



**Quarterly Report of Progress (February 2011-April 2011)  
Operations and Maintenance  
Remediation Systems for Gasoline Alley and Army Air Force  
Exchange Service Station  
Fort Drum, New York**



United States Army Environmental Command



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**LIST OF ACRONYMS & ABBREVIATIONS**

AAFES	Army Air Force Exchange Service
AAS	Aquifer Air Sparging
bgs	below ground surface
BTEX	Benzene, toluene, ethylbenzene, and xylenes
cfm	cubic feet per minute
DO	Dissolved Oxygen
DPE	Dual-phase extraction
ft	Feet
gpm	gallons per minute
ISCO	In-Situ Chemical Oxidation
LIF	Laser-Induced Fluorescence
LNAPL	Light Non-Aqueous Phase Liquid
MIP	Membrane Interface Probe
ug/l	Micrograms per liter
MPE	Multi-phase extraction
NYSDEC	New York State Department of Environmental Conservation
O&M	Operation and maintenance
ORP	Oxidation-Reduction Potential
PID	Photoionization Detector
Plexus	Plexus Scientific Corporation
POTW	Publicly-Owned Treatment Works
ppm	parts per million
psi	pounds per square inch
SVE	Soil Vapor Extraction
USEPA	United States Environmental Protection Agency
UVOST	Ultra-Violet Optical Screening Tool
VOC	Volatile Organic Compounds

## 1.0 INTRODUCTION

### 1.1 Gasoline Alley Site Descriptions

Gasoline Alley is located in the southwest corner of the Fort Drum Military Installation, within the developed portion of the installation known as the Cantonment Area (**Figure 1-1**). The 2-mile-long thoroughfare consists of two parallel one-way streets (Oneida and Ontario Avenues) and the associated unpaved median located between the two avenues.

Nine former fuel dispensing areas were located in or near the Gasoline Alley median. The former dispensing areas are referred to as Areas 1195, 1295, 1395, 1495, 1595, 1795, 1895, 1995, and 3805; however, only five of those areas (Areas 1295, 1595, 1795, 1995, and 3805) and the Army Air Force Exchange Services (AAFES) Service Station (Building P-2140) are discussed in this report. Under Delivery Order 0004, Plexus Scientific Corporation (Plexus) provided operation and maintenance (O&M) services at the following Gasoline Alley sites through 30 April 2011.

#### 1.1.1 Area 1295

Three areas of soil and groundwater contamination have been identified during the installation of monitoring wells, as well as through direct push sampling. No remediation system was ever installed due to site constraints. Alternatively, in-situ chemical oxidation (ISCO) injections, using a hydrogen peroxide-based chemical oxidant mixture with Fenton's Reaction chemistry, were conducted in 2006 and 2007. Five full-scale injections were conducted at each of three source treatment areas. Results indicated that the ISCO injections were not effective at sufficiently reducing the benzene, toluene, ethylbenzene and total xylenes (BTEX) concentrations in the groundwater at Area 1295. The results of the Membrane Interface Probe (MIP) and Laser Induced Fluorescence (LIF) Ultraviolet Optical Screening Tool (UVOST) Investigations conducted in April 2009 indicated, an area of impacted soil potentially contributing to the groundwater impact at Area 1295. The horizontal distribution of this zone has been delineated and consists of an approximately 20-feet (ft) wide north south trending area of impacted soils and groundwater extending between eight and 12 ft below grade surface (bgs).

As outlined in the Workplan for Mobile Ozone Aquifer Air Sparging System, dated August 2009, Plexus installed 12 injection points to a depth of approximately 11 to 13-ft bgs. The injection points were constructed of two inch schedule 80 PVC consisting of two-feet of 40-micron Schuma Screen diffuser and approximately 10-ft of solid riser to be finished at grade with a flushmount well cover. The intent of the injection duration was to be one month followed by an evaluation and determination of future application. Based on the response to treatment from other area applications and for flexibility in treatment technology, Plexus installed 12 points to depths ranging from 11 to 13-ft bgs with a standard 2-inch monitoring well construction. Injection stingers were constructed as detailed in the work plan. In addition to the use of a monitoring well construction, Plexus learned from previous applications that though the fluctuations in dissolved oxygen (DO) and oxidation-reduction potential (ORP) were indications of gas delivery, application durations longer than two months were necessary for observable reductions in contaminant concentrations. The ozone treatment unit was mobilized from Area 1795



and began operation on 22 July 2010, and continued to 6 December 2010. The unit was shut down due to weather conditions and will resume operation in April 2011. Results and recommendations for this site are presented later in this document.

### **1.1.2 Area 1595**

An Interim Remedial Action was implemented at Area 1595 in 1991. The Interim Remedial Action consisted of installing a treatment facility (Building 1599) that treated groundwater extracted from four recovery wells (1595-RW1, 1595-RW3, 1595-RW4, and 1595-RW5) using an air stripper. On 23 June 2005, the groundwater treatment system was shut off and decommissioned in preparation for the soil vapor extraction (SVE) and aquifer air sparging (AAS) system installation. Construction of the SVE/AAS system was completed between July and November 2005. The SVE/AAS system was started in December 2005. The SVE/AAS treatment system is designed to address constituents of concern in subsurface soil, groundwater, and surface water at Area 1595. The system was shut down on 21 December 2009 in preparation of ozone injection activities, as outlined in the Workplan for Mobile Ozone Aquifer Air Sparging System, dated August 2009.

Based on the results of the MIP and LIF UVOST Investigations conducted in April 2009, an area of impacted soil potentially contributing to the groundwater impact at Area 1595 was identified in the area of 1595-PZ9. The ozone treatment unit was mobilized from Area 1395 and began operation on 22 December 2009, running through 22 February 2010. Although fluctuations in DO and ORP were observed during the application at Area 1395, a two-month application duration was applied at Area 1595 to determine if contaminant reduction could be observed. Ozone was applied to the subsurface in the area via 10 injection points as a "hot-spot" treatment application in the area of monitoring point, 1595-PZ9. Following the ozone application, the AAS system was re-activated primarily to supply air to the subsurface to augment biodegradation activities.

Additionally, based on the general chemistry data that Plexus has been collecting during groundwater sampling events, a work plan for nutrient application at Area 1595 was submitted in August 2010. The work plan identified a nutrient mixture of nitrogen:phosphorous:potassium being applied to the subsurface via the air sparge system injection points for three consecutive months. Upon receipt of the required approvals, NYSDEC and USEPA Region II, Plexus began the application in January 2011 and completed it in March 2011. Sampling was completed in April 2011 and validated groundwater results were received in June 2011 and presented under another cover as a Pilot Test Results document. Following the nutrient application, the AAS system was re-activated to continue to supply air to the subsurface to augment biodegradation activities. Operating system results and recommendations for this site are presented later in this document.

### **1.1.3 Area 1795**

The bio-slurping pilot treatment system was shut down in September 2000. Select site wells were subsequently gauged on a monthly basis between September 2000 and July 2006 to monitor the water table elevation and light non-aqueous phase liquids (LNAPL). LNAPL were recovered from site wells when present. Multi-phase extraction (MPE) and AAS technologies were selected to address the source area vadose zone soil and

saturated smear zone soil at Area 1795. Site work for the installation of three new SVE/AAS remediation systems was completed between Spring and Winter 2007. Start up and prove out of the SVE/AAS systems began in January 2008. The remedial systems included in this report were installed at the locations described below:

- Area 1795 Zone 1, south of the railroad tracks including the median between Oneida and Ontario Avenues (System A)
- Area 1795 Zone 2, north of the railroad tracks and east of the WWII Landfill (System B)
- Area 1795 Zone 3, north of the WWII Landfill (System C)

The system was shut down on 22 April 2010 in preparation of ozone injection activities. The ozone treatment unit was mobilized from Area 1595 and began operation on 22 April 2010, running through 26 April 2010, when it was shut down to allow the SVE system to extract elevated petroleum vapors detected within area monitoring wells. Ozone was applied to the subsurface in the area via six injection points. The SVE/AAS systems continue to run and isolation of the various system extraction legs has enhanced the contaminant recovery. Results and recommendations for this site are presented later in this document.

#### **1.1.4 Areas 3805 and 1995**

MPE and AAS technologies were selected to address the source area vadose zone soil, LNAPL, and saturated smear zone soil at Areas 3805 and 1995. The remedial systems included in this report were installed at the locations described below:

- Area 3805 north, directly south of New York State Route 26 (System A)
- Area 3805 south, remaining portion of Area 3805 (System B)
- Area 3805, north of New York State Route 26 (System C)
- Area 1995 (System D)

The Area 3805 MPE/AAS systems were started in November 2003 (Systems A and B) and October 2003 (System C). The Area 1995 MPE/AAS system (System D) was started in May 2004.

The AAS system was expanded in 2007 to enhance remediation of the dissolved plume in the downgradient area of the site and improve the performance of System C. Field activities associated with the AAS system expansion were completed between May and August 2007, which consisted of the installation of 18 AAS wells and associated underground piping, and retrofitting the existing trailer. Results and recommendations for this site are presented later in this document.

## **1.2 Army Air Force Exchange Service Station Site Description**

The Army Air Force Exchange Service (AAFES) Station (Building P-2140), which is an active retail gasoline facility, is located at the southwest corner of Fort Drum (**Figure 1-1**).

### **1.2.1 Dual-Phase Extraction System**

A dual-phase extraction (DPE) treatment system began operation on 30 January 2002. The objective of the DPE system is to address separate-phase product and residual soil contamination in the source area of the AAFES Station (Building P-2140) site. In order to improve the performance of the DPE system, an AAS system was installed in the source area in 2006 to enhance remediation of the dissolved plume by addressing residual soil contamination below the water table. In addition, AAS in the source area is expected to increase contaminant recovery rates during periods of elevated water table and provide an overall cost savings for the duration of the site remediation by accelerating the removal of constituents of concern. Field activities associated with the DPE system enhancements were completed between November 2005 and February 2006, which included the installation of 16 AAS wells and associated underground piping, and retrofitting an existing trailer with AAS equipment.

As outlined in the Workplan for Mobile Ozone Aquifer Air Sparging System, dated August 2009, Plexus installed seven injection points ranging between 25 to 30-ft bgs in the area of monitoring well MW02 and downgradient. The DPE/AAS system was shut down on 22 December 2009 in preparation of ozone injection activities. The ozone treatment unit began operation on 22 December 2009, running through 12 May 2010 when the ozone generator circuit board failed and the system was switched to air sparge only. The ozone system was taken completely off line on 24 June 2010 for system repairs and upgrades and the existing DPE/AAS system was activated. As of 24 September 2010, the ozone injection system was mobilized back to the site and reactivated. Although fluctuations in DO and ORP were observed during the applications at Areas 1395 and 1595, the depth and concentrations experienced at AAFES Station (Building P-2140) indicated that a continuous application coupled with the scheduled sampling events would be necessary to monitor contaminant reduction and determine deactivation. Since the observed impact appears to be at a depth greater than the existing DPE infrastructure, ozone is being applied to the subsurface of the service station via seven newly installed injection points. Results and recommendations for this site are presented later in this document.

### **1.2.2 Aquifer Air Sparging with Ozone System**

The AAS with ozone treatment system was installed in Fall 2000, and began operation on 14 December 2000. The purpose of the AAS with ozone treatment system is to treat the dissolved-phase benzene, toluene, ethylbenzene, and total xylenes and methyl tertiary-butyl ether plume downgradient of the source area prior to the downgradient wetlands and Fort Drum property line. Analytical results from the groundwater samples in this area indicated that total BTEX concentrations in groundwater had been reduced below New York State Department of Environmental Conservation (NYSDEC) standards. Therefore, the AAS with ozone treatment system was deactivated on 23 March 2009 following NYSDEC concurrence and approval. The area remains in a post-remedial monitoring phase. Results and recommendations for this site are presented later in this document.

## 2.0 SYSTEM OPERATION AND PERFORMANCE MONITORING ACTIVITIES

System operation and performance monitoring activities were completed at each site by Plexus during the reporting period (February 2011 to April 2011). Plexus took over the operation and monitoring activities from EA effective 1 May 2008. The one exception is Area 1795, which Plexus took over effective 7 July 2008.

### 2.1 Area 1295

#### 2.1.1 Ozone System

Continued elevated concentrations of dissolved petroleum hydrocarbon within the groundwater indicated that active remediation was necessary. The results of the MIP and LIF UVOST Investigations, conducted in April 2009, indicated an area of soil contamination potentially contributing to the groundwater impact. Subsequently, the ozone treatment unit was mobilized from Area 1795 and began operation on 22 July 2010 at the site. Ozone application to the subsurface was conducted in the area via 12 injection points (**Figure 2-1**).

#### 2.1.2 Performance Monitoring

Following remobilization and activation of the mobile ozone system on 12 April 2011, daily performance monitoring and O&M activities were conducted at Area 1295. Scheduled activities performed during this period included inspection and service of system components and adjustment of airflow rates to sparge wells to maximize system performance and effectiveness.

Ozone injection pressure and flow rates were recorded during the daily site visits. If flow rates and injection pressures required adjustment, the new flow rate and/or pressure was recorded. The 1295 ozone injection system operated 10 days during the reporting period. Based on the 10 days of potential operating time (excludes scheduled downtime), the system achieved 100 percent uptime during this monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	7	17	41
Operational downtime	0	10	0
Unscheduled downtime	0	10	0
Total unexpected downtime	0	10	0

A detailed breakdown of AAS system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
2/1/11	4/12/11	Scheduled	Off for weather conditions
4/15/11	4/21/11	Scheduled	Off for basewide sampling event
4/26/11	4/26/11	Scheduled	Off for maintenance

### 2.2 Area 1595

Daily O&M site visits were conducted during the reporting period to monitor treatment system performance, collect operational data, and make necessary adjustments to the

treatment system to optimize system performance. Scheduled maintenance performed during the period included lower explosive limit sensor calibration, vacuum pump and compressor oil changes, filter cleanings, vacuum pump belt adjustments, and static liquid level collection.

## 2.2.1 Soil Vapor Extraction System

### 2.2.1.1 System Operation

The Area 1595 SVE treatment system (**Figure 2-2**) did not operate between 1 February 2011 and 29 April 2011. The system was shut down on 13 April 2010 for an LNAPL recharge test. The recharge test results indicated little to no recharge and these results combined with the low hydrocarbon vapor recovery, as indicated in the daily system effluent vapor records, supported the continued deactivation of the SVE portion of System 1595. LNAPL gauging of selected monitoring and system wells will continue, and the SVE system will be activated should gauging results indicate that it is necessary.

## 2.2.2 Aquifer Air Sparging System

### 2.2.2.1 System Operation

The Area 1595 AAS system operated for 78 days between 1 February 2011 and 29 April 2011 derived from the system's operation hour meter. Based on the 80 days of potential operating time (excludes scheduled downtime), the system achieved 98 percent uptime during this monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	8	88	9
Operational downtime	1	80	1
Unscheduled downtime	1	80	1
Total unexpected downtime	2	80	2

A detailed breakdown of AAS system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
2/14/11	2/14/11	Scheduled	YSI sampling event
3/15/11	3/15/11	Scheduled	YSI sampling event
4/15/11	4/21/11	Scheduled	Basewide sampling event
4/22/11	4/22/11	Operational	Off due to low air
4/26/11	4/26/11	Unscheduled	Power outage

### 2.2.2.2 Performance Monitoring

Daily performance monitoring and O&M activities were conducted at the Area 1595 AAS system. Scheduled activities performed during this period included inspection and service of system components and adjustment of airflow rates to sparge wells to maximize system performance and effectiveness.

Air injection pressure and flow rates were recorded during the daily site visits. If flow rates and injection pressures required adjustment, the new flow rate and/or pressure was recorded.

In addition, DO, ORP, and photoionization detector (PID) readings were collected on a monthly basis from select wells, beginning in December 2008, to help analyze system effectiveness.

## 2.3 Area 1795

Daily O&M site visits were conducted during the monitoring period to monitor treatment system performance, collect operational data, and make necessary adjustments to the treatment systems to optimize system performance. Scheduled maintenance performed during the period included lower explosive limit sensor calibration, vacuum pump and compressor oil changes, filter cleanings, and vacuum pump belt adjustments.

### 2.3.1 Multi-Phase Extraction Systems

#### 2.3.1.1 Area 1795 - System A Operation

The initial design configuration for Area 1795 System A (**Figure 2-3**) runs extraction Legs 1, 5, and 6. However, on 1 December 2009, system extraction Legs 1 and 6 were replaced with Legs 3 and 4, due to an oil leak on the System B extraction blower. Subsequently, the System B blower was repaired, but the recovery efficiency and effectiveness of utilizing one extraction blower while switching extraction legs to isolate “hot-spot” extraction remained high, and Plexus continued with the single extraction blower configuration. The MPE treatment system operated for 76 days between 1 February 2011 and 29 April 2011 derived from the system's operation hour meter. Based on the 78 days of potential operating time (excludes scheduled downtime), the system achieved 98 percent uptime during this monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	10	88	11
Operational downtime	1	78	1
Unscheduled downtime	1	78	1
Total unexpected downtime	1	78	1

A detailed breakdown of MPE system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
4/1/11	4/5/11	Scheduled	System deactivated for a VOC vapor surge test
4/13/11	4/13/11	Unscheduled	Power outage
4/15/11	4/21/11	Scheduled	Basewide sampling event

#### 2.3.1.2 Area 1795 - System B Operation

Area 1795 System B (**Figure 2-3**) runs extraction Legs 2, 3, and 4. On 1 December 2009, an oil leak was discovered in the SVE blower and subsequently repaired. Legs 3 and 4, located within the center of the contaminant plume, were subsequently tied in to 1795 System A so that this area would continue to be treated. High efficiency and effectiveness from the utilization of a single extraction blower for “hot-spot” treatment have resulted in the continued deactivation of System B extraction blower.

### 2.3.1.3 Performance Monitoring

Daily performance monitoring and O&M activities were conducted on the Area 1795 MPE system. Scheduled activities performed during this period included inspection and service of system components and adjustment of vacuum extraction rates from the recovery wells to maximize system performance and effectiveness.

Extraction vacuum and flow rates on the MPE system and select well heads were recorded during the daily site visits, or as weather conditions permitted. If the flow rate required adjustment, the new flow rate was recorded. Additionally, extracted soil vapor concentrations and airflow rates were collected after the vacuum pump.

### 2.3.2 Aquifer Air Sparge System

The AAS systems were operated during the monitoring period to augment the Area 1795 MPE/SVE systems in areas where separate-phase product was not present.

#### 2.3.2.1 Area 1795 - System A Operation

Area 1795 System A AAS system operated for 77 days between 1 February 2011 and 29 April 2011 derived from the system's operation hour meter. Based on the 78 days of potential operating time (excludes scheduled downtime), the system achieved 99 percent uptime during this monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	10	88	11
Operational downtime	0	78	0
Unscheduled downtime	1	78	1
Total unexpected downtime	1	78	1

A detailed breakdown of AAS system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
4/1/11	4/5/11	Scheduled	System deactivated for a VOC vapor surge test
4/13/11	4/13/11	Unscheduled	Power outage
4/15/11	4/21/11	Scheduled	Basewide sampling event

#### 2.3.2.2 Area 1795 - System B Operation

Area 1795 System B AAS system operated for 77 days between 1 February 2011 and 29 April 2011 derived from the system's operation hour meter. Based on the 78 days of potential operating time (excludes scheduled downtime), the system achieved 99 percent uptime during this monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	10	88	11
Operational Downtime	0	78	0
Unscheduled	1	78	1
Total unexpected downtime	1	78	1

A detailed breakdown of AAS system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
4/1/11	4/5/11	Scheduled	System deactivated for a VOC vapor surge test
4/13/11	4/13/11	Unscheduled	Power outage
4/15/11	4/21/11	Scheduled	Basewide sampling event

### 2.3.2.3 Area 1795 - System C Operation

Area 1795 System C (**Figure 2-4**) runs Lines 7, 8 and 9. The AAS treatment system operated for 82 days between 1 February 2011 and 29 April 2011 derived from the system's operation hour meter. Based on the 82 days of potential operating time (excludes scheduled downtime), the system achieved 100 percent uptime during the monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	6	88	7
Operational downtime	0	82	0
Unscheduled downtime	0	82	0
Total unexpected downtime	0	82	0

A detailed breakdown of AAS system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
4/15/11	4/21/11	Scheduled	Basewide sampling event

### 2.3.2.4 Performance Monitoring

Daily performance monitoring and O&M activities were conducted at the Area 1795 AAS systems. Scheduled activities performed during this period included inspection and service of system components and adjustment of airflow rates to sparge wells to maximize system performance and effectiveness.

Air injection pressure and flow rates were recorded during the daily site visits. If flow rates and injection pressures required adjustment, the new flow rate and/or pressure was recorded. As the primary objective of the AAS technology is the air stripping of dissolved contaminants within the groundwater, all the air sparge wells were activated to maximize stripping and increase the potential for elevating the DO levels. The injection pressure was monitored to stay within the design specifications.

In addition, DO, ORP, and PID readings were collected on a monthly basis from select wells, beginning in December 2008, to help analyze system effectiveness.

## 2.4 Areas 3805 And 1995

Daily O&M site visits were conducted during the monitoring period to monitor treatment system performance, collect operational data, and make necessary adjustments to the treatment system to optimize system performance. Scheduled maintenance performed during the period included lower explosive limit sensor calibration, vacuum pump and compressor oil changes, filter cleanings, and vacuum pump belt adjustments.



## 2.4.1 Multi-Phase Extraction Systems

### 2.4.1.1 Area 3805 - System A

Area 3805 System A (**Figure 2-5**) primarily runs Lines 3, 4, and 5. The MPE treatment system did not operate between 1 February 2011 and 29 April 2011. The system operated from 15 April 2008 until it was deactivated following the system evaluation and optimization activities conducted in April 2009. The SVE portions of System 3805 A should remain off until system modifications are completed or monthly gauging indicates that the groundwater table has dropped sufficiently to expose five feet of well screen, to allow for effective removal of hydrocarbon vapors.

### 2.4.1.2 Area 3805 - System B

Area 3805 System B (**Figure 2-6**) primarily runs Lines 6, 7, 8, 9, 10 and 11. Lines 10 and 11 were turned on in July 2008, but turned off again when it was determined that they were believed to be damaged and subsequently pulling too much water into the system. Although monthly gauging activities have not indicated that the groundwater table had dropped sufficiently to allow for effective removal of hydrocarbon vapors, the system remained in operation, since 15 April 2008, to address the persistent LNAPL detected in areas of the site. LNAPL detections have since decreased to the point where the system was deactivated on 29 July 2010. Although the system recorded one day of operation following repairs and confirmation testing, it should remain off until system modifications are completed or monthly gauging indicates that the groundwater table has dropped sufficiently to expose five feet of well screen, to allow for effective removal of hydrocarbon vapors.

### 2.4.1.3 Area 3805 - System C

Area 3805 System C (**Figure 2-7**) runs Lines 1 and 2. The MPE treatment system operated for 11 days between 1 February 2011 and 29 April 2011 derived from the system's operation hour meter. Based on the 81 days of potential operating time (excludes scheduled downtime), the system achieved 14 percent uptime during this monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	7	88	8
Operational downtime	70	81	86
Unscheduled downtime	0	81	0
Total unexpected downtime	70	81	86

A detailed breakdown of MPE system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
2/1/11	4/11/11	Operational	Off for repairs for transfer pump
4/15/11	4/22/11	Scheduled	Basewide sampling event

### 2.4.1.4 Area 1995 - System D

Area 1995 System D (**Figure 2-8**) is comprised of Lines 12 and 13. The SVE system was deactivated on 6 August 2008 due to an internal leak in the SVE blower.

#### 2.4.1.5 Performance Monitoring

Daily performance monitoring and O&M activities were conducted on the Area 3805 and 1995 MPE systems. Scheduled activities performed during this period included inspection and service of system components and adjustment of vacuum extraction rates from the recovery wells to maximize system performance and effectiveness.

Extraction vacuum and flow rates on the MPE system and select well heads were recorded during the weekly site visits, or as weather conditions permitted. If the flow rate required adjustment, the new flow rate was recorded. In addition, extracted soil vapor concentrations and airflow rates after the vacuum pump were monitored and recorded daily.

### 2.4.2 Aquifer Air Sparging Systems

The AAS systems were operated during the monitoring period to augment the MPE/SVE systems in areas where separate-phase product was not present.

#### 2.4.2.1 Area 3805 - System A

As the primary objective of the AAS technology is the air stripping of dissolved contaminants within the groundwater, all the air sparge wells were activated to maximize stripping and increase the potential for elevating the DO levels. The injection pressure was monitored to stay within the design specifications. Although the system A blower has experienced mechanical problems and subsequently repaired, the AAS lines for the system were connected to the system B blower and treatment was applied to the area in conjunction with the B uptime.

#### 2.4.2.2 Area 3805 - System B

As the primary objective of the AAS technology is the air stripping of dissolved contaminants within the groundwater, all the air sparge wells were activated to maximize stripping and increase the potential for elevating the DO levels. The injection pressure was monitored to stay within the design specifications. System B equipment operated during this quarter using 32 AAS wells, plus the additional 17 AAS wells from system A. The AAS treatment system operated for 80 days between 1 February 2011 and 29 April 2011 derived from the system's operation hour meter. Based on the 81 days of potential operating time (excludes scheduled downtime), the system achieved 99 percent uptime during this monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	7	88	8
Operational downtime	0	81	0
Unscheduled downtime	0	81	0
Total unexpected downtime	0	81	0

A detailed breakdown of AAS system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
4/15/11	4/22/11	Scheduled	Basewide sampling event

#### 2.4.2.3 Area 3805 - System C

As the primary objective of the AAS technology is the air stripping of dissolved contaminants within the groundwater, all the air sparge wells were activated to maximize stripping and increase the potential for elevating the DO levels. The injection pressure was monitored to stay within the design specifications. The AAS treatment system operated for 80 days between 1 February 2011 and 29 April 2011 derived from the system's operation hour meter. Based on the 81 days of potential operating time (excludes scheduled downtime), the system achieved 99 percent uptime during this monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	7	88	8
Operational downtime	0	81	0
Unscheduled downtime	0	81	0
Total unexpected downtime	0	81	0

A detailed breakdown of AAS system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
4/15/11	4/22/11	Scheduled	Basewide sampling event

#### 2.4.2.4 Area 1995 - System D

As the primary objective of the AAS technology is the air stripping of dissolved contaminants within the groundwater, all the air sparge wells were activated to maximize stripping and increase the potential for elevating the DO levels. The injection pressure was monitored to stay within the design specifications. The AAS treatment system operated for 78 days between 1 February 2011 and 29 April 2011 derived from the system's operation hour meter. Based on the 81 days of potential operating time (excludes scheduled downtime), the system achieved 96 percent uptime during this monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	7	88	8
Operational downtime	1	81	1
Unscheduled downtime	2	81	2
Total unexpected downtime	3	81	3

A detailed breakdown of AAS system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
3/18/11	3/18/11	Operational	LEL alarm fault
4/13/11	4/13/11	Unscheduled	Power outage
4/15/11	4/22/11	Scheduled	Basewide sampling event
4/26/11	4/26/11	Unscheduled	Power outage

### 2.4.2.5 Performance Monitoring

Daily performance monitoring and O&M activities were conducted at the Area 3805 AAS systems. Scheduled activities performed during this period included inspection and service of system components and adjustment of airflow rates to sparge wells to maximize system performance and effectiveness.

Air injection pressure and flow rates were recorded during the daily site visits. If flow rates and injection pressures required adjustment, the new flow rate and/or pressure was recorded. In addition, DO, ORP, and PID readings were collected on a monthly basis from select wells, beginning in December 2008, to help analyze system effectiveness.

## 2.5 Army Air Force Exchange Service Station

### 2.5.1 Dual-Phase Extraction System

Daily O&M site visits were conducted throughout the period to monitor treatment system performance, collect operational data, and make necessary adjustments to the treatment system to optimize system performance.

