic Matter with fine sand, tr. of silt &amp; clay</td>
<td>(VERY LOOSE)</td>
</tr>
<tr>
<td>5</td>
<td>2 4 5</td>
<td></td>
<td>M Blk</td>
<td>M Blk</td>
<td>Silt, some clay, tr. of fine sand &amp; organic matter</td>
<td>(FIRM)</td>
</tr>
<tr>
<td>10</td>
<td>3 3 2</td>
<td></td>
<td>W Br</td>
<td>W Br</td>
<td>Fine sand, some silt &amp; clay</td>
<td>(LOOSE)</td>
</tr>
<tr>
<td>15</td>
<td>4</td>
<td></td>
<td>#41 Br</td>
<td>#41 Br</td>
<td>Silt, some clay, tr. of fine sand &amp; fract. stone</td>
<td>(VERY SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>20</td>
<td>5 1 1</td>
<td></td>
<td>#43 Br</td>
<td>#43 Br</td>
<td>Same</td>
<td>(VERY SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>25</td>
<td>6</td>
<td></td>
<td>W Br</td>
<td>W Br</td>
<td>Fine sand, some silt &amp; clay, tr. of fract. stone</td>
<td>(VERY LOOSE)</td>
</tr>
<tr>
<td>30</td>
<td>7 2 26</td>
<td></td>
<td>M W</td>
<td>M W</td>
<td>Coarse sand, some silt, tr. of clay, fine sand &amp; round stone</td>
<td>(VERY COMPACT)</td>
</tr>
<tr>
<td>35</td>
<td>8 41</td>
<td></td>
<td>#31 Br</td>
<td>#31 Br</td>
<td>Silt, some clay &amp; fine sand, tr. of fract. stone (HARD &amp; SEMI-PLASTIC)</td>
<td>Bottom of Hole</td>
</tr>
</tbody>
</table>

NOTE: Gnd. to Water: 4' at 4' Non-evident at 36.5'
# Subsurface Exploration Log

## Town of Wheatfield Proposed Chemical Waste Dump Area

### State of New York

- **District No.:** 5
- **County:** Niagara
- **B.S.M. Proj. No.:** 5-091
- **Project:** LaSalle Arterial Hwy, Section 1

### State of New York

- **District No.:** 5
- **Line & Sta.:** see attached
- **Offset:** see attached

### District Soils Engr.

- **P. Novakly**

### Drill Rig Operator

- **S. Bauer**

### Soil Descriptions

- **J. R. Zieziula**

### Rock Descriptions

### District Soils Engr.

- **P. Novakly**

### Sheet 1 of 1

## Log Details

- **Date, Start:** 5-10-68
- **Surf. Elev.:** 577.4
- **Date, Finish:** 5-10-68
- **Depth to Water:** see note

### Casing Details

- **Casing O.D.:** 2" I.D. 1-3/8
- **Sampler O.D.:** 0.0 2"

### Blows on Casing

<table>
<thead>
<tr>
<th>Depth</th>
<th>Blows on Casing</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0/6 1/12 1/18 1/24</td>
</tr>
</tbody>
</table>

### Sampler Details

- **Weight of Hammer:** 300# 360# 420# 460# 540# 572# 567# 562# 547# 542#

### Inside Length of Sampler

- **20"**

### Casings

- **Samplers 8"**

### Description of Soil and Rock

<table>
<thead>
<tr>
<th>Depth</th>
<th>Blows on Sampler</th>
<th>Moisture</th>
<th>Color</th>
<th>Description of Soil and Rock</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0/6 1/12 1/18 1/24</td>
<td>W</td>
<td>Br</td>
<td>Fine sand, tr. of silt &amp; clay</td>
<td>(LOOSE)</td>
</tr>
<tr>
<td>5</td>
<td>2 2 3 5</td>
<td>M W</td>
<td>Br</td>
<td>Silt, some clay, tr. to some fine sand</td>
<td>(SOFT)</td>
</tr>
<tr>
<td>10</td>
<td>3 2 2 3</td>
<td>42.0 Br</td>
<td>Red</td>
<td>Silt, some clay, tr. of fine sand</td>
<td>(SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>15</td>
<td>4 1 1</td>
<td>36.0 Br</td>
<td></td>
<td>Silt, some clay, tr. to some fine sand</td>
<td>(VERY SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>20</td>
<td>5 wt 1</td>
<td>39.3 Br</td>
<td></td>
<td>Same</td>
<td>(VERY SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>25</td>
<td>6 wt 6 wt wt wt</td>
<td>33.7 Br</td>
<td></td>
<td>Same</td>
<td>(VERY SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>30</td>
<td>7 wt wt wt wt</td>
<td>43.1 Br</td>
<td></td>
<td>Silt, some clay</td>
<td>(VERY SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>35</td>
<td>8 8 9 21</td>
<td>32.9 Br</td>
<td></td>
<td>Silt, some clay, tr. of fine sand &amp; fine sand</td>
<td>(STIFF &amp; PLASTIC)</td>
</tr>
</tbody>
</table>

**Bottom of Hole:** 540.9

**Note:** Gnd. to Water:
- 2.5' at 2.5'
- Non-evident at 36.5'

---

The subsurface information shown hereon was obtained for state design and estimate purposes. It is made available to bidders only that they may have access to identical information available to the state. It is presented in good faith, but is not intended as a substitute for investigations, interpretation or judgment of the bidder.

---

**Form SM 282-D (6/66)**
# Subsurface Exploration Log

## Project Information
- **Location**: LaSalle Arterial Hwy, Section I
- **Date**: Start 5-10-68
- **Surface Elev.**: 578.1
- **Weight of Hammer**: 300 lbs
- **Hay Speed**: 2.0 mph

## Soil and Rock Descriptions

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Sample No.</th>
<th>Blows on Sampler</th>
<th>Cross Section</th>
<th>Description of Soil and Rock</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>2,3</td>
<td>Blk</td>
<td>Silt, some clay &amp; fine sand</td>
<td>(SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>2,4</td>
<td>Blk</td>
<td>Fine sand, some silt, tr. of organic matter</td>
<td>(LOOSE)</td>
</tr>
<tr>
<td>10</td>
<td>3</td>
<td>3,5</td>
<td>Blk</td>
<td>Silt, some clay, tr. of fine sand</td>
<td>(FIRM &amp; PLASTIC)</td>
</tr>
<tr>
<td>15</td>
<td>4</td>
<td></td>
<td>Blk</td>
<td>Same</td>
<td>(VERY SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>20</td>
<td>5</td>
<td>1,1</td>
<td>Blk</td>
<td>Same</td>
<td>(VERY SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>25</td>
<td>6</td>
<td>1,1</td>
<td>Blk</td>
<td>Same</td>
<td>(VERY SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>30</td>
<td>7</td>
<td>1,1</td>
<td>Blk</td>
<td>Same</td>
<td>(VERY SOFT &amp; PLASTIC)</td>
</tr>
<tr>
<td>35</td>
<td>8</td>
<td>1,2</td>
<td>Blk</td>
<td>Silt, some clay, tr. to some fine sand &amp; fract. stone</td>
<td>(HARD &amp; SEMI-PLASTIC)</td>
</tr>
<tr>
<td>40</td>
<td>9</td>
<td>1,2</td>
<td>Blk</td>
<td>Silt, some fine sand, tr. to some fract. stone, tr. of clay</td>
<td>(HARD)</td>
</tr>
</tbody>
</table>

**NOTE**: Gnd. to Water: 3' at 3' below Bottom of Hole

---

**The Subsurface Information Shown Herein Was Detained For State Design and Estimate Purposes. It Is Made Available to Bidders Only That They May Have Access To Identical Information Available to the State. It Is Presented In Good Faith, But IS NOT INTENDED As A SUBSTITUTE FOR Investigations, Interpretation Or Judgment of the Bidder.**

---

**Drill Rig Operator**: S. Bauer

**Soil Descriptions**: J. R. Zieziula

**Rock Descriptions**: P. Nowadly

**District Soils Engr.**: DH #4

**Form SM 2825 (6/66)**
# New York State Department of Health

## Inspection Report for Refuse Disposal Areas

**Name of Site**: 

**Location (V.C.)**: 

**County**: 

**Owner**

**Address**

**Phone**

**Operator**

**Address**

**Phone**

**Days and Hours Site is Open**

**Municipalities Served**

**Refuse Collectors (Names)**

**Total Population** | **Percent Served**
---------------------|------------------

**Collections per Week**: 

<table>
<thead>
<tr>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>2</td>
</tr>
</tbody>
</table>

**Types of Refuse**: 

- Mixed [ ]
- Garbage [ ]
- Refuse [ ]
- Other [ ]

**Total Usable Area (Acres)**

<table>
<thead>
<tr>
<th>Type of Soil and Topography</th>
</tr>
</thead>
</table>

**DUMPING CONTROLLED BY SIGNS** [ ]

**DUMPING CONTROLLED BY FEWING** [ ]

**DUMPING CONTROLLED BY SUPERVISION** [ ]

**Approach Road Passable to Traffic All Year**

**Gate and Lock Provided at Entrance** YES [ ] NO [ ]

**Site Locked When Closed** YES [ ] NO [ ]

**Attendant on Duty When Site is Opened** YES [ ] NO [ ]

**Drainage Interfered with Operation** YES [ ] NO [ ]

**Papers Confined to Site**

**DOSWEE FEED ON DUMP** YES [ ] NO [ ]

**Complaints from People in the Area**

**Suitable Cover Material Available**

**Is Refuse Adequately Covered** YES [ ] NO [ ]

**Cover Maintained to Prevent Excessive Pooling of Water, Standing, etc.** YES [ ] NO [ ]

**Depth of Cover**

**Type of Soil and Topography**

**Approach Road Passable to Traffic All Year**

**Control Measures for Rodents and Insects** YES [ ] NO [ ]

**Hazard Created by Industrial Waste Disposal** YES [ ] NO [ ]

**Leaching to a Watercourse** NO [ ] YES [ ]

**DUMPING CONFINED TO A STRIP**

**DUMPING CONFINED TO A SITE**

**DUMPING CONFINED TO A STRIP**

**DUMPING CONFINED TO A SITE**

**Burning Practiced** YES [ ] NO [ ]

**Burned in Special Area Away From Dump**

**Type of Material Burned**

**Depth of Cover**

**Methods of Control**

**Frequency of Cover**

**Frequency and Time of Burning**

**Adequate Equipment Available to Maintain Disposal Area** YES [ ] NO [ ]

**Describe Type and Numbers**

**Fire Protection Available** YES [ ] NO [ ]

**Describe**

**Precautions Taken to Prevent Fire**

**Methods of Disposal of Large Items (Furniture, Tanks, Appliances, Stumps, etc.)**

**Exemptions Granted by Full-Time Health Officer**

**Inspected by**

**Person Interviewed**

**Date**

*State Details Under Remarks*

S.A. 242 (Rev. 9/65)
Niagara Sanitation Disposal Area #2
Town of Wheatfield Dump
Nov 16, 1967
R. Maida
May 6, 1968

Mr. Joseph P. Cain
Engineer-in-Charge
New York State
Department of Transportation
Field Office
335 - 77th Street
Niagara Falls, New York 14304

Dear Mr. Cain:

Subject: Chemical Waste Disposal
Township of Wheatfield

This will confirm my phone conversation of May 3, 1968, relative to the above subject. Before this office could consider approval of the disposal of this chemical solid waste into the Town of Wheatfield disposal area, we would have to be assured that:

a. No garbage or refuse has been disposed of in the immediate area proposed for this chemical waste.

b. Finished grades would be in accordance with the plans submitted by the office of Krehbiel, Guay, Rugg, and Hall, and under their supervision.

Very truly yours,

W.M. Friedman, P.E.
Assistant Commissioner
for Environmental Health

WMF/cb
Mr. Milton Hassley
Hassen Trucking Co.
10335 Lockport Road
Niagara Falls, N.Y.

Dorothy

Dear Sir:

This letter will confirm your telephone conversation with Mr. Michael Pocock of this department on Tuesday, December 26, 1967, at which time you were told to immediately cease dumping industrial waste at the Town of Wheatfield refuse disposal site.

No additional dumping will be allowed at this site until compliance with Section 19, Chapter 1, New York State Sanitary Code and Chapter IV, Niagara County Sanitary Code, can be achieved. All industrial waste presently accumulated on the surface of the ground at the northeast sector of the disposal site must be properly compacted and covered with six (6) inches of satisfactory cover material. Furthermore, sufficient cover material is to be stockpiled at the disposal site to maintain a constant six (6) inches of cover material and provide a final compacted cover of at least two (2) feet, which shall be placed within one week after the final deposit of refuse at any portion of the disposal site. In addition, your firm should make arrangements with the Town of Wheatfield to have the disposal site prepared in advance to accept all future loads of waste. This would include a prepared trench to dump into and adequate earth-moving equipment to immediately compact and cover the material.

On October 17, 1967, you were notified by this office that your application for permit to transport offensive material and proposed disposal site could not be approved. Therefore, you are illegally operating in the refuse disposal business in Niagara County. You should immediately re-submit your application for a permit and this application must include all proposed disposal sites that you will be using in Niagara County. These will be inspected by the Health Department staff to insure that each proposed disposal site meets the requirements of the sanitary code. You will not be allowed to dump at any location in the county that has not been approved as an acceptable, properly operated disposal site.

Effective immediately you must discontinue the practice of transporting and disposing of offensive material in Niagara County until you have obtained the required permit to provide this service.
Mr. Ernest R. Gedoon, Chief - Bureau of Air Pollution Control
Niagara County Health Department
City Hall of Niagara Falls
Niagara Falls, New York

May 1, 1968

Dear Sir:

Reference is made to a chemical waste material located at Frontier Avenue near 99th Street on the above captioned project.

On April 23, 1968, Mr. Fred Lemke, Peace Justice Town of Wheatfield, Mr. Stanley Brzinski, supervisor Town of Wheatfield, Mr. F. O. Carthoff, project manager for Stimma Associates and myself visited the Town of Wheatfield dump located East of Nash Road in the Town. The two Board members were receptive of disposing this chemical waste in the Northeast corner of the dump.