#### 2.5.1.1 System Operation

Due to a mechanical problem with the air compressor in the ozone trailer, the AAFES Station (Building P-2140) DPE system (**Figure 2-9**) operated for 17 days between 1 February 2011 and 29 April 2011 derived from the system's operation hour meter. Based on the 18 days of potential operating time (excludes scheduled downtime), the system achieved 99 percent uptime during this monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	70	88	80
Operational downtime	0	18	0
Unscheduled downtime	0	18	0
Total unexpected downtime	0	18	0

A detailed breakdown of system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
1/31/11	4/4/11	Scheduled	Ozone injection system active
4/15/11	4/21/11	Scheduled	Basewide sampling event

#### 2.5.1.2 Performance Monitoring

Daily performance monitoring and O&M activities were conducted at the AAFES Station (Building P-2140) DPE and AAS treatment system. Scheduled activities performed during this period included inspection and service of system components and adjustment of airflow rates for the extraction and air sparging wells to maximize system performance and effectiveness. The locations of these wells/piezometers are depicted on **Figure 2-9**.

Extraction pressure and flow rates at the DPE system and well heads were recorded during the weekly site visits. If the flow rate required adjustment, the new flow rate was

recorded. The extraction airflow rate, after the vacuum pump, was monitored weekly from a pitot tube installed on the extraction line. In addition, volatile organic compound (VOC) concentrations were monitored and recorded weekly.

### 2.5.2 Aquifer Air Sparging System

The AAS systems were operated during the monitoring period to augment the MPE/SVE systems in areas where separate-phase product was not present. Typically, the system was operated using all 16 AAS wells (2140-AAS1 through 2140-AAS16).

#### 2.5.2.1 System Operation

Due to a mechanical problem with the air compressor in the ozone trailer, the AAFES Station (Building P-2140) AAS treatment system operated for 12 days between 1 February 2011 and 29 April 2011 derived from the system's operation hour meter. Based on the 12 days of potential operating time (excludes scheduled downtime), the system achieved 100 percent uptime during this monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	76	88	86
Operational downtime	0	12	0
Unscheduled downtime	0	12	0
Total unexpected downtime	0	12	0

A detailed breakdown of system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
1/31/11	4/4/11	Scheduled	Ozone injection system active
4/15/11	4/21/11	Scheduled	Basewide sampling event

#### 2.5.2.2 Performance Monitoring

Daily performance monitoring and O&M activities were conducted at the AAFES Station (Building P-2140) AAS treatment system. Scheduled activities performed during this period included inspection and service of system components and adjustment of airflow rates for the extraction and air sparging wells to maximize system performance and effectiveness.

Airflow rates and sparge pressures for the AAS system were recorded during each site visit. If flow rates and pressures required adjustment, the new flow and pressure readings were recorded. AAS system pressures at the blower, blower temperature, and run clock hours were also recorded. Plexus technicians also checked the blower and air lines, drained moisture from the header lines, and added or changed blower oil as required throughout the monitoring period.

In addition, DO, ORP, and PID readings were collected on a monthly basis from select wells, beginning in December 2008, to help analyze system effectiveness.

### 2.5.3 Aquifer Air Sparging with Ozone System

The AAS with ozone treatment system was installed in Fall 2000, and began operation on 14 December 2000. Analytical results from the groundwater samples collected in Fall 2008 indicated that total BTEX concentrations in groundwater had been reduced below NYSDEC standards. Therefore, the AAS with ozone treatment system was shut down on 23 March 2009 following NYSDEC concurrence and approval.

The AAS with ozone system was subsequently modified into a mobile treatment unit. In July 2009, with NYSDEC concurrence and approval, Plexus initiated a hot-spot treatment pilot test at Areas 1395 and 1495. Groundwater monitoring will be continued on a semi-annual basis at Areas 1395 and 1495 to evaluate the remedial strategy and develop operating parameters for potential hot-spot application at other areas along Gasoline Alley.

### 2.5.4 Ozone System

#### 2.5.4.1 System Operation

O&M activities associated with the mobile ozone treatment system were conducted at the AAFES Station (Building P-2140) during the reporting period. Continued elevated dissolved petroleum hydrocarbon concentrations within the groundwater indicated that additional active remedial treatment was necessary upgradient of the former USTs. A trailer mounted ozone treatment unit was mobilized and began operation on 22 December 2009, injecting ozone via seven injection point through 12 May 2010 when mechanical problems with the ozone generator caused a failure resulting in no production of ozone. At that time, the trailer mounted system was switched to air sparge only. The ozone system was taken completely off line on 24 June 2010 for system repairs and upgrades and the existing DPE/AAS system was activated. As of 24 September 2010, the ozone injection system was mobilized back to the site and reactivated.

The AAFES Station (Building P-2140) ozone Injection System operated for 55 days between 1 February 2011 and 29 April 2011 derived from the system's operation hour meter. Based on the 82 days of potential operating time (excludes scheduled downtime), the system achieved 68 percent uptime during this monitoring period. System downtime is summarized in the following table:

Reason	Days Down	Total Days	Percentage
Scheduled	6	88	7
Operational downtime	27	82	33
Unscheduled downtime	0	82	0
Total unexpected downtime	27	82	33

A detailed breakdown of system downtime during the period is provided below:

Shut Down	Restarted	Reason	Description
2/10/11	2/10/11	Operational	Off due to manifold alarm
2/24/11	2/24/11	Operational	Off due to manifold alarm
2/25/11	2/25/11	Operational	Off due to manifold alarm
4/4/11	N/A	Operational	Broken air compressor
4/15/11	4/21/11	Scheduled	Basewide sampling event

#### 2.5.4.2 Performance Monitoring

Daily performance monitoring and O&M activities were conducted at the AAFES Station (Building P-2140) while the ozone system was active at the site. Scheduled activities performed during this period included inspection and service of system components and adjustment of airflow rates to sparge wells to maximize system performance and effectiveness.

Air injection pressure and flow rates were recorded during the daily site visits. If flow rates and injection pressures required adjustment, the new flow rate and/or pressure was recorded. In addition, weekly PID, ORP, conductivity, temperature and potential hydrogen (pH) readings were collected from select wells beginning in January 2009, to help analyze system effectiveness.

## 3.0 RESULTS

### 3.1 Area 1295

Ozone treatment of residual hydrocarbon impact within the subsurface at Area 1295 was initiated on 22 July 2010 and continued to 6 December 2010 due to weather related conditions. The system was restarted as of April 12, 2011. Ozone sparge pressure and flows were initially adjusted to the proposed parameters of 12 pounds per square inch (psi) and 5 cubic feet per minute (cfm), but system loading on the portable generator required minor adjustments to both the pressure and flows (5 psi and 3 cfm, respectively) to allow a continuous daily application. Pressures and flows were recorded daily to evaluate the effects on the groundwater and determine future application parameters (**Appendix A, Table A-1**).

Initially, due to the proximity of the monitoring network to the ozone injection wells and the potential to damage field equipment with the ozone, no wells were monitored monthly for DO, ORP, conductivity, and PID, but Plexus implemented a monitoring program at 1295-MW30 beginning in March 2011 to capture the monthly information. As predicted, the fluctuating results of the aforementioned parameters obtained from the monitoring well indicates that delivery of ozone is oxidizing contaminants and providing additional oxygen to augment biodegradation. Groundwater analytical results from samples collected during the Spring 2011 Sampling Event in April 2011, indicate a total BTEX concentration of 2,540.7 micrograms per liter (ug/l) which is a reduction of dissolved contaminants by approximately 33 percent of 3,820.3 ug/l from the previous event, Fall 2010.

## 3.2 Area 1595

### 3.2.1 Light Non-Aqueous Phase Liquid

In general, the water table increased approximately 0.95 feet during the monitoring period. LNAPL was observed in monitoring well 1595-MWS8 during the weekly O&M visits at thicknesses ranging from 0.05 ft (2 February 2011) to 1.47 ft (11 March 2011) (**Appendix A, Table A-2**). LNAPL was also observed in monitoring well 4-4 S, with thickness ranging from 0.36 (7 April 2011) to 0.08 (12 April 2011) (**Appendix B, Table B-1**). If LNAPL is encountered during site visits, removal is conducted by bailer or the extraction system.

### 3.2.2 Soil Vapor Extraction/Multi-Phase Extraction

The combined extraction flow rate (including dilution air) and vacuum pump discharge concentrations could not be calculated due to the system being shutdown during this monitoring period. LNAPL recharge test results combined with the low hydrocarbon vapor recovery, as indicated in the daily system effluent vapor records, support the continued deactivation of the SVE portion of System 1595 (**Appendix B, Table B-2**). The trends in vacuum pump discharge concentration and cumulative contaminant recovery for the system are represented in **Figure 3-1**. Approximately 0.421 gallons of LNAPL were recovered during the monitoring period.

### 3.2.3 Groundwater Treatment

No gallons of groundwater was extracted through the SVE wells during the monitoring period (**Table 3-2**). The extracted groundwater has been historically treated by the air stripper system and discharged to the publicly-owned treatment works (POTW).

### 3.2.4 System Effectiveness Monitoring

In an effort to further analyze system effectiveness, select wells were chosen for monthly monitoring of DO, ORP and PID readings. In addition, temperature, conductivity and pH readings were collected. Results illustrate a fluctuation in values from monitoring event to monitoring event indicating both a delivery of oxygen and an active microbial mass consuming oxygen. A summary of the data is presented in **Table 3-3**. A summary of the nutrient application data collected from wells in extraction Legs 1 through 6 is presented in **Table 3-4**. The nutrient application began in January 2011 and completed in March 2011, in which a mixture of nitrogen:phosphorous:potassium was introduced into the subsurface via the AAS injection points to enhance bacterial growth and stimulate biodegradation.

The Spring 2011 Groundwater Sampling Event results continue to illustrate a contaminant reduction within the plume on average approximately 76 percent from the previous sampling event. For example, 1595-PZ12 yielded a total BTEX concentration of 101.64 ug/l compared to the Fall 2010 results of 434.03 ug/l. Additionally, the areal limits of the plume continues to decrease by being contained within the northernmost treatment leg. The Leg 1 area corresponds to results from monitoring well, MWS7 which has a total BTEX concentration of non-detect and the results from monitoring well MW33 with a total BTEX concentration of non-detect versus the previous sampling event, Fall 2010, of 59.4 ug/l. System pulsing should be conducted to observe and



determine if contaminant concentrations increase and microbial activities continue to naturally degrade the impact.

### 3.2.5 Ozone Treatment

Ozone treatment of residual hydrocarbon impact within the subsurface at Area 1595 began on 22 December 2009 and continued through 22 February 2010 in the area of monitoring point, PZ9. Ozone sparge pressure and flows were initially adjusted to the proposed parameters of 12 pounds per square inch (psi) and 5 cubic feet per minute (cfm) and adjusted daily to maintain those parameters. Post remedial monitoring included weekly collection of PID, ORP, conductivity, temperature and pH readings from select wells to help analyze ozone system effectiveness. Results illustrate a fluctuation in values from monitoring event to monitoring event indicating both a delivery of oxygen and an active microbial mass consuming oxygen. Post remedial monitoring was discontinued at the end of June 2010. The latest groundwater data indicated elevated concentrations of total BTEX at 598.04 ug/l. This is due primarily to an increase in the total xylenes from the Spring 2009 results of 444.7 ug/l. As indicated, the ozone treatment system operated for approximately 2 months on site. Analytical results from groundwater samples collected at PZ9 following the ozone application indicated little effect on the dissolved concentrations. However, combining operational data from the Area 1595 application and data from the applications at Areas 1295, 1395, and 1495, the ozone treatment is more effective if injection duration exceeds 3 months.

## 3.3 Area 1795

### 3.3.1 Light Non-Aqueous Phase Liquid

In general, the water table increased approximately 0.65 feet during the monitoring period. There was no LNAPL observed during the weekly O&M visits. (**Appendix C, Table C-1**). If LNAPL is encountered during site visits, it is removed by bailer or the extraction system.

### 3.3.2 Soil Vapor Extraction/Multi-Phase Extraction

#### 3.3.2.1 Area 1795 - System A

Combined extraction flow rates (including dilution air) and vacuum pump discharge concentrations averaged 393.1 (cfm) and 28.3 (ppm), respectively, during the monitoring period (**Appendix C, Table C-2**). These concentrations equate to the removal of 38.99 gallons of gasoline equivalent from the vapor phase during the monitoring period (**Table 3-5**). The trends in vacuum pump discharge concentration and cumulative contaminant recovery for System A are represented in **Figure 3-2A**. In December 2009, it was determined that one extraction blower had the capacity to efficiently remove vapors from the hot-spot treatment at the site. Therefore, legs 3 and 4 from 1795 System B were tied into 1795 System A and system B was deactivated and used for a back-up unit.

#### 3.3.2.2 Area 1795 - System B

The combined extraction flow rate (including dilution air) and vacuum pump discharge concentrations could not be calculated due to the system being shutdown on 1 December 2009. In order to continue treating the hot-spot of the contamination plume,

legs 3 and 4 were subsequently tied into 1795 System A (**Appendix C, Table C-3**). As a result, there were no gallons of gasoline equivalent removed from the vapor phase this quarter (**Table 3-5**). The trends in vacuum pump discharge concentration and cumulative contaminant recovery for System B are represented in **Figure 3-2B**.

### 3.3.2.3 Area 1795 - System C

System C was started in January 2008 and was in the start-up/shake-out process until Plexus acquired the system on 7 July 2008. The purpose of the system is to keep the area downgradient of the plume oxygen enriched to promote bioremediation (**Appendix C, Table C-4**).

## 3.3.3 Groundwater Treatment

### 3.3.3.1 Area 1795 - System A

Groundwater was not extracted through System A during the monitoring period (**Table 3-6**). The extracted groundwater has been historically treated by the air stripper system and discharged to the POTW.

### 3.3.3.2 Area 1795 - System B

System B did not operate during the reporting period, therefore, groundwater was not extracted or processed for discharge via this unit (**Table 3-6**). The extracted groundwater has been historically treated by the air stripper system and discharged to the POTW.

## 3.3.4 System Effectiveness Monitoring

In an effort to further analyze system effectiveness, select wells were chosen for monthly monitoring of DO, ORP and PID readings. In addition, temperature, conductivity and pH readings were collected. Results illustrate a fluctuation in values from monitoring event to monitoring event indicating both a delivery of oxygen and an active microbial mass consuming oxygen. A summary of the data is presented in **Table 3-7**.

The Spring 2011 Groundwater Sampling Event results indicate a total BTEX contaminant increase at the “hot-spot” monitoring well, MWS7, to 10,372 ug/l from a previous concentration in Fall 2010 of 6,303 ug/l which may be the result of the fluctuating groundwater elevation making contact with residual contamination in the soil pore space. The analytical results indicate that the areal limits of the plume have decreased and what once was a large continuous plume is currently 2 smaller plumes containing individual “hot-spots” (MWS3 and MWS7) with lower dissolved phase concentrations from the initial Fall 2008 concentrations.

## 3.4 Areas 3805 and 1995

### 3.4.1 Light Non-Aqueous Phase Liquid

In general, the water table increased approximately 0.70 feet during the monitoring period. LNAPL was observed at measurable thicknesses during the monitoring period, primarily at extraction well 3805-PZ-10-2 (**Appendix A, Table A-2** and **Appendix D, Table D-1**). The total LNAPL recovered for the quarter was approximately 0.759

gallons. If LNAPL is encountered during gauging events, it is removed by bailer or the extraction system.

### 3.4.2 Soil Vapor Extraction/Multi-Phase Extraction

#### 3.4.2.1 Area 3805 - System A

During the reporting period, the extraction system was not activated due to groundwater flooding of the extraction well screens. Therefore, the combined extraction flow rate (including dilution air) could not be calculated due to the system being shutdown following the evaluation and optimization activities conducted in April 2009. The SVE portions of System A will remain off until monthly gauging indicates that the groundwater table has dropped sufficiently to expose five feet of well screen, to allow for effective removal of hydrocarbon vapors (**Appendix D, Table D-2**). As a result, there was no vapor recovery or removal of measurable gasoline equivalent liquid this quarter (**Table 3-8**). The trends in vacuum pump discharge concentration and cumulative contaminant recovery for System A are represented in **Figure 3-3A**.

#### 3.4.2.2 Area 3805 - System B

The combined extraction flow rate (including dilution air) and vacuum pump discharge concentrations averaged 691.7 cfm and 7.9 ppm, respectively during the short duration of operation to test system level switch operation. Following the system test, the SVE portions of System B was deactivated and will remain off until monthly gauging indicates that the groundwater table has dropped sufficiently to expose five feet of well screen, to allow for effective removal of hydrocarbon vapors (**Appendix D, Table D-3**). As a result, during the short duration of operations, these concentrations equate to the removal of approximately 0.08 gallons of measurable gasoline equivalent liquid this quarter. (**Table 3-8**). The trends in vacuum pump discharge concentration and cumulative contaminant recovery for System B are represented in **Figure 3-3B**.

#### 3.4.2.3 Area 3805 - System C

Combined extraction flow rates (including dilution air) and vacuum pump discharge concentrations averaged 50.7 cfm and 0.1 ppm, respectively, during the monitoring period (**Appendix D, Table D-4**). These concentrations equate to the removal of 0.08 gallons of gasoline equivalent from the vapor phase during the monitoring period (**Table 3-8**). The trends in vacuum pump discharge concentration and cumulative contaminant recovery for System C are represented in **Figure 3-3C**.

#### 3.4.2.4 Area 1995 - System D

The combined extraction flow rate (including dilution air) could not be calculated due to the system being shutdown in August 2008 subsequent to the detection of an internal leak in the soil vapor extraction blower. The system will remain inoperable pending the expected approval of the NYSDEC to leave the soil vapor extraction portion of the system off due to historic lack of vapor recovery (**Appendix D, Table D-5**). As a result, there was no vapor recovery or removal of measurable gasoline equivalent liquid this quarter (**Table 3-8**). The trends in vacuum pump discharge concentration and cumulative contaminant recovery for System D are represented in **Figure 3-3D**.

### 3.4.3 Groundwater Treatment

#### 3.4.3.1 Area 3805 - System A

Extraction for System A was not activated during the reporting period. As a result, groundwater was not extracted or treated during the monitoring period (**Table 3-9**). The extracted groundwater was treated by the air stripper system and discharged to the POTW.

#### 3.4.3.2 Area 3805 - System B

A total of 355 gallons of groundwater were extracted through System B at an average flow rate of 0.38 gallons per minute (gpm) during the monitoring period. (**Table 3-9**). The extracted groundwater has been historically treated by the air stripper system and discharged to the POTW.

#### 3.4.3.3 Area 3805 - System C

A total of 51 gallons of groundwater were extracted through System C at an average flow rate of 0.1 gallons per minute (gpm) during the monitoring period (**Table 3-9**). The extracted groundwater was treated by the air stripper system and discharged to the POTW.

#### 3.4.3.4 Area 1995 - System D

The extraction unit on System D was inactive during the reporting period, Therefore, groundwater was not extracted via the system (**Table 3-9**). The extracted groundwater has been historically treated by the air stripper system and discharged to the POTW.

### 3.4.4 System Effectiveness Monitoring

As mentioned previously, the extraction systems within this area have been deactivated or ineffective since April 2009. As a result, the primary remediation units are the AAS units and in an effort to further analyze system effectiveness, select wells were chosen for monthly monitoring of DO, ORP and PID readings. In addition, temperature, conductivity and pH readings were collected. A summary of the data is presented in **Table 3-10**.

Although the Fall 2010 Groundwater Sampling Event results, presented in the 2010 Draft Annual Basewide Monitoring Report, dated March 2011, indicate a total BTEX contaminant reduction in several monitoring locations within the area (i.e., MWS8 from 1,205.2 ug/l to 982.5 ug/l, MWS11 from 12,789 ug/l to 1,991.5 ug/l, PZ13S from 7,698 ug/l to 2,215 ug/l and PZ14 from 33,870 ug/l to 29,700 ug/l), fluctuating concentrations across the treatment area indicate a need to reevaluate the current system configuration and propose an alternative strategy.

## 3.5 Army Air Force Exchange Service Station

### 3.5.1 Dual-Phase Extraction System

#### 3.5.1.1 Light Non-Aqueous Phase Liquids

In general, the water table increased approximately 0.28 feet during the monitoring period LNAPL was not observed in any of the extraction wells during the monitoring

period (**Appendix E, Table E-1**). If LNAPL are encountered during gauging events, it is removed by bailer or the extraction system.

#### 3.5.1.2 Soil Vapor Extraction

Combined extraction flow rates (including dilution air) and vacuum pump discharge concentrations averaged 462.7 cfm and 0.9 ppm, respectively, during the monitoring period (**Appendix E, Table E-2**). These concentrations equate to the removal of 0.12 gallons of gasoline equivalent from the vapor phase during the monitoring period (**Table 3-11**). The trends in vacuum pump discharge concentration and cumulative contaminant recovery for the system are represented in **Figure 3-4**.

#### 3.5.1.3 Groundwater Treatment

The extraction system was optimized to reduce the volume of groundwater extraction. As a result, groundwater was not recovered while organic vapors were removed during the monitoring period (**Table 3-12**). The extracted groundwater have been historically treated by the air stripper system and discharged to the POTW.

#### 3.5.1.4 System Effectiveness Monitoring

In an effort to further analyze system effectiveness, select wells were chosen for monthly monitoring of DO, ORP and PID readings. In addition, temperature, conductivity and pH readings were collected. Results illustrate a fluctuation in values from monitoring event to monitoring event indicating both a delivery of oxygen and an active microbial mass consuming oxygen. A summary of the data is presented in **Table 3-13**.

### 3.5.2 Ozone Treatment

Ozone treatment of residual hydrocarbon impact within the subsurface at the AAFES Station (Building P-2140) was conducted through the majority of the reporting period. When the system went off-line due to air compressor fault (19 November to 1 December 2010), the existing DPE/AAS system was activated. The ozone injection system cycled through 4 zones at 20 minutes per zone, injecting ozone to one or two injection wells at a pressure of approximately 36 psi and a gas flow of approximately 3.4 scfm (**Appendix E, Table E-3**).

The Spring 2011 Groundwater Sampling Event results indicate a total BTEX contaminant reduction in several monitoring locations within the area. Review of the historical data from monitoring well, MW07 and MW02 indicated a six month contaminant reduction of 17 percent (from 8009.8 ug/l to 6,642 ug/l) and 74 percent (2,446.4 ug/l to 628.9 ug/l), respectively. In addition to the reduction in total plume concentrations, the secondary plume in the area of the former ozone treatment building south of the Reservation boundaries has reported analytical result below regulatory limits.

## 4.0 SUMMARY AND DISCUSSION

System operation and performance monitoring activities were completed at each site by Plexus during the reporting period (February 2011-April 2011). A list of the additional actions performed during site visits, beyond routine data collection, is presented in **Appendix F**. Prior to 7 May 2008, these activities were being performed by others. The majority of these items included maintenance and repairs to the systems to address changing weather and subsurface conditions.

### 4.1 Area 1295

Persistent dissolved petroleum hydrocarbon concentrations in the groundwater indicated that additional active remedial strategy be implemented. With NYSDEC concurrence and approval in July 2009, Plexus initiated hot-spot treatment pilot tests with the mobile ozone treatment system which was previously operated at the wetland area downgradient of the AAFES service station. The mobile ozone treatment system began operation at Area 1295 on 22 July 2010 and continued through 6 December 2010, when it was deactivated due to inclement weather conditions. The system was reactivated on 12 April 2011 and contaminant concentrations continue to decrease. Ozone injection should continue at the site to continue the contaminant reduction.

### 4.2 Area 1595

The AAS system operated 98 percent of the time during the monitoring period, excluding scheduled downtime. The majority of system downtime was attributed power outages, collection of static groundwater elevations, DO/ORP/PID data, and scheduled maintenance (i.e., oil changes, belts, filters, etc.). The SVE performance monitoring data indicate that the system continues to influence the source area.

LNAPL was observed in extraction well 4-4S, with approximately 0.072 gallons recovered during gauging events. Persistent LNAPL were reported in 1595-MWS-8. Approximately 0.0421 gallons of LNAPL were recovered during the monitoring period. When LNAPL were encountered, removal was conducted by bailer or the extraction system.

The SVE system was deactivated on 13 April 2010 to determine if there was LNAPL recharge post ozone treatment and determine if a vapor recovery surge or rebound would occur during the system on/off cycle. System data collected from daily monitoring following scheduled sampling events has indicated that the volatility of the remaining contaminants is low and subsequent groundwater data has indicated that the LNAPL encountered has not dissociated into the dissolved phase and impacted the groundwater where encountered. Weekly and monthly DO, ORP, pH and temperature data indicates that the subsurface is conducive to biological degradation. As a result, a nutrient application of a mixture of nitrogen:phosphorus:potassium has been approved and initiated beginning January 2011 through March 2011. Concurrent with the nutrient application, the AAS continued to operate to provide an oxygen source to enhance bioremediation.

### 4.3 Area 1795

SVE System A operated 99 percent of the time during the monitoring period, excluding scheduled downtime. The SVE portion of System B was shut down on 2 December 2009, at which time the associated legs were tied into System A. AAS Systems A, B, and C operated 99, 99, and 98 percent of the time during the monitoring period. Although the systems came online in January 2008, it was in a start-up/shake-out period until Plexus took the system over in July 2008.

A combined total of approximately 38.99 gallons of gasoline equivalent (vapor phase) were recovered from the subsurface from February through April 2011. A total of 1,160.38 gallons of gas equivalent (vapor phase) have been removed from the subsurface since operation of the SVE and AAS systems began in July 2008. An increase in extraction screen exposure has facilitated the increase in vapor phase recovery of contaminants. LNAPL was not encountered during the reporting period. Therefore, there was no LNAPL removed from the subsurface.

By continuously changing the extraction legs and isolating the contaminant “hot-spot”, based on groundwater data and PID measurements at the wellhead, Plexus was able to increase the gasoline equivalent recovery process and reduce the energy requirement. As a result, Plexus will continue to make adjustments to system operation during the next quarter to optimize soil vapor recovery and address “hot-spot” treatment. Removal rates are expected to continue to fluctuate based on the artificial and natural groundwater table elevation changes at the site, as well as contaminant reduction, and changes in extraction leg configuration to maximize vapor recovery. Additionally, Plexus will cycle between the operating systems to reduce mechanical wear and tear, and extend the longevity of the operating potential at the site.

### 4.4 Areas 3805 and 1995

SVE System C operated at 96 percent of the time during the monitoring period, excluding scheduled downtime. AAS Systems B, C, and D operated 98, 98, and 96 percent of the time during the monitoring period. Due to the elevated water table conditions observed during system evaluation activities (all SVE well screens were flooded), the Soil Vapor Extraction portion of System A is to remain off with NYSDEC concurrence. Groundwater elevation gauging is being conducted to determine when the system can be turned back on. Although the unit operated for approximately 15 hours to test level switches in the oil water separator and air stripper, the SVE portion of System B was deactivated in July 2010 as the result of insufficient screen exposure for the effective recovery of hydrocarbons. Due to a bad bearing in the sparge blower, the AAS portion of System A was shut down on 18 June 2009. The sparge blower was repaired and based on the excess capacity of the blowers for Systems A and B, the System B blower continues to be connected to all the sparge points and operating within the design specifications while reducing the energy consumption requirements.

A combined total of approximately 0.08 gallons of gasoline equivalent (vapor phase) were recovered from the subsurface from February 2011 through April 2011. A total of 5,661 gallons of gas equivalent (vapor phase) and 24 gallons of LNAPL have been removed from the subsurface since operation of the SVE and AAS systems began in October 2003. Approximately 0.759 gallons of LNAPL were recovered during the

monitoring period. When LNAPL was encountered, removal was conducted by bailer or the extraction system.