We propose to excavate a hole some 25' to 27' in depth and dispose of this chemical waste. The top of this waste will be some 3' to 5' (feet) below any and all sanitary sewer, water line, septic tanks etc. The size of the hole may vary in length and width depending upon the amount of chemical waste we must dispose of. The amount of chemical waste is approximately 1,000 c.y. from our test holes but may vary when actual excavation commences. After the chemical waste is placed it will be backfilled with the excavated material to finish grade. The excess material will be spread in the immediate surrounding area to correct a low spot in the dump.

Enclosed are the following drawings for you information:

1.) Drawing #67-K-03D - Titled Refuse Disposal Area - Town of Wheatfield prepared by Krehbiel, Huffcut, Walters & Guay dated June 1967. In the upper right hand corner I have plotted in green our proposed dump area with a section showing elevations.

2.) Boring locations in this area with copies of the soil boring results.

3.) One (1) drawing each of nearby residence and water line in the general area.
Continued - Disposal of Chemical Waste

Project: Fac 67-15, FALSE 67-1
LaSalle Arterial Highway
Section I Niagara County

4.) One (1) copy of drawing No. 5641-G prepared by Krehbiel and Krehbiel of the Bell Air Subdivision just south of the Town of Wheatfield dump. This drawing shows elevation of the first floor and surrounding area.

Kindly advise this office of your decision in the matter so that this chemical waste can be disposed of as quickly as possible.

Very truly yours,

Joseph P. Cain
Engineer-in-Charge
N.Y.S. Dept. of Trans.

JPC/jnw

Encls.

cc. Mr. Norman W. Krapf
   Mr. F. O. Garthoff
   Mr. Vincent Bogren
   File

Address reply to:
Mr. Joseph P. Cain
Field Office
355 - 77th Street
Niagara Falls, New York 14304
Mr. Hilton Ramsey  

December 27, 1967

Please call this office if we can offer any assistance to you in this matter.

Very truly yours,

Ernest R. Sisson
Associate Public Health Sanitarian

cc:
Carbonized -
Coated Abrasives Division
Bell Aerosystems
Town of Wheatfield
November 1, 1967

Mr. Hugo S. Evans
1868 Niagara Falls Blvd.
Tonawanda, New York

Attention: A. H. Kent English

Re: Proposed Fill and Grading
Township of Wheatfield
Disposal Area

Dear Mr. English:

Enclosed is an approved copy of the plans submitted by you for
the proposed cover and grading on the Township of Wheatfield Disposal
Site. We trust that the township will carefully follow the proposed
grades and that the necessary work will be accomplished without any
unnecessary delay.

We would also request that you furnish the City of North
Tonawanda Engineering Department with a copy of this plan so that they
may take appropriate steps to solve any drainage problems with the
City.

Very truly yours,

W. H. Friedman, P.E.
Assistant Commissioner for
Environmental Health

enc/eg

Enclosure

CC: Mr. Bert J. Murphy
    Mr. Hardleben
October 30, 1967

Niagara County Health Department
525 Bewley Building
Lockport, New York

Attention: Mr. W. M. Friedman, P. E.

Re: Town of Wheatfield
Disposal Area Grading

Dear Mr. Friedman:

Enclosed, for your approval, are three (3) prints of the proposed grading for the Town of Wheatfield Disposal Site adjacent to the City of North Tonawanda.

Very truly yours

KREHBIEL-GUAY-RUGG-HALL

R. Kent English
R. Kent English

RKE/mz
Enclosures
cc: Mr. Winston Moeller
    Mr. Stanley Brzezinski
Attention: Mr. Guay

Dear Jim:

In accordance with our telephone conversation of October 3, 1967, I am returning the grade plans for the Wheatfield Town Dump. It would appear that, while you have given ample attention to the grade, the matter of proper cover has not been taken into account. We will, therefore, appreciate your reviewing this matter and advising us accordingly.

Very truly yours,

W.M. Friedman, P.E.
Assistant Commissioner
for Environmental Health

WMF/cs
Enclosure
September 25, 1967

Niagara County Department of Health  
Bewley Building  
Lockport, New York

Attention: Mr. William Friedman

Dear Mr. Friedman:

Enclosed are three (3) prints of the grading proposed for the Town of Wheatfield Disposal Area adjacent to the City of North Tonawanda. We would like your approval of this before proceeding with the work.

Listed below are the industrial establishments which we have contacted with respect to the comprehensive sewerage study for Wheatfield, Pendleton, Cambria and Lewiston.

- New York State Power Authority
- Greif Brothers Cooperage
- Bell Aerosystems
- Carborundum Company - Coated abrasives
- Carborundum Company - Graphite Products
- Continental Can Company
- Frontier Chemical Process Inc.
We have received replies from all of these except for Frontier Chemical. For each we have annual water consumptions, estimated polluted discharges, and general information as to type of pollutants. In addition we have contacted the military installations in the area, --

Niagara Falls Air Force Base
Lockport Air Force Base (Shawnee Road)
U.S. Army Nike Site (Upper Mountain Road)
and have reviewed the operating records of each of these installations.

Do you have any further information regarding these industries and the military which might be helpful to us?

Very truly yours

KREHBIEI-GUAY-RUGG-HALL

Richard K. English

RKE/mew

67 K 03
July 26, 1967

Mr. Paul Humbold, Mayor
City Hall
North Tonawanda, New York

Dear Hon. Humbold:

Reference is made to the attached letter to the Township of Wheatfield relative to improvements in their refuse disposal site. Since the City of North Tonawanda is apparently not interested in jointly solving the drainage problems on the City-Town Line at the rear of the Forbes Circle properties, it is assumed that the Township of Wheatfield will proceed independently on this problem and that the City of North Tonawanda will do likewise.

Very truly yours,

W. H. Friedman, P.E.
Assistant Commissioner
for Environmental Health

WKF...cg
Enclosure

CC: James Guay
CC: Town of Wheatfield
July 25, 1967

Mr. John Brzezinski, Supervisor
2080 River Road
Niagara Falls, New York

RE: Wheatfield Town Disposal Site

Dear Mr. Brzezinski:

This will confirm the results of a conference and an inspection of the Wheatfield Town Disposal Site on July 21, 1967. Present were Supervisor Brzezinski, Justice Lameke, Town Engineer James Guay, and the writer. The purpose of this inspection and conference was to review the topographic map of the site recently completed, determine necessary filling and grading, and attempt to devise a suitable plan of draining the boundary line between the Township of Wheatfield and the North Tonawanda City Line. For this latter purpose, the officials of the North Tonawanda City Engineer Department had been invited to attend but they were apparently not interested in participating. It is therefore assumed that the City of North Tonawanda will proceed independently to provide adequate drainage for the rear lot lines of the residential properties abutting this disposal site.

It was agreed at this conference that sufficient additional fill would be provided over this general area of the disposal site to insure a total of at least two feet of compacted fill being placed over the original refuse. The property will be graded to the north and northeast and seeded to vegetation. This should minimize any odors or drainage problems on this site.

May we once again express our appreciation for the cooperation you have extended to us in these matters.

Very truly yours,

W. H. Friedman, P.E.
Assistant Commissioner for Environmental Health

W.H. ....cg

CC: James Guay
CC: City of North Tonawanda
Dr. Dudley A. Hill, Commissioner
Niagara County Health Department
7th Windermere Road
Lockport, New York

Dear Dr. Hill:

We enclose herewith a copy of a communication sent to the North Tonawanda Common Council and read before the same on June 19, 1967. In addition, we enclose a copy of the resolution which the Common Council took following presentation of the aforementioned letter.

"MOVED by Alderman Hogan    SECONDED by Alderman Butcheri That the Common Council herewith authorizes and directs the Office of the City Clerk to send copies of the aforementioned letter to the following: Dr. Dudley Hill, Commissioner of the Niagara County Health Department, the Niagara County Board of Supervisors, the Town Board of the Town of Wheatfield, and North Tonawanda Supervisor Bert Murphy. Furthermore, Dr. Hill is requested to reply and indicate what steps are being undertaken to alleviate this potentially dangerous condition. CARRIED."

Very truly yours,

Charles W. Hobbs, Sr.
CITY CLERK

CWH/sg
Encl.
Gentlemen:

May I bring to your attention a pressing problem concerning the residents of Forbes Street and Terrace. The Town of Wheatfield Dump bordering this area is a hazard to the lives of the children living here.

This dump contains among other things, large unprotected water holes. There are copies of letters to Messrs. Brzinski and Rumbold enclosed that pertain to an experience in this dump with my own son.

The Building Inspector of Wheatfield has explained to me that below ground swimming pools in that town must be enclosed by a proper fence with a lockable gate. It seems to me that large water holes represent as much a hazard to children as do swimming pools. If the Wheatfield Dump cannot be filled and closed, it should be surrounded by a proper fence. (i.e. A high chain link fence as is used in Buffalo dumps. Not a snow fence that can fall over or blow over, and is not intended to be used for a protective fence.)

The ideal solution to this problem is to close this dump, after the water holes have been filled and the land graded properly.
Besides the afore mentioned hazard this dump breeds vermin, gives an offensive odor and is graded in such a way that it drains from winter snow and spring rain onto my land leaving a 20 to 30 ft. diameter pond that becomes stagnant and stays until June.

Please act on this problem before a child is killed.

Sincerely yours,

George Gaesser
22 Forbes Terrace
N. Tonawanda, New York

Encl.
April 18, 1967

Mr. Stanley A. Brzezinski
Supervisor, Town of Wheatfield
2080 River Road
Niagara Falls, New York

Re: Town Refuse Disposal
Wheatfield Town

Dear Mr. Brzezinski:

On April 7, 1967, and again on April 13th, inspections were made of the Town of Wheatfield Disposal Site.

We were extremely gratified to note the tremendous improvement in this operation during the past few months. Garbage and refuse is presently being confined to a limited working area and is being properly covered after each days operation. We should like to take this opportunity to both thank and congratulate your operator Mr. Zino for his cooperation.

We are, however, still concerned over the results of past operational defects, especially in the area to the rear of the Forbes Circle residences. As a result of inadequate cover, more and more refuse is being exposed on the ground surface. Also, because of inadequate grading, an aggravating surface drainage problem has resulted. Both of these conditions were pointed out in our letter of October 3, 1966.

When ground conditions are such as to permit working in this problem area, it is respectfully requested that the required two feet of cover material be provided over this refuse. Proper grading with a minimum slope of 0.5% should be provided to eliminate the many puddles of standing water. With respect to the property line between the disposal site and the residences, the solution might be either a drainage ditch or a storm drain. In any event, it is suggested that perhaps your
Superintendent of Highways should confer with the City of North Tonawanda Engineer so that a mutually satisfactory system could be developed.

We appreciate your cooperation in these matters and trust that we will be kept advised of all action taken or contemplated.

Very truly yours,

W. M. Friedman, P.E.

MMF...Iam

Mrs. D'Marco
32 Forbes Terrace
N.Tonawanda

Burt Murphy

Mr. Hardleben-City Engineer

Mr. Cvetan
October 3, 1966

Mr. Stanley A. Brzezinski  
Supervisor, Town of Wheatfield  
2080 River Road  
Niagara Falls, New York

Re: Town Refuse Disposal  
Township of Wheatfield

Dear Mr. Brzezinski:

On September 12, 1966 our Mr. Friedman met with you, Judge Lamke, and Mr. Angelo Zino of the Niagara Sanitation Company, relative to your refuse disposal site and to discuss the problems being encountered in Mr. Zino's disposal operation. It was pointed out by Mr. Friedman that Part 19 of the New York State Sanitary Code has for the operation of a sanitary land fill, three basic requirements or objectives.

1. That garbage and refuse shall be compacted and covered daily with a compacted layer of at least six inches of suitable cover material.

2. A final compacted cover of at least 2 feet of a suitable cover material shall be placed within one week after the final deposit of refuse at any portion of such refuse disposal area.

3. The final cover material shall be properly graded with a minimum slope of 0.5% (preferably 1.0%) so as to provide accurate surface drainage.

During the September 12 conference, Mr. Zino agreed to comply with all applicable rules and regulations, and summarize his proposed actions, including the effective covering and grading of the completed portions of the refuse area.
We are gratified to note that Mr. Zino has in fact greatly improved operations since this September 12th meeting. Since then all refuse has been effectively covered with a minimum of 6 inches of compacted earth, except for one minor mechanical breakdown during the past week which was immediately corrected. We assume that when Mr. Zino relocates to a new area the area now being worked will be covered with the two feet of compacted fill as required. It was also noted that since September 12th an extra bulldozer and an extra man have been made available to the site supplementing the original bulldozer and operator. We are, however, experiencing a little anxiety over the fact that no actual corrective action has been taken upon the completed areas, to provide cover and proper grading for surface drainage. While we do not doubt Mr. Zino's intentions in this matter we would greatly appreciate receiving some written confirmation of his plans so that we may more definitely satisfy the complainants that are occasionally contacting us requesting future action in this matter.

Since the winter weather will soon be upon us, making the grading problems more difficult we would appreciate hearing from Mr. Zino within the next 10 days so that we may be reassured remedial work will be well underway by the 1st of November.

Again, let me express my sincere appreciation for your splendid cooperation in this matter.

Very truly yours,

Dudley A. Hill, M. D.
Commissioner

DAH:mb

CC: Mr. Angelo Zino
August 29, 1966

Report on Wheatfield Dump:

At 9:15 a.m. I made a routine inspection of the Wheatfield dump in accordance with instructions to keep a daily vigil. The operator of the bulldozer was spreading some dirt cover over an area that had already been covered and graded. This particular section looked very good.

Directly to the rear of the present work site and adjacent to the swamp area was a sizable amount of brush and debris; paper, magazines, chairs, bottles, jars, etc. dumped right on the ground in an area that was already covered. I asked him where it had come from and why it had been dumped there. He told me that he had purposely left it here for me to see and that it had been dumped there on Saturday. He said that on Saturday just as he was closing the dump a large man driving a brown buick and hauling a trailer filled with brush had approached the gate and said he was going to dump. The operator told him where he must dump and instead of dumping where he should have he dumped right in the center of the cleared area. He was then refused permission to enter the second time with another load. When Joe (operator) refused to open the gate this person, according to Joe, said something not too pleasant and told him he was a taxpayer and he was going to dump and if Joe would not open the gate that he would get a key from Hank Krueger. When Joe returned to the dump on Monday a second load of garbage and junk had been deposited on the exact same spot. There were papers, junk, magazines and assorted pieces of junk littered all over an area approx. 10 x 20 yards.