As a result of extraction well screen saturation, Plexus is implementing operational parameters to reduce artificial mounding created by the remedial system, decrease groundwater recovery, and increase vapor recovery. In conjunction with the change in system operational parameters, and prior to the Fall 2011 Basewide Groundwater Sampling Event, Plexus has prepared and submitted for review an Extraction Well Modification Work Plan utilizing the design data from pilot tests conducted at the site with the intent to modify selected vertical extraction wells into horizontal extraction wells to facilitate activation of the extraction units and remove organic vapors generated from the in-situ air stripping of the AAS system. Additionally, Plexus intends to develop a pilot test to augment the current remedial system with ozone ISCO which has proven successful at other areas along Gasoline Alley. The pilot test will utilize some of the existing infrastructure of the current MPE/AAS treatment system and will target "hot-spot" locations based on the most recent analytical data. The intent of these work plans and pilot tests is to aggressively address the impacts within Area 3805 and mitigate contaminant migration.

The Soil Vapor Extraction portion of System D was shut down on 6 August 2008 due to an internal leak in the blower. The SVE portion of the system will remain off pending NYSDEC approval and because the system is being converted to biosparging only operation. Negligible recovery has been achieved using the SVE portion of the system since its inception in May 2004 and continued operation of the SVE system is unnecessary. The Air Sparge system will continue to run at a reduced rate to enhance subsurface oxygen delivery and promote microbial growth, subsequently stimulating biochemical degradation of petroleum hydrocarbon constituents. System operations will be closely monitored and evaluated using groundwater quality results as a principal criterion. Field parameters such as ORP and DO concentrations have indicated that the system is delivering oxygen to the subsurface and augmenting biodegradation. Plexus anticipates that this optimization approach will appreciably reduce operating costs while continuing to contribute to biochemical degradation of petroleum constituents. Results from the current groundwater monitoring will be evaluated and, alternative remedial approaches will be considered for Area 3805 System D, if applicable.

#### **4.5 Army Air Force Exchange Service Station**

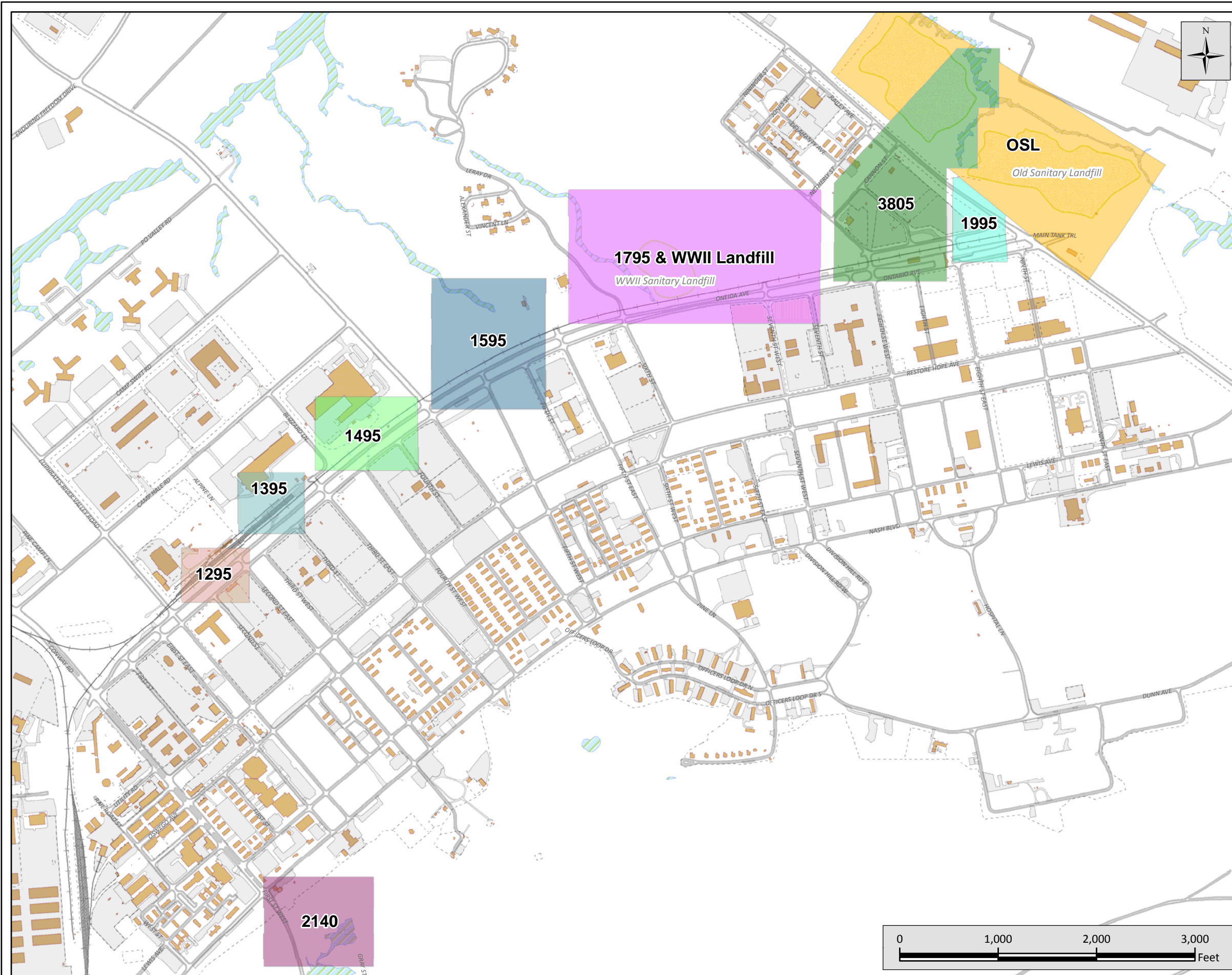
The DPE System operated 98 percent of the time during the monitoring period, excluding scheduled downtime. The AAS Systems operated 98 percent of the time during the monitoring period. A combined total of approximately 0.12 gallons of gasoline equivalent (vapor phase) were recovered from the subsurface from February through April 2011. A total of 2,400.4 gallons of gas equivalent (vapor phase) have been removed from the subsurface since operation of the DPE system began in February 2002. No LNAPL was observed in the extraction wells during gauging events.

The ozone treatment unit operated 68 percent of the time during the reporting period. The unit delivered ozone via 7 injection points installed upgradient of the former USTs and near the fuel dispensers. Analytical data collected during the Fall 2010 Groundwater Sampling Event combined with field data collection of ORP, DO, pH and PID from selected monitoring points has indicated that the ozone delivery unit is



reducing the contaminant concentrations and providing oxygen to the subsurface to augment biodegradation. Dissolved contaminants continue to decrease in several monitoring wells at the site and Plexus intends to continue operations on the ozone unit at the site.

## FIGURES




**Legend**

**Site Name**

- 1295
- 1395
- 1495
- 1595
- 1795 & WWII Landfill
- 1995
- 2140
- 3805
- OSL

**Other Features:**

- Fence Line
- Rail Road
- Paved Road
- Landfill Site
- Wetlands
- Building
- Paved Area


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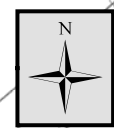
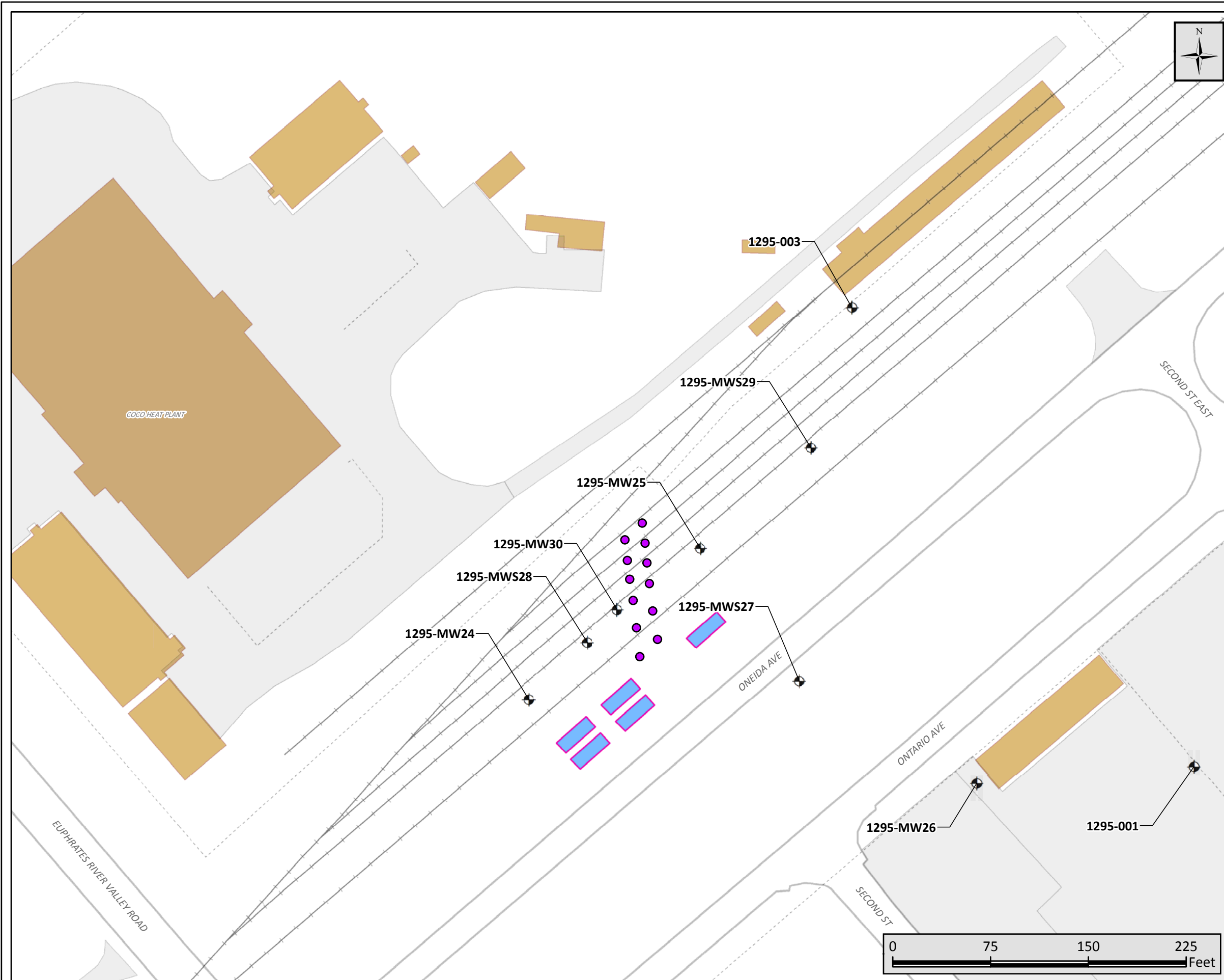
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**FIGURE 1-1**

**Site Location Map**

Quarterly Report of Progress (November-January 2011)  
 Operations and Maintenance  
 Areas 1295, 1595, 1795, 1995, 3805, and Army Air Force  
 Exchange Service Station  
 Fort Drum, New York





**Legend**

- Ozone Injection Points
- ⊕ Monitoring Wells
- Former UST
- - - Fence Line
- + -+ -+ Rail Road
- Paved Road
- Building
- Paved Area

Abbreviation Key:  
UST = Underground Storage Tank



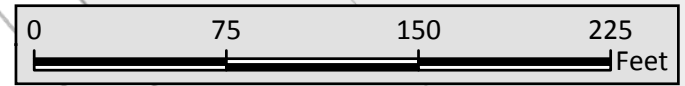
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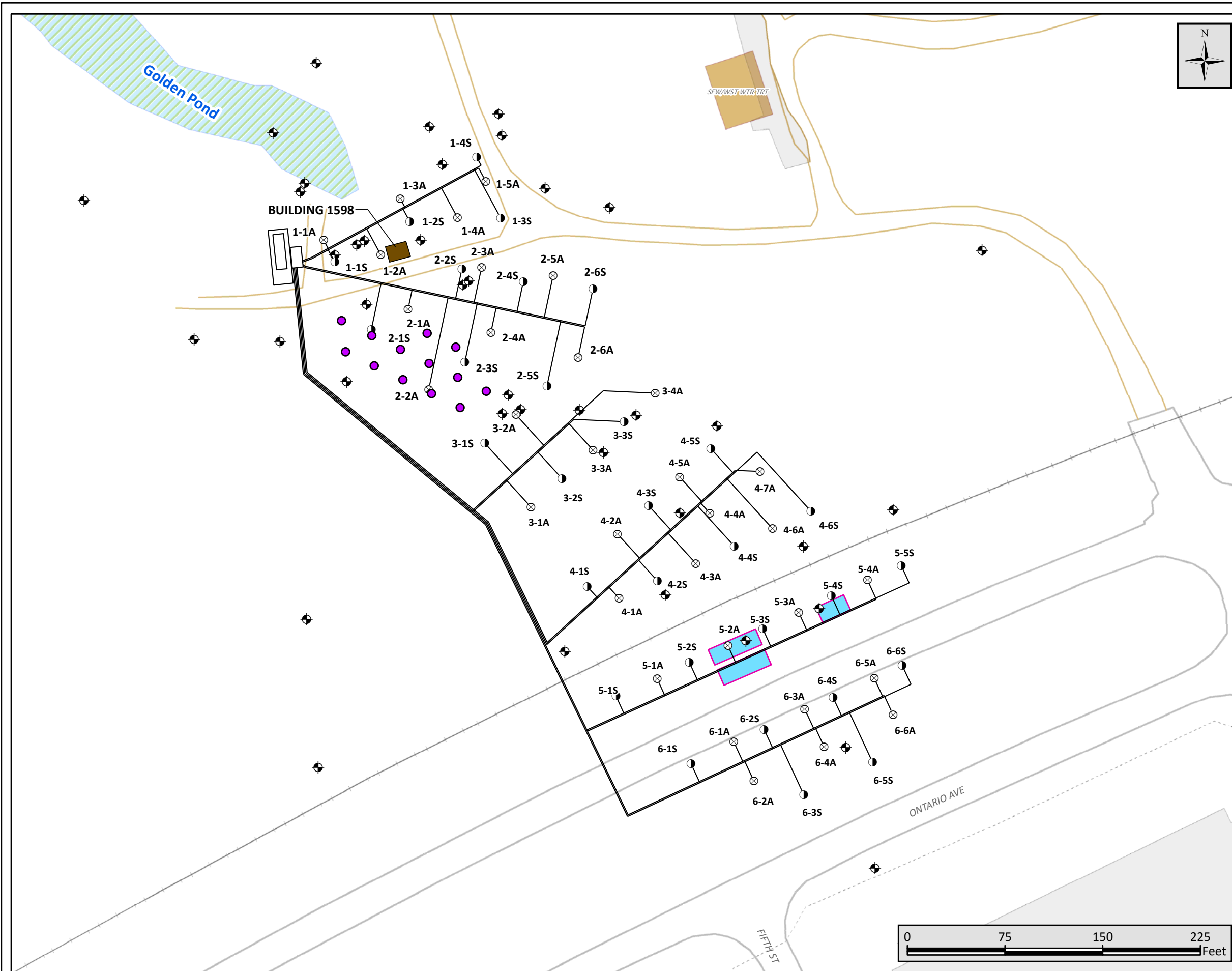
**FIGURE 2-1**

**Area 1295**

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Operations and Maintenance  
Areas 1295, 1595, 1795, 1995, 3805, and Army Air Force  
Exchange Service Station  
Fort Drum, New York







**Legend**

- Ozone Injection Points
- ⊗ Air Sparge Wells
- ⊙ Soil-Vapor Extraction Wells
- System Pipes
- ⊕ Monitoring Wells
- Former UST
- 1595 System Shed
- - - Fence Line
- Rail Road
- Unpaved Road
- Paved Road
- ▨ Wetlands
- Building
- Paving

Abbreviation Key:  
UST = Underground Storage Tank



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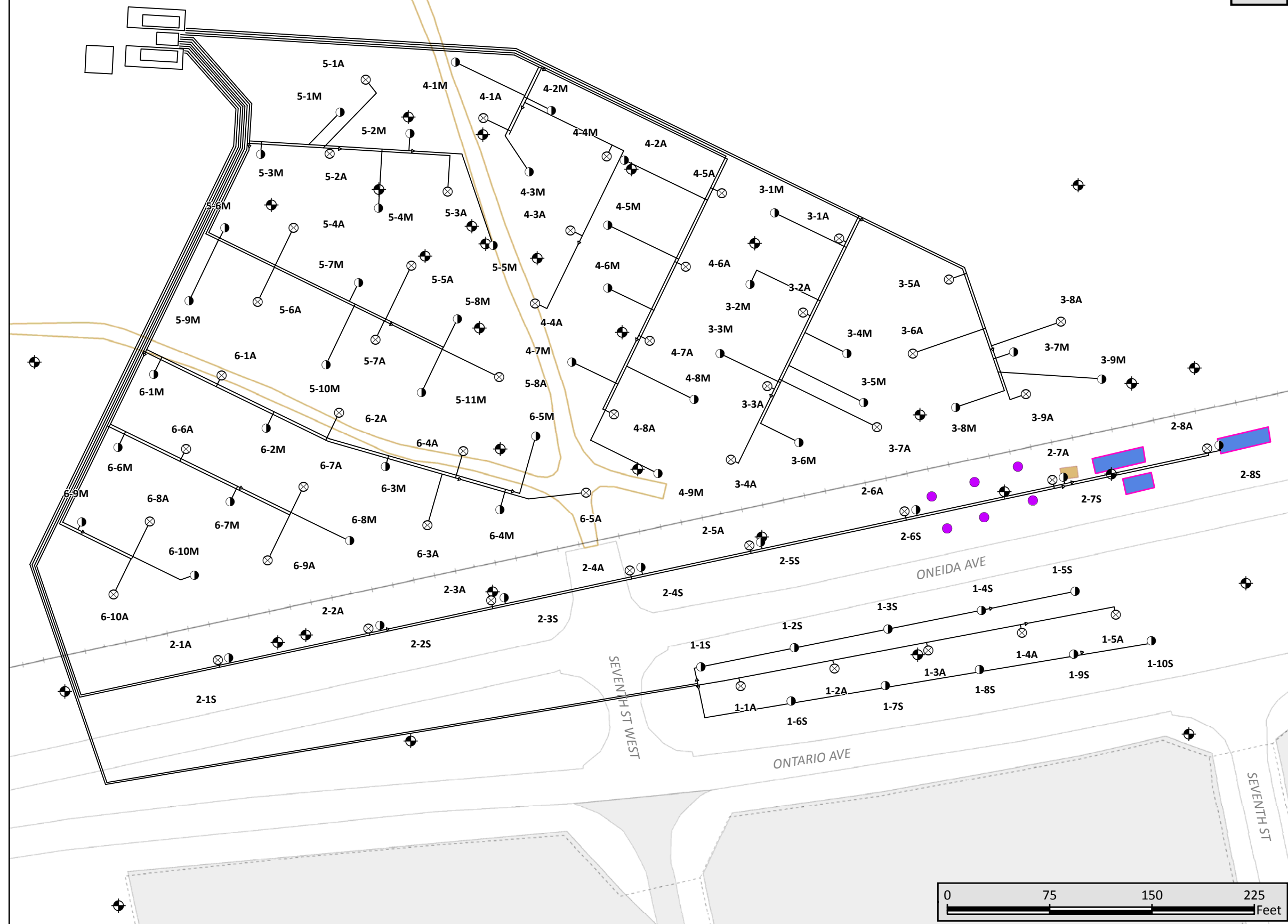
**FIGURE 2-2**

**Area 1595**

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Operations and Maintenance  
Areas 1295, 1595, 1795, 1995, 3805, and Army Air Force  
Exchange Service Station  
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System Buildings



**Legend**

- Ozone Injection Points
- ⊗ Airsparge Wells
- Soil-vapor Extraction Wells
- System Pipes
- ⊕ Monitoring Wells
- Former UST
- - - Fence Line
- +— Rail Road
- Paved Roadline
- Unpaved Roadline
- Landfill Site
- Wetlands
- Building
- Paved Area

Abbreviation Key:  
UST = Underground Storage Tank



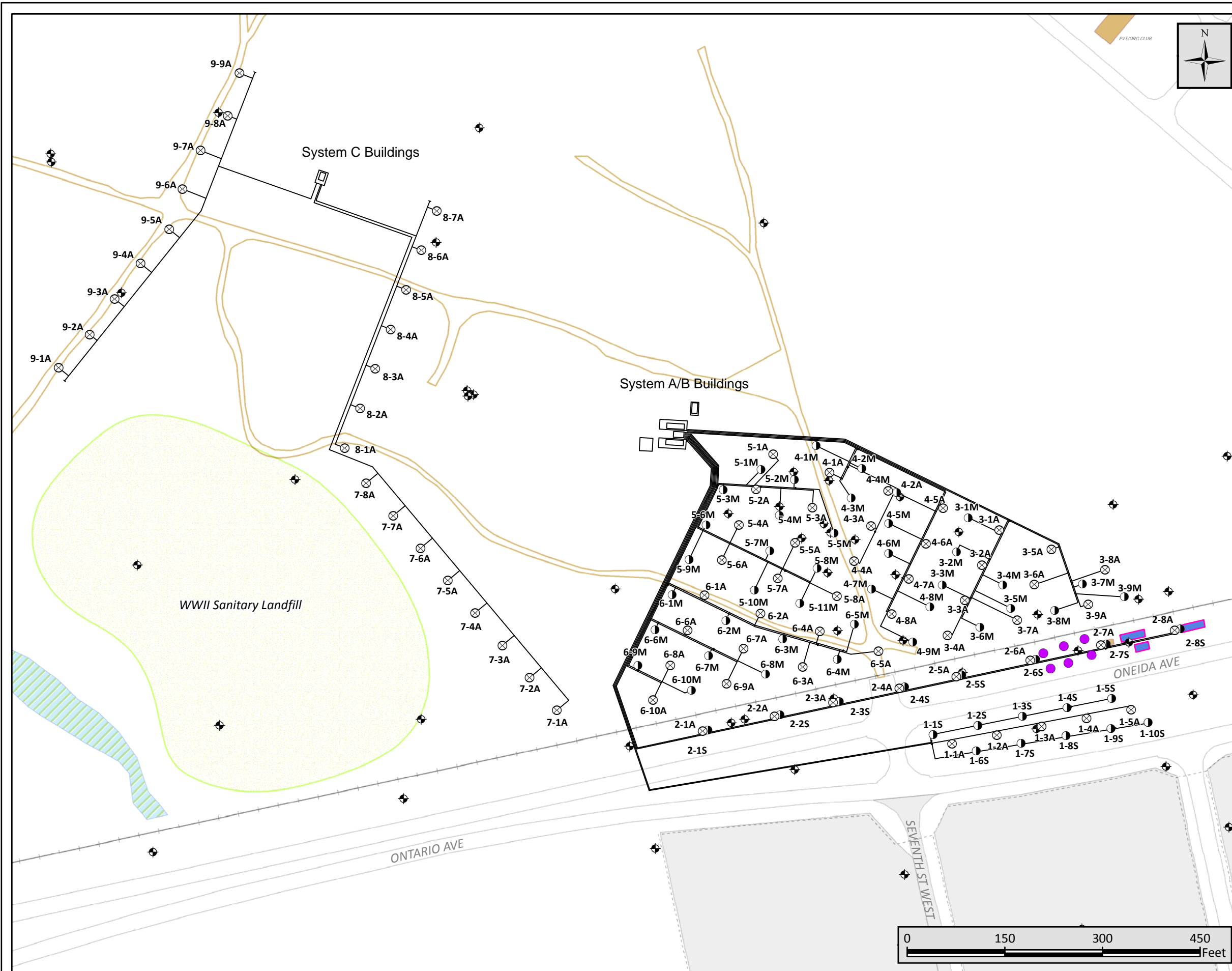
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**FIGURE 2-3**

**Area 1795  
MPE/SVE/AAS  
Treatment System Plan**

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Operations and Maintenance  
Areas 1295, 1595, 1795, 1995, 3805, and Army Air Force  
Exchange Service Station  
Fort Drum, New York



**Legend**

- Ozone Injection Points
- ⊗ Airsparge Wells
- Soil-vapor Extraction Wells
- System Pipes
- ◆ Monitoring Wells
- Former UST
- - - Fence Line
- Rail Road
- Paved Roadline
- Unpaved Roadline
- Landfill Site
- Wetlands
- Building
- Paved Area

Abbreviation Key:  
UST = Underground Storage Tank



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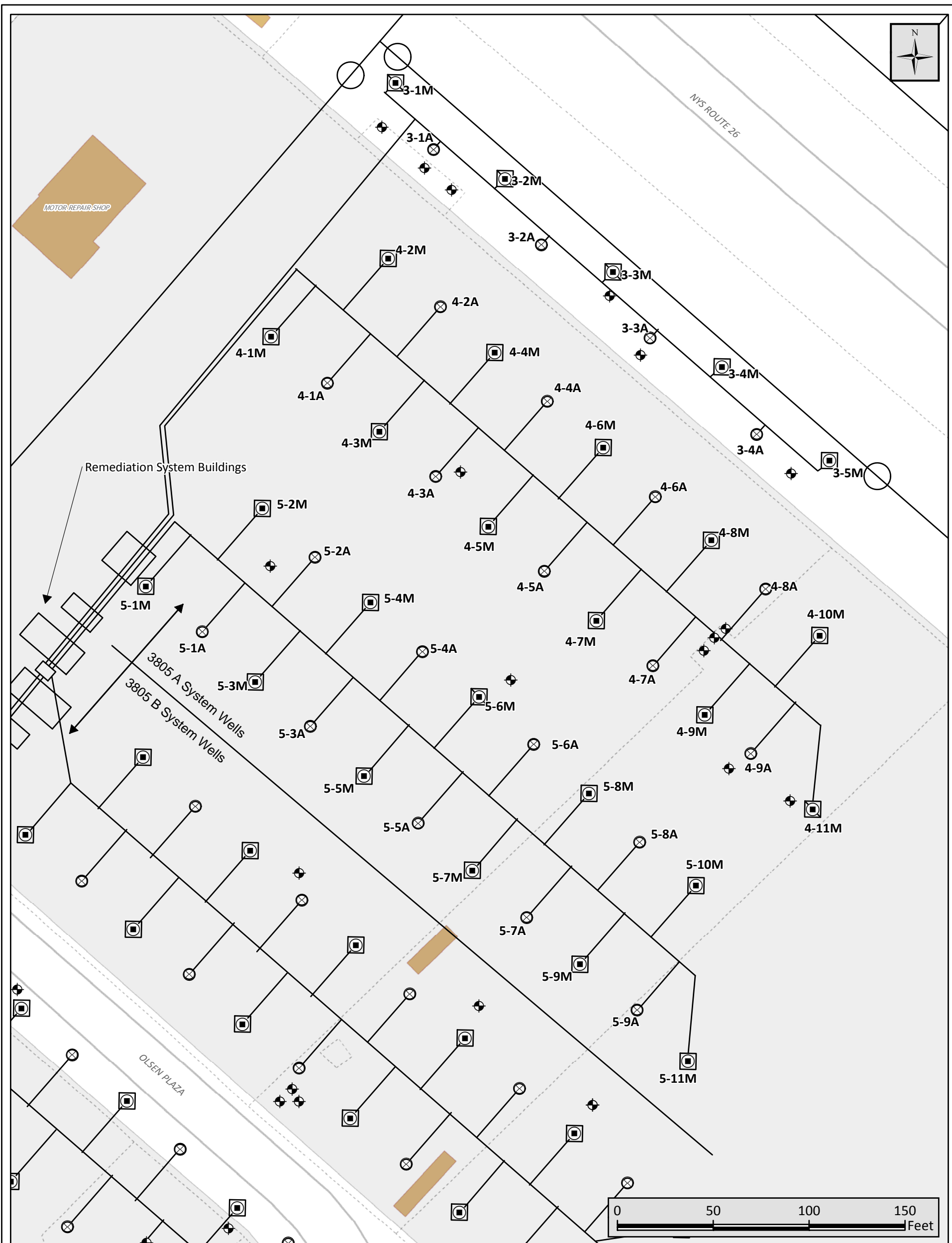
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**FIGURE 2-4**