I left the dump and returned to the office where I discussed the condition with Mr. Popovici. We both returned to the dump after first summoning Mr. Al Zino, owner and operator of the dump, to meet us there. He was instructed to clean the area where the violation took place and also clean up all the junk that had accumulated in several areas.

I later tried to contact Mr. Krueger to inform him of what had happened and to suggest that more stringent controls over the issuance of the keys should be exercised. I also contacted Mr. Stan Brzezinski and informed him of the violation. He told me he would find out all he could about the events leading up to this violation and try to find out who the violator was.
July 12, 1966

Mr. Zico

Mr. Popovic!

Niagara Sanitation Refuse Disposal Area

Please be advised that attached memorandum was received by Dr. Hill on Tuesday, July 12 from Mr. Seebald, Buffalo Regional Engineer.

You are hereby requested to comply with items 1-7.

Particularly, Item 1, we feel at this time a snow fence should be erected at both ends of the lateral cut to prevent children from falling into the ditch. Item 2, oil residual placed on the swamp two weeks ago appears to have disappeared.

Sincerely yours,

Michael Popovic!
Sanitarian

MP.180
To: Dr. Hill - Niagara County Department of Health

From: Mr. Seebald - Buffalo Regional Office

Subject: Town of Wheatfield Refuse Area

I had occasion on July 8, 1966 to view progress at the site of the Wheatfield refuse area. The following is offered for your information:

1. The large excavation at the eastern end of the area is not being used for any purpose. It is much too large for practical cut and fill refuse disposal. At present this excavation presents a proximate hazard to children.

2. There appeared to be little oil residual left on the large garbage-littered swamp to offset mosquito breeding.

3. Recently deposited garbage had not been covered effectively, to obviate burrowing rodents, or to eliminate blowing papers.

4. The bulldozer operator was awaiting a fresh load of refuse and/or garbage, and to accommodate same, had excavated a shallow depression in previously deposited refuse, and accordingly stated that the excavated material would be used to cover the fresh refuse.

5. Attempts at regrading and covering of the easterly end haven't produced an effective final cover.

6. The garbage-littered swamp gave rise to noxious odor conditions.

7. The trenching operation is encroaching on previously buried refuse.

The foregoing prompts the following conclusions and recommendations:

1. The dump operator has not developed a rational plan for dump operation.

2. The equipment operator does not appreciate the philosophies attendant upon proper landfill operation.
3. Steps to minimize nuisance conditions have not been as effective as hoped.

4. An engineering survey by the Town Engineer, a plan for compensating for present deficiencies and for future progressive planned operation, supervised by competent individuals acquainted with sanitary landfill methods is urgently recommended.

It would be most desirable if the County modified its order to the Town, in view of the foregoing, to incorporate the recommendations in the previous paragraph.
From the onset of my involvement regarding the Town of Wheatfield Dump, the following things have been eliminated.

1. The gross misuse of rubbish and trash haphazardly dumped in all sections of the dump.

2. The ditch running the entire length North East of the dump was excavated of old garbage which had probably been laying stagnant for two years and compacted up to the swamp area. This is the extreme North East corner directly behind the Pallotine Fathers.

3. The Pallotine Fathers were extremely happy that this condition was removed from their rear yard area. They have been continuously wafted by odors from this ditch. The area directly behind the homes on Forbes Terrace was filled and graded once, this area still must be filled and graded.

4. The old dump area located between Forbes Terrace and the equipment garage has been rough graded. This fill and grade has not stopped, the odors which persist to omit on wet or damp days. This area was limed on August 31 and must also be covered and finished grade. Our odor problem is coming from this old garbage dump area.

5. The swamp has been oiled several times for the control of mosquitoes.

6. One of our original plans of creating a sanitary strip land fill program in which the ditch had been dug 30 feet wide, 10 feet deep and 300 feet long has been filled. A residue of approximately 1/3 of excess dirt is still piled in this area to be used in the final grading of the North East section of the dumps.
7. The operator is presently burying garbage in a low swale area; this 
operation is insufficient in as much as the ground excavation has not 
been deep enough and compaction has not been carried out, also lack of 
sufficient coverage of dirt on the nightly coverings.

It is noted that this operation has sufficient equipment to institute a 
proper sanitary landfill program, but does not have reliable help. In many instances 
on our inspections, we have noted times when the dozer operator could be working 
in other parts of the dump, he goes to sleep in his vehicle while waiting for 
other loads of garbage to be brought to the dump. His time could be used in 
pushing old trash into the swamp area and general clean up of the ground area. 
It is also noted that salvaging is being permitted. That is, in the past few weeks, 
scavengers have allowed accumulation of small piles of metal junk at several 
points throughout the dump area. This condition existed without pickup for three 
weeks, then on Monday, August 29, we requested Mr. Zeno's presence at the dump 
and directed him to have his operator push all these scrap heaps into the swamp. 
I do feel that it has been a waste of the taxpayers' money to have the utilization 
of a man at the dump site every day and incapacitate five to twelve hours of the 
Health Department's time to insure proper operation of the sanitary landfill 
program in this dump. In as much as this is a money-making operation, I feel 
that the responsibility lies with Mr. Zeno to see that his business is functioning 
proper within the requirements of the law.

I feel that great progress has been made in overall dumping program, that 
we revert back to the use of the excavated sanitary landfill program for it appears 
that this area seems to have the most coverage and compaction.
6-8-66 10:30

Inspection of area revealed that there was a definite amount exerted over the weekend to spread and antifreeze
asx bulldozer large pile of burnable debris and wood into
proximate swamp for the purpose of filling swamp as per
Mr. Popovici's instructions and program to rid the area of
the worst violations and thereby also eliminate the swamp.
Will keep dump under constant surveillance. No truck &
No bulldozer on site at time of inspection.

6-7-66 9:30

RWM Survey of dump - several loads of cover scattered about
dump for recovery of specific area.

6-8-66 10:30

Talked to Mr. Zima dump operator who has been given
plan by Mr. Popovici regard to program

6-9-66 11:30

Surveyed with Mr. Popovici task talked to dozer operator

6-10-66 1:30

Survey-Back Hoe in place started excavation as per planned
program approx. 15'X15' W/10' Trench on North Side of hole.

6-13-66 9:30

Surveyed additional cover spread over pre-covered areas
excavation expanded to approx. 20'X20'

6-14-66 11:30

Met with Mr. Popovici at dump told operator to start
pushing into selected w swamps and level existing rubbish pile
from Carbo & Bell.

6-15-66 9:30

Survey started to fill in swamp and have carried additional
dirt fill & selected spots for spreading

6-16-66 11:00

Surveyed-Suggested to Mr. Zima to fill in swamp area in rear
of yards (backyards) which face the dump.
Surveyed - dump operator told me he was going to start to spread fill in swamp in rear of home this evening-cheded oil in large swamp for mosquito control.

Survey dump started to fill swamp area & behind houses.
Excavation extended - approx size - 70' x 50'

Checked dump - Bulldozer lift not forgetting broken hydraulic hose-hauling dirt fill to begin again in evening.

Swamp area xtem xts almost completely covered in rear of homes-also more dirt spread on graded area.

Additional dirt spread over swamp area behind house & garbage dumping is being done in large swamp on east side & covered daily.
Grade is coming up daily.

At inspection time operator was leveling & grading area (Swamp rear of houses lot seems to be progressing nicely-

Swamp area (rear of houses practically void of surface water
several loads of dirt cover being applied daily-Swamp area on north side is continually being filled.

Operator grading area & filling in low spots at time of inspection

Several loads of dirt were scattered throughout area for spreading over already covered area - Several small bags

At time of inspection we operator was in process of dumping 50 gal drum of gas oil on large Swamp N.E. corner of dump area (mosquito control) Continuing to fill in on east side

...with garbage-East leg of swamp approx 40% filled.
NIAGARA COUNTY HEALTH DEPARTMENT

MEMORANDUM

DATE: June 10, 1966

TO: Dr. Hill

FROM: Michael Popovici, Sanitarian

SUBJECT: Town of Wheatfield Dump

As per request of the Niagara County Board of Health a reinspection and survey was conducted of the Town of Wheatfield Dump located off Nash Road on the morning of June 3, 1966.

Present during this initial survey; Environmental Health Trainee Arthur Perez; also, Mr. Skomski member of the Board of Health whom we met by accident at this site.

General survey showed the greatest problem to be the location of pile of debris and rubble at the extreme end of the dump. This pile of debris consists entirely of broken tree stumps, limbs, trash wood, etc.

We next went over to talk to the housewives on Forbes Terrace who were in their backyards. We stated to them that the Health Department was presently conducting a survey to determine the best and most feasible method of disposing of the hard trash located at the east end of the dump, and which we stated is not creating a health menace, but rather a visual nuisance. Furthermore, the inspection conducted of this area, again did not produce any rodent or rat colonies although they may be present; but as stated at the hearing conducted Thursday evening June 2, 1966, no rats have been seen by residents in this area for the past year. With a good and proper sanitary landfill operation none of these things should be present.

We stated to Mrs. DeMarco, that the program to be outlined for the proper disposal and elimination of the swamp would take several months, and that for their benefit we would not desire to hear any complaints regarding the moving of equipment or the creation of dust. This she agreed, they would not complain about.

Mr. Skomski was present during this entire conversation.

On Saturday June 4, 1966 a meeting was arranged by Health Commissioner Dr. Dudley Hill, with Mr. Stanley Brzezinski, Supervisor of Wheatfield; and Mr. Anthony Zino operator and owner of Niagara Sanitation; and Mr. Kruger, Department of Public Works, Wheatfield at 10:00 P.M. on the dump site. I had requested that Mr. Robert Cvetan, Senior Sanitarian, Niagara County Health Department be present, primarily to familiarize him with the condition and lay of action to be instituted in the program.
It was agreed by Mr. Brzozinski that a ditch at the east end of the dump approximately 500-600 feet from the homes on Forbes Terrace be constructed. This ditch is to be dug at any depth desired or feasible for the proper operation of the sanitary strip landfill program. Earth is to be piled to the south side of the ditch 6 to 12 feet high. This would continue west 300-500 feet thus blocking and eliminating the creation of any visible nuisance to the home owners on Forbes Terrace.

The sanitary landfill program will then continue to the north along this entire strip of land with dirt being compacted daily until the entire marsh and swamp has been eliminated. It is desired that this program begin immediately so as to dispel the fears of the families on Forbes Terrace, that their complaints have not fallen on deaf ears.

It is also noted that prevailing winds are from the southwest. Any complaints rendered should have come from Pallotine Fathers, or the new owners of Freck's Motel located on Niagara Falls Blvd. Town of Wheatfield for they are continuously waiffed by odors from the marsh and septic lagoons.

I would also advise that a burning permit be issued to burn up the residue of wood etc. located at the east end of the dump. Mr. Anthony Zino requested if it would be possible to allow him to burn waste papers from Bell Air Craft, this would help eliminate the scattered-looking condition of the dump.

I stated to Mr. Zino that I would request Mr. Ernest Gedeon, Superintendent of Air Pollution Control, Niagara County to conduct a survey to see if it would be permissible to grant a burning permit.
June 10, 1966

Mr. Stanley Brzesinski
2000 River Road
Niagara Falls, N.Y.

Dear Mr. Brzesinski:

At the hearing held by the Board of Health of Niagara County on June 2, 1966, in North Tonawanda, in regard to the Town of Wheatfield dump, located off the Bash road, the Niagara County Health Department was instructed to formulate immediately a plan whereby the nuisance presently caused by the dump would be abated as quickly as possible and also to outline the procedures to be followed in the future in order to avoid the creation of any further nuisance. The Health Department was further instructed to supervise closely the operation and maintenance of the dump to insure that the plan was being followed and to report to the Board of Health if any deviations or infractions occurred.

The following plan is hereby submitted:

1. A ditch is to be dug at the east end of the dump about 500 to 600 feet behind the homes on Forbes Terrace and is to extend to the west about 300 to 500 feet. The excavated earth is to be piled on the south side of the ditch to a height of 6 to 12 feet. This will effectively block the view of any unsightly conditions which may exist, and is to be done immediately.

2. This ditch is to be the beginning of an approved sanitary landfill operation with proper filling, compacting and covering. Additional ditches will be dug as needed to the north until the whole area has been filled, including the swamp area. The final grade is to be not higher than the back yards on Forbes Terrace.

3. The possibility of burning the large pile of trees and trash wood is being considered. The Air Pollution staff is to make a survey as to its feasibility, to insure that no nuisance or hazard is created.

4. Consideration will also be given to the possibility of permitting the burning of waste paper, which comprises a significant proportion of the refuse collected. This would much improve the appearance of the dump but, again, avoidance of any nuisance or hazard is essential.

5. No burning of any kind is permitted without the prior approval of the Health Department and then only under the circumstances and conditions outlined in the approval.

Cont'd.
b. Close supervision of the operation and maintenance of the dump is to be provided by the Sanitation personnel of the Health Department. No deviations from the plan by the operators is to be permitted without prior approval by the Department. If, despite compliance, nuisance conditions occur, the plan may be modified but only after consultation between the Department and the operator and with the approval of the Board of Health. Any accidental or inadvertent creation of a nuisance must be reported by the operator to the Department. Any deliberate deviation from the plan or from subsequent recommendations of the Department are to be reported to the Board of Health.