**Area 1795  
(Systems A,B, and C)**


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Areas 1295, 1595, 1795, 1995, 3805, and Army Air Force  
Exchange Service Station  
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**Legend**

- ⊗ Air Sparge Wells
- ◻ Multi-phase Extraction Wells
- Soil-vapor Extraction Wells
- System Pipes & Structures
- ⊕ Monitoring Wells
- Former UST
- Fence Line
- Rail Road
- Paved Road
- Building
- Paved Area


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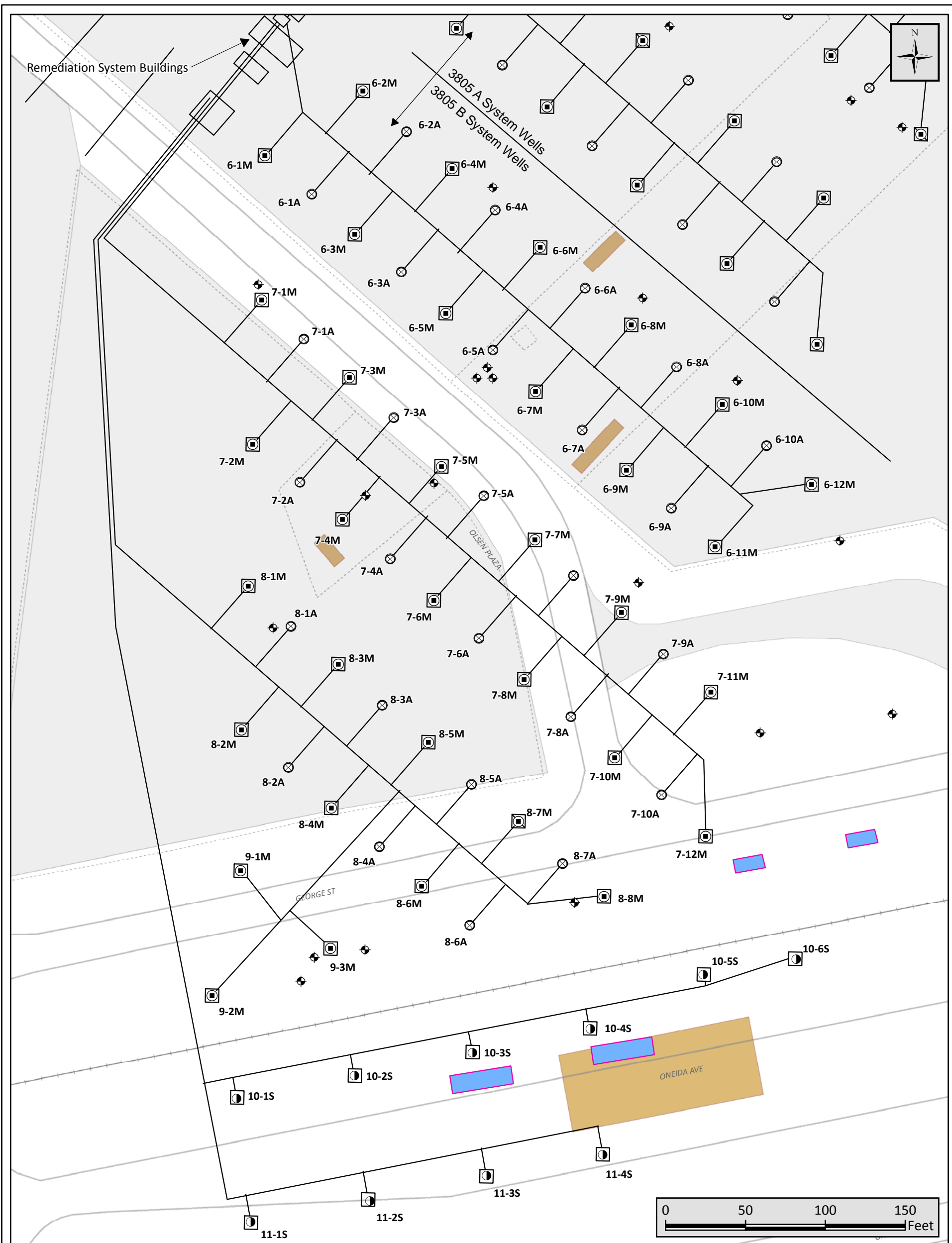
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**FIGURE 2-5**

**Area 3805 A**


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 Operations and Maintenance  
 Areas 1295, 1595, 1795, 1995, 3805, and Army Air Force  
 Exchange Service Station  
 Fort Drum, New York

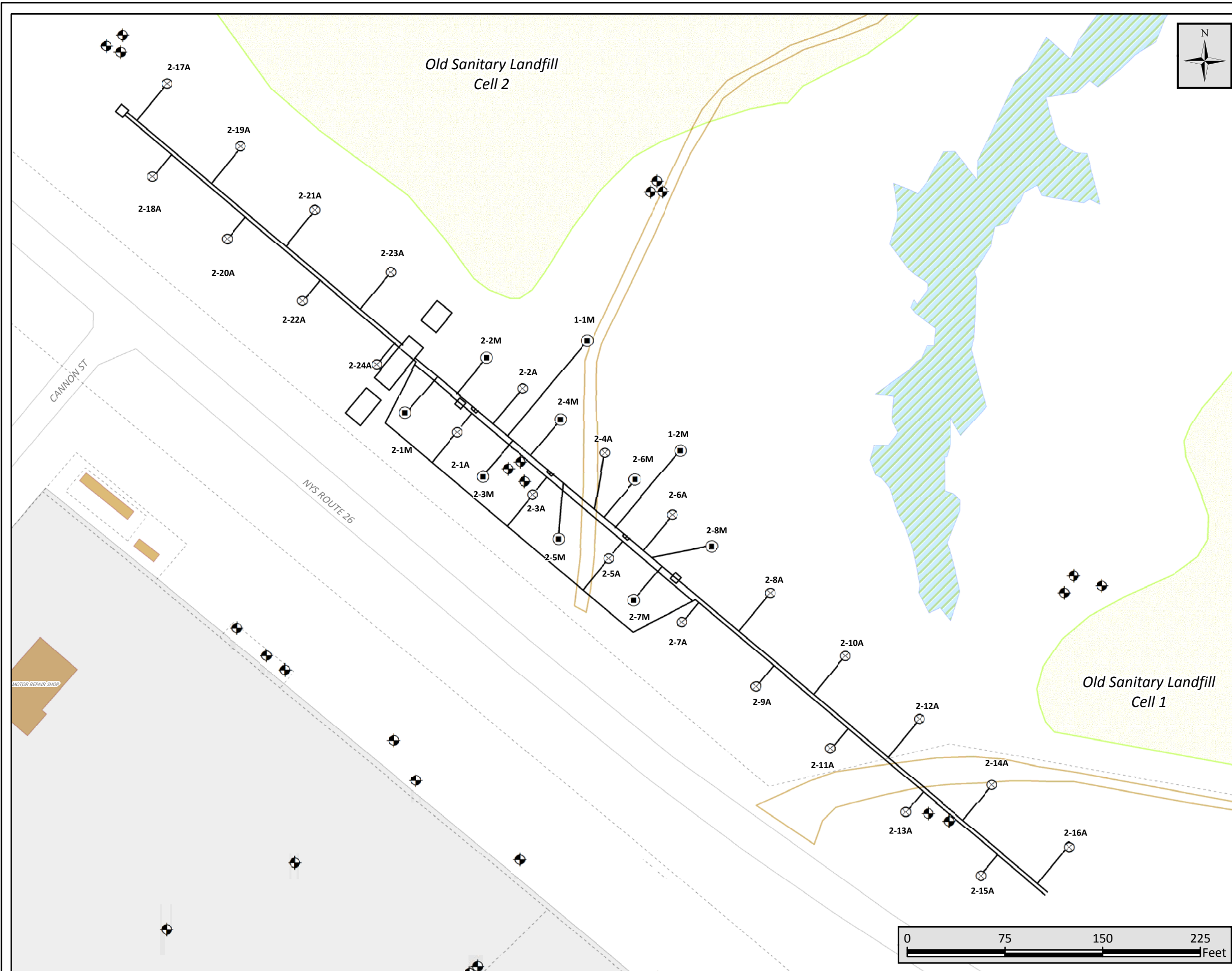




**Legend**

- ⊗ Air Sparge Wells
- ⊕ Multi-phase Extraction Wells
- Soil-vapor Extraction Wells
- System Pipes & Structures
- ⬇ Monitoring Wells
- Former UST
- Fence Line
- Rail Road
- Paved Road
- Building
- Paved Area


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Created By: JRC Date: March 2011	FIGURE 2-6
Area 3805 B	
Quarterly Report of Progress (November-January 2011) Operations and Maintenance Areas 1295, 1595, 1795, 1995, 3805, and Army Air Force Exchange Service Station Fort Drum, New York	



**Legend**

- ⊗ Air-Sparge Wells
- ⊙ Multi-Phase Extraction Wells
- System Pipes & Structures
- ⊕ Monitoring Wells
- Former UST
- - - Fence Line
- +— Rail Road
- Paved Road
- Unpaved Road
- Landfill Site
- ▨ Wetlands
- Building
- Paved Area

Abbreviation Key:  
UST = Underground Storage Tank

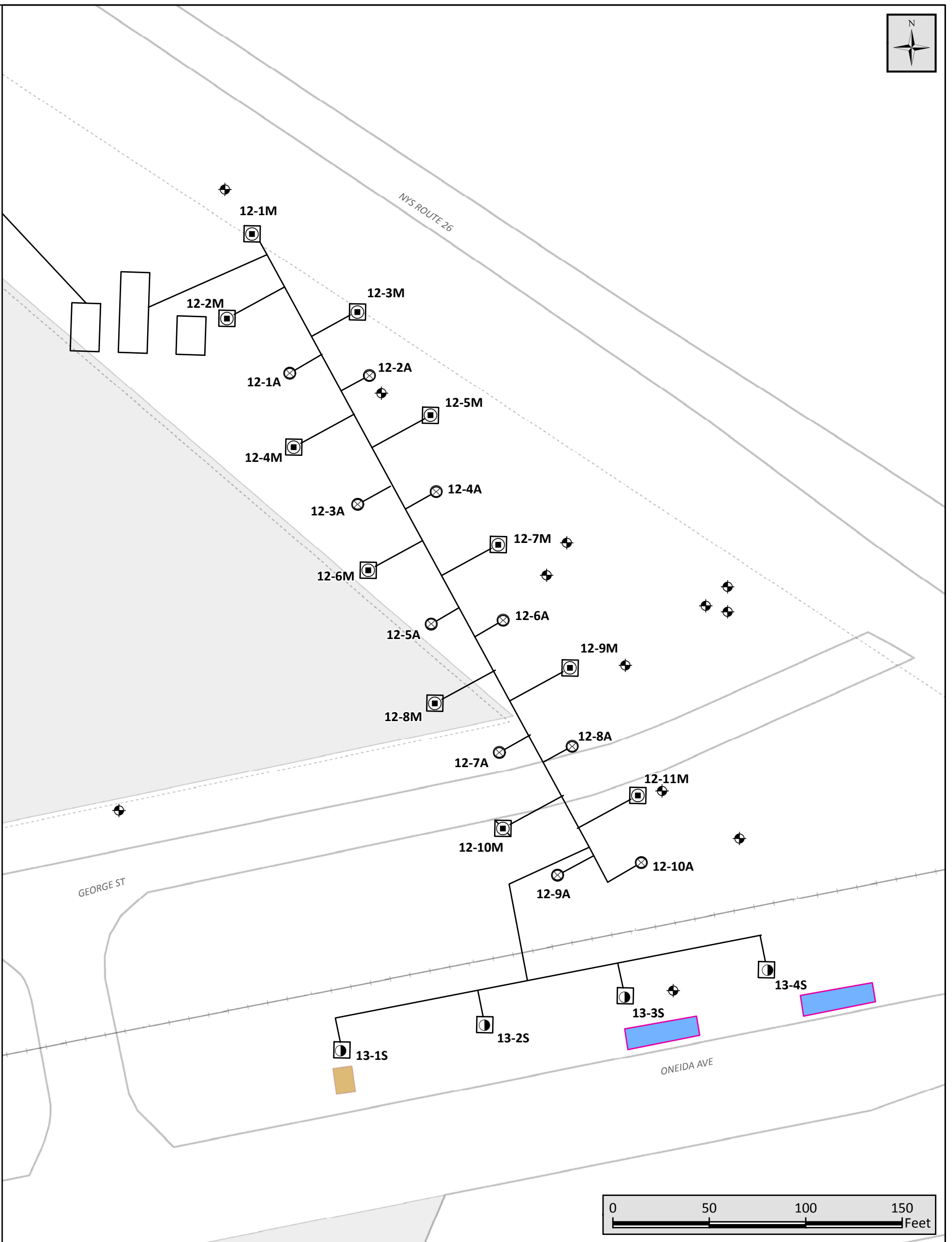

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**FIGURE 2-7**

**Area 3805 C**

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 Operations and Maintenance  
 Areas 1295, 1595, 1795, 1995, 3805, and Army Air Force  
 Exchange Service Station  
 Fort Drum, New York



### Legend

- ⊗ Air Sparge Wells
- ⊠ Multi-phase Extraction Wells
- Soil-vapor Extraction Wells
- System Pipes & Structures
- ⊕ Monitoring Wells
- Former UST
- - - Fence Line
- Rail Road
- Paved Road
- Building
- Paved Area

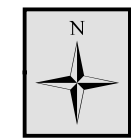
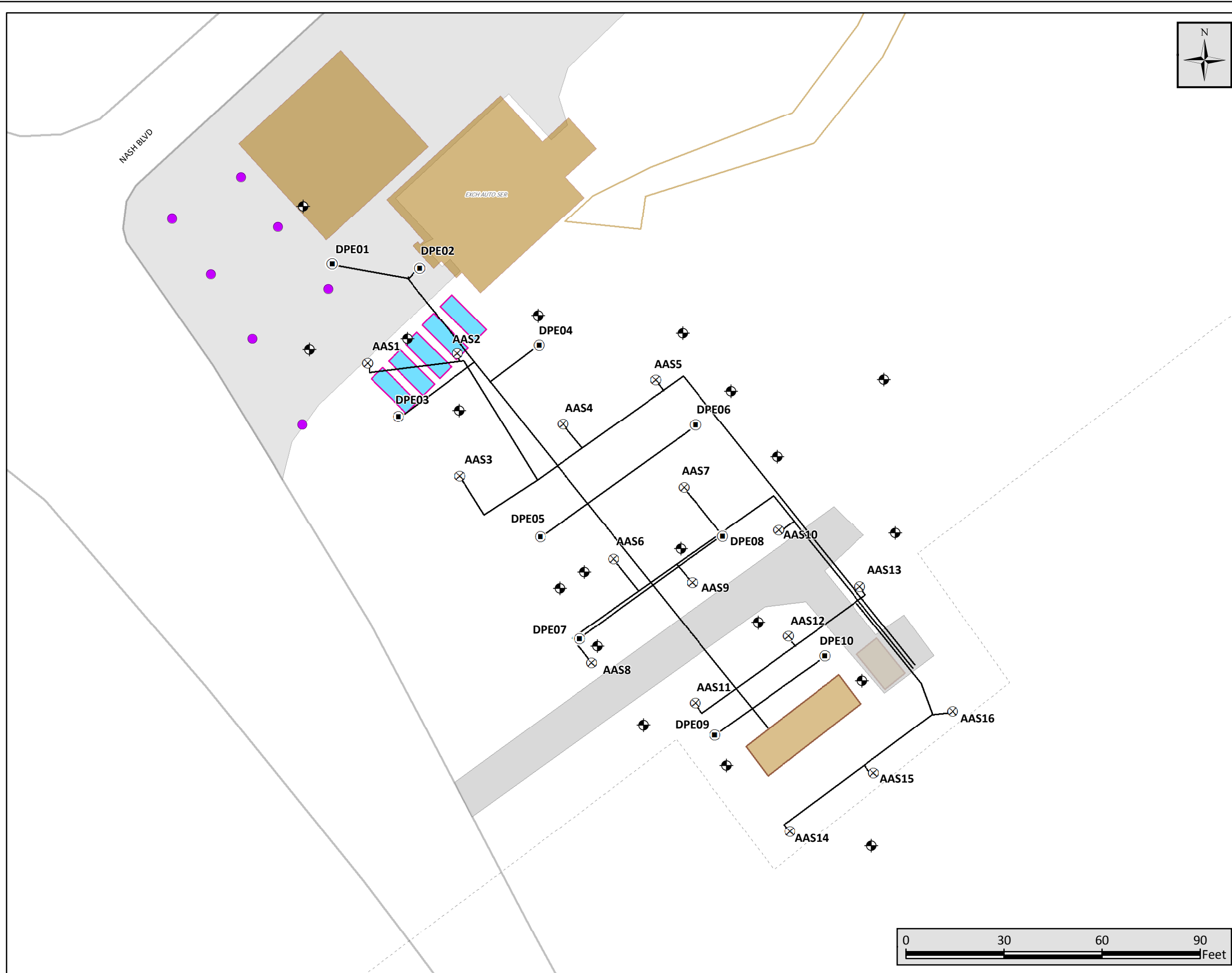
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**FIGURE 2-8**


### Area 3805 D/1995

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Operations and Maintenance  
Areas 1295, 1595, 1795, 1995, 3805, and Army Air Force  
Exchange Service Station  
Fort Drum, New York



- Legend**
- Ozone Injection Points
  - ⊗ Air Sparge Wells
  - ⊕ Dual-Phase Extraction Wells
  - System Pipes
  - ⊕ Monitoring Wells
  - Former UST
  - - - Fence Line
  - Rail Road
  - Paved Road
  - Unpaved Road
  - Building
  - Paving

Abbreviation Key:  
 UST = Underground Storage Tank



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**FIGURE 2-9**

**Building P-2140  
 AAFES Station  
 DPE and AAS Systems**

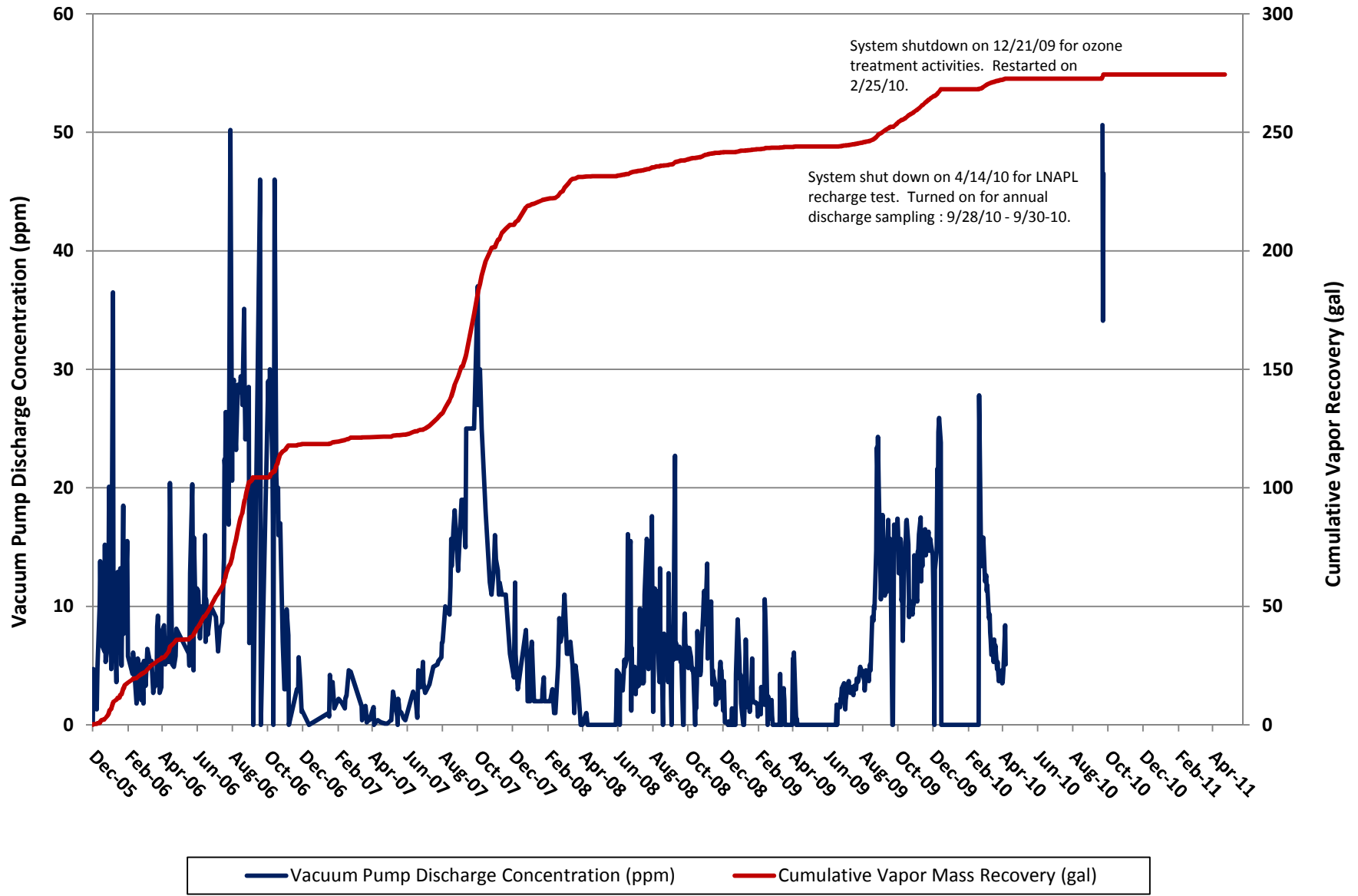
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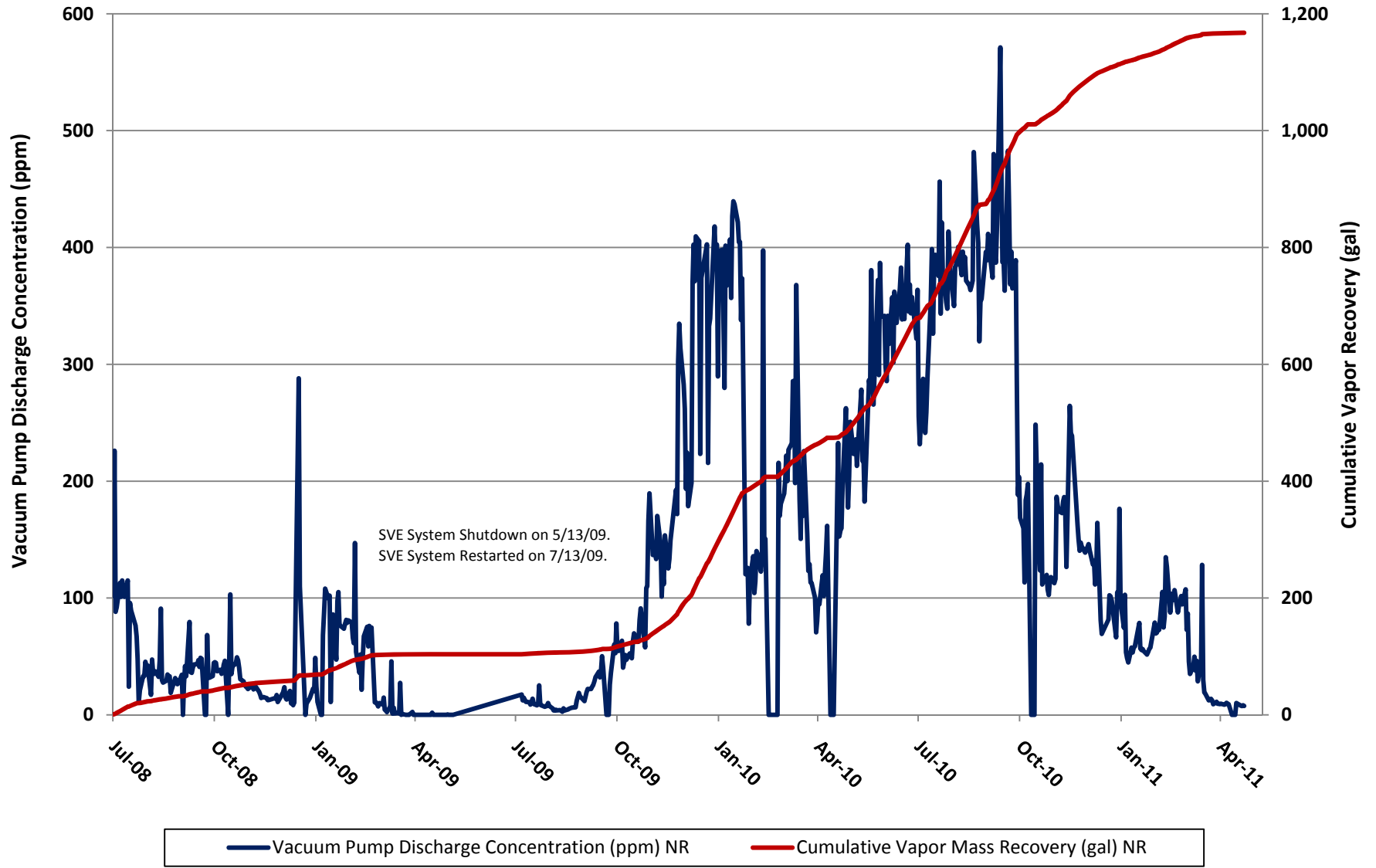
# Figure 3-1: Area 1595

## Trends In Vacuum Pump Discharge Concentrations vs. Cumulative Contaminant Recovery



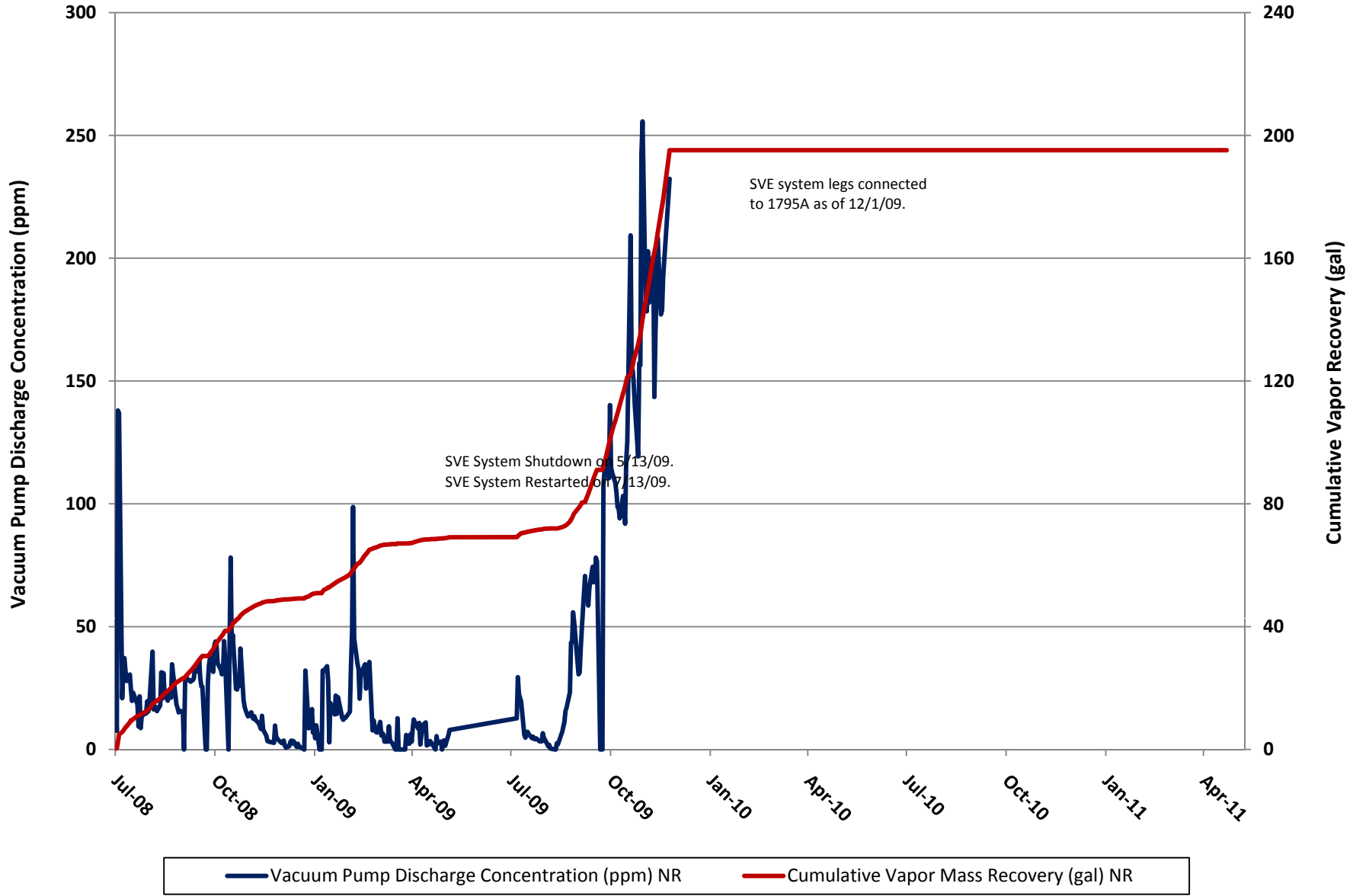
### Figure 3-2A: Area 1795 - System A

Trends In Vacuum Pump Discharge Concentrations vs. Cumulative Contaminant Recovery