Respectfully submitted,

Dudley A. Hill, M.D.
Commissioner

CC: Mr. Anthony Zino, Niagara Sanitation, Inc.
    Mr. Samuel L. Tavano, County Attorney
    Dr. John H. Stuns, President, Board of Health
    Mr. Eugene F. Seebald, Regional Director of Public Health Engineering
    Mr. Michael Popovici, Senior Sanitarian
**NEW YORK STATE DEPARTMENT OF HEALTH**  
**INSPECTION REPORT FOR REFUSE DISPOSAL AREAS**

### T.V.C.  
**County:** Wheatfield  
**Owner:** Niagara  
**Address:** Niagara Sanitation  
**Phone:**  

<table>
<thead>
<tr>
<th>Type of refuse:</th>
<th>Operating municipalities:</th>
<th>Refuse collectors Names:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixed garbage</td>
<td>Niagara, Porter, Youngstown Village</td>
<td>Niagara Sanitation</td>
</tr>
</tbody>
</table>

### Total population per cent served

<table>
<thead>
<tr>
<th>Summer</th>
<th>Winter</th>
<th>Total amount of refuse</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</table>

#### Business (average collections per week)

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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#### Residential (average collections per week)

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

### Total area (acres)

<table>
<thead>
<tr>
<th>Suitable cover material available</th>
<th>Type of soil and topography</th>
<th>Depth to rock</th>
<th>Depth to ground water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Sandy Silt, level and marsh</td>
<td>10 feet</td>
<td>2 to 3 feet</td>
</tr>
</tbody>
</table>

### Gate and lock provided at entrance

<table>
<thead>
<tr>
<th>Adequate equipment available</th>
<th>Describing type and numbers of disposal area</th>
<th>1 Dozer</th>
<th>1 Shovel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Fire protection available

<table>
<thead>
<tr>
<th>Describe</th>
<th>Drainage interference with operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

### Days and hours refuse disposal site open

<table>
<thead>
<tr>
<th>8 hours</th>
<th>Attendant on duty when refuse site open</th>
<th>Site locked when closed</th>
<th>Burning practiced</th>
<th>Type of material turned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Burned in a special area away from dump

<table>
<thead>
<tr>
<th>How often and what time of day?</th>
<th>How controlled?</th>
<th>What precautions are taken to prevent fires?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

### How often is refuse compacted

<table>
<thead>
<tr>
<th>Covered</th>
<th>Type of cover</th>
<th>Source of cover</th>
<th>Depth of cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### How much refuse is taken to control rodents, insects, and other pests

<table>
<thead>
<tr>
<th>Scavenger wastes</th>
<th>Nuisance created</th>
<th>Hazard created by the disposal of hazardous industrial wastes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Methods of disposal of large items (furniture, tanks, appliances, stumps, etc.)

<table>
<thead>
<tr>
<th>Salvaging per nuisance created</th>
<th>Do swine feed on</th>
<th>Is approach road passable to vehicular traffic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Remarks:

1. Refuse area 1 is months old, not compacted or covered.
2. Refuse - deposited in marsh, decomposing, gasifying area not oriented to program disposal - recent dumping in 3 locations.
3. Old swamp areas should be covered in as quickly as possible - this would eliminate a lot of smell, and convert operation to strip dumping.

---

*State details under Remarks.*

**New York State Department of Health**

**Inspection Report for Refuse Disposal Areas**

---

*Remarks:*

1. Refuse area 1 is months old, not compacted or covered.
2. Refuse - deposited in marsh, decomposing, gasifying area not oriented to program disposal - recent dumping in 3 locations.
3. Old swamp areas should be covered in as quickly as possible - this would eliminate a lot of smell, and convert operation to strip dumping.
Recommendations:

1. Proper landfill of recently deposited putrescible material should be maintained.

2. Steps should be taken to provide adequate grading to prevent leading of putrescible drainage.

3. 24 inches of soil should be deposited on all previously deposited putrescible material; and should be compacted and graded so as not to contribute to a public health nuisance.

4. Fill in marshes as soon as possible.

Person Interviewed  Title  Date

Inspected By (signature)  Date Inspected  Time Inspected  Report rec'd by (signature)  Date rec'd

H.J. Kennedy  June 1-2, 1966  From 4:15 to 1:30 p.m.
MEMO

FROM: MILES A. LANCE

TO: DR. HILL

RE: REFUSE & GARBAGE

WHEATFIELD

Dear Dr. Hill:

Michael Popovici showed me some slides of this dump. I would not be surprised if there was further investigation than appears from the documents in this file.

MILES A. LANCE

Assistant County Attorney
Gentlemen:

Your attention is directed to the following comments pertaining to the operation of the refuse disposal area East of Nash Road and North of the City Limits of North Tonawanda.

1. The landfill area operated at the westerly extremity has been reasonably maintained during the winter months.

2. An inspection by the undersigned on March 23, 1963 revealed a lack of cover of earth over the previously deposited putrescible material on the easterly area of the site sufficient to prevent public health nuisance conditions.

3. The area where previously deposited putrescible material exists has not been graded to prevent leaching of nuisance producing drainage to the surface.

4. Where putrescible material has previously been deposited in existing open water areas, sufficient non putrescible fill has not been used to cover so as to prevent the existence of a public health nuisance.

In view of the foregoing comments the following advisements are tendered:

1. The proper landfill of recently deposited putrescible material is to be maintained in all respects according to existing statutes of the Niagara County Health Department & the New York State Department of Health.
2. Steps are to be taken to provide adequate grading to prevent the leaching of putrescible drainage to the surface which could create a public health nuisance.

3. Twenty-four inches of soil is to be deposited on all previously deposited putrescible material, this to be compacted and graded so as not to contribute to a public health nuisance.

4. Non putrescible hard fill is to be drawn to the site to minimize the nuisance producing aspects of the open water areas previously used for the deposit of putrescible refuse.

5. By a copy of this correspondence we are advising the County Attorney of Niagara County of the circumstances and are requesting that he direct his attention to securing relief at law for prompt compliance with the foregoing requests.

Very truly yours,

Eugene F. Seebold, P.E.
Assistant Commissioner for Environmental Health

EFS...lam

cc: County Attorney
    Buffalo Regional
    Albany
    Supervisor Murphy
    Alderman Runbold
    Mr. Peter DeMarco, Forbes Terrace, North Tonawanda
    File
October 25, 1975

Henry Schmidt, Esq.,
Attorney at Law
15 Webster Street
North Tonawanda, N. Y.

Dear Hank:

This is to remind you that you were to send me copies of the Agreements between Niagara Sanitation and Town of Wheatfield about two weeks ago. I wish to cooperate with you and the Town.

However, I am going to be forced to proceed without much more discussion unless I have a reasonable basis to help you resolve the problem with the Health Department.

Very truly yours,

(HARRIS and SOUTHARD)

By Southard

County Atoy.

Schmidt replied: No written
K. F. is merely using dump
under "Oval" intense - Payments
of feet to be made - probably
nothing said - Schmidt is not
sure!
NEW YORK STATE DEPARTMENT OF HEALTH
INSPECTION REPORT FOR REFUSE DISPOSAL AREAS

<table>
<thead>
<tr>
<th>County</th>
<th>Address</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operator</td>
<td>Address</td>
<td>Phone</td>
</tr>
</tbody>
</table>

Municipalities served: [List]

Refuse collectors (names):

Total population: per cent served

Business (average collections per week)
Residential (average collections per week)

Suitable cover: Yes No

Type of soil and topography

Depth to rock

Depth to ground water

Gate and lock provided at entrance

Adequate equipment available for maintaining refuse disposal area

Describe types and numbers

Fire protection available

Describe

Drainage interferes with operation

Yes No

Days and hours refuse disposal site open

Attendant on duty

Site locked when refuse site open

Yes No

Burning practiced

Yes No

Burned in a special area away from dump

How often and what time of day

Now controlled

What precautions are taken to prevent fires

Covered

Type of cover

Source of cover

Depth of cover

Dumping controlled by signs

Fencing

Supervision

List any of the above that have been exempted by the full-time health officer: None

Dumping confined to a narrow strip

Width

Signs of leachings to a watercourse

Yes No

Signs of floating solids in a watercourse

Yes No

Scavenger wastes

Yes No

Nuisance created

Yes No

Hazard created by the disposal of hazardous industrial wastes

Yes No

Signs of floating flies, rodents and other insects

Yes No

Papers confined to refuse site

Yes No

Permitted

Yes No

Refuse: deposited in marsh, decomposing, gasifying, and not oriented to programmed disposal.

Recent dumping in places unsanitary

Garbage: recently deposited: smoldering

Provisions for proper forklift, crane, winter operations (backfill, access roads, site organization)

Provisions for easy turn-out in utility for 9/7/61

State details under Remarks.

Remarks:

Refuse: months old not covered

Refuse: deposited in marsh, decomposing, gasifying, and not oriented to programmed disposal. Recent dumping in places unsanitary.

Garbage: recently deposited, smoldering

Provisions for proper forklift, crane, winter operations (backfill, access roads, site organization).

Provisions for easy turn-out in utility for 9/7/61.

*State details under Remarks.
In the Matter of the Operation:
of the Refuse Disposal Area Situated:
in the Town of Wheatfield adjacent:
to the Nash Road.

TO: ANGELO L. ZINO
236 63rd Street
Niagara Falls, New York

NIAGARA SANITATION
236 63rd Street
Niagara Falls, New York

PLEASE TAKE NOTICE:

Repeated inspections of this site have revealed that dumping
of refuse has not been confined to an area which can be
effectively maintained and operated in accordance with Part 19
of the New York State Sanitary Code. Control by supervision,
fencing, signs, or equally effective means has been lacking.

Refuse has not been compacted and covered daily with a
compacted layer of at least 6 inches of suitable material
and a final compacted cover of at least 2 feet of a suitable
cover material has not been placed within one week after the
final deposit of refuse on the refuse disposal area.

Effective means have not been taken to control flies, rodents,
and other insects and vermin in the refuse disposal area.

Fencing or other suitable means has not been established to
confine papers and other refuse to the refuse disposal area
proper.

All of the foregoing constitute contraventions of Section 19.2
of Part 19 of the New York State Sanitary Code.

You are hereby ordered to take notice of the foregoing and
bring the operation into full conformity with the provisions
of Part 19 of the New York State Sanitary Code.
A reinspection will be made on September 34, 1965, to ascertain the status of the operation of the refuse disposal area.

If at that time, it is found that the refuse area is being operated contrary to the provisions of Part 19 of the New York State Sanitary Code, legal proceedings will be initiated under Section 1.21 of Part I of the New York State Sanitary Code.

You are hereby notified that the said section declares all violations of the code to be a misdemeanor crime punishable by a fine of not more than $50.00 or by imprisonment of not more than six months or by both.

Lockport, New York
September 14, 1965

Dudley A. Hill, M.D.
Commissioner of Health
**NEW YORK STATE DEPARTMENT OF HEALTH**  
**INSPECTION REPORT FOR REFUSE DISPOSAL AREAS**

<table>
<thead>
<tr>
<th>Municipality served</th>
<th>Refuse collectors (names)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total population</td>
<td>per cent served</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Business (average collections per week)</th>
<th>Summer</th>
<th>Winter</th>
<th>Total amount of refuse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential (average collections per week)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total area (acres)</th>
<th>Suitable cover material available</th>
<th>Type of soil and topography</th>
<th>Depth to rock</th>
<th>Depth to ground water</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes/No</td>
<td>Lady Clay</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gate and lock provided at entrance</th>
<th>Adequate equipment available</th>
<th>Describe type and numbers for maintaining refuse disposal area</th>
<th>Drainage interfere with operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes/No</td>
<td></td>
<td></td>
<td>Yes/No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fire protection available</th>
<th>Describe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes/No</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Days and hours refuse disposal site open</th>
<th>Site locked when closed</th>
<th>Burning practiced</th>
<th>Type of material burned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attendant on duty when refuse site open</td>
<td>Yes/No</td>
<td>Yes/No</td>
<td>Yes/No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Burned in a special area away from dump</th>
<th>How often and what time of day?</th>
<th>How controlled?</th>
<th>What precautions are taken to prevent fires?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes/No</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How often is refuse compacted?</th>
<th>Covered</th>
<th>Type of cover</th>
<th>Source of cover</th>
<th>Depth of cover?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes/No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
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<thead>
<tr>
<th>Cover graded and maintained so no nuisance is caused as the result of pooling of water, cracking settling etc.</th>
<th>Dumping controlled by:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes/No</td>
<td>Signs/Fencing/Supervision</td>
</tr>
</tbody>
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<tr>
<th>List any of the above that have been exempted by the full-time health officer.</th>
<th></th>
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<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dumping confined to a narrow strip</th>
<th>Width</th>
<th>Signs of leachings to a watercourse</th>
<th>Signs of floating solids in a watercourse</th>
<th>Measures taken to control blowflies, rodents and other insects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes/No</td>
<td></td>
<td>Yes/No</td>
<td>Yes/No</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Papers confined to receive scavenger wastes</th>
<th>Nuisance created</th>
<th>Hazard created by the disposal of hazardous industrial wastes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes/No</td>
<td></td>
<td>Yes/No</td>
</tr>
</tbody>
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<tr>
<th>Methods of disposal of large items (furniture, tanks, appliances, stumps, etc.)</th>
<th></th>
</tr>
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<tr>
<th>Salvaging per Brine created</th>
<th>Scavenger wastes</th>
<th>Nuissance created</th>
<th>Hazard created by the disposal of hazardous industrial wastes</th>
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<td>Yes/No</td>
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<th>Do swine feed on</th>
<th>Is approach road passable to vehicular traffic during all seasons of year</th>
<th>Have there been any complaints (smoke, odor, rodent, insects, water pollution) from people in the area</th>
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<td>Yes/No</td>
</tr>
</tbody>
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<table>
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<tr>
<th>Remarks:</th>
<th></th>
</tr>
</thead>
<tbody>
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<td></td>
<td></td>
</tr>
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</table>

*State details under Remarks.*
Mr. Eugene Seebald  
Niagara County Health Department  
Bewley Building  
Lockport, New York  

June 10, 1965  

Mr. Eugene Seebald  
Niagara County Health Department  
Bewley Building  
Lockport, New York  

Dear Mr. Seebald:

The time is long overdue for adding my formal complaint to those of my neighbors regarding the Town of Wheatfield dump located off Nash Road, which borders my property. It would seem to me that the people who operate the dump have already been given plenty of time to clean up the unsanitary and unsightly conditions.

On April 28, 1965, you attended a meeting where several of my neighbors expressed their desire to have this dump closed down. These same neighbors had previously made the Niagara County Board of Health aware of the situation. After you visited the dump on May 21, 1965, less dumping has been done in the area directly adjacent to numbers 18, 20, 26, 32, and 38 Forbes Terrace. However, the area has not been cleaned up, there is often a very unpleasant odor, and dumping is still being done within less than 500 feet of my property.

This dump is a health hazard to all who live near the area. Open garbage is allowed to stand for hours and days at a time. Rats have been seen in the area. No deodorant is used and no rat control program is in effect. It is my understanding that in a dump of this type, the garbage is supposed to be put in eight foot deep holes and covered with at least 20 inches of dirt. To my knowledge this is not being done. Most of the dumping area is constantly littered with debris and garbage.

Several important considerations are:

1) Youngsters daily go into the dumping area.
2) Often we have seen young boys and men with rifles shooting in the dump. My neighbors and I have contacted the Sheriff's Department several times regarding the shooting.
3) Scavengers are often seen rummaging through the garbage.
4) An area of this type is bound to draw rats, skunks and rabbits who could be rabid and dangerous.

It is my husband's and my feeling that this dump should be completely closed down and cleaned up. A residential area should not have to be near such a serious health and safety hazard. I urge you to demand that this Town of Wheatfield dump be closed down immediately.

Sincerely yours,

(Mrs. James S. Stonebraker)
In the Matter of the Complaint

against-

STANLEY A. BRZEZINSKI, Supervisor, Town of Wheatfield, New York, WINSTON E. MOELLER, Clerk of the Town of Wheatfield, New York, and ANGELO L. ZINO, d/b/a NIAGARA SANITATION, 236-63rd Street, Niagara Falls, New York,

Respondents.

TO: STANLEY A. BRZEZINSKI
2080 River Road
Niagara Falls, New York

WINSTON E. MOELLER
6934 Maple Drive
North Tonawanda, New York

ANGELO L. ZINO, d/b/a
NIAGARA SANITATION
236-63rd Street
Niagara Falls, New York

Charges having been preferred against you under the provisions of the New York State Public Health Law, Section 22j, and the New York State Sanitary Code, Part 19.2,

YOU ARE HEREBY ORDERED TO SHOW CAUSE at the City Hall of the City of North Tonawanda, Payne Avenue, North Tonawanda, New York, on the 2nd day of June, 1965, at eight o'clock in the afternoon of that day, why an order should not be made against you to enjoin you from conducting or maintaining a nuisance in regard to the maintenance of a refuse disposal area located in the Town of Wheatfield, having an entrance on Nash Road in the Town of Wheatfield and abutting and adjoining the City of North Tonawanda, New
York, said nuisance consisting of a lack of cover of earth over putrescible material, otherwise improper coverage of material previously disposed in the refuse area, and otherwise improper maintenance of the refuse disposal area all in accordance with the applicable sections of the New York State Sanitary Code and the annexed letter marked EXHIBIT "A" and made a part hereof.

Dated: May 27, 1966

THE NIAGARA COUNTY BOARD OF HEALTH

[Signature]
Chairman
June 4, 1965

Mr. Stanley Brzezinski, Supervisor
Town of Wheatfield
2080 River Road
Niagara Falls, New York

Re: Refuse disposal area
Town of Wheatfield

Dear Sir:

This will serve to confirm information resulting from our field conference on June 3rd. Present at the conference beside yourself were, Mr. Demler, Water Superintendent, Mr. Krueger and Mr. Zino of Niagara Sanitation.

In response to inquiries as to your intention toward proper operation of your refuse disposal area off Nash Road, you agreed to direct the Highway and Water Departments to use their equipment to transport fill and cover objectionable areas in the eastern portion of the refuse area, this is to be accomplished within the next few weeks. Mr. Zino, who operates the refuse area in respect to garbage disposal, agreed to excavate holes for the disposal of garbage, using the spoil material from the excavation after covering the compacted refuse to cover the areas most objectionable beyond the site. It was agreed that it would be most desirable to fill in the septic swamp areas with building rubble or non-burnable refuse.

You indicated that within several months a new disposal site could be obtained and that the garbage operation would be removed to this site. It is expected that a prior review of the site by this department would be requested to ascertain its suitability for landfill disposal. Mr. Zino was advised that in the event of any interruptions in operation, such as equipment breakdown, he should take immediate steps to obtain suitable substitute arrangements, which will remove any nuisance resulting from his operation. In the event that Mr. Zino or Niagara Sanitation fail to conduct a proper landfill operation in the future, necessary regulatory steps will be instituted for the control of the operation of the facility of Niagara Sanitation organization.

Please advise if there is anything contained herein which does not represent accurately the discussion on June 3rd previously referred to.

Very truly yours,

Eugene F. Seabald, P.E.
Assistant Commissioner for Environmental Health

CC: Town Board - Tn. Wheatfield
Mr. Demler - Supt Water
Mr. Krueger - Highway Supt.
Mr. Zino - Niagara Sanitation
EFS/Mr. Murphy - Supervisor, N.T.
May 24, 1965

Supervisor and Town Board
Town Hall
Niagara Falls Boulevard
North Tonawanda, New York

Subject: Refuse Disposal Area

Some time last year the Department of Health having jurisdiction permitted the development of a trial land fill on the site of the Wheatfield Town refuse area off Nash Road, adjacent to the City of North Tonawanda.

Subsequent inspections have revealed that in spite of the efforts of the Town and the Niagara Sanitation Service, the site cannot be regarded as a practical, efficient land fill development. For a number of reasons to continue on this site is most undesirable and at an early date the Town and or the Niagara Sanitation Service should develop a land fill site considering all of the desirable factors such a site requires.

Until such time as a permanent site can be developed or obtained, it will be permissible to dispose of refuse and garbage on the Nash Road site with due care being taken to excavate garbage disposal pits, covering each night with sufficient earth cover to keep out rodents and to keep other vermin from being attracted. The excavated material from these pits should be used to cover previously deposited refuse and garbage.

During the past month a new threat, that of rabies has been detected in the Town of Wheatfield. In one instance rabies was found in a wild skunk. As you no doubt realize, skunks are scavengers and are in the refuse disposal area previously discussed and therein find harborage and food supply readily available. The fact that this area is frequented by scores of children, makes this very undesirable for disposal of garbage at this site.

I shall be pleased to discuss this matter with you if you should so desire and would be glad to pass upon any prospective land fill site you should propose.

Very truly yours,

Eugene F. Seabald, P.E.
Assistant Commissioner for
Environmental Health

CC: Mr. Bert J. Murphy, Supervisor, N. Tonawanda
    Mr. Delmar, Supt. of Water, Town of Wheatfield
    Mr. Bernhardt - BRO
    Niagara Sanitation Service
Mr. Paul Humbolt, Alderman,  
City of North Tonawanda,  
North Tonawanda, N.Y.  

Mr. Bert Murphy, Sr.,  
c/o Board of Supervisors,  
Lockport, N.Y.  

Gentlemen:—

Under date of March 29th, 1965 I wrote to you with reference to a very deplorable dumping situation at the rear of our property but to date have not even had the courtesy of a reply from you.

If this is the manner that you are pursing in the discharge of your duties as elected representatives of the people of your district I can assure you that when the next election is at hand your name will be stricken from the ballots of many voters.

If it is not too much trouble will you please advise whether or not any further action will be taken to remove this blight from the area as if you are not able to accomplish this at least we will know where we stand and will then attack this problem through normal legal channels.

Yours very truly,

Joseph E. Rauspacher

CC:— Dr. Hill, c/o Niagara County Health Dept.,  
Stevier Bldg.,  
Lockport, N.Y.
NIAGARA COUNTY
DEPARTMENT OF HEALTH

Service Request: Town of Wheatfield - Dump - Garbage paper / letter

Number: 1041

Originator: Carl Rentzel

Owner - Occupant - Agent: Town of Wheatfield

<table>
<thead>
<tr>
<th>INSPECTION</th>
<th>Date</th>
<th>Hours</th>
<th>CONDITIONS FOUND</th>
<th>ACTION TAKEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SECOND</td>
<td>3/23/03</td>
<td>4 1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THIRD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FOURTH</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date Abated 3-23-03 By
Mr. Paul Humbolt, Alderman,  
City of N. Tonawanda  
North Tonawanda, N.Y.  

Mr. Bert Murphy, Sup.  
c/o Clerk of Supervisors,  
Lockport, N.Y.  

March 20, 1965

Gentlemen:-

The undersigned residing at above address which we understand places us in your respective N. Tonawanda and Niagara County Districts, hereby desire to register formal protest against non-protection of taxpayers with respect to a very disagreeable and both unhealthy and unsanitary condition existing in our residential area.

The rear of our property as well as other neighbor's property bordering on land owned and presently operated as a garbage and trash dump of City of Wheatfield. This dump should be permanently removed from our highly taxable area as it is not only unsightly but also unhealthy and unsafe and is being operated in direct violation of the New York State Sanitary Code. It provides numerous health hazards such as rat's, vermin, insects, etc. and the stench is not only unbearable but nauseating, thereby preventing residents from taking advantages of their summertime recreational facilities. In addition it is a constant fire hazard, particularly due to spontaneous combustion as a recent fire there smoldered for several days thereby contaminating the area including nearby homes with smoke odors and particularly during high winds is a constant fire threat to our homes and the lives of our children.

The existence of this dump has greatly decreased property values (but not taxes) and in event of necessary resale due to company transfer or other reasons great loss would be suffered due to this deplorable and unwarranted situation.

We are sure you will agree that as payers of high taxes in a fine residential area we should not be made to suffer the hazards of this blight.

Although the undersigned are not presently registered voters due to insufficient residency, as soon as we have properly met the eligibility requirement of one year's residence in N.Y. State (April 1, 1965) we will exercise our registration and voter privilege.

Many of our good neighbors have previously complained about this nasty situation but no firm action has ever been taken and in fact at one time they were told that this dump was only temporary and would be closed in June of 1964, but instead of closing it down the hazards have multiplied considerably over the past year.

We therefore sincerely hope that in the interest of good government you gentlemen who have been duly elected as trustworthy representatives of all the people in your districts will use the full authority of your elected office to bring about a complete satisfactory solution to a very deplorable situation.

Thanking you for your kind and prompt action in this matter and looking forward to hearing from you regarding same, we remain,

Yours very truly,

Joseph G. Ramspacher

Regina D. Ramspacher

Cc: Dr. Hill,  
c/o Niagara County Health Dept.,  
Bewley Bldg.,  
Lockport, N.Y.
<table>
<thead>
<tr>
<th>T.V.C</th>
<th>County</th>
<th>Type of refuse</th>
<th>Operator</th>
<th>Address</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of Wheatfield</td>
<td>Niagara</td>
<td>mixed, garbage, rubbish</td>
<td>Niagara Sanitation Inc.</td>
<td>300 Military Rd</td>
<td>34330</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Municipalities served</th>
<th>Refuse collectors (names)</th>
</tr>
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<tbody>
<tr>
<td>1 of Wheatfield</td>
<td>Niagara Sanitation Inc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total population</th>
<th>per cent served</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Business (average collections per week)</th>
<th>Trash</th>
<th>Summer</th>
<th>Winter</th>
<th>Total amount of refuse</th>
</tr>
</thead>
<tbody>
<tr>
<td>(tons per week)</td>
<td>2</td>
<td></td>
<td></td>
<td>25 (load - 25yds. = 7 Tons)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Residential (average collections per week)</th>
<th>Tons per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>(tons per week)</td>
<td>2</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Total area (acres)</th>
<th>Suitable cover</th>
<th>Type of soil and topography</th>
<th>Depth to rock</th>
<th>Depth to ground water</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>&gt;7 ft</td>
<td>&gt;7 ft</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Date and look provided at entrance</th>
<th>Adequate equipment available for maintaining refuse disposal area</th>
<th>Describe type and numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1-997 The quarter 5th year and subsequent years</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fire protection available</th>
<th>T. of Wheatfield (St. Johnsbury &amp; Adams)</th>
<th>Drainage interference with operation</th>
<th>Type of material burned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>St. Johnsbury &amp; Adams</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
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<tr>
<th>Days and hours refuse disposal site open</th>
<th>Site locked when site open</th>
<th>Burning practiced</th>
<th>Type of material burned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily 2:5:16</td>
<td>Yes</td>
<td>No</td>
<td></td>
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<tr>
<th>Burned in a special area away from dump</th>
<th>How often and what time of day</th>
<th>How controlled?</th>
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<th>Depth of cover</th>
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<tbody>
<tr>
<td>Daily</td>
<td>Yes</td>
<td>Backfill</td>
<td></td>
<td>1 ft</td>
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</tbody>
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<td>Yes</td>
<td>Signs X</td>
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List any of the above that have been exempted by the full-time health officer:

- Fencing
- Supervision

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<th>Methods of disposal of large items (furniture, tanks, appliances, stumps, etc.)</th>
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<tr>
<td>Crushed in trash or packs of buried with garbage</td>
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<th>Papers confined to refuse site permitted</th>
<th>Scavenger wastes</th>
<th>Nuisance created</th>
<th>Hazard created by the disposal of hazardous industrial wastes</th>
</tr>
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<th>Signs of leachings to a watercourse</th>
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<tr>
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<td>Yes * No</td>
<td>Yes * No</td>
</tr>
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<th>Have there been any complaints (smoke, odor, rodent, insect, water pollution) from people in the area</th>
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</thead>
<tbody>
<tr>
<td>Yes</td>
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</tbody>
</table>

Remarks:

1. Some industrial wastes from Carbon and Graphite Specialties (Cobalt, nickel, iron)

2. Neighboring residents have complained about smoke odor. Operators advised not to cease burning.


4. Yes * No
Sketch: (Include location from a known point, access road, prevailing wind, refuse site boundaries, dumping face location, water courses, areas subject to flooding, natural drainage channels or gulleys, general land slope and slope of fill, distance to nearest public water supply source, fences and gates, and habitation within 1500 ft.)

1. Area surrounded by subdivisions which have been sources of complaint in the past; burning has ceased.

Recommendations:

Person Interviewed | Title | Date
--- | --- | ---
Paul Richards | Operative | 2/20/67

Inspected By (signature) | Date Inspected | Time Inspected | Report rec'd by (sign) | Date rec'd
--- | --- | --- | --- | ---
R.C. Mt. Pleasant | 2/20/67 | From 7 To 7 | From | To |
TO: THE TOWN BOARD OF THE TOWN OF WHEATFIELD, NIAGARA COUNTY, NEW YORK and THE STATE DEPARTMENT OF HEALTH and THEIR REPRESENTATIVES

The undersigned being residents of the County of Niagara and State of New York, and members of the St. Peter's Evangelical Lutheran Church, hereby register their opposition to the use of the 96 acre Frank Piroski farm on the north side of the Lockport Road as a site for sanitary land fill operations and refuse disposal.

Among the grounds for this opposition is the fact that the site in question is situated within a predominantly farming area where the intended use would create a menace to health, a devaluation of lands in the vicinity, and be too close to a religious organization. Other areas more suitably situate undoubtedly are available.