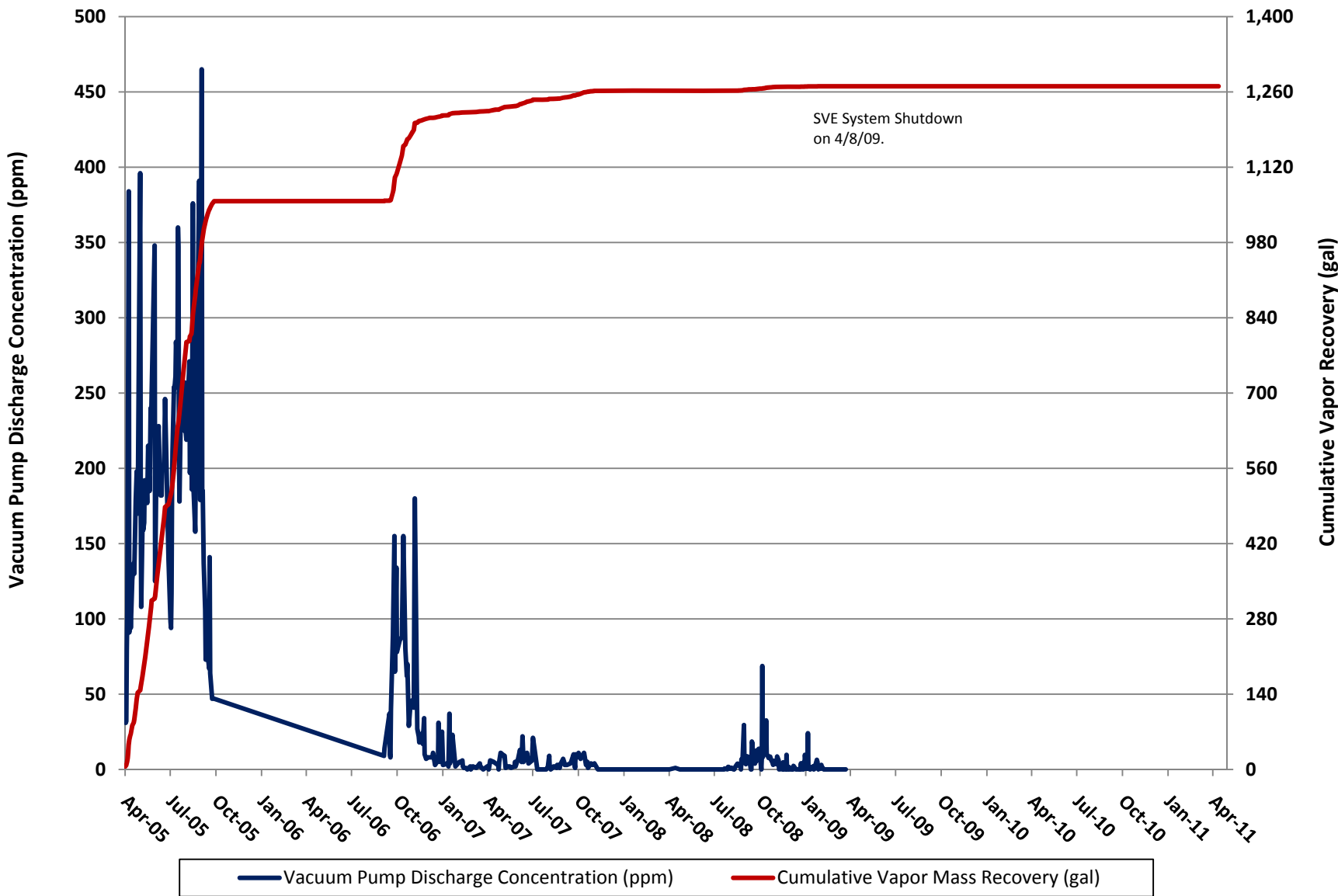
# Figure 3-2B: Area 1795 - System B

## Trends In Vacuum Pump Discharge Concentrations vs. Cumulative Contaminant Recovery



# Figure 3-3A: Area 3805 - System A

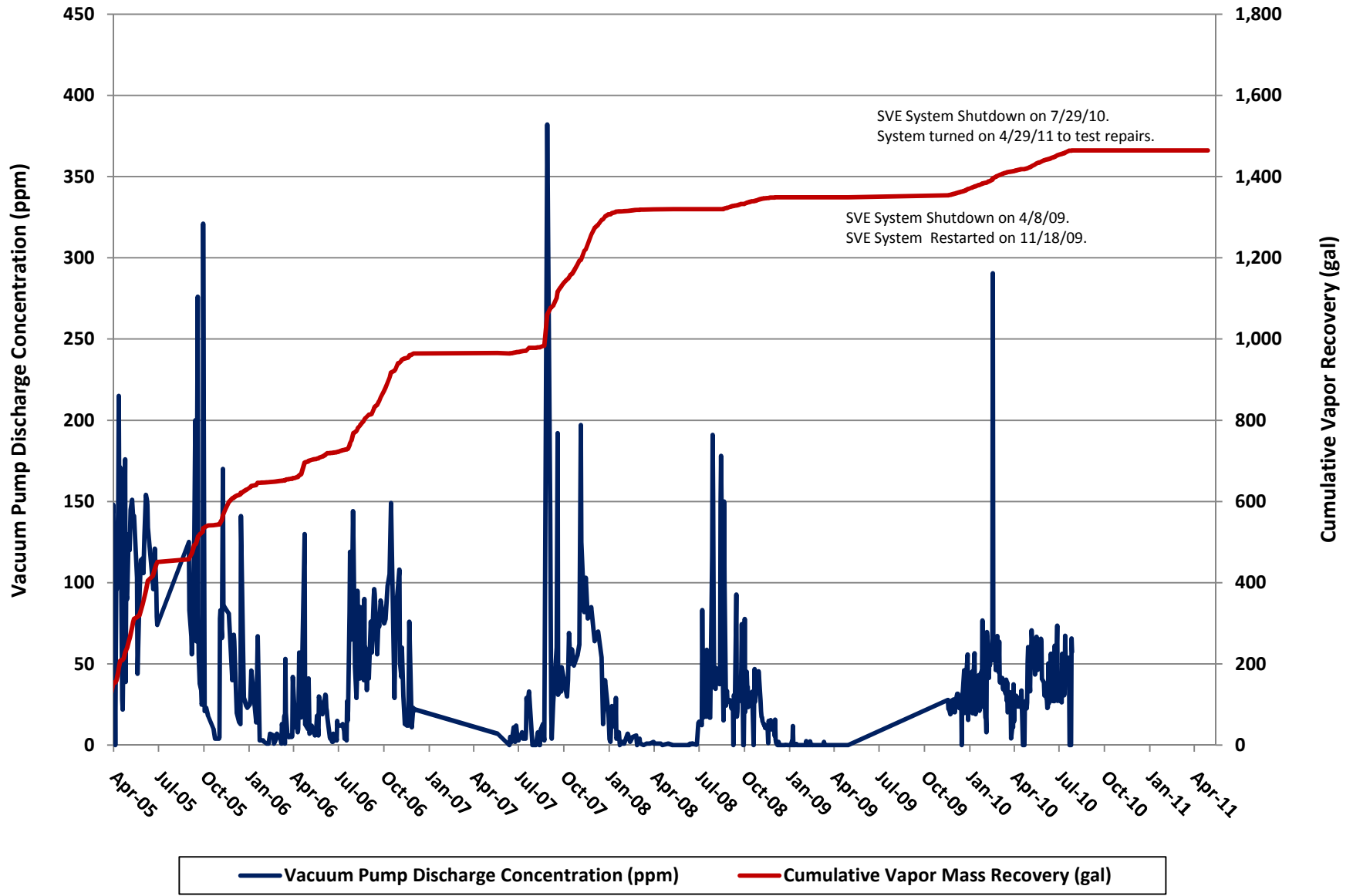
## Trends In Vacuum Pump Discharge Concentrations vs. Cumulative Contaminant Recovery





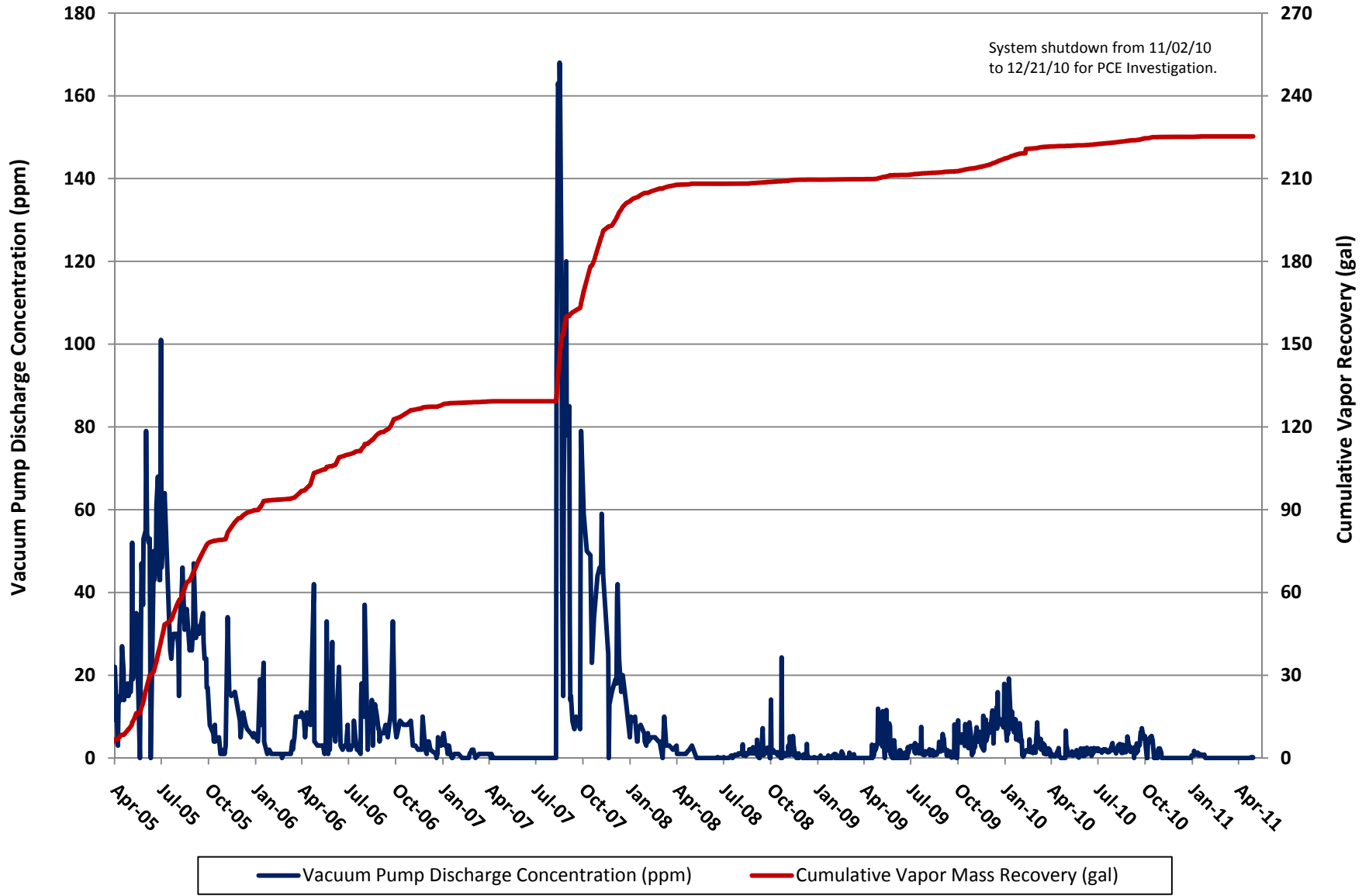
### Figure 3-3B: Area 3805 - System B

Trends In Vacuum Pump Discharge Concentrations vs. Cumulative Contaminant Recovery



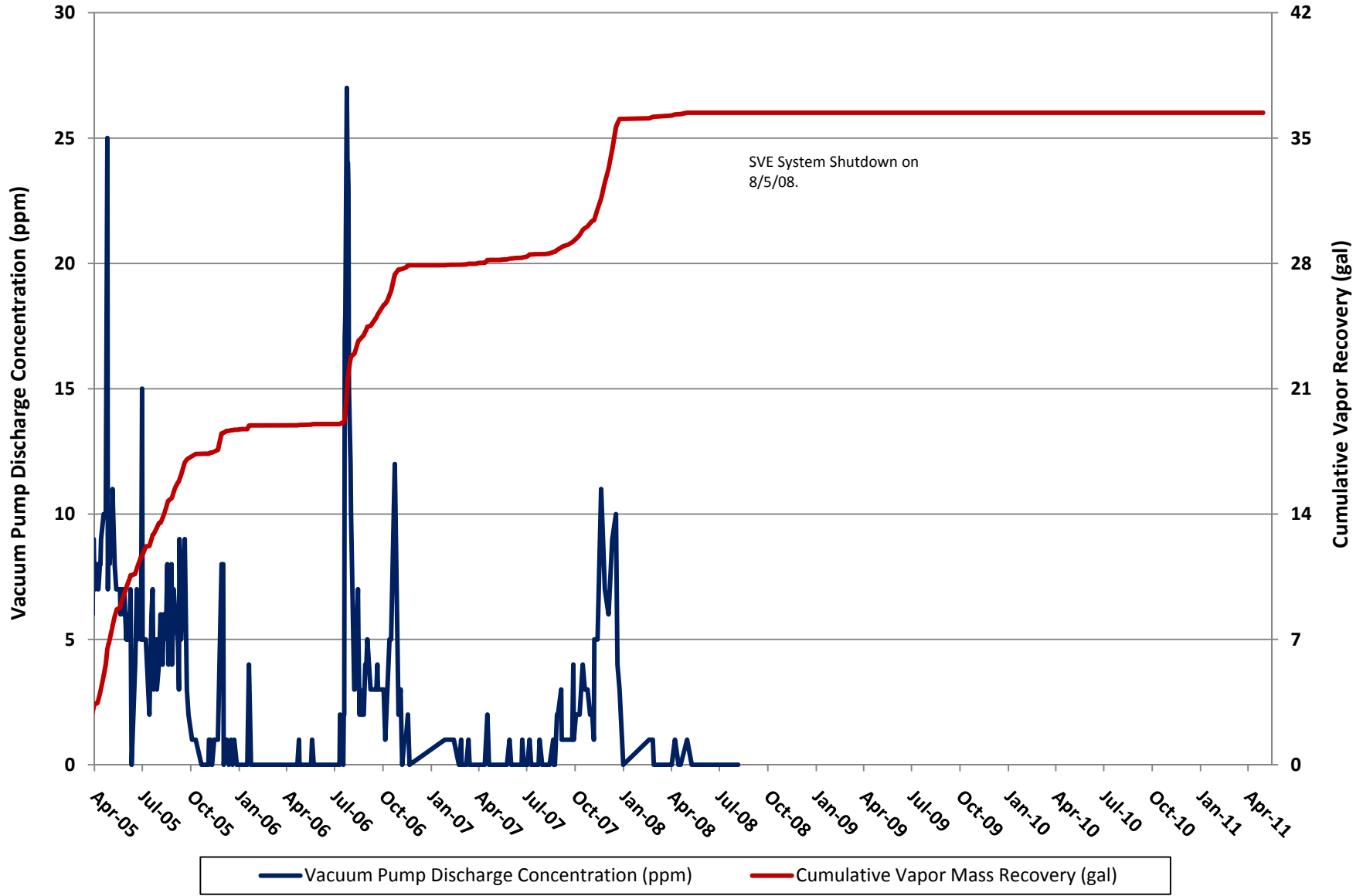
# Figure 3-3C: Area 3805 - System C

## Trends In Vacuum Pump Discharge Concentrations vs. Cumulative Contaminant Recovery



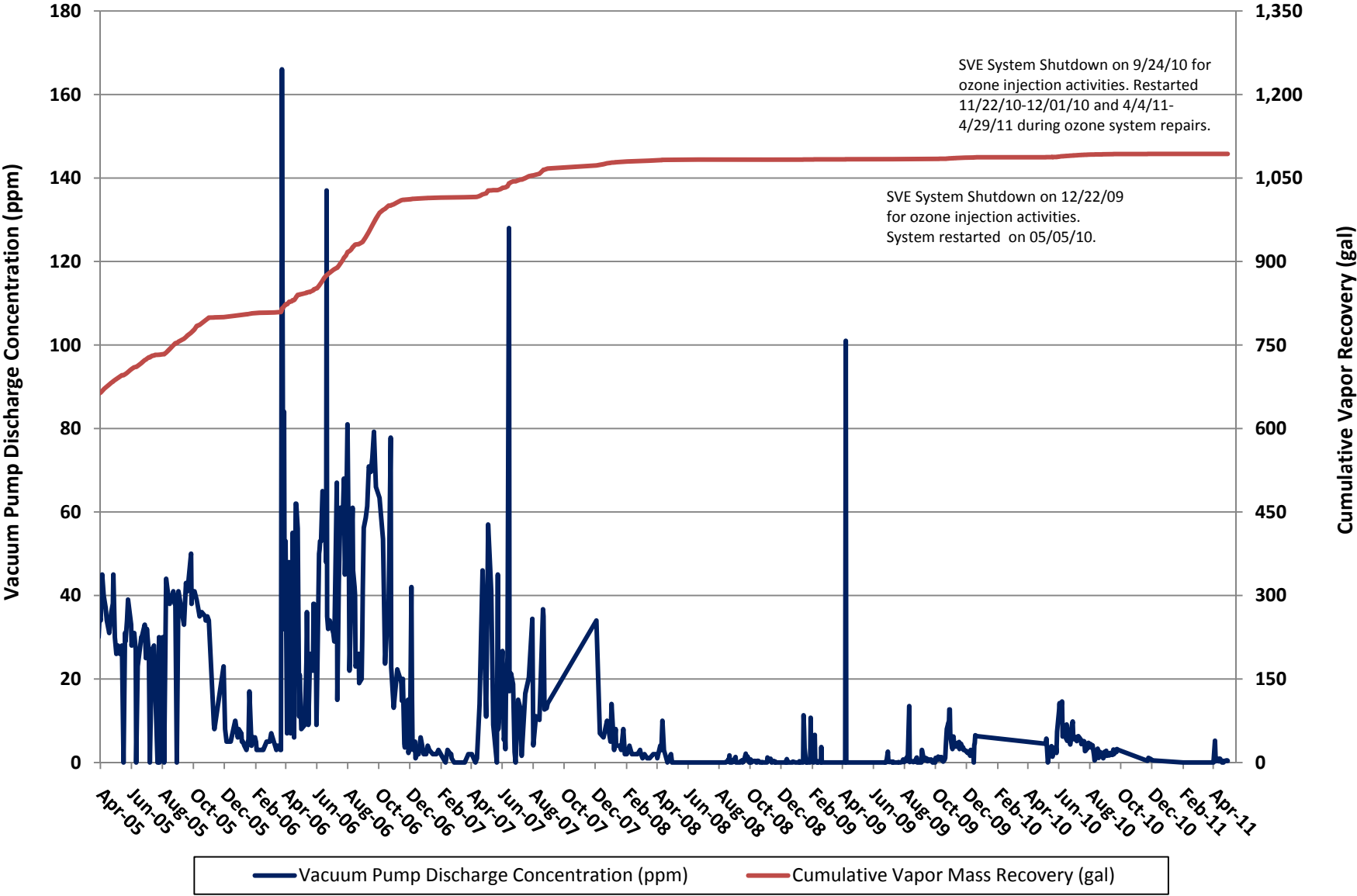
# Figure 3-3D: Area 3805 - System D

## Trends In Vacuum Pump Discharge Concentrations vs. Cumulative Contaminant Recovery



### Figure 3-4: AAFES (Building P-2140)

Trends In Vacuum Pump Discharge Concentrations vs. Cumulative Contaminant Recovery



## TABLES

**TABLE 3-1  
SUMMARY OF ESTIMATED CONTAMINANT REMOVAL  
AREA 1595**

<b>Monitoring Date</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (lb)</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (gal)</b>	<b>LNAPL Recovery (gal)</b>
<b>February</b>	0.00	0.00	0.044
<b>March</b>	0.00	0.00	0.305
<b>April</b>	0.00	0.00	0.072
<b>Quarter Total</b>	0.00	0.00	0.421
<b>Total to Date</b>	1,768.37	281.59	156.06

Notes:

Area 1595 SVE system shutdown for LNAPL recharge test as of April 14, 2010.

lb = pounds

gal = gallons

**TABLE 3-2  
CUMULATIVE VOLUME OF TREATED GROUNDWATER  
AREA 1595**

<b>Description</b>	<b>February</b>	<b>March</b>	<b>April</b>	<b>Total/Average</b>
<b>Gallons</b>	0	0	0	NA
<b>Hours Operated</b>	0	0	0	NA
<b>Days Operated</b>	0	0	0	NA
<b>Average (gal/min)</b>	NA	NA	NA	NA

Note: Area 1595 SVE system shutdown for LNAPL recharge test as of April 14, 2010.

**TABLE 3-3  
SUMMARY OF DO/ORP/PID DATA  
AREA 1595**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
1595-MW33A	12/16/2008	NR	NR	NR	NR	NR	NR	70.2	10.64	0.0	
	1/13/2009	9:17	9:48	12.12	10.46	7.06	3.085	2.9	0.52	0.0	
	1/20/2009	10:18	10:29	12.36	8.30	7.80	0.430	-46.5	11.85	0.0	
	2/5/2009	10:46	11:03	13.12	9.24	7.17	1.167	-8.5	0.76	0.0	
	3/4/2009	9:13	9:53	12.69	8.74	7.42	0.400	53.7	8.19	0.0	
	3/25/2009	15:28	16:10	12.36	7.88	7.01	0.759	53.1	9.44	0.0	
	4/13/2009	13:43	13:48	12.12	8.36	8.06	0.326	169.0	9.83	0.00	
	5/19/2009	9:20	9:25	12.19	9.28	7.76	0.805	167.9	10.50	0.00	
	6/24/2009	12:37	12:42	12.64	12.40	6.84	0.822	166.4	1.96	0.00	
	7/30/2009	10:01	10:09	13.61	12.23	7.47	0.517	39.2	7.81	0.0	
	8/28/2009	10:11	10:16	11.09	12.34	6.35	1.775	17.5	1.49	0.0	
	9/16/2009	9:57	10:02	14.88	12.62	7.61	1.915	72.5	7.93	0.0	
	10/13/2009	10:11	10:16	15.16	11.93	7.58	0.755	122.1	8.39	0.0	
	11/11/2009	10:16	10:21	15.31	12.44	2.17	1.704	7.0	13.13	0.0	
	12/16/2009	11:36	11:41	15.61	10.74	7.43	2.005	-14.0	8.38	0.00	
	1/15/2010	9:50	9:55	15.82	10.28	7.37	2.333	56.4	7.47	0.0	
	2/8/2010	15:15	15:20	15.31	8.48	7.27	1.112	3.0	9.46	0.0	
	3/9/2010	13:29	13:34	15.88	9.51	7.70	0.722	-64.3	9.72	0.0	
	4/13/2010	14:16	14:21	15.18	9.22	7.34	2.115	71.9	10.33	0.0	
	5/11/2010	13:42	13:47	15.58	9.14	7.55	1.838	-8.6	9.21	0.0	
	6/15/2010	14:12	14:17	15.91	10.66	7.51	0.613	-43.2	10.95	0.0	
	7/13/2010	14:17	14:22	15.78	11.70	7.63	0.589	-3.7	11.23	0.0	
	8/10/2010	13:30	13:35	16.52	13.83	7.59	2.100	0.5	9.18	0.0	
	9/14/2010	11:15	11:20	15.86	12.85	6.74	2.391	9.9	7.78	2.0	
10/12/2010	13:32	13:37	14.44	14.38	7.12	0.308	-30.1	9.12	0.0		
11/15/2010	11:40	11:45	14.59	13.37	6.84	0.497	54.8	9.94	0.0		
12/15/2010	9:45	9:50	13.67	11.00	7.02	0.269	-143.8	4.02	0.0		
1/14/2011	8:26	8:31	13.94	9.76	7.48	0.723	41.7	10.39	0.0		
2/14/2011	8:54	8:59	14.77	9.71	6.99	3.741	92.7	8.64	0.0		
3/15/2011	9:34	9:39	12.34	8.47	7.12	0.833	-149.3	8.08	0.0		
4/14/2011	14:01	14:06	12.73	8.54	7.03	2.984	-321.5	7.12	0.0		
1595-MW35	12/16/2008	NR	NR	NR	NR	NR	NR	285.8	10.87	0.0	
	1/13/2009	10:06	10:37	11.25	9.65	6.91	0.481	33.7	0.83	0.0	
	1/20/2009	8:20	8:35	11.55	8.90	7.55	0.413	76.8	12.11	0.0	
	2/5/2009	11:50	12:21	12.18	9.76	6.98	0.382	8.8	1.00	0.3	
	3/4/2009	10:11	10:39	11.6	8.05	7.14	0.255	86.8	10.71	0.0	
	3/25/2009	15:12	15:49	11.27	7.42	6.56	0.282	26.5	10.79	0.0	
	4/13/2009	14:51	14:56	11.54	7.40	6.98	0.420	184.3	14.43	0.0	Well bubbling
	5/19/2009	10:55	11:00	11.14	8.38	7.44	0.194	142.7	16.07	0.0	
	6/24/2009	13:57	14:02	11.64	9.60	7.13	0.423	34.7	12.74	0.0	
	7/30/2009	10:23	10:28	12.62	10.58	7.08	0.756	36.1	10.33	0.0	
	8/28/2009	10:46	10:51	13.32	12.90	6.72	0.408	101.5	12.48	0.0	
	9/16/2009	10:14	10:19	13.95	12.44	7.22	0.727	15.7	10.48	0.0	
	10/13/2009	10:37	10:42	14.36	12.20	7.06	0.591	23.4	9.56	0.0	
	11/11/2009	10:41	10:46	14.56	12.13	6.94	0.517	-12.6	10.06	0.0	
	12/16/2009	11:10	11:15	14.71	10.94	7.26	0.467	14.7	12.12	0.00	Well bubbling
	1/15/2010	10:00	10:05	15.03	10.30	7.45	0.531	44.9	9.85	0.0	
	2/8/2010	14:53	14:58	14.67	9.50	6.90	0.463	-11.9	10.74	0.2	
	3/9/2010	13:16	13:21	14.99	9.40	6.99	0.565	-17.5	11.23	0.0	
	4/13/2010	14:07	14:12	14.42	8.76	6.96	0.659	79.5	11.70	0.0	
	5/11/2010	13:30	13:35	14.94	8.65	7.05	0.741	-16.9	10.80	0.0	
	6/15/2010	13:46	13:51	15.14	9.50	6.97	0.410	-6.5	11.44	0.0	
	7/13/2010	13:50	13:55	14.83	10.18	7.05	0.613	127.4	11.62	0.0	
	8/10/2010	11:00	11:05	14.49	11.13	7.20	0.638	167.0	11.50	0.0	
	9/14/2010	12:27	12:32	14.94	13.23	6.90	0.321	46.8	9.43	0.0	
10/12/2010	13:04	13:09	13.18	13.24	7.15	0.508	73.0	9.93	0.0		
11/15/2010	10:58	11:03	13.74	12.89	7.25	0.043	116.7	9.98	0.0		
12/15/2010	9:00	9:05	12.71	11.62	7.11	0.391	-133.0	3.00	0.0		
1/14/2011	12:45	12:50	13.13	10.56	7.19	0.468	124.7	10.37	0.0		
2/14/2011	8:37	8:42	13.88	9.92	6.80	0.337	56.0	9.86	0.0		
3/15/2011	16:04	16:09	11.57	7.61	7.08	0.471	-129.7	11.85	0.0		
4/14/2011	13:53	13:58	11.75	7.37	6.91	0.407	-317.6	9.62	0.0		
1595-MWS2	12/16/2008	NR	NR	NR	NR	NR	NR	-73.5	1.07	0.0	
	1/13/2009	9:25	9:43	12.2	10.52	6.88	1.384	-81.2	3.57	0.0	
	1/20/2009	8:40	9:00	11.45	8.46	7.02	0.000	6.9	4.53	0.0	
	2/5/2009	11:06	11:32	13.22	10.30	6.78	0.682	58.7	0.13	0.0	
	3/4/2009	9:18	9:37	12.63	9.48	6.68	0.348	-95.1	0.68	0.0	
	3/25/2009	15:40	16:21	12.35	8.42	6.27	0.570	-49.2	1.49	0.0	
	4/13/2009	13:53	13:58	12.05	8.87	7.18	0.975	-85.6	2.64	0.0	
	5/19/2009	10:09	10:14	12.28	9.07	6.90	1.826	-130.3	1.64	0.0	
	6/24/2009	13:45	13:50	12.78	11.23	6.81	1.165	-91.4	0.51	1.6	
	7/30/2009	10:14	10:19	13.74	12.40	6.70	1.308	-83.6	1.48	0.0	
	8/28/2009	10:18	10:23	14.43	13.23	6.50	1.935	-70.5	3.96	0.0	
9/16/2009	10:05	10:10	14.98	12.91	6.70	1.973	22	0.67	0.0		



**TABLE 3-3  
SUMMARY OF DO/ORP/PID DATA  
AREA 1595**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
	10/13/2009	10:23	10:28	15.26	13.72	6.73	1.822	-102.1	1.50	0.0	
	11/11/2009	10:28	10:33	15.34	14.01	6.65	1.673	-120.9	13.68	0.0	
	12/16/2009	11:23	11:28	15.43	12.65	7.06	0.612	-15.7	4.09	0.00	
	1/15/2010	10:12	10:17	15.81	11.44	6.74	0.953	49.1	0.99	1.3	
	2/8/2010	14:45	14:50	15.33	10.22	6.45	1.063	18.5	1.24	0.0	
	3/9/2010	13:02	13:07	15.84	10.22	6.52	2.035	-54.4	4.03	0.0	
	4/13/2010	13:55	14:00	15.25	10.06	6.96	1.682	53.5	3.48	0.0	
	5/11/2010	13:16	13:21	15.73	9.83	6.70	3.646	-57.2	0.44	0.0	
	6/15/2010	14:01	14:06	16.03	11.49	6.42	3.418	-66.8	0.77	0.0	
	7/13/2010	14:06	14:11	15.79	12.63	6.53	6.897	-88.1	2.04	0.9	
	8/10/2010	12:41	12:46	15.46	13.54	6.48	5.770	-86.8	1.36	0.0	
	9/14/2010	11:58	12:03	15.64	13.98	6.47	4.330	-28.1	0.80	3.2	
	10/12/2010	13:20	13:25	14.08	15.74	6.87	1.947	-62.4	0.92	0.2	
	11/15/2010	11:51	11:56	14.61	13.80	6.67	2.016	-72.2	1.34	0.0	
	12/15/2010	9:13	9:18	13.58	12.26	6.81	0.950	-193.3	0.38	0.0	
	1/14/2011	7:53	7:58	14.07	12.42	6.70	6.771	-195.8	0.62	0.0	
	2/14/2011	8:04	8:09	14.84	11.38	6.55	3.078	-135.2	0.44	0.0	
	3/15/2011	8:49	8:54	12.24	10.40	6.33	2.720	-140.7	0.60	0.3	
	4/14/2011	13:45	13:50	12.91	9.65	6.42	4.536	-357.4	-0.64	0.0	
1595-MWS8	12/16/2008	NR	NR	NR	NR	NR	NR	-29.5	0.93	0.0	
	1/13/2009	7:55	8:33	7.06	8.96	6.26	1.126	-39.9	0.17	0.0	
	1/20/2009	9:37	9:51	7.20	7.77	6.82	1.076	35.1	7.64	0.0	
	2/5/2009	9:53	10:39	7.70	9.93	6.64	1.599	2.5	0	0.0	
	3/4/2009	7:29	8:12	7.11	6.87	6.41	0.471	-28	0.73	0.0	
	3/25/2009	14:40	15:22	7.02	7.22	6.10	1.033	18.1	5.88	85.3	
	4/13/2009	14:34	14:39	6.89	8.13	6.78	0.443	-80.9	1.42	38.8	
	5/19/2009	10:23	10:28	7.13	10.28	6.45	0.858	-112.2	1.62	0.0	
	6/24/2009	13:03	13:08	7.51	14.51	6.20	1.093	-55.7	1.69	1.0	
	7/30/2009	9:15	9:20	8.08	16.40	6.29	0.745	-64.7	1.27	0.6	
	8/28/2009	9:56	10:01	8.64	17.33	6.08	0.785	-46.1	1.64	0.0	
	9/16/2009	NR	NR	NR	NR	NR	NR	NR	NR	NR	DTP=8.92 DTW=8.94; Not sampled
	10/13/2009	NR	NR	NR	NR	NR	NR	NR	NR	NR	DTP=8.93 DTW=8.95; Not sampled; LNAPL removed using system
	11/11/2009	NR	NR	NR	NR	NR	NR	NR	NR	NR	DTP=9.04 DTW=9.08; Not sampled; LNAPL removed by bailer
	12/16/2009	NR	NR	NR	NR	NR	NR	NR	NR	NR	DTP=9.01 DTW=9.04; Not sampled; LNAPL removed by bailer
	1/15/2010	NR	NR	NR	NR	NR	NR	NR	NR	NR	DTP=9.31 DTW=9.33; Not sampled; LNAPL removed by bailer
	2/8/2010	NR	NR	8.98	NR	NR	NR	NR	NR	NR	DTP=8.86 DTW=8.98; Not sampled; LNAPL removed by bailer
	3/9/2010	14:55	NR	9.31	NR	NR	NR	NR	NR	NR	DTP=9.31 DTW=9.33; Not sampled; LNAPL removed by bailer
	4/13/2010	15:00	NR	8.97	NR	NR	NR	NR	NR	52.80	DTP=8.86 DTW=8.97; Not sampled; LNAPL removed by bailer
	5/11/2010	14:50	14:55	9.18	10.33	6.24	0.434	-34.3	0.38	212.8	
	6/15/2010	15:07	15:12	9.46	13.01	6.08	0.611	-40.3	1.27	241.80	
	7/13/2010	15:20	15:25	9.38	14.98	6.10	0.307	-10.2	0.92	418.80	
	8/10/2010	11:35	11:40	9.28	14.36	6.26	0.408	55.5	0.56	215.10	
	9/14/2010	14:50	14:55	9.63	15.21	6.31	0.749	15.1	3.50	348.80	Had reading on interface probe. Checked with bailer, no product found. Sampled after all other wells for the day.
	10/12/2010	NR	NR	NR	NR	NR	NR	NR	NR	333.40	DTP=8.15 DTW=8.78; Not sampled
	11/15/2010	NR	NR	NR	NR	NR	NR	NR	NR	379.60	DTP=8.57 DTW=8.82; Not sampled
	12/15/2010	NR	NR	NR	NR	NR	NR	NR	NR	357.20	DTP=7.68 DTW=8.41; Not sampled
	1/14/2011	NR	NR	NR	NR	NR	NR	NR	NR	88.80	DTP=8.24 DTW=8.27; Not sampled
	2/14/2011	12:32	12:37	5.75	9.18	6.36	0.431	-39.00	1.69	74.70	
	3/15/2011	NR	NR	NR	NR	NR	NR	NR	NR	NR	DTP=6.90 DTW=7.74; Not sampled
	4/14/2011	14:38	14:43	7.33	7.62	6.20	0.514	-371.10	2.48	376.20	
1595-MWS9	12/16/2008	NR	NR	NR	NR	NR	NR	251.6	8.03	0.0	
	1/13/2009	7:50	8:31	4.30	9.46	7.61	0.749	160.9	11.25	0.0	
	1/20/2009	9:18	9:34	4.00	8.83	7.86	0.656	4.6	13.18	0.1	
	2/5/2009	9:47	10:11	4.09	9.48	7.49	0.536	81.6	0.96	0.8	
	3/4/2009	7:35	8:20	3.91	9.89	7.44	0.435	61.0	11.92	0.0	
	3/25/2009	14:33	15:02	4.23	8.00	7.16	0.396	2.1	12.05	19.4	
	4/13/2009	14:41	14:46	3.78	8.41	7.84	0.261	8.1	12.43	4.8	
	5/19/2009	10:37	10:42	3.87	9.85	7.48	0.792	134.1	13.02	0.1	
	6/24/2009	13:16	13:21	4.06	15.65	6.81	0.689	19.4	1.95	2.6	
	7/30/2009	9:27	9:32	4.26	15.40	7.00	0.604	75.5	6.88	1.1	
	8/28/2009	9:05	9:10	4.45	16.34	6.83	0.820	119.1	2.36	0.0	
	9/16/2009	9:15	9:20	4.63	14.56	6.95	1.008	206.2	2.06	0.4	
	10/13/2009	9:20	9:25	4.53	12.61	6.94	0.590	127.3	3.92	0.1	
	11/11/2009	9:30	9:35	4.66	11.51	7.12	0.857	47.4	11.56	0.2	
	12/16/2009	13:10	13:15	4.58	10.69	6.96	0.697	45.9	10.83	0.00	

**TABLE 3-3  
SUMMARY OF DO/ORP/PID DATA  
AREA 1595**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
	1/15/2010	9:20	9:25	4.81	8.45	7.34	0.864	53.4	10.35	9.0	
	2/8/2010	13:25	13:30	4.54	7.48	7.17	0.583	9.7	11.85	0.8	
	3/9/2010	15:06	15:11	4.76	7.03	6.88	0.621	5.1	9.80	1.2	
	4/13/2010	15:07	15:12	4.61	8.85	7.19	0.803	106.9	13.51	3.4	
	5/11/2010	14:37	14:42	4.73	10.38	7.10	0.779	-23.9	11.73	3.3	
	6/15/2010	14:55	15:00	4.93	14.35	6.62	0.486	-59.0	7.50	60.0	
	7/13/2010	15:00	15:05	4.89	18.15	7.27	0.288	136.1	9.15	5.8	
	8/10/2010	11:59	12:04	4.87	17.71	7.26	0.322	26.2	8.98	0.9	
	9/14/2010	11:39	11:44	5.05	16.45	7.11	0.429	-25.1	8.86	1.3	
	10/12/2010	14:04	14:09	4.38	14.21	7.25	0.289	0.1	8.49	0.3	
	11/15/2010	11:18	11:23	4.51	11.87	7.47	1.355	139.10	10.89	0.0	
	12/15/2010	10:30	10:35	4.16	8.79	7.47	1.257	-119.90	0.51	1.3	
	1/14/2011	12:07	12:12	4.34	9.62	7.47	1.043	138.30	10.18	0.0	
	2/14/2011	12:24	12:29	4.53	8.89	7.33	0.962	100.20	8.09	0.0	
	3/15/2011	15:51	15:56	3.83	8.65	7.31	0.859	-130.80	10.01	0.3	
	4/14/2011	14:30	14:35	3.93	8.24	7.05	0.652	-342.90	10.86	0.0	
1595-OBG2	12/16/2008	NR	NR	10.45	NR	NR	NR	NR	NR	123.0	DTP=10.20', 0.25' LNAPL detected in well. 1595-PZ-10 used as replacement for well.
	1/6/2009	NR	NR	NR	NR	NR	NR	NR	NR	NR	LNAPL detected in well, 2.5", bailer and absorbent pad used to collect LNAPL. 1595-PZ-10 used as replacement for well.
1595-OBG9	12/16/2008	NR	NR	NR	NR	NR	NR	167.4	11.97	0.0	
	1/13/2009	8:42	9:20	7.00	8.02	5.11	0.114	248.6	11.62	0.0	
	1/20/2009	10:38	11:00	6.24	7.83	5.43	0.337	-12.1	2.23	0.9	
	2/5/2009	10:48	11:27	7.89	8.36	6.21	0.109	131.7	0.01	0.1	
	3/4/2009	8:26	9:14	6.83	6.35	5.85	0.065	161.1	11.59	0.0	
	3/25/2009	16:21	17:32	7.04	5.70	5.72	0.073	203.2	11.21	0.0	
	4/13/2009	14:07	14:12	6.64	7.02	6.37	0.050	154.7	13.42	0.0	
	5/19/2009	9:45	9:50	6.96	8.64	6.80	0.104	151.7	13.21	0.0	
	6/24/2009	13:30	13:35	7.68	10.93	5.91	0.126	147.9	9.33	0.0	
	7/30/2009	9:53	9:58	8.58	11.66	5.47	0.497	135.3	7.45	0.0	
	8/28/2009	10:26	10:31	9.23	12.10	5.28	0.716	172.9	11.09	0.0	
	9/16/2009	9:40	9:45	9.86	11.74	5.52	0.742	128.0	6.78	0.0	
	10/13/2009	9:59	10:04	9.87	11.33	5.64	0.579	169.7	7.43	0.0	
	11/11/2009	10:06	10:11	9.96	11.13	5.47	0.393	105.5	8.48	0.0	
	12/16/2009	12:55	13:00	9.86	10.86	5.75	0.246	87.0	10.27	0.00	
	1/15/2010	10:25	10:30	10.36	9.20	6.13	0.272	60.4	8.74	0.9	
	2/8/2010	14:30	14:35	9.79	7.52	5.93	0.134	10.1	13.36	0.0	
	3/9/2010	13:56	14:01	10.24	8.57	5.18	0.138	138.7	12.08	0.6	
	4/13/2010	14:30	14:35	9.88	8.17	5.44	0.113	93.3	12.18	1.1	
	5/11/2010	14:03	14:08	10.24	8.60	5.46	0.148	112.9	10.74	0.0	
	6/15/2010	14:34	13:39	10.56	10.71	5.14	0.127	-3.0	11.94	0.3	
	7/13/2010	14:22	14:27	10.31	11.78	5.97	0.138	140.6	10.70	0.1	
	8/10/2010	12:54	12:59	10.16	12.89	6.44	0.165	124.8	10.67	0.0	
	9/14/2010	12:14	12:19	10.57	13.14	6.12	0.264	-15.5	8.75	0.0	
	10/12/2010	13:41	13:46	8.46	13.78	6.48	0.145	73.1	10.36	0.0	
	11/15/2010	12:01	12:06	9.17	13.14	6.11	0.137	145.80	8.53	0.0	
	12/15/2010	9:28	9:33	7.93	10.61	6.17	0.107	-131.00	5.21	0.3	
	1/14/2011	12:36	12:41	8.66	9.28	6.72	0.161	210.60	9.27	0.0	
	2/14/2011	8:25	8:30	9.45	9.46	6.27	0.159	58.20	7.71	0.0	
	3/15/2011	10:43	10:48	6.38	7.43	5.79	0.204	-130.60	11.27	0.1	
	4/14/2011	14:20	14:25	7.33	7.77	6.35	0.170	-316.30	12.01	0.0	
15915-PZ-10	1/13/2009	8:49	9:12	12.34	11.25	6.55	2.696	-17.6	0.05	0.0	Replacement for 1595-OBG2 (due to presence of LNAPL)
	1/20/2009	10:05	10:16	12.52	8.90	6.74	0.116	117.4	11.33	4.8	
	2/5/2009	10:17	10:43	13.26	9.31	6.35	0.393	11.5	0.29	0.0	
	3/4/2009	8:16	9:06	12.68	9.67	6.69	0.911	34.2	7.49	0.0	
	3/25/2009	15:09	15:36	12.51	8.12	6.00	0.676	-25.1	3.24	0.0	
	4/13/2009	14:21	14:26	12.24	8.36	6.77	0.141	0.7	3.78	0.0	
	5/19/2009	9:34	9:39	12.46	9.10	7.14	0.936	-37.8	4.37	0.0	
	6/24/2009	12:48	12:53	12.93	10.67	6.44	0.286	-77.6	0.38	15.9	
	7/30/2009	9:40	9:45	13.81	11.19	6.64	0.215	-65.5	0.91	2.4	
	8/28/2009	10:03	10:08	14.40	11.93	6.35	0.237	-61.2	6.16	1.7	
	9/16/2009	9:25	9:30	14.19	11.89	6.41	0.266	46.6	0.75	1.7	
	10/13/2009	9:45	9:50	15.17	11.39	6.95	2.055	-65.1	1.35	0.1	
	11/11/2009	9:57	10:02	15.24	11.74	6.76	1.098	-120.1	11.61	0.3	
	12/16/2009	11:50	11:55	15.39	11.37	7.14	1.287	-19.0	4.81	0.90	
	1/15/2010	9:30	9:35	15.64	10.60	6.56	0.188	52.4	3.14	4.0	
	2/10/2010	15:37	15:42	15.08	10.10	6.46	0.334	-15.1	1.43	1.2	
	3/9/2010	13:43	13:48	15.76	10.09	6.36	0.204	-25.8	1.43	2.4	
	4/13/2010	14:42	14:47	15.04	9.57	6.33	0.205	90.3	1.40	2.1	
	5/11/2010	14:16	14:21	15.51	9.37	6.33	0.232	-57.0	0.59	4.9	
	6/15/2010	14:24	14:29	15.85	10.63	6.41	0.351	-54.1	0.79	4.6	

**TABLE 3-3  
SUMMARY OF DO/ORP/PID DATA  
AREA 1595**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
	7/13/2010	14:38	14:43	15.77	10.73	6.84	1.062	131.2	12.02	14.9	
	8/10/2010	11:23	11:28	15.26	11.64	6.66	0.205	46.6	0.88	7.9	
	9/14/2010	11:03	11:08	15.87	12.68	6.20	0.234	-83.3	1.24	18.0	
	10/12/2010	13:52	13:57	14.26	13.29	6.94	1.313	7.0	3.31	36.4	
	11/15/2010	11:33	11:38	14.58	13.35	6.17	0.155	-92.8	0.74	28.2	
	12/15/2010	9:54	9:59	13.65	12.31	6.14	0.538	-195.5	0.02	19.3	
	1/14/2011	9:26	9:31	14.03	11.63	6.36	0.224	-123.2	0.95	10.7	
	2/14/2011	10:04	10:09	14.71	11.09	6.45	0.528	-52.2	1.48	24.4	
	3/15/2011	11:21	11:26	12.43	10.07	6.68	1.901	-129.4	11.19	0.0	
	4/14/2011	14:10	14:15	12.92	9.90	6.90	1.842	-310.6	9.74	7.4	

**Notes:**

NR = Not Recorded  
DTW = Depth to Water (feet)  
Temp = Temperature (degrees Fahrenheit)  
ORP = Oxidation Reduction Potential  
mV = Millivolts  
DO = Dissolved Oxygen (milligrams per liter)  
PID = Photoionization Detector  
ppm = Parts Per Million

**TABLE 3-4  
SUMMARY OF DO/ORP/PID DATA  
AREA 1595 Nutrient YSI**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
15951-1A	2/14/2011	12:17	12:22	2.89	9.66	7.40	0.942	96.0	7.26	0.0	
	3/15/2011	15:44	15:49	1.66	7.71	7.11	0.840	-132.8	10.49	0.0	
15951-2A	2/14/2011	12:10	12:15	6.37	10.50	9.94	0.635	87.8	12.76	0.2	
	3/15/2011	12:30	12:35	5.27	8.55	6.49	1.264	-141.7	13.06	0.0	
15951-3A	2/14/2011	12:02	12:07	5.35	10.55	6.54	1.881	114.8	11.54	1.0	
	3/15/2011	12:24	12:29	4.28	8.79	6.89	1.487	-145.7	13.37	0.8	
15951-4A	2/14/2011	11:52	11:57	7.55	10.56	6.64	3.282	100.8	8.09	0.0	
	3/15/2011	12:17	12:22	6.21	8.12	5.90	4.067	-121.8	7.78	0.2	
15951-5A	2/14/2011	11:42	11:47	13.21	11.43	6.35	2.803	126.4	5.98	0.0	
	3/15/2011	12:10	12:15	12.03	8.99	5.70	4.872	-116.8	8.27	0.4	
15952-1A	2/14/2011	11:14	11:19	5.50	10.33	6.94	0.677	72.0	12.15	0.1	
	3/15/2011	11:57	12:02	4.83	6.55	6.27	1.195	-125.6	12.88	0.0	
15952-2A	2/14/2011	11:21	11:26	7.49	9.77	7.06	0.622	83.4	10.66	0.0	
	3/15/2011	11:50	11:55	5.45	8.16	6.54	1.175	-132.9	10.46	0.0	
1595-2-3A	2/14/2011	11:28	11:33	7.90	9.87	6.71	2.466	102.3	4.82	1.1	
	3/15/2011	12:04	12:09	6.28	7.60	6.14	3.979	-126.10	7.52	0.2	
1595-2-4A	2/14/2011	11:09	11:14	6.75	10.21	6.83	2.561	71.6	3.83	0.0	
	3/15/2011	11:41	11:46	4.77	8.87	6.79	2.001	-133.20	3.12	0.0	
15952-5A	2/14/2011	10:55	11:00	6.67	9.79	7.00	1.580	43.2	1.40	0.0	
	3/15/2011	11:34	11:39	4.96	6.93	6.12	3.169	-120.20	2.69	0.0	
15962-6A	2/14/2011	10:47	10:52	3.20	11.52	6.98	2.521	57.6	3.44	0.1	
	3/15/2011	11:28	11:33	1.12	7.97	6.40	2.520	-126.70	10.03	0.0	
15953-1A	2/14/2011	10:11	10:16	8.16	9.22	6.58	0.781	26.6	3.84	0.0	
	3/15/2011	10:53	10:58	5.09	7.65	6.36	1.588	-134.30	0.87	0.0	
15953-2A	2/14/2011	10:35	10:40	10.28	11.06	7.32	0.501	30.6	12.58	0.0	
	3/15/2011	11:03	11:08	6.01	9.38	6.38	1.876	-124.40	12.04	0.0	
15953-3A	2/14/2011	10:26	10:31	10.73	11.22	6.82	1.579	36.3	5.06	0.0	
	3/15/2011	11:09	11:14	6.33	8.94	6.16	3.571	-122.90	0.63	0.0	
15953-4A	2/14/2011	10:19	10:24	11.43	11.39	6.88	1.339	53.2	10.81	0.0	
	3/15/2011	11:15	11:20	9.18	10.14	6.07	4.001	-110.80	12.03	0.0	
15954-1A	2/14/2011	9:36	9:41	8.73	10.84	7.39	0.544	43.0	12.26	0.0	
	3/15/2011	10:24	10:29	6.04	8.53	6.82	0.947	-122.40	9.43	0.0	
15954-2A	2/14/2011	9:48	9:53	7.40	10.51	7.10	1.406	51.6	11.07	0.0	
	3/15/2011	10:31	10:36	4.83	8.23	5.47	4.361	-89.50	9.87	0.0	
15954-3A	2/14/2011	9:29	9:34	9.25	11.55	7.26	0.986	12.1	8.71	0.1	
	3/15/2011	10:17	10:22	6.69	8.94	5.86	3.612	-100.00	7.50	0.0	
15954-4A	2/14/2011	9:19	9:24	9.97	11.33	6.47	2.733	29.2	2.95	0.4	
	3/15/2011	10:01	10:06	7.46	9.57	6.62	1.327	-126.50	3.43	0.0	
15954-5a	2/14/2011	9:54	9:59	9.57	11.84	7.11	1.061	54.9	9.66	0.0	
	3/15/2011	10:07	10:12	7.16	8.37	5.21	5.990	-83.40	8.06	0.0	
15954-6A	2/14/2011	9:05	9:10	11.04	11.74	7.14	1.053	7.2	5.61	0.0	
	3/15/2011	9:43	9:48	8.59	9.56	5.82	4.378	-101.10	6.82	0.0	
15954-7A	2/14/2011	9:12	9:17	11.52	11.18	7.34	0.609	-5.9	8.25	0.0	
	3/15/2011	9:52	9:57	9.18	9.43	5.26	5.672	-90.70	7.14	0.0	
1595-5-1A	2/14/2011	8:13	8:18	11.22	11.72	6.68	0.994	-9.1	1.58	0.0	
	3/15/2011	9:02	9:07	8.89	9.66	5.90	3.372	-116.300	9.000	0.0	
1595-5-2A	2/14/2011	7:55	8:00	11.84	11.44	6.35	2.108	223.9	6.93	0.0	
	3/15/2011	8:55	9:00	9.20	10.70	6.16	2.192	-131.70	7.89	0.0	
1595-3A	2/14/2011	7:46	7:51	11.68	11.30	7.11	3.913	217.3	8.82	0.0	
	3/15/2011	8:42	8:47	9.18	8.66	5.98	5.683	-86.00	8.77	0.0	

**TABLE 3-4  
SUMMARY OF DO/ORP/PID DATA  
AREA 1595 Nutrient YSI**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
1595-5-4A	2/14/2011	7:37	7:42	11.83	10.75	6.58	1.537	228.8	9.36	0.0	
	3/15/2011	8:35	8:40	9.49	9.37	5.84	2.613	-84.60	8.74	0.0	
1595-6-1A	2/14/2011	7:14	7:19	10.99	11.10	7.24	0.598	170.4	9.94	0.0	
	3/15/2011	8:26	8:31	8.33	7.99	5.70	3.252	-85.100	9.360	0.0	
1595-6-2A	2/14/2011	7:07	7:12	11.04	10.95	6.96	0.477	108.3	8.88	0.0	
	3/15/2011	8:20	8:25	8.38	8.01	5.63	2.937	-85.20	8.94	0.0	
1595-6-3A	2/14/2011	7:20	7:25	11.07	11.49	6.73	0.262	107.3	9.75	0.0	
	3/15/2011	8:14	8:19	8.52	8.63	5.31	2.868	-81.7	9.33	0.0	
1595-6-4A	2/14/2011	7:00	7:05	11.09	10.07	6.16	1.055	201.7	9.05	0.0	
	3/15/2011	8:08	8:13	8.56	8.36	4.46	3.196	-79.6	9.58	0.0	
15956-5A	2/14/2011	7:27	7:32	11.21	11.36	7.05	0.444	172.9	8.19	0.0	
	3/15/2011	8:02	8:07	8.79	8.30	5.66	3.348	-80.3	8.96	0.0	
1595-6-6A	2/14/2011	6:52	6:57	11.15	9.63	6.29	0.454	165.7	8.27	0.0	
	3/15/2011	7:56	8:01	8.81	7.45	4.22	5.102	-66.1	8.93	0.0	

**Notes:**

NR = Not Recorded  
DTW = Depth to Water (feet)  
Temp = Temperature (degrees Fahrenheit)  
ORP = Oxidation Reduction Potential  
mV = Millivolts  
DO = Dissolved Oxygen (milligrams per liter)  
PID = Photoionization Detector  
ppm = Parts Per Million

**TABLE 3-5  
SUMMARY OF ESTIMATED CONTAMINANT REMOVAL  
AREA 1795**

**System A**

<b>Monitoring Date</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (lb)</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (gal)</b>	<b>LNAPL Recovery (gal)</b>
<b>February</b>	140.99	22.45	0
<b>March</b>	94.67	15.08	0
<b>April</b>	9.20	1.47	0
<b>Quarter Total</b>	244.86	38.99	0
<b>Total to Date</b>	7,287.18	1,160.38	0.2

**System B**

<b>Monitoring Date</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (lb)</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (gal)</b>	<b>LNAPL Recovery (gal)</b>
<b>February</b>	0.00	0.00	0
<b>March</b>	0.00	0.00	0
<b>April</b>	0.00	0.00	0
<b>Quarter Total</b>	0.00	0.00	0
<b>Total to Date</b>	1,225.25	195.10	0

Note: Area 1795B SVE system legs connected to 1795A as of December 1, 2009.

lb = pounds

gal = gallons

**TABLE 3-6  
CUMULATIVE VOLUME OF TREATED GROUNDWATER  
AREA 1795**

***System A***

<b>Description</b>	<b>February</b>	<b>March</b>	<b>April</b>	<b>Total/Average</b>
<b>Gallons</b>	0	0	0	0
<b>Hours Operated</b>	670	711	452	1,834
<b>Days Operated</b>	28	30	19	76
<b>Average (gal/min)</b>	0.000	0.000	0.000	0.000

***System B***

<b>Description</b>	<b>February</b>	<b>March</b>	<b>April</b>	<b>Total/Average</b>
<b>Gallons</b>	0	0	0	NA
<b>Hours Operated</b>	0	0	0	NA
<b>Days Operated</b>	0	0	0	NA
<b>Average (gal/min)</b>	NA	NA	NA	NA

Note: Area 1795B SVE system legs connected to 1795A as of December 1, 2009.