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<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Date</th>
</tr>
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<tr>
<td>Mr. &amp; Mrs. Adolph dePancier</td>
<td>9811 Lockport Rd. Niagara Falls, N.Y.</td>
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<tr>
<td>Edward P. Walck</td>
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<td>William Greiner</td>
<td>2363 Frank Road, Sanborn</td>
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<td>1933 Sandusky Settlement Rd.</td>
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<tr>
<td>Lewis A. Walck</td>
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<tr>
<td>Chester A. Hasley</td>
<td>Route 62 Sandusky</td>
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<tr>
<td>Juette Walck</td>
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<tr>
<td>Lillian Hasley</td>
<td>Route 62 Sandusky</td>
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<tr>
<td>Thomas J. Hasley</td>
<td>253 Sandusky</td>
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<td>Joseph A. Hasley</td>
<td>Sandusky</td>
<td></td>
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<tr>
<td>M. &amp; Mrs. P. Fehrmwald</td>
<td></td>
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</tr>
<tr>
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<td>Maurice W. Beauch</td>
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<td>Wilma M. Eng</td>
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<tr>
<td>Mrs. Augusta Walsh</td>
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<td>Jeekie B. Rohl</td>
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<td>9732 N. Sagamore Rd</td>
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<td>H. Schillauer</td>
<td>3650 Hasley Dr, Niagara Falls, NY</td>
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<td>W. A. Muller</td>
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<td>Billie Vonut</td>
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<td>Mrs. Edward Walck</td>
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<td>Mrs. Kermit Heculey</td>
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Among the grounds for this opposition is the fact that the site in question is situated within a predominantly farming area where the intended use would create a menace to health and a devaluation of lands in the vicinity. Other areas more suitably situate undoubtedly are available.

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<td>Edward &amp; Maggy</td>
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<td>Austin Matto</td>
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<td>J. Schwanenflach</td>
<td>6630 Schull Rd Niagara Falls</td>
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<td>Russell McGuinness</td>
<td>6635 Hunt St Niagara Falls N.Y.</td>
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<td>Arthur T. Huesen</td>
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<td>Natalie Canning</td>
<td>2474 Niagara Rd Niagara Falls</td>
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<td>Marilu E. Kegley</td>
<td>6645 Bob St Niagara Falls</td>
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<td>Nathan Deschen</td>
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<td>Roland E. Canning</td>
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<td>Willy Pfeffer</td>
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<td>Anna T. Winkel</td>
<td>2613 Niagara Rd Hamburg, Wny</td>
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<tr>
<td>Benjamin C. Rock</td>
<td>26/17 People Road</td>
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Name:  
Address:  
Date:  

Crystal Michel  
6211 Wheatfield Rd.  
Sanborn, N.Y.  4/11/64

Joseph Michel  
6109 Wheatfield Rd.  
Sanborn, N.Y.  4/11/64

Pamela Michel  
6109 Wheatfield Rd.  
Sanborn, N.Y.  4/11/64

Earl Michel  
6112 Wheatfield Rd.  
Sanborn, N.Y.  4/11/64

Julia Webster  
6112 Wheatfield Rd.  
Sanborn, N.Y.  4/11/64

John Raymond  
6088 Wheatfield Rd.  
Sanborn, N.Y.  4/11/64

John Webster  
6088 Wheatfield Rd.  
Sanborn, N.Y.  4/11/64

Evelyn Enright  
409 Webster Rd.  
Sanborn, N.Y.  4/11/64

Helen Webster  
6082 Wheatfield Rd.  
Sanborn, N.Y.  4/11/64

Joseph C. Webster  
6082 Wheatfield Rd.  
Sanborn, N.Y.  4/11/64

Merton F. Pfeifer  
2388 Somerset Rd.  
Sanborn, N.Y.  4/11/64

Phoebe K. Hasley  
2250 Somerset Rd.  
Sanborn, N.Y.  4/11/64

Gladye Schildhauer  
Niagara Falls, N.Y.  4/12/64

Marcus Hasley  
Sanborn, N.Y.  4/12/64

Herbert Hasley  
Sanborn, N.Y.  4/12/64

Mrs. William Galganski  
Niagara Falls, N.Y.  4/12/64
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<td>Mrs. Alice Allen</td>
<td>6207 Lakemere Rd.</td>
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<td>Alice, Charles</td>
<td>6207 Lakemere Rd.</td>
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<td>Robert A. Stone</td>
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<td>Sally C. Walsh</td>
<td>3328 Washington St.</td>
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<td>Claudia K. Smith</td>
<td>3219 Lipton Rd.</td>
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<td>Margaret Pfeifer</td>
<td>2115 Jackport Rd.</td>
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<tr>
<td>Mr. Lucile Held</td>
<td>2501 &quot;     &quot;</td>
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<td>Helen L. Bolt</td>
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<td>Edna Bolt</td>
<td>2502 Lockport Rd.</td>
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<td>Emily St. Ben</td>
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<td>Kenneth H. Portell</td>
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</table>
1. 4:30 PM, 1 June, 1966

Wood Pile - Concrete Blocks --
Card Board - Planking - Crates

This Pile has not been touched for over two months

2. 4:40 PM, 1 June, 1966

Swamp - Tires, paper, wood, stench
To: Record

From: Mr. Ignor

Subject: Wheatfield Town Dump

On February 20, 1960, the writer visited the dump operated by the Town of Wheatfield to determine if it were possible that rats could be infesting the dump and being a nuisance in the area surrounding the dump. At the time of the inspection, the gate leading to the dump was locked. However, there was evidence that it had been opened during the day and that material had been deposited in the dump.

There was a considerable pile of burning material (tin cans, paper and other refuse). The dump showed every indication that it should be infested with rats. However, no tracks or other positive signs of rats were seen.

On speaking with one of the local residents he stated that the rats would leave the dump and spread throughout the area on the burning of the material. He stated that upon occasion chickens and other livestock had been killed by the rats.

It is the opinion of the writer that a much more satisfactory operation could be maintained to receive the garbage and refuse from the Town of Wheatfield.
STATE OF NEW YORK
DEPARTMENT OF HEALTH

MEMORANDUM

January 12, 19--

To: Mr. Godbold
From: Mr. Pleasant

Subject: Current status of refuse disposal sites — Niagara County

During the latter part of December and the first part of January, the writer undertook a partial survey of refuse disposal sites in Niagara County. This was a follow-up study intended to update the status of those dumps reported in a comprehensive survey described earlier. The following narrative briefly describes observations made during this survey.

TOWN OF ELKTON — This town has no refuse disposal sites due to Town Ordinance against same.

TOWN OF MADISON — This dump is operated by the Town Highway Department. An attempt is made at sanitary landfill. However, there does not appear to be too much organization in regard to layout and usage. It would appear that supervision of the site during open hours would eliminate occasional haphazard dumping in undesigned areas. There is some minor evidence of burning but it is not a consistent practice.

TOWN OF ROYTON — (Gencroft & Sons) — This site is nothing more than an open dump. Burning is not practiced. However, there are huge accumulations of uncovered garbage. No apparent attempt has been made to comply with earlier suggestions and recommendations.

TOWN OF ROYTON — This site has undoubtedly made the most progress of those described in the previous report. The appearance is much improved, fencing and earth berms shield the site from observation. There is a locked gate and attendant during open hours. The site utilizes an old stone quarry and fill material is at a premium. The open face of the dump is judged too long in that it is in the shape of a large semi-circle. Burning is done in a receptacle which resembles an old converted oil drum. There is some mixed refuse disposed of at this site.

TOWN OF ELKTON — This site practices burning of combustibles and at the time of inspection there were large accumulations of burnt debris which had not been covered. Mr. Bracken, who owns and operates the site for the town, maintains a separate location for what he terms garbage which in reality is mixed refuse. The second site which is located some 500 yards west consists of a trench into which the refuse is placed, burned and periodically covered. The owner has reported that he has had trouble with private collectors using this site without authorization. Operation normally consists of burning and pushing back of refuse along a side face into an excavated area. The top grade is then covered. The site is easily observed from Chestnut Road.
TOWN OF LOCKPORT - The pit previously used has been filled and at present there is a large accumulation of uncovered, burned refuse. Blowing papers still appeared to be somewhat of a problem.

TOWN OF FARBLEN - This town does not have a refuse disposal site due to prohibiting town ordinance.

TOWN OF WILSON - The Town of Wilson still operates a refuse disposal site with the Town of Cambria at a site located in the Town of Wilson, off Chestnut Road about a half a mile. The site is remotely situated and an attempt is made at a sanitary landfill operation. It appears that there is a problem of drainage, since water was noticed in several excavations. Covering of the refuse could be more frequent. Burning was not noticed to be a consistent practice.

TOWN OF PORTER - There is no known refuse disposal site in the Town of Porter due to prohibiting town ordinances.

TOWN OF LEWISTON - The refuse disposal site operated by the Highway Department for the Town of Lewiston is essentially a sanitary landfill, however, burning of the refuse is practiced; compaction is done and finally a covering is provided for it. However as was noted in the earlier report, the covering material is blue clay which does not lend itself readily to compaction. At the time of inspection the site had a large accumulation of refuse and no evidence of recent covering was observed.

TOWN OF NIAGARA - The Town of Niagara operates a refuse disposal site on Lockport Road. At the time of inspection sudden fires were observed and have been common in the past. There was no equipment at the site nor was an attendant on duty. There was a large accumulation of uncovered burnt and burning refuse and debris. People were observed dumping mixed refuse on the ground and igniting it. Fires from this site in the past have produced thick noxious smoke over the expressway which is adjacent to the site. This condition could be described as hazardous.

TOWN OF BRADFORD - This site appears to have been operated satisfactorily in the past. However, the current inspection revealed large amounts of uncovered refuse on the ground. The refuse had been spread, but had not yet been covered. It appeared that it may have been compacted. The conditions noted could be termed a nuisance since the current portion of the site utilized is immediately adjacent to backyards of residences on Forbes Terrace. Burning is not practiced.

R. C. Mt. Pleasant
3. 4:50 PM, 1 June, 1966

Area being filled with dumped garbage — was told it would be covered before evening.

4. 5:10 PM, 1 June, 1966

Overlooking debris to be covered. Being dozed into swamp. Spongy ground.
6. 5:15 PM, 1 June, 1966

New load of garbage - Operator said it would be dozed and covered before going home.

5. June 1, 1966

Trench approximately 4 to 6 inches deep—filled with seepage water 4 to 6 inches—debris, tires, etc.
7. 10:15 AM, June 2, 1966

View of load of garbage at 10:15 AM. Some of debris recognized as having been dumped the previous night.

8. 10:20 AM, June 2, 1966

View of same pile of garbage (no.7)
South View
10. 10:50 AM, June 2, 1966

Ditch - Lengthwise to dump
Lumber, Planks, Boxes, Cardboard, Swamp, Stagnant water.

9. 10:40 AM, June 2, 1966

View of general area - section 9 on sketch-this has been untouched for 2 or 3 weeks.
12. 11:10 AM, June 2, 1966

General View of North West corner - Untouched for several weeks.

11. 11:05 AM, June 2, 1966

General View of north west corner - This area has been untouched for 2 or 3 weeks.
APPENDIX B

SAMPLE COORDINATES
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APPENDIX C

LABORATORY ANALYTICAL REPORTS

(SEE ATTACHED CD)
APPENDIX D

SOIL BORING LOGS/MONITORING WELL CONSTRUCTION INFORMATION
<table>
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<th>SAMPLE LITHOLOGY</th>
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</tr>
<tr>
<td>S#3, 8-12'</td>
<td>4.8</td>
<td>0.1/4.0</td>
<td></td>
<td>Very Poor Recovery. Fill - Debris, Metal, Wood, f-c, Sand, Black, saturated, slight petroleum odor.</td>
<td></td>
</tr>
<tr>
<td>S#4, 12-16'</td>
<td>1.2</td>
<td>0.2/4.0</td>
<td></td>
<td>Very Poor Recovery. Dark Gray f-m Sand, Saturated. Brown-Gray Clay at 16' (in sample tip).</td>
<td></td>
</tr>
<tr>
<td>S#5, 16-20'</td>
<td>NC</td>
<td>0/4.0</td>
<td></td>
<td>No Recovery, only water in Macro-core sleeve, brown Clay smeared on outside of Macro-core casing. Assume sample slipped out due to saturated conditions.</td>
<td></td>
</tr>
</tbody>
</table>

Location: Nash Rd Landfill, Site #932054
Address: Wheatfield, New York
Job No.: 0901536
Logged By: E. Popken
Dates Drilled: 6/3/13
Drilling Company: Quality Inspection Services
Drill Rig Type: Acker Soil Scout
Drilling Method: Direct Push / 4.25 in. Hollow Stem Auger
Sampling Method: Macro Core
Soil Class. System: Burnmister
Field Screening: MiniRae 2000 PID w/10.6 eV lamp (PPM)

Location:
Northing/Latitude: Assumed 100 ft. elev. benchmark
Easting/Longitude: NC = Not Collected
Horizontal Datum: Lat/Long
Vertical Datum: Assumed 100 ft. elev. benchmark

Symbol Key:
- Apparent Water Level
- Lab Sample Location

ID NO. SB-A/OW-24
Surface Elev.: 20 ftbg
Total Depth: 20 ftbg
Water Depth: 20 ftbg
Casing El.: 2 in.
Borehole Dia.: 8 in.
Well Dia.: 2 in.

While augering, clay cuttings brought to surface when augers were at 8-10 ftbg. Likely that Clay begins in this interval. Material in S#3 was slough from shallower depth.

Lab sample collected 0-4'. Composite lab sample collected from 4-8' and 8-12' due to poor recovery.

Boring Terminated at 20'.

4" Steel protective standpipe set in concrete
2" PVC riser to approx 2 ft above surface
Hydrated bentonite chips

#00N Silica Sand Filter Sand
2" PVC, 10 slot screen 5-10'

Fill - Brown & Gray Clayey Silt, some f-m Sand, trace organics, trace debris (plastic, glass). Heat to wet. Lab sample collected 0-4'.