**TABLE 3-7  
SUMMARY OF DO/ORP/PID DATA  
AREA 1795**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
1795-MW6	12/17/2008	NR	NR	NR	NR	NR	NR	158.30	5.38	0.00	
	1/13/2009	14:06	14:26	4.01	5.72	7.33	0.336	94.40	6.44	0.10	
	1/20/2009	14:37	14:43	4.22	5.64	7.20	0.321	83.70	4.71	0.00	
	2/3/2009	10:52	11:13	4.97	5.85	6.96	0.278	93.70	0.61	0.00	
	3/3/2009	15:33	15:54	3.71	5.15	7.08	0.246	8.20	4.68	0.00	
	3/26/2009	13:35	13:54	3.98	2.79	7.20	0.267	39.10	10.99	0.00	
	4/13/2009	16:01	16:06	3.58	4.70	7.61	0.378	221.60	13.86	0.00	
	5/18/2009	15:25	15:30	3.62	10.09	7.74	0.353	8.10	8.81	0.00	
	6/23/2009	14:35	14:40	4.74	12.25	7.36	0.384	18.50	0.83	0.00	
	7/30/2009	13:00	13:05	5.59	14.30	7.14	0.402	13.00	1.93	0.00	
	8/28/2009	11:31	11:36	6.80	14.39	6.77	0.392	-68.80	10.77	0.00	
	9/16/2009	13:07	13:12	8.27	13.02	7.05	0.506	23.80	1.37	0.0	
	10/13/2009	13:06	13:11	9.04	11.79	6.83	1.464	53.30	1.55	0.0	
	11/11/2009	14:16	14:21	9.12	10.97	6.79	1.032	45.00	7.55	0.2	
	12/16/2009	10:37	10:42	9.45	9.18	6.94	1.124	24.00	3.06	0.1	
	1/13/2010	10:07	10:12	9.91	7.86	7.24	1.064	-15.10	3.96	0.0	
	2/8/2010	12:50	12:55	9.03	5.22	7.03	0.471	-21.40	12.81	0.0	
	3/8/2010	14:09	14:14	9.82	6.31	6.80	0.550	59.30	11.96	0.0	
	4/12/2010	15:04	15:09	9.45	6.57	6.71	0.394	45.90	10.34	0.0	
	5/10/2010	15:00	15:05	10.09	7.20	7.02	0.472	24.60	8.72	0.0	
	6/14/2010	14:37	14:42	10.52	8.72	6.68	0.402	12.80	6.09	0.0	
	7/13/2010	13:08	13:13	10.58	9.57	7.16	0.370	53.70	6.60	0.0	
	8/11/2010	14:57	15:02	14.71	10.86	6.79	0.081	133.00	7.55	0.0	
	9/15/2010	12:20	12:25	10.81	11.63	7.01	0.630	65.40	9.79	0.0	
	10/11/2010	14:10	14:15	8.87	12.96	6.80	0.331	83.70	7.66	0.0	
11/15/2010	13:35	13:40	9.73	11.31	6.34	0.492	137.70	6.58	0.0		
12/13/2010	14:22	14:27	9.31	11.24	6.44	0.509	-128.60	7.30	0.0		
1/18/2011	9:08	9:13	9.56	7.46	7.29	0.369	-36.30	8.33	0.0		
2/15/2011	11:00	11:05	10.33	7.78	6.98	0.433	-17.60	6.31	0.0		
3/16/2011	10:58	11:03	6.48	4.32	7.24	0.408	-121.30	11.79	0.0		
4/14/2011	13:28	13:33	7.97	5.38	6.77	0.340	-326.90	11.25	0.0		
1795-MW38	12/17/2008	NR	NR	NR	NR	NR	NR	76.90	10.11	0.00	
	1/13/2009	11:45	12:23	4.15	5.22	7.01	0.343	78.50	0.96	1.50	
	1/20/2009	14:50	15:00	4.83	5.03	7.17	0.333	67.90	0.56	0.80	
	2/3/2009	15:28	15:50	5.38	7.02	7.36	0.239	124.40	0.10	754.00	
	3/3/2009	16:05	16:22	4.71	3.81	7.33	0.137	23.10	9.68	0.00	Well bubbling
	3/26/2009	14:07	14:32	4.54	1.74	7.78	0.183	15.10	8.88	0.00	Well bubbling
	4/13/2009	15:42	15:47	3.89	4.73	7.61	0.282	205.30	11.87	0.00	
	5/18/2009	15:47	15:52	4.11	9.15	7.82	0.266	137.30	11.19	0.00	
	6/23/2009	15:07	15:12	4.72	13.14	7.97	0.252	42.10	9.71	0.00	Well bubbling
	7/30/2009	13:30	13:35	5.33	16.34	7.39	0.263	7.70	8.17	0.00	
	8/28/2009	10:57	11:02	10.31	15.40	6.63	0.445	129.70	3.03	44.80	
	9/16/2009	10:55	11:00	10.92	15.49	7.12	0.466	43.00	1.66	1,082.0	
	10/13/2009	10:50	10:55	10.77	13.89	7.02	0.746	47.20	5.75	1,132.0	
	11/11/2009	12:52	12:57	10.77	13.71	6.94	1.400	92.10	11.95	653.0	
	12/16/2009	10:48	10:53	11.06	11.11	7.07	1.304	25.80	8.30	723.7	
	1/13/2010	10:52	10:57	11.28	10.46	7.19	2.050	34.10	6.45	471.4	
	2/8/2010	10:46	10:51	11.25	7.68	7.02	0.357	-16.40	1.36	337.2	
	3/8/2010	13:03	13:08	11.24	8.24	6.97	0.587	61.10	1.38	334.6	
	4/12/2010	13:35	13:40	11.16	8.17	7.17	0.586	15.90	1.80	302.6	
	5/10/2010	12:55	13:00	11.42	8.65	7.05	1.143	50.50	4.90	314.6	
	6/15/2010	13:04	13:09	11.46	10.47	6.47	2.748	31.50	8.26	326.4	
	7/13/2010	11:43	11:48	11.41	11.09	6.69	2.647	163.10	11.61	606.3	
	8/11/2010	15:33	15:38	11.48	12.57	6.92	1.136	15.80	6.37	176.5	
	9/14/2010	12:29	12:34	11.45	13.08	7.14	0.797	77.20	11.52	133.8	
	10/11/2010	12:54	12:59	10.82	14.85	6.99	0.554	56.80	1.13	278.3	
11/15/2010	13:45	13:50	11.23	13.23	6.69	0.661	111.70	2.45	142.8		
12/13/2010	14:00	14:05	10.82	11.31	6.57	3.175	-119.20	0.14	60.5		
1/18/2011	8:33	8:38	11.28	10.47	6.92	2.824	125.40	5.65	68.4		
2/15/2011	11:30	11:35	11.51	8.22	6.79	3.184	55.40	7.31	35.8		
3/16/2011	11:09	11:14	10.41	6.89	6.97	3.252	-130.00	7.28	3.9		
4/14/2011	10:58	11:03	10.98	7.61	6.78	4.376	-342.10	10.57	7.1		
1795-MWS11	12/17/2008	NR	NR	11.02	NR	NR	NR	NR	NR	0.00	Sheen
	1/13/2009	13:15	13:43	10.08	11.20	6.75	0.335	-55.80	0.03	0.00	
	1/20/2009	14:00	14:13	9.56	11.36	7.83	0.381	-13.20	0.01	0.00	
	2/3/2009	10:14	10:39	11.91	9.54	6.48	0.204	117.60	0.39	0.00	
	3/3/2009	14:50	15:19	10.84	8.23	6.78	0.167	-30.20	0.75	6.50	
	3/26/2009	13:15	13:33	10.85	7.87	7.50	0.263	-96.90	0.87	0.00	
	4/13/2009	16:12	16:17	10.34	7.16	7.25	0.503	11.90	5.54	97.70	
	5/18/2009	15:13	15:18	10.80	8.65	6.88	0.313	21.30	2.59	32.10	
	6/23/2009	13:32	13:37	11.23	11.20	5.89	0.315	109.50	3.08	1.30	
	7/30/2009	12:03	12:08	12.16	12.90	6.91	0.218	82.30	3.45	0.70	
	8/28/2009	12:44	12:49	13.40	11.40	6.00	0.392	29.40	1.36	0.00	
9/16/2009	11:17	11:22	14.14	12.26	6.94	0.445	2.80	1.67	0.0		



**TABLE 3-7  
SUMMARY OF DO/ORP/PID DATA  
AREA 1795**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
	10/13/2009	11:17	11:22	14.74	11.64	6.79	0.416	-52.70	1.80	0.0	
	11/11/2009	13:17	13:22	14.74	11.85	6.67	0.414	-49.20	1.15	0.3	
	12/16/2009	9:47	9:52	15.06	10.41	6.74	0.357	39.50	2.69	0.8	
	1/13/2010	9:17	9:22	15.53	9.65	6.57	0.338	56.20	1.92	0.2	
	2/8/2010	11:13	11:18	14.96	9.91	7.10	0.212	-46.30	2.44	0.2	
	3/8/2010	13:37	13:42	15.51	9.65	6.75	0.216	3.70	4.42	0.0	
	4/12/2010	14:04	14:09	14.83	9.21	6.50	0.188	32.40	4.33	0.0	
	5/10/2010	13:36	13:41	15.46	9.24	6.77	0.225	10.00	5.84	0.0	
	6/15/2010	13:36	13:41	15.94	10.55	6.57	0.179	32.70	3.92	0.0	
	7/13/2010	12:21	12:26	15.89	11.64	6.37	0.168	70.40	1.17	0.1	
	8/11/2010	14:43	14:48	15.84	12.16	6.46	0.162	132.30	6.14	0.0	
	9/15/2010	11:55	12:00	15.84	11.96	5.95	0.147	83.20	3.94	0.0	
	10/11/2010	13:16	13:21	15.21	12.33	6.89	0.197	-21.50	0.49	0.0	
	11/15/2010	12:41	12:46	15.37	12.38	5.52	0.144	185.40	8.23	0.0	
	12/13/2010	13:25	13:30	14.63	10.88	6.41	0.159	-112.80	1.82	0.0	
	1/18/2011	7:57	8:02	14.61	10.23	6.73	0.240	116.00	3.34	0.0	
	2/15/2011	10:20	10:25	15.39	10.28	6.38	0.182	10.40	2.74	0.0	
	3/16/2011	10:35	10:40	13.37	8.51	6.77	0.312	-120.40	5.10	0.0	
	4/14/2011	13:08	13:13	13.93	8.77	6.52	0.172	-367.10	2.16	0.0	
1795-MWS16	12/17/2008	NR	NR	NR	NR	NR	NR	233.80	12.04	0.00	
	1/13/2009	12:58	13:34	14.45	6.73	7.18	0.002	187.20	12.80	0.00	
	1/20/2009	13:38	13:53	14.56	7.89	6.21	0.013	198.10	11.37	0.00	
	2/3/2009	10:23	10:44	15.34	8.82	6.08	0.540	131.20	0.25	0.00	
	3/3/2009	14:58	15:22	15.25	7.88	6.14	0.030	124.50	11.45	0.00	
	3/26/2009	12:44	13:16	14.59	6.87	6.58	0.041	78.50	12.25	0.00	
	4/13/2009	16:21	16:26	14.46	6.84	7.76	0.117	201.00	13.63	0.00	
	5/18/2009	15:02	15:07	14.92	7.53	7.09	0.055	172.90	12.65	0.00	
	6/23/2009	13:46	13:51	15.11	10.34	6.48	0.074	207.00	13.26	0.00	
	7/30/2009	12:16	12:21	16.23	10.13	7.00	0.055	92.90	8.34	98.20	
	8/28/2009	12:31	12:36	17.21	10.11	6.21	0.079	162.10	14.82	230.60	
	9/16/2009	11:27	11:32	17.84	10.51	7.19	0.088	9.60	9.00	85.4	
	10/13/2009	11:32	11:37	18.64	10.68	6.89	0.067	48.10	9.73	0.0	
	11/11/2009	13:29	13:34	19.01	11.13	6.81	0.060	20.80	10.03	0.5	
	12/16/2009	9:58	10:03	19.13	10.06	7.49	0.059	-0.90	11.55	0.4	
	1/13/2010	9:00	9:05	19.34	8.65	6.88	0.073	18.30	10.39	0.7	
	2/8/2010	11:24	11:29	18.83	8.85	7.20	0.051	-35.00	11.03	0.0	
	3/8/2010	13:52	13:57	19.36	8.97	6.44	0.068	65.20	12.45	0.0	
	4/12/2010	14:20	14:25	18.39	9.43	6.81	0.051	28.30	12.79	0.0	
	5/10/2010	13:55	14:00	18.89	8.46	6.72	0.070	39.60	11.52	30.1	
	6/14/2010	13:48	13:53	19.58	9.59	6.31	0.066	18.80	12.85	36.7	
	7/13/2010	12:31	12:36	19.91	10.21	6.49	0.057	105.70	11.58	7.2	
	8/11/2010	14:32	14:37	20.01	10.82	6.92	0.075	61.00	24.36	33.7	
	9/15/2010	11:45	11:50	20.26	9.98	6.83	0.068	77.60	10.48	1.2	
	10/11/2010	13:31	13:36	19.64	11.30	6.05	0.110	96.90	6.88	28.1	
	11/15/2010	12:30	12:35	19.06	11.51	6.40	0.051	109.40	10.01	9.6	
	12/13/2010	13:39	13:44	18.60	10.46	6.64	0.055	-96.70	6.61	0.0	
	1/18/2011	7:47	7:52	18.07	9.06	7.12	0.118	76.80	10.66	0.0	
	2/15/2011	10:03	10:08	18.84	9.62	6.45	0.059	78.10	11.11	0.0	
	3/16/2011	10:27	10:32	17.53	7.96	6.82	0.158	-118.90	11.18	0.0	
	4/14/2011	12:58	10:03	16.98	8.23	7.01	0.049	-338.10	10.56	0.0	
1795-MWS3	12/17/2008	NR	NR	NR	NR	NR	NR	192.70	8.38	1.60	
	1/13/2009	12:35	13:11	9.85	7.95	5.75	0.153	78.60	0.06	0.80	
	1/20/2009	13:10	13:26	10.15	6.53	6.12	0.136	87.10	2.60	2.30	
	2/3/2009	10:00	10:18	10.64	7.47	5.60	0.106	148.10	0.06	0.00	
	3/3/2009	14:10	14:53	10.23	6.90	5.36	0.266	99.60	0.42	0.00	
	3/26/2009	12:22	12:39	9.85	5.59	6.10	0.337	129.70	0.83	0.00	
	4/13/2009	16:31	16:36	9.47	5.51	7.33	0.205	213.00	10.64	0.00	
	5/18/2009	14:49	14:54	10.02	6.83	6.33	0.152	192.10	5.59	0.00	
	6/23/2009	14:07	14:12	10.41	9.12	6.67	0.054	197.30	12.21	3.30	
	7/30/2009	12:28	12:33	11.44	10.20	6.72	0.050	140.20	9.14	0.80	
	8/28/2009	12:19	12:24	12.65	10.86	5.65	0.060	191.20	8.47	0.00	
	9/16/2009	11:40	11:45	13.28	10.47	5.60	0.137	95.90	1.71	0.0	
	10/13/2009	10:46	10:51	14.86	9.54	6.57	0.402	-63.70	1.36	0.7	
	11/11/2009	13:40	13:45	14.21	10.02	6.53	0.431	-86.50	1.57	0.4	
	12/16/2009	10:10	10:15	14.36	8.86	6.68	0.385	6.10	1.45	0.2	
	1/13/2010	8:40	8:45	14.74	7.96	6.71	0.549	-30.40	3.50	0.4	
	2/8/2010	11:44	11:49	14.28	7.73	6.56	0.419	-24.40	1.52	0.0	
	3/8/2010	14:58	15:03	14.84	7.08	6.16	0.394	-15.90	2.30	0.0	
	4/12/2010	14:31	14:36	13.96	7.87	6.55	0.436	29.60	1.41	0.1	
	5/10/2010	14:11	14:16	14.47	7.46	6.69	0.420	-70.40	4.27	0.3	
	6/14/2010	14:02	14:07	15.12	8.96	5.61	0.308	-11.20	0.91	0.0	
	7/13/2010	12:44	12:49	15.29	9.90	6.31	0.343	-26.40	1.17	0.1	
	8/11/2010	14:18	14:23	15.33	11.38	6.67	0.378	-70.30	1.95	0.0	
	9/15/2010	11:35	11:40	15.61	10.89	6.31	0.302	87.10	7.88	0.0	

**TABLE 3-7  
SUMMARY OF DO/ORP/PID DATA  
AREA 1795**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
	10/11/2010	14:23	14:28	15.17	13.16	6.68	0.054	107.00	11.29	16.3	
	11/15/2010	12:20	12:25	15.66	10.67	5.90	0.152	68.20	4.36	0.0	
	12/13/2010	13:50	13:55	14.30	9.28	6.31	0.227	-158.40	2.30	0.4	
	1/18/2011	7:32	7:37	13.64	8.05	6.74	0.220	61.40	4.27	0.0	
	2/15/2011	9:41	9:46	14.42	8.57	4.42	14.160	138.50	0.77	0.0	
	3/16/2011	10:19	10:24	13.13	6.88	6.93	0.485	-131.40	6.20	10.3	
	4/14/2011	12:49	12:54	12.64	7.06	6.22	0.089	-379.60	0.90	0.0	
1795-MWS4	12/17/2008	NR	NR	NR	NR	NR	NR	279.20	10.54	0.00	
	1/13/2009	12:14	12:40	8.50	6.36	5.96	0.046	168.20	10.56	0.00	
	1/20/2009	12:33	13:00	8.73	5.86	5.99	0.030	110.20	0.02	0.00	
	2/3/2009	9:45	10:08	9.21	6.51	6.01	0.035	146.80	0.69	0.00	
	3/3/2009	14:00	14:26	8.45	5.04	5.63	0.027	222.70	7.91	0.00	
	3/26/2009	11:55	12:17	7.72	4.51	7.31	0.025	92.50	12.80	0.00	
	4/13/2009	18:12	18:17	7.28	4.88	6.51	0.030	195.10	12.76	0.00	
	5/18/2009	15:35	15:40	8.16	7.29	7.63	0.048	150.50	13.06	0.00	
	6/23/2009	14:21	14:26	9.77	9.85	6.41	0.034	222.90	9.91	0.00	
	7/30/2009	12:50	12:55	10.02	11.13	6.54	0.033	170.10	7.72	0.0	
	8/28/2009	11:44	11:49	11.06	11.63	5.76	0.035	160.80	12.56	0.00	
	9/16/2009	13:20	13:25	11.86	11.32	6.50	0.040	73.60	7.70	0.0	
	10/13/2009	13:16	13:21	12.64	9.57	6.24	0.039	148.10	7.52	0.0	
	11/11/2009	13:55	14:00	12.91	10.07	5.70	0.046	144.60	7.70	0.3	
	12/16/2009	10:23	10:28	13.13	8.60	6.22	0.032	53.00	10.40	0.8	
	1/13/2010	10:30	10:35	13.49	8.11	7.00	0.385	17.70	7.25	0.0	
	2/8/2010	13:06	13:11	12.91	6.27	6.93	0.032	-26.10	10.16	0.0	
	3/8/2010	14:37	14:42	13.61	6.86	6.06	0.048	103.70	10.74	0.0	
	4/12/2010	14:50	14:55	12.58	8.73	7.18	0.028	67.90	12.18	0.0	
	5/10/2010	14:33	14:38	13.37	6.89	5.82	0.042	72.10	2.50	0.0	
	6/14/2010	14:20	14:25	14.03	8.66	5.83	0.052	31.90	8.07	0.0	
	7/13/2010	12:53	12:58	14.51	9.73	6.48	0.359	45.70	2.39	0.0	
	8/11/2010	15:10	15:15	10.87	11.76	6.96	0.787	40.60	8.90	0.0	
	9/15/2010	12:10	12:15	14.93	9.64	6.65	0.962	73.10	2.85	0.0	
	10/11/2010	13:54	13:59	14.18	11.67	5.89	0.970	135.60	11.60	0.0	
	11/15/2010	12:52	12:57	13.51	10.65	5.75	0.034	189.90	10.03	0.0	
	12/13/2010	14:31	14:36	12.74	10.44	5.97	0.071	-143.60	8.64	0.0	
	1/18/2011	8:09	8:14	12.73	7.41	6.93	0.195	152.50	11.48	0.0	
	2/14/2011	10:39	10:44	13.51	8.08	6.67	0.610	-37.70	3.84	0.0	
	3/16/2011	10:46	10:51	12.20	6.22	6.70	0.109	-118.50	10.65	0.1	
	4/14/2011	13:19	13:24	11.05	6.19	6.43	0.034	-336.10	10.84	0.0	
1795-MWS7	12/17/2008	NR	NR	NR	NR	NR	NR	-79.90	3.44	95.70	
	1/13/2009	14:03	14:32	6.40	10.14	6.67	1.698	-80.30	0.01	14.20	
	1/20/2009	14:20	14:35	7.03	9.76	6.58	0.734	-42.30	13.05	0.30	
	2/3/2009	11:03	11:28	5.37	6.05	6.29	0.168	126.50	0.06	0.00	
	3/3/2009	15:29	15:51	6.80	5.78	6.74	1.659	-80.20	1.87	106.00	
	3/26/2009	13:40	13:57	7.98	5.18	7.21	1.633	-85.00	2.19	83.60	
	4/13/2009	15:51	15:56	6.45	6.38	6.99	2.378	-16.80	6.58	109.00	
	5/18/2009	15:57	16:02	6.61	11.11	7.22	3.325	-39.80	0.82	40.80	
	6/23/2009	14:55	15:00	7.36	14.17	7.49	3.290	-98.70	0.61	266.00	
	7/30/2009	13:17	13:22	8.11	16.04	6.73	3.727	-90.70	0.96	26.80	
	8/28/2009	11:19	11:24	10.50	17.10	6.67	2.020	-95.50	0.67	24.80	
	9/16/2009	11:06	11:11	11.89	15.78	7.21	2.508	2.10	0.63	3.4	
	10/13/2009	11:06	11:11	11.98	14.90	7.02	2.873	-110.70	0.68	51.3	
	11/11/2009	13:06	13:11	12.01	14.51	7.05	1.847	-124.70	8.05	1,452.0	
	12/16/2009	9:35	9:40	12.57	12.51	7.15	1.098	54.10	1.42	996.2	
	1/13/2010	9:47	9:52	13.08	10.10	7.07	3.031	-39.70	0.34	1,852.1	
	2/8/2010	11:00	11:05	12.58	9.75	6.77	0.750	-36.40	1.20	779.40	
	3/8/2010	13:20	13:25	12.61	9.58	6.67	1.045	-57.90	1.33	731.7	
	4/12/2010	13:48	13:53	12.64	9.46	6.71	1.318	17.50	1.79	700.2	
	5/10/2010	13:11	13:16	13.26	9.80	6.73	3.640	-86.50	0.52	942.2	
	6/15/2010	13:24	13:29	13.46	13.03	6.29	3.340	-21.20	0.80	892.2	
	7/13/2010	12:10	12:15	13.41	13.53	6.79	8.150	-66.00	2.12	4,573.0	
	8/11/2010	15:21	15:26	13.55	15.44	6.51	2.990	36.80	2.13	21.7	Leg 2 was hooked up
	9/15/2010	12:37	12:42	13.29	13.96	6.69	3.110	73.30	5.85	12.3	
	10/11/2010	13:06	13:11	11.86	17.18	6.38	0.860	-49.60	1.18	8.2	
	11/15/2010	13:54	13:59	12.83	15.07	6.39	0.966	-92.80	0.07	301.8	
	12/13/2010	14:11	14:16	12.01	12.78	6.69	0.900	-208.00	0.03	450.3	
	1/18/2011	8:42	8:47	12.85	10.50	6.70	0.641	-103.10	0.99	1.8	
	2/15/2011	11:48	11:53	13.34	10.50	7.03	2.643	-112.30	1.53	1.1	

**TABLE 3-7  
SUMMARY OF DO/ORP/PID DATA  
AREA 1795**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
	3/16/2011	11:17	11:22	10.68	7.72	6.89	0.886	-124.00	4.82	1.0	
	4/14/2011	13:36	13:41	11.92	8.15	6.38	0.082	-362.40	-0.33	1.9	

**Notes:**

NR = Not Recorded  
 DTW = Depth to Water (feet)  
 Temp = Temperature (degrees Fahrenheit)  
 ORP = Oxidation Reduction Potential  
 mV = Millivolts  
 DO = Dissolved Oxygen (milligrams per liter)  
 PID = Photoionization Detector  
 ppm = Parts Per Million

**TABLE 3-8  
SUMMARY OF ESTIMATED CONTAMINANT REMOVAL  
AREAS 1995 AND 3805**

**System A**

<b>Monitoring Date</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (lb)</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (gal)</b>	<b>LNAPL Recovery (gal)</b>
Febraruy	0.00	0.00	0
March	0.00	0.00	0
January	0.00	0.00	0
Quarter Total	0.00	0.00	0
Total to Date	16,143.22	2,570.58	<1

**System B**

<b>Monitoring Date</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (lb)</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (gal)</b>	<b>LNAPL Recovery (gal)</b>
February	0.00	0.00	0.117
March	0.00	0.00	0.423
April	0.52	0.08	0.219
Quarter Total	0.52	0.08	0.759
Total to Date	14,191.53	2,259.80	23.13

**System C**

<b>Monitoring Date</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (lb)</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (gal)</b>	<b>LNAPL Recovery (gal)</b>
February	0.00	0.00	0
March	0.00	0.00	0
April	0.00	0.00	0
Quarter Total	0.00	0.00	0
Total to Date	4,054.99	645.70	2

**System D**

<b>Monitoring Date</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (lb)</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (gal)</b>	<b>LNAPL Recovery (gal)</b>
February	0.00	0.00	0
March	0.00	0.00	0
April	0.00	0.00	0
Quarter Total	0.00	0.00	0
Total to Date	1,161.00	184.87	<1

Note: Area 3805A System shut down as of April 8, 2009.  
Area 3805D System shut down as of August 6, 2008.