Very Poor Recovery. No recovery 4-8'. Macro-core liner is wet.
**SOIL BORING LOG**

**PROJECT:** Nash Rd Landfill, Site #932054  
**ADDRESS:** Wheatfield, New York  
**JOB NO.:** 0901536  
**Logged By:** E. Popken  
**Dates Drilled:** 6/3/13  
**Drilling Company:** Quality Inspection Services  
**Drill Rig Type:** Acker Soil Scout  
**Drilling Method:** Direct Push / 4.25 in. Hollow Stem Auger  
**Sampling Method:** Macro Core  
**Soil Class. System:** Burmister  
**Field Screening:** MiniRae 2000 PID w/10.6 eV lamp (PPM)

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Interval</th>
<th>Field Screen</th>
<th>Blow Counts</th>
<th>Rec.</th>
<th>SAMPLE LITHOLOGY</th>
<th>COMMENTS</th>
<th>COMPLETION DETAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4'</td>
<td>S#1, 0-4'</td>
<td>656</td>
<td>NA</td>
<td>3.0/4.0</td>
<td>Brown, Hard, Silty Clay, trace organics. Strong solvent odor. Dry. Large Gravel at surface.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-8'</td>
<td>S#2, 4-8'</td>
<td>145</td>
<td>4.0/4.0</td>
<td></td>
<td>Gray, soft, Silty Clay, trace fine sand, organics, trace gravel. Strong solvent odor. Moist.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8-12'</td>
<td>S#3, 8-12'</td>
<td>35.7</td>
<td>4.0/4.0</td>
<td></td>
<td>Gray, soft, Silty Clay, trace fine sand, organics, trace gravel. Strong solvent odor. Moist to wet.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12-16'</td>
<td>S#4, 12-16'</td>
<td>170</td>
<td>4.0/4.0</td>
<td></td>
<td>Black-gray, fine to coarse Sand, and silty Clay. Moist to wet.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-20'</td>
<td>S#5, 16-20'</td>
<td>22.6</td>
<td>4.0/4.0</td>
<td></td>
<td>Brown, CLAY, hard, trace organics. Dry to moist.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Brown, CLAY, hard, trace organics, trace fine gravel, trace f-c sand. Wet</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location:</th>
<th>General Comments:</th>
<th>Symbol Key:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northing/Latitude:</td>
<td>Latitude:</td>
<td>SB-B/OW-25</td>
</tr>
<tr>
<td>Easting/Longitude:</td>
<td>Longitude:</td>
<td>p. 1 of 1</td>
</tr>
<tr>
<td>Horizontal Datum:</td>
<td>Assumed 100 ft. elev. benchmark</td>
<td></td>
</tr>
<tr>
<td>Vertical Datum:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**SOIL BORING LOG**

**PROJECT:** Nash Rd Landfill, Site #932054  
**ADDRESS:** Wheatfield, New York  
**JOB NO:** 0901536

Logged By: E. Popken  
Dates Drilled: 6/3/13  
Drilling Company: Quality Inspection Services  
Drill Rig Type: Acker Soil Scout

Drilling Method: Direct Push / 4.25 in. Hollow Stem Auger  
Sampling Method: Macro Core  
Soil Class. System: Burmister  
Field Screening: MiniRae 2000 PID w/10.6 eV lamp (PPM)

**SURFACE ELEV.:**  
**TOTAL DEPTH:** 12 ftbg  
**WATER DEPTH:**  
**CASING EL.:**  
**BOREHOLE DIA.:** 8 in.  
**WELL DIA.:** 2 in.

**Depth (feet) Sample Interval Field Screen Blow Counts Rec.**

<table>
<thead>
<tr>
<th>Depth Interval</th>
<th>Field Screen</th>
<th>Blow Counts</th>
<th>Rec.</th>
<th>Sample Lithology</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>S#1, 0-4'</td>
<td>4.1</td>
<td>NA</td>
<td>2.0/4.0</td>
<td>Fill - Brown, Silty Clay, trace to little f-c Sand &amp; f-c Gravel, trace debris, trace organics. Moist</td>
<td></td>
</tr>
<tr>
<td>S#2, 4-8'</td>
<td>4.7</td>
<td>0/4.0</td>
<td></td>
<td>No Recovery 4-8'. Collected slough from S#3 for field screening, presumed from 4-8 interval. Slough consisted of a mixture of Fill and sand.</td>
<td></td>
</tr>
<tr>
<td>S#3, 8-12'</td>
<td>0.4</td>
<td>4.0/4.0</td>
<td></td>
<td>Brown, Clay, trace Silt. Faint solvent odor. Moist.</td>
<td></td>
</tr>
</tbody>
</table>

Boring Terminated at 12'

**General Comments:**

Fill - Brown, Silty Clay, trace to little f-c Sand & f-c Gravel, trace debris, trace organics. Moist.

No Recovery 4-8'. Collected slough from S#3 for field screening, presumed from 4-8 interval. Slough consisted of a mixture of Fill and sand.


**Symbol Key:**

- **Apparent Water Level**
- **Lab Sample Location**

**Location:**

- **Northing/Latitude:**
- **Easting/Longitude:**

**Horizontal Datum:** Lat/Long  
**Vertical Datum:** Assumed 100 ft. elev. benchmark

**SB-C/OW-22** p. 1 of 1
**SOIL BORING LOG**

**PROJECT:** Nash Rd Landfill, Site #932054  
**ADDRESS:** Wheatfield, New York  
**JOB NO.:** 0901536

Logged By: E. Popken  
Dates Drilled: 6/3/13  
Drilling Company: Quality Inspection Services  
Drill Rig Type: Acker Soil Scout  
Drilling Method: Direct Push / 4.25 in. Hollow Stem Auger  
Sampling Method: Macro Core  
Soil Class. System: Burmister  
Field Screening: MiniRae 2000 PID w/10.6 eV lamp (PPM)

**SURFACE ELEV.:**  
**TOTAL DEPTH:** 12 ftbg  
**WATER DEPTH:**  
**CASING EL.:**  
**BOREHOLE DIA.:** 8 in.  
**WELL DIA.:** 2 in.

---

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Interval</th>
<th>Field Screen</th>
<th>Blow Counts</th>
<th>Rec.</th>
<th>SAMPLE LITHOLOGY</th>
<th>COMMENTS</th>
<th>COMPLETION DETAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S#1, 0-4’</td>
<td>2.7</td>
<td>NA</td>
<td>3.5/4.0</td>
<td>Gray, Silty Clay. Moist</td>
<td></td>
<td>4” Steel protective standpipe set in concrete</td>
</tr>
<tr>
<td></td>
<td>S#2, 4-8’</td>
<td>0.5</td>
<td>4.0/4.0</td>
<td></td>
<td>Tan-Brown, fine to medium Sand, little to some Silt, trace organics. Moist</td>
<td></td>
<td>2” PVC riser to approx 2 ft above surface</td>
</tr>
<tr>
<td></td>
<td>S#3, 8-12’</td>
<td>0.0</td>
<td>3.0/4.0</td>
<td></td>
<td>Brown Clay. Hard.</td>
<td></td>
<td>Hydrated bentonite chips</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lab sample collected 4-8’.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2” PVC, 10 slot screen 3-8’</td>
</tr>
</tbody>
</table>

**Apparent Water Level**

**Lab Sample Location**

**General Comments:**

- Gray, Silty Clay. Moist
- Tan-Brown, fine to medium Sand, little to some Silt, trace organics. Moist
- Brown Clay. Hard.
- Boring Terminated at 12’

**Location:**

- Latitude: Assumed 100 ft. elev. benchmark
- Longitude:
- Horizontal Datum: Lat/Long
- Vertical Datum: Assumed 100 ft. elev. benchmark

**Symbol Key:**

- Apparent Water Level
- Lab Sample Location

**Lab Sample Location**

**Not Collected** (NC)

- Soil sample collected 4-8’.

---

**ID NO.:** SB-D/OW-21  
**p. 1 of 1**
**SOIL BORING LOG**

**PROJECT:** Nash Rd Landfill, Site #932054  
**ADDRESS:** Wheatfield, New York  
**JOB NO.:** 0901536

<table>
<thead>
<tr>
<th>Logged By:</th>
<th>Dates Drilled:</th>
<th>Drilling Company:</th>
<th>Drilling Method:</th>
<th>Sampling Method:</th>
<th>Soil Class. System:</th>
<th>Field Screening:</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. Popken</td>
<td>6/3/13</td>
<td>Quality Inspection Services</td>
<td>Direct Push</td>
<td>Macro Core</td>
<td>Acker Soil Scout</td>
<td>Burmister MiniRae 2000 PID w/10.6 eV lamp (PPM)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Interval</th>
<th>Field Screen</th>
<th>Blow Counts</th>
<th>Rec.</th>
<th>SAMPLE LITHOLOGY</th>
<th>COMMENTS</th>
<th>COMPLETION DETAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S#1, 0-4'</td>
<td>0.2</td>
<td>NA</td>
<td>3.0/4.0</td>
<td>FILL - Brown, Clayey Silt, little-some debris (plastic, glass, metal), little f-c sand &amp; gravel. Moist.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>S#2, 4-8'</td>
<td>1.4</td>
<td>0.8/4.0</td>
<td></td>
<td>Tan, f-m Sand, trace debris (possible slough). Wet-saturated.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>S#3, 8-12'</td>
<td>0.0</td>
<td>4.0/4.0</td>
<td></td>
<td>Brown, Clay. Hard. Moist.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Boring Terminated at 12'.

**Location:** Wheatfield, New York  
**Easting/Longitude:** 0901536  
**Northing/Latitude:** 6/3/13  
**Horizontal Datum:** Lat/Long  
**Vertical Datum:** Assumed 100 ft. elev. benchmark  
**Symbol Key:**  
- Lab Sample Location:  
- Apparent Water Level:  
- NC = Not Collected  
- SB-E:  

**General Comments:**

- FILL - Brown, Clayey Silt, little-some debris (plastic, glass, metal), little f-c sand & gravel. Moist.
- Tan, f-m Sand, trace debris (possible slough). Wet-saturated.
**SOIL BORING LOG**

**ID NO.** SB-F/MW-23

**PROJECT:** Nash Rd Landfill, Site #932054  
**ADDRESS:** Wheatfield, New York  
**JOB NO.:** 0901536

Logged By: E. Popken  
Dates Drilled: 6/3/13  
Drilling Company: Quality Inspection Services  
Drill Rig Type: Acker Soil Scout

**SURFACE ELEV.:**  
**TOTAL DEPTH:** 8 ftbg  
**WATER DEPTH:**  
**CASING EL.:**  
**BOREHOLE DIA.:** 8 in.  
**WELL DIA.:** 2 in.

**Drilling Method:** Direct Push / 4.25 in. Hollow Stem Auger  
**Sampling Method:** Macro Core  
**Soil Class. System:** Burmister  
**Field Screening:** MiniRae 2000 PID w/10.6 eV lamp (PPM)

---

**DEPTH (feet)** | **SAMPLE INTERVAL** | **FIELD SCREEN** | **BLOW COUNTS** | **RECIPE** | **SAMPLE LITHOLOGY** | **COMMENTS** | **COMPLETION DETAILS**
---|---|---|---|---|---|---|---
0 | S#1, 0-4' | 0.1 | NA | 4.0/4.0 | Brown-gray, Silty Clay, trace organics. Moist. | 4" Steel protective standpipe set in concrete
5 | S#2, 4-8' | 0.6 | 3.0/4.0 | Tan, fine to medium Sand. Wet. | 2" PVC riser to approx 2 ft above surface
0.0 | Brown, CLAY. Hard. | Hydrated bentonite chips

Lab sample collected 4-6'.  
#00N Silica Sand Filter Sand

2" PVC, 10 slot screen 3-8'

Boring Terminated at 8'

---

**Location:**  
**Northing/Latitude:**  
**Easting/Longitude:**  
**Horizontal Datum:**  
**Vertical Datum:** Assumed 100 ft. elev. benchmark

**General Comments:**  
**Symbol Key:**  
**Apparent Water Level**  
**Lab Sample Location**  
**NC = Not Collected**
**SOIL BORING LOG**

**PROJECT:** Nash Rd Landfill, Site #932054  
**ADDRESS:** Wheatfield, New York  
**JOB NO.:** 0901536  

**Logged By:** E. Popken  
**Dates Drilled:** 6/4/13  
**Drilling Company:** Quality Inspection Services  
**Drill Rig Type:** Acker Soil Scout  

**SURFACE ELEV.:**  
**TOTAL DEPTH:** 8 ftbg  
**WATER DEPTH:**  
**CASING EL.:**  
**BOREHOLE DIA.:** 3 in.  
**WELL DIA.:**

**Drilling Method:** Direct Push  
**Sampling Method:** Macro Core  
**Soil Class. System:** Burmister  
**Field Screening:** MiniRae 2000 PID w/10.6 eV lamp (PPM)

---

**SAMPLE LITHOLOGY**

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Interval</th>
<th>Field Screen</th>
<th>Blow Counts</th>
<th>Rec.</th>
<th>SAMPLE LITHOLOGY</th>
<th>COMMENTS</th>
<th>COMPLETION DETAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S#1, 0-4'</td>
<td>0.6</td>
<td>NA</td>
<td>1.0/4.0</td>
<td>Fill - Brown-Gray, Clayey Silt, little fine to coarse Sand, trace to little debris (plastic, wood). Dry to moist.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>S#2, 4-8'</td>
<td>1.5</td>
<td>4.0/4.0</td>
<td></td>
<td>Brown, fine to medium Sand, trace Silt. Wet.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lab sample collected 4-7'.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Boring Terminated at 8'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**General Comments:**
- Assumed 100 ft. elev. benchmark
- Lab sample collected 4-7'

**Symbol Key:**
- Apparent Water Level
- Lab Sample Location
- SB-G

**Location:**
- **Northing/Latitude:**
- **Easting/Longitude:**
- **Horizontal Datum:** Lat/Long
- **Vertical Datum:** Assumed 100 ft. elev. benchmark

**Assumed 100 ft. elev. benchmark**
**SOIL BORING LOG**

**PROJECT:** Nash Rd Landfill, Site #932054  
**ADDRESS:** Wheatfield, New York  
**JOB NO.:** 0901536

Logged By: E. Popken  
Dates Drilled: 6/5/13  
Drilling Company: Quality Inspection Services  
Drill Rig Type: Acker Soil Scout

**SURFACE ELEV.:**  
**WATER DEPTH:**  
**CASING EL.:**

**BOREHOLE DIA.:** 3 in.  
**WELL DIA.:**

**Drilling Method:** Direct Push  
**Sampling Method:** Macro Core  
**Soil Class. System:** Burmister  
**Field Screening:** MiniRae 2000 PID w/10.6 eV lamp (PPM)

---

### SAMPLE LITHOLOGY

<table>
<thead>
<tr>
<th>Depth Interval</th>
<th>Field Screen</th>
<th>BlowCounts</th>
<th>Sample</th>
<th>Lithology Description</th>
<th>Comments</th>
<th>Completion Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>S#1, 0-4'</td>
<td>940</td>
<td>NA</td>
<td>2.0/4.0</td>
<td>Fill - Brown Silty Clay, debris, trace organics, little fine to coarse gravel, little fine to coarse Sand. Slight solvent odor. Moist.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S#2, 4-8'</td>
<td>1,214</td>
<td>2.0/4.0</td>
<td></td>
<td>Fill - Same as above. Dark NAPL observed.</td>
<td>Lab sample collected 4-8'.</td>
<td></td>
</tr>
<tr>
<td>S#3, 8-12'</td>
<td>1,035</td>
<td>1.0/4.0</td>
<td></td>
<td>Fill - Same as above. Dark NAPL also observed. Refusal at 10 ftbg.</td>
<td>Lab sample collected 8-10'.</td>
<td>Refusal at 10'. Reason unknown.</td>
</tr>
</tbody>
</table>

---

**Location:**  
**General Comments:**  
**Symbol Key:**

- **fhtub:** Feet Below Grade  
- **NC:** Not Collected  
- **Apparent Water Level**  
- **Lab Sample Location**

**Horizontal Datum:** Lat/Long  
**Vertical Datum:** Assumed 100 ft. elev. benchmark

---

**ID NO.: SB-H**
## Soil Boring Log

**PROJECT:** Nash Rd Landfill, Site #932054  
**ADDRESS:** Wheatfield, New York  
**JOB NO.:** 0901536

**Logged By:** E. Popken  
**Dates Drilled:** 6/6/13  
**Drilling Company:** Quality Inspection Services  
**Drill Rig Type:** Acker Soil Scout

**Drilling Method:** Direct Push  
**Sampling Method:** Macro Core  
**Soil Class. System:** Burmister  
**Field Screening:** MiniRae 2000 PID w/10.6 eV lamp (PPM)

### Depth, Sample Interval, Field Screen, Blow Counts, Rec., Sample Lithology, Comments, Completion Details

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Interval</th>
<th>Field Screen</th>
<th>Blow Counts</th>
<th>Rec.</th>
<th>SAMPLE LITHOLOGY</th>
<th>COMMENTS</th>
<th>COMPLETION DETAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S#1, 0-4'</td>
<td>5.3</td>
<td>NA</td>
<td>4.0/4.0</td>
<td>Brown, Clayey Silt, trace to little fine Sand. Moist.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>S#2, 4-8'</td>
<td>10.8</td>
<td>4.0/4.0</td>
<td></td>
<td>Fill - Debris (plastic, glass, f-c Sand &amp; Gravel).</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Tan-brown, fine to medium Sand, little-some Silt. Moist to wet.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**General Comments:**
- Lab sample collected 4-7'.
- Boring Terminated at 8 ftbg.

**Location:**
- **Northing/Latitude:**
- **Easting/Longitude:**
- **Horizontal Datum:** Lat/Long
- **Vertical Datum:** Assumed 100 ft. elev. benchmark

**General Comments:**
- fbfg = Feet Below Grade
- NC = Not Collected

**Symbol Key:**
- Apparent Water Level
- Lab Sample Location

**Page 1 of 1**
Wheatfield, New York 0901536

Logged By: E. Popken
Dates Drilled: 6/6/13
Drilling Company: Quality Inspection Services
Drill Rig Type: Acker Soil Scout

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Interval</th>
<th>Field Blow Counts</th>
<th>Rec.</th>
<th>SAMPLE LITHOLOGY</th>
<th>COMMENTS</th>
<th>COMPLETION DETAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S#1, 0-4'</td>
<td>439</td>
<td>NA</td>
<td>Fill - Brown, Silty Clay, trace organics, occasional layers of clayey silt, trace debris (glass, metal, plastic). Slight solvent odor. Moist.</td>
<td>Lab sample collected 0-4'.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>S#2, 4-8'</td>
<td>139</td>
<td>NC</td>
<td>Gray, f-m Sand, little-some Silt. Slight solvent odor. Moist to wet.</td>
<td>No Recovery 4-8'. Slight solvent odor on Macro-core sleeve.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>S#3, 8-12'</td>
<td>249</td>
<td>0/4.0'</td>
<td>Gray, fine to medium Sand, some silt, trace clay. Solvent odor.</td>
<td>Lab sample collected 8-10'.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wet.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>S#4, 12-16'</td>
<td>1.9</td>
<td>4.0/4.0'</td>
<td>Reddish-brown, CLAY. Soft-medium hardness, plastic. Moist.</td>
<td>Boring Terminated at 16 ftbg.</td>
<td></td>
</tr>
</tbody>
</table>

Location:
Northing/Latitude: Assumed 100 ft. elev. benchmark
Easting/Longitude: Lat/Long
Horizontal Datum: Assumed 100 ft. elev. benchmark
Vertical Datum: Assumed 100 ft. elev. benchmark

General Comments:
- Lab sample collected 0-4'.
- No Recovery 4-8'. Slight solvent odor on Macro-core sleeve.
- Lab sample collected 8-10'.
- Boring Terminated at 16 ftbg.

Symbol Key:
- Apparent Water Level
- Lab Sample Location

SOIL BORING LOG
ID NO. SB-J
SOIL BORING LOG

ID NO. SB-K

PROJECT: Nash Rd Landfill, Site #932054
ADDRESS: Wheatfield, New York
JOB NO. 0901536

Logged By: E. Popken
Dates Drilled: 6/6/13
Drilling Company: Quality Inspection Services
Drill Rig Type: Acker Soil Scout

SURFACE ELEV.: 34 ft
WATER DEPTH: 8 ft
CASING EL.: 0 ft
BOREHOLE DIA.: 3 in.
WELL DIA.: 3 in.

Drilling Method: Direct Push
Sampling Method: Macro Core
Soil Class. System: Burmister
Field Screening: MiniRae 2000 PID w/10.6 eV lamp (PPM)

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Interval</th>
<th>Field Screen</th>
<th>Blow Counts</th>
<th>Rec.</th>
<th>SAMPLE LITHOLOGY</th>
<th>COMMENTS</th>
<th>COMPLETION DETAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S#1, 0-4'</td>
<td>0.4</td>
<td>NA</td>
<td>4.0/4.0</td>
<td>Fill, brown silty clay, trace organics, trace debris, no odor, moist</td>
<td>Lab sample collected 2-4'.</td>
<td>Boring Terminated at 8 ftbg.</td>
</tr>
<tr>
<td>9.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Tan-brown, fine to medium sand, little silt, moist</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.4</td>
<td>S#2, 4-8'</td>
<td>5.4</td>
<td>4.0/4.0</td>
<td></td>
<td>Tan-brown, fine to medium sand, little silt, moist, from 5-6 begins to grade to sandy silt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Brown clay, hard, no odor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

General Comments:

Location:
Northing/Latitude: ftbg = Feet Below Grade
Easting/Longitude: NC = Not Collected
Horizontal Datum: Lat/Long
Vertical Datum: Assumed 100 ft. elev. benchmark

Symbol Key:
Apparent Water Level
Lab Sample Location

SB-K p. 1 of 1
SOIL BORING LOG

ID NO. SB-L

PROJECT: Nash Rd Landfill, Site #932054
ADDRESS: Wheatfield, New York
JOB NO. 0901536

Logged By: E. Popken
Dates Drilled: 6/6/13
Drilling Company: Quality Inspection Services
Drill Rig Type: Acker Soil Scout

SURFACE ELEV.: Total Depth: 8 ftbg
WATER DEPTH: CASING EL.:
BOREHOLE DIA.: 3 in.
WELL DIA.:

Drilling Method: Direct Push
Sampling Method: Macro Core
Soil Class. System: Burmister
Field Screening: MiniRae 2000 PID w/10.6 eV lamp (PPM)

Location:
Northing/Latitude: ftbg = Feet Below Grade
Easting/Longitude: NC = Not Collected
Horizontal Datum: Lat/Long
Vertical Datum: Assumed 100 ft. elev. benchmark
Symbol Key:
Apparent Water Level
Lab Sample Location

Depth (feet) Sample Interval Field Screen Blow Counts Rec. SAMPLE LITHOLOGY COMMENTS COMPLETION DETAILS

0 S#1, 0-4' 40.1 NA 0.5/4.0 Brown-gray, CLAY, trace Silt. Hard. Moist.

Lab sample collected 0-4'.

4.0 S#2, 4-8' 8.2 4.0/4.0 Gray, fine Sand, little-some Silt. Moist to Wet.

Gray, CLAY. Hard. Moist.

5 Boring Terminated at 8 ftbg.
### Sample Lithology

<table>
<thead>
<tr>
<th>Depth Interval</th>
<th>Field Screen</th>
<th>Blow Counts</th>
<th>Rec.</th>
<th>Sample Lithology</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4'</td>
<td>0.6</td>
<td>NA</td>
<td>0.1/4.0</td>
<td>Fill - Tan/brown, fine to coarse Sand, and fine to coarse Gravel, trace debris (glass), trace clay. Moist.</td>
</tr>
<tr>
<td>4-8'</td>
<td>100</td>
<td>2.0/4.0</td>
<td></td>
<td>Fill - Grey Clay and Silt, some fine to coarse Sand, trace organics, soil exhibits pattern of re-worked soil fill. Slight solvent odor. Wet.</td>
</tr>
<tr>
<td>8-12'</td>
<td>4.2</td>
<td>3.0/4.0</td>
<td></td>
<td>Red-brown, Clay. Medium Hardness.</td>
</tr>
</tbody>
</table>

**Location:** Wheatfield, New York

**General Comments:**
- Lab sample collected 4-8'.
- Boring Terminated at 12 ftbg.

**Symbol Key:**
- Apparent Water Level
- Lab Sample Location

**Notes:**
- Blg = Feet Below Grade
- NC = Not Collected

**Assumed 100 ft. elev. benchmark**
APPENDIX E

MONITORING WELL DEVELOPMENT DATA
<table>
<thead>
<tr>
<th>Well</th>
<th>Date</th>
<th>Depth to Water (ft btoc)</th>
<th>Total Depth (ft btoc before development)</th>
<th>Total Depth (ft btoc after development)</th>
<th>Chemistry Readings Collected (pre or post development)</th>
<th>Conductivity (mS/cm)</th>
<th>Temperature (°C)</th>
<th>pH</th>
<th>Turbidity (NTU)</th>
<th>ORP (mV)</th>
<th>Purge Volume (Gallons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OW-1</td>
<td>7/26/2013</td>
<td>2.53</td>
<td>10.52</td>
<td>10.54</td>
<td>Pre-development</td>
<td>1.64</td>
<td>17.90</td>
<td>6.85</td>
<td>79.2</td>
<td>39</td>
<td>3.0</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Post-development</td>
<td>1.84</td>
<td>16.34</td>
<td>6.94</td>
<td>274</td>
<td>28</td>
<td>well purged dry</td>
</tr>
<tr>
<td>OW-2</td>
<td>7/26/2013</td>
<td>2.05</td>
<td>10.52</td>
<td>10.55</td>
<td>Pre-development</td>
<td>1.29</td>
<td>20.99</td>
<td>7.56</td>
<td>10.7</td>
<td>67</td>
<td>2.0</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Post-development</td>
<td>3.83</td>
<td>16.72</td>
<td>7.77</td>
<td>&gt;1000</td>
<td>-67</td>
<td>well purged dry</td>
</tr>
<tr>
<td>OW-11</td>
<td>7/26/2013</td>
<td>3.49</td>
<td>12.30</td>
<td>N/A</td>
<td>Pre-development</td>
<td>0.853</td>
<td>18.34</td>
<td>8.00</td>
<td>122.0</td>
<td>-39</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Post-development</td>
<td>N/A</td>
<td></td>
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</tr>
<tr>
<td>OW-13</td>
<td>7/26/2013</td>
<td>3.53</td>
<td>7.74</td>
<td>8.01</td>
<td>Pre-development</td>
<td>2.79</td>
<td>18.22</td>
<td>7.27</td>
<td>62.5</td>
<td>67</td>
<td>1.25</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td>Post-development</td>
<td>2.90</td>
<td>17.59</td>
<td>7.14</td>
<td>607</td>
<td>64</td>
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<tr>
<td>OW-14B</td>
<td>7/26/2013</td>
<td>4.70</td>
<td>9.02</td>
<td>7.21</td>
<td>Pre-development</td>
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<td>20.35</td>
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<tr>
<td></td>
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<td>Post-development</td>
<td>1.53</td>
<td>20.52</td>
<td>7.54</td>
<td>243</td>
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<td>well purged dry</td>
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<tr>
<td>OW-16</td>
<td>7/26/2013</td>
<td>5.63</td>
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<td>Pre-development</td>
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<td>94.0</td>
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<td>OW-21</td>
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<td>3.97</td>
<td>10.19</td>
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<td>Pre-development</td>
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<td>18.10</td>
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<tr>
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<td>Post-development</td>
<td>1.80</td>
<td>17.45</td>
<td>6.92</td>
<td>&gt;1000</td>
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</tr>
<tr>
<td>OW-22</td>
<td>7/26/2013</td>
<td>3.20</td>
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<td>10.26</td>
<td>Pre-development</td>
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<td>17.58</td>
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<td>4.48</td>
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<td>Pre-development</td>
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<td>-16</td>
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<td>Post-development</td>
<td>2.50</td>
<td>17.45</td>
<td>6.50</td>
<td>&gt;499</td>
<td>30</td>
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<td>OW-24</td>
<td>7/26/2013</td>
<td>4.60</td>
<td>13.07</td>
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<td>102</td>
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<td>Pre-development</td>
<td>1.30</td>
<td>14.53</td>
<td>7.02</td>
<td>&gt;499</td>
<td>-29</td>
<td>well purged dry</td>
</tr>
<tr>
<td></td>
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<td>18.72</td>
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<td>Post-development</td>
<td>11.5</td>
<td>14.81</td>
<td>6.95</td>
<td>&gt;499</td>
<td>-26</td>
<td>well purged dry</td>
</tr>
</tbody>
</table>

Notes: mS/cm = millisiemens/centimeter
°C = degrees celsius
NTU = Nephelometric Turbidity Units
NC = Parameter could not be collected
mV = milliVolts

Well bent or broken at 4.9 feet from TOC, did not purge, as tooling did not fit past bend/break
Well may have been broken during surging, during well development. Filter sand in well.