**TABLE 3-9  
CUMULATIVE VOLUME OF TREATED GROUNDWATER  
AREAS 1995 AND 3805**

**System A**

Description	February	March	April	Total/Average
Gallons	0	0	0	NA
Hours Operated	0	0	0	NA
Days Operated	0	0	0	NA
Average (gal/min)	NA	NA	NA	NA

**System B**

Description	February	March	April	Total/Average
Gallons	0	0	355	355
Hours Operated	0	0	16	16
Days Operated	0	0	1	1
Average (gal/min)	NA	NA	0.38	0.38

**System C**

Description	February	March	April	Total/Average
Gallons	0	0	51	51
Hours Operated	0	0	229	229
Days Operated	0	0	10	10
Average (gal/min)	NA	NA	0.00	0.00

**System D**

Description	February	March	April	Total/Average
Gallons	0	0	0	NA
Hours Operated	0	0	0	NA
Days Operated	0	0	0	NA
Average (gal/min)	NA	NA	NA	NA

Note: Area 3805A System shut down as of April 8, 2009.  
Area 3805D System shut down as of August 6, 2008.

**TABLE 3-10  
SUMMARY OF DO/ORP/PID DATA  
AREAS 1995 AND 3805**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
<b>Systems A &amp; B</b>											
3805-MW16	12/19/2008	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	1/12/2009	14:34	15:01	12.58	10.93	7.96	0.837	21.30	0.15	5.5	
	1/19/2009	13:10	13:30	19.90	10.63	8.15	0.850	32.70	3.65	4.4	
	2/4/2009	14:11	14:48	14.04	11.57	7.46	0.670	154.20	0.02	3.9	
	3/4/2009	15:33	16:03	13.87	11.19	7.70	0.575	31.40	4.64	0.0	
	3/27/2009	13:30	13:56	14.03	10.43	7.65	0.674	-45.70	5.61	0.0	
	4/14/2009	12:37	13:02	13.83	9.48	7.85	0.884	177.20	3.23	0.0	
	5/18/2009	13:50	13:55	14.02	10.07	8.11	0.940	187.30	5.25	0.0	
	6/24/2009	11:27	11:32	13.53	11.47	7.36	0.789	136.80	3.62	1.0	
	7/29/2009	11:39	11:44	14.71	13.41	9.61	0.759	150.60	5.09	9.1	
	8/27/2009	13:20	13:25	15.20	13.17	8.46	0.808	41.60	4.06	1.1	
	9/15/2009	13:50	13:55	15.73	13.14	9.57	0.757	-61.20	0.55	0.1	
	10/12/2009	11:34	11:39	15.99	13.38	8.92	0.911	33.40	2.06	1.4	
	11/12/2009	13:53	13:58	16.86	13.55	9.51	0.878	14.90	4.29	0.4	
	12/15/2009	13:21	13:26	17.49	12.57	10.31	0.701	105.90	6.08	0.2	
	1/12/2010	11:26	11:31	17.64	11.70	8.09	0.967	143.30	5.53	52.3	
	2/9/2010	11:44	11:49	17.61	11.29	7.49	0.615	97.00	3.12	216.4	
	3/9/2010	11:11	11:16	18.38	11.36	7.60	0.684	83.80	4.98	2.8	
	4/13/2010	12:51	12:56	17.83	12.11	7.61	0.704	-209.10	6.23	56.2	
	5/11/2010	11:26	11:31	18.46	10.88	7.55	0.756	28.40	2.98	3.50	
	6/15/2010	11:50	11:55	18.83	11.60	7.21	7.130	-46.80	52.00	0.8	
	7/13/2010	8:54	8:59	18.97	12.14	7.49	0.690	-27.10	6.89	3.7	
	8/11/2010	10:44	10:49	18.67	13.80	7.50	0.700	4.60	4.04	0.2	
	9/15/2010	10:28	10:33	18.57	13.59	8.75	0.913	56.10	8.07	0.0	
	10/12/2010	11:37	11:42	17.18	14.49	8.56	0.709	-96.60	8.81	0.0	
	11/16/2010	12:09	12:14	17.31	14.69	8.20	0.832	20.50	2.38	0.0	
	12/14/2010	12:18	12:23	16.76	13.48	8.64	0.816	-158.50	1.73	0.0	System Off
	1/17/2011	9:46	9:51	16.84	12.18	7.78	0.885	-22.90	5.92	0.0	
2/16/2011	8:52	8:57	17.81	12.19	7.70	0.861	-73.10	7.43	0.0		
3/16/2011	8:43	8:48	16.54	10.85	7.66	9.890	-128.70	8.41	0.0		
4/14/2011	9:56	10:01	16.47	10.10	7.70	0.981	-326.30	8.42	0.0		
3805-MW41	12/19/2008	NR	NR	NR	NR	NR	NR	194.30	13.07	0.0	
	1/12/2009	9:30	8:50	12.72	10.43	7.18	0.935	164.50	0.78	0.0	
	1/19/2009	11:50	12:00	13.01	9.46	7.66	0.770	24.40	11.93	0.0	
	2/4/2009	9:14	9:40	13.78	10.20	7.05	0.639	113.40	0.77	0.0	
	3/4/2009	13:10	13:44	12.09	9.29	7.15	0.530	59.70	9.71	0.0	
	3/27/2009	11:00	11:30	13.22	8.61	7.29	0.517	16.00	11.40	0.0	
	4/14/2009	10:02	10:57	12.71	8.48	7.41	0.70	188.60	9.23	0.00	
	5/18/2009	12:12	12:17	12.74	8.66	7.58	0.54	182.70	13.34	0.00	Well bubbling
	6/24/2009	10:37	10:42	12.73	10.04	7.03	0.60	125.60	12.89	7.10	
	7/29/2009	11:53	11:58	13.23	11.48	9.09	0.648	136.60	10.27	3.70	
	8/27/2009	11:24	11:29	13.61	12.43	7.00	0.639	90.80	13.12	2.00	
	9/15/2009	11:55	12:00	15.38	12.73	7.32	0.551	-31.30	12.06	0.00	
	10/12/2009	10:22	10:27	16.12	11.80	7.21	0.710	112.20	9.31	0.00	
	11/12/2009	13:10	13:15	16.63	12.03	7.08	0.642	91.30	10.40	0.00	
	12/15/2009	10:45	10:50	16.86	11.09	7.32	0.515	-8.21	11.13	0.0	
	1/12/2010	11:42	11:47	17.21	10.65	7.22	0.819	157.70	9.61	0.00	
	2/9/2010	10:42	10:47	17.36	10.23	7.02	0.614	83.60	9.64	0.00	
	3/9/2010	10:16	10:21	17.21	10.02	6.89	0.655	65.90	9.98	0.00	
	4/13/2010	10:37	10:42	17.34	9.51	7.03	0.655	25.50	11.18	0.00	
	5/11/2010	10:03	10:08	17.48	9.15	6.98	0.601	55.70	4.43	0.40	
	6/15/2010	9:23	9:28	17.74	9.39	6.90	0.564	-9.90	12.44	1.30	
	7/13/2010	7:48	7:53	17.83	9.67	6.96	0.485	51.60	11.62	1.70	
	8/11/2010	13:14	13:19	18.91	13.44	6.95	0.481	73.70	9.41	2.40	
	9/15/2010	9:16	9:21	17.85	11.15	7.12	0.503	61.90	11.40	0.00	
	10/12/2010	10:16	10:21	16.61	12.61	7.21	0.486	11.90	8.94	0.00	
	11/16/2010	11:05	11:10	17.05	12.72	6.92	0.048	105.90	9.09	0.00	
	12/14/2010	10:48	10:53	16.23	11.88	7.19	0.436	-129.50	4.25	0.00	System Off
	1/17/2011	12:03	12:08	16.48	11.14	7.26	0.544	-167.40	10.17	0.00	
2/16/2011	11:20	11:25	17.49	10.88	7.40	0.535	55.70	10.30	0.00		
3/16/2011	7:40	7:45	16.11	9.64	6.87	0.563	-124.60	10.42	0.00		
4/14/2011	11:06	11:11	16.51	9.24	6.85	0.565	-358.00	10.67	0.00		
3805-016	12/19/2008	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	1/12/2009	14:29	14:57	12.81	11.09	6.98	0.408	35.90	8.73	0.0	
	1/19/2009	9:35	9:45	13.05	9.49	9.61	0.362	187.80	11.40	0.0	
	2/4/2009	14:18	14:38	13.61	9.53	6.97	0.252	-7.10	0.88	0.4	
	3/4/2009	15:54	16:24	13.18	10.28	6.96	0.212	23.00	9.04	4.5	
	3/27/2009	14:02	14:35	13.52	9.02	7.23	0.180	-13.40	9.30	0.0	
	4/14/2009	12:23	12:28	13.21	9.27	7.14	0.301	177.90	9.13	1.20	
	5/18/2009	14:01	14:06	13.63	8.69	7.55	0.484	191.40	10.83	0.00	
	6/24/2009	11:14	11:19	13.59	10.34	6.87	0.965	144.00	11.58	3.60	
	7/29/2009	11:27	11:32	14.38	12.06	8.49	0.397	157.70	9.51	1.20	
	8/27/2009	13:30	13:38	15.04	12.88	7.37	0.309	82.90	19.52	1.60	
	9/15/2009	13:59	14:04	15.57	12.96	7.92	0.280	-53.50	9.89	0.90	
	10/12/2009	11:47	11:52	16.23	12.64	7.13	0.502	117.20	6.39	0.60	
	11/11/2009	13:51	13:56	16.64	12.64	6.98	0.504	110.30	7.03	0.70	
	12/15/2009	13:26	13:31	17.05	11.52	7.25	0.452	108.10	4.69	1.6	
	1/12/2010	11:08	11:13	17.23	10.42	7.03	0.600	134.20	3.59	0.00	
	2/9/2010	11:28	11:33	16.96	10.00	7.18	0.393	91.00	2.59	0.20	

**TABLE 3-10  
SUMMARY OF DO/ORP/PID DATA  
AREAS 1995 AND 3805**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
	3/9/2010	10:59	11:04	17.78	9.91	6.81	0.428	93.30	1.62	0.00	
	4/13/2010	11:46	11:51	17.32	9.76	6.76	0.354	28.70	2.39	0.00	
	5/11/2010	11:42	11:47	17.89	9.78	6.74	0.340	49.80	2.47	0.00	
	6/15/2010	11:39	11:44	18.30	10.93	6.50	0.384	-42.30	1.61	0.10	
	7/13/2010	8:40	8:45	18.45	11.45	6.70	0.503	-71.90	2.36	0.00	
	8/11/2010	14:03	14:08	18.45	12.98	6.87	0.328	-79.50	1.81	0.20	
	9/15/2010	10:38	10:43	18.63	12.19	7.71	0.350	46.00	3.90	0.00	
	10/12/2010	11:48	11:53	17.13	14.12	7.29	0.617	-82.40	1.44	0.00	
	11/16/2010	12:53	12:58	16.93	13.38	6.64	0.714	92.70	8.68	0.70	
	12/14/2010	11:52	11:57	16.49	11.38	6.88	0.709	-125.10	2.11	0.60	System Off
	1/17/2011	9:33	9:38	16.58	10.38	6.96	0.731	17.10	6.59	0.00	
	2/16/2011	10:30	10:35	17.41	10.73	7.09	0.680	12.00	3.65	0.00	
	3/16/2011	9:33	9:38	14.61	9.36	6.93	0.573	-124.70	2.77	70.40	
	4/14/2011	9:45	9:50	15.39	9.08	6.75	1.030	-319.90	10.26	0.00	
3805-MWS2	12/19/2008	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	1/12/2009	13:56	14:23	7.33	7.98	7.08	0.445	6.50	11.38	0.4	
	1/19/2009	12:05	12:15	7.53	6.74	7.79	0.418	26.00	12.44	0.0	
	2/4/2009	15:03	15:18	8.14	8.02	7.04	0.318	139.50	0.03	0.4	
	3/4/2009	14:07	14:44	6.91	3.76	7.18	0.421	77.60	13.49	0.0	
	3/27/2009	14:42	15:18	6.65	3.06	7.50	0.189	-25.40	12.69	0.0	
	4/14/2009	12:46	12:51	6.54	5.13	7.58	0.310	175.70	9.98	0.00	
	5/18/2009	14:12	14:17	6.94	8.93	7.76	0.285	161.80	4.70	0.00	
	6/24/2009	10:40	10:54	7.58	12.40	7.20	0.313	152.10	3.68	1.10	
	7/29/2009	11:07	11:12	8.49	16.09	8.29	0.490	216.40	7.10	0.30	
	8/27/2009	11:51	11:56	9.31	15.67	7.08	0.359	24.40	11.06	0.00	
	9/15/2009	14:06	14:11	10.23	10.67	7.67	0.680	-30.90	10.98	0.00	
	10/12/2009	12:58	13:03	10.83	14.83	7.44	0.268	122.30	9.23	0.40	
	11/12/2009	13:22	13:27	11.34	13.09	7.14	0.303	90.80	9.02	0.30	
	12/15/2009	12:56	13:01	11.69	11.03	7.66	0.260	102.70	10.08	0.0	
	1/12/2010	10:30	10:35	12.18	9.65	7.28	0.419	143.30	9.45	0.40	
	2/9/2010	11:00	11:05	11.82	7.59	7.27	0.350	84.30	10.42	0.10	
	3/9/2010	10:32	10:37	12.54	7.94	7.15	0.897	68.30	10.60	0.00	
	4/13/2010	11:11	11:16	12.07	7.92	6.80	2.214	27.00	12.29	0.00	
	5/11/2010	12:45	12:50	12.67	9.44	7.13	0.767	97.10	8.16	0.10	
	6/15/2010	11:16	11:21	13.16	10.73	6.81	0.527	-18.60	11.34	0.40	
	7/13/2010	8:16	8:21	13.19	12.38	7.10	0.546	105.10	11.52	0.10	
	8/11/2010	13:42	13:47	13.45	14.37	7.14	0.420	-8.00	10.79	0.20	
	9/15/2010	10:59	11:04	13.75	12.14	7.34	0.419	58.50	10.12	0.00	
	10/12/2010	12:07	12:12	11.68	15.38	7.25	0.469	-8.10	9.78	0.10	
	11/16/2010	13:05	13:10	12.09	14.03	7.02	0.230	115.80	9.71	0.80	
	12/14/2010	11:20	11:25	11.03	11.04	7.13	0.318	-139.20	3.51	0.00	System Off
	1/17/2011	9:06	9:11	11.74	8.93	7.18	0.333	24.90	10.46	0.00	
	2/16/2011	11:06	11:11	12.61	9.90	7.14	0.969	56.20	7.41	0.00	
	3/16/2011	10:06	10:11	9.21	5.53	7.45	0.329	-121.60	12.41	0.00	
	4/14/2011	12:30	12:35	9.76	4.28	7.39	0.251	-339.60	11.80	0.00	
3805-MWS3	12/19/2008	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	1/12/2009	13:55	14:19	14.28	9.22	7.18	0.144	31.60	0.86	0.0	
	1/19/2009	13:36	13:46	14.55	8.28	8.26	0.149	22.50	12.81	0.0	
	2/4/2009	14:39	15:05	15.29	7.49	7.08	0.145	27.40	1.01	0.1	
	3/4/2009	16:08	16:35	14.72	7.88	6.98	0.081	76.50	10.18	0.0	
	3/27/2009	14:32	15:02	15.02	8.02	7.02	0.125	71.40	7.91	0.0	
	4/14/2009	12:35	12:40	14.81	7.69	6.89	0.123	178.40	11.31	0.0	
	5/18/2009	14:23	14:28	15.38	8.20	7.64	0.104	155.20	11.93	0.0	
	6/24/2009	11:00	11:05	15.31	9.98	7.05	0.093	136.90	13.21	1.0	
	7/29/2009	11:16	11:21	16.11	11.75	8.81	0.116	176.00	10.76	0.5	
	8/27/2009	13:46	13:51	16.75	11.16	7.39	0.494	96.10	10.74	0.0	
	9/15/2009	14:15	14:20	10.14	15.35	7.41	0.276	-27.70	9.36	0.0	
	10/12/2009	13:10	13:15	17.84	10.93	7.27	1.786	138.50	9.63	0.0	
	11/12/2009	13:37	13:42	18.19	11.79	7.02	2.287	106.30	12.87	0.2	
	12/15/2009	13:11	13:16	18.48	10.40	7.16	2.528	150.90	11.63	0.0	
	1/12/2010	10:50	10:55	18.57	9.52	7.03	3.196	164.40	9.53	0.0	
	2/9/2010	11:13	11:18	17.21	9.28	7.22	1.186	111.20	9.22	0.0	
	3/9/2010	10:46	10:51	18.94	9.34	7.17	0.754	79.20	9.70	0.0	
	4/13/2010	11:33	11:38	18.46	9.33	7.09	0.884	-25.10	10.62	0.1	
	5/11/2010	13:00	13:05	19.06	8.75	7.15	0.600	94.90	9.88	0.00	
	6/15/2010	11:28	11:33	19.54	9.70	6.63	0.674	-7.80	12.09	0.3	
	7/13/2010	8:27	8:32	19.82	10.31	6.75	0.997	131.80	12.01	0.0	
	8/11/2010	13:52	13:57	19.88	11.36	6.95	0.625	45.90	10.61	0.1	
	9/15/2010	10:47	10:52	20.01	11.15	7.26	0.617	57.60	10.75	0.0	
	10/12/2010	11:58	12:03	18.71	12.01	7.11	0.573	-19.20	7.37	0.0	
	11/16/2010	13:45	13:50	18.04	11.96	6.74	0.513	63.10	8.02	0.9	
	12/14/2010	11:36	11:41	17.86	11.23	6.84	0.658	-129.90	1.75	0.0	System Off
	1/17/2011	9:18	9:23	17.76	9.42	7.39	0.188	-4.00	10.94	0.0	
	2/16/2011	10:46	10:51	18.54	9.93	6.72	3.999	65.30	8.68	0.0	
	3/16/2011	9:52	9:57	10.93	8.24	7.10	0.429	-120.40	11.73	0.1	
	4/14/2011	12:38	12:43	16.54	8.07	6.93	1.001	-332.10	9.83	0.0	

**TABLE 3-10  
SUMMARY OF DO/ORP/PID DATA  
AREAS 1995 AND 3805**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes	
<b>System C</b>												
OSL-MW3	12/18/2008	NR	NR	NR	NR	NR	NR	177.60	15.82	0.0		
	1/12/2009	9:15	10:00	19.96	11.26	6.92	0.338	149.10	0.66	0.4		
	1/19/2009	11:30	11:45	19.14	11.06	7.33	1.036	25.70	10.76	0.3	Well bubbling	
	2/4/2009	10:25	10:43	20.63	10.43	7.08	0.382	100.30	0.43	6.4		
	3/4/2009	10:48	11:26	20.52	10.20	6.73	0.231	96.60	5.29	0.0		
	3/26/2009	14:40	15:01	20.21	10.19	6.96	0.442	118.20	6.29	13.3	Well bubbling	
	4/14/2009	8:37	8:42	20.76	8.96	7.34	1.030	144.10	10.61	0.0		
	5/18/2009	11:15	11:20	21.31	9.61	7.28	1.093	195.70	8.76	0.0		
	6/24/2009	8:27	8:32	20.74	10.04	6.70	3.362	72.90	1.68	2.6		
	7/29/2009	12:44	12:49	21.32	11.70	8.96	0.538	-42.90	0.53	0.1		
	8/27/2009	10:14	10:20	21.75	11.36	7.52	0.324	-82.20	0.32	15.7		
	9/15/2009	10:43	10:48	22.03	11.32	6.89	0.250	-6.10	4.09	24.9		
	10/12/2009	9:48	9:53	21.78	10.57	6.85	0.844	20.20	6.86	163.7		
	11/12/2009	9:17	9:22	22.74	10.72	6.75	0.187	-51.10	4.30	5.4		
	12/15/2009	9:30	9:35	22.94	10.66	6.97	0.228	-18.90	1.25	11.3		
	1/12/2010	14:35	14:40	23.06	9.77	6.83	0.935	-26.80	1.55	35.8		
	2/9/2010	9:36	9:41	22.86	9.88	6.85	0.703	139.60	2.33	5.9		
	3/9/2010	7:36	7:41	23.16	10.61	6.68	0.456	167.10	5.45	3.7		
	4/13/2010	8:22	8:27	23.11	9.80	6.79	0.453	36.70	7.21	0.6		
	5/11/2010	7:44	7:49	23.64	9.87	6.20	0.601	82.10	2.24	10.60		
	6/15/2010	7:53	7:58	24.02	10.84	6.15	1.791	-19.80	3.95	1.4		
	7/13/2010	7:08	7:13	24.26	10.67	6.54	1.521	-62.10	12.31	0.2		
	8/11/2010	9:56	10:01	24.26	12.03	6.39	0.599	24.20	4.21	0.2		
	9/15/2010	8:14	8:19	24.18	11.04	6.60	0.797	92.70	1.98	0.0		
	10/12/2010	9:16	9:21	23.23	11.57	6.68	0.823	74.70	2.56	0.7		
	11/16/2010	11:33	11:38	22.93	12.40	7.22	0.262	-49.10	2.33	0.0		
	12/14/2010	9:22	9:27	22.32	11.16	6.74	0.992	-121.10	0.40	0.0	System off	
	1/17/2011	8:26	8:31	22.30	10.60	7.09	0.584	97.00	8.02	2.8		
	2/16/2011	8:14	8:19	22.94	11.30	7.01	1.107	104.20	6.27	8.4		
	3/16/2011	8:05	8:10	21.73	10.10	7.22	0.527	-130.00	10.97	0.0		
	4/14/2011	9:08	9:13	21.76	9.83	7.00	0.338	-329.40	9.18	0.4		
	3805-MWS8	12/18/2008	NR	NR	NR	NR	NR	NR	-41.20	2.51	0.0	
		1/12/2009	10:23	10:46	22.80	10.58	7.09	0.446	85.30	8.96	0.0	
		1/19/2009	9:15	9:30	23.15	8.65	7.46	0.003	179.40	12.20	0.0	
		2/4/2009	10:30	10:47	23.80	9.76	6.77	0.244	146.10	0.04	0.0	
		3/4/2009	10:54	11:36	23.35	10.45	6.86	0.331	41.50	6.32	0.0	
3/26/2009		15:13	15:30	23.48	9.52	7.17	0.228	143.20	8.29	0.0		
4/14/2009		9:40	9:45	23.62	8.83	7.68	0.393	70.90	8.74	0.0		
5/18/2009		11:04	11:09	24.14	9.16	7.42	0.194	208.50	11.38	0.0		
6/24/2009		7:52	7:57	24.13	9.93	6.36	2.212	35.60	0.78	4.7		
7/29/2009		13:13	13:18	24.81	10.46	7.75	1.189	43.90	1.23	0.0		
8/28/2009		10:41	10:46	25.38	9.39	6.45	3.460	-34.40	1.02	0.0		
9/15/2009		11:16	11:21	25.76	9.68	6.75	0.793	-39.40	11.26	0.0		
10/12/2009		9:29	9:34	26.21	9.43	6.54	1.505	24.80	1.72	0.0		
11/12/2009		9:53	9:58	26.58	10.02	6.63	0.521	-32.00	2.59	0.3		
12/15/2009		9:56	10:01	26.31	10.24	6.99	0.954	-66.40	1.29	0.0		
1/12/2010		14:54	14:59	26.85	10.09	6.69	1.027	-47.80	1.62	0.7		
2/9/2010		10:06	10:11	26.52	9.95	6.80	0.530	78.90	1.59	0.0		
3/9/2010		8:00	8:05	27.12	9.83	6.75	0.520	-57.50	1.25	0.0		
4/13/2010		8:47	8:52	26.67	10.18	6.70	0.560	-0.10	1.44	0.0		
5/11/2010		8:08	8:13	27.21	9.41	6.77	0.609	-48.50	0.74	0.00		
6/15/2010		8:38	8:43	27.69	9.91	6.42	1.126	-52.00	1.03	0.0		
7/13/2010		7:35	7:40	27.97	10.11	6.70	1.468	-77.00	11.83	0.0		
8/11/2010		10:22	10:27	28.17	10.13	6.53	1.892	-84.00	2.32	0.0		
9/15/2010		8:42	8:47	28.21	9.71	6.53	2.063	65.10	1.58	0.0		
10/12/2010		9:41	9:46	27.28	10.61	6.77	1.162	-59.50	1.93	0.0		
11/16/2010		11:51	11:56	26.61	11.17	6.73	0.539	-45.80	2.37	0.0		
12/14/2010		10:03	10:08	26.29	10.69	6.70	0.715	-151.90	0.11	0.0	System off	
1/17/2011		8:51	8:56	25.92	10.13	7.07	0.491	-55.80	5.28	0.0		
2/16/2011		8:39	8:44	26.48	10.99	6.85	1.016	-125.50	1.06	0.0		
3/16/2011		8:27	8:32	25.21	10.25	6.91	0.489	-127.50	1.04	0.1		
4/14/2011		9:31	9:36	24.81	10.29	6.74	0.680	-320.70	6.55	0.0		
3805-MWS11		12/18/2008	NR	NR	NR	NR	NR	NR	201.70	11.78	0.0	
		1/12/2009	10:10	10:38	26.90	11.61	6.63	1.603	-58.80	0.17	0.0	
		1/19/2009	8:50	9:10	27.00	10.08	6.92	0.002	201.10	7.30	0.0	
		2/4/2009	10:50	11:12	27.39	11.44	6.48	1.373	-34.50	0.34	16.2	
		3/4/2009	11:34	12:14	27.15	12.56	6.72	0.772	-17.70	1.12	0.0	
	3/26/2009	14:58	15:27	27.34	8.48	6.86	0.006	-6.20	10.41	0.0		
	4/13/2009	9:28	9:33	27.46	11.47	6.95	1.860	-111.00	2.95	0.0		
	5/18/2009	10:25	10:30	27.66	12.65	6.69	1.130	-15.60	3.89	0.0		
	6/24/2009	8:07	8:12	27.72	12.32	6.73	1.079	-120.80	0.83	36.3		
	7/29/2009	13:02	13:07	28.30	13.27	7.94	1.326	-89.80	1.27	130.2		
	8/27/2009	10:29	10:34	28.35	11.81	6.50	1.697	-114.20	0.36	207.1		
	9/15/2009	10:55	11:00	28.59	11.88	6.43	1.674	-78.10	9.41	0.1		
	10/12/2009	9:05	9:10	28.93	11.25	6.58	1.425	-95.90	0.51	11.5		
	11/12/2009	9:32	9:37	29.12	10.95	6.82	1.441	-111.50	13.40	48.9		
	12/15/2009	9:40	9:45	29.23	11.18	7.16	0.728	-77.60	1.05	0.0		
1/12/2010	14:47	14:52	29.28	10.93	7.09	0.687	-62.60	0.99	1.1			
2/9/2010	9:54	9:59	29.07	11.01	6.98	0.434	100.40	1.30	0.6			



**TABLE 3-10  
SUMMARY OF DO/ORP/PID DATA  
AREAS 1995 AND 3805**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
	3/9/2010	7:47	7:52	29.39	11.00	6.77	0.305	-84.30	1.08	0.0	
	4/13/2010	8:34	8:39	29.18	11.34	6.82	0.337	-4.10	0.98	0.0	
	5/11/2010	7:56	8:01	29.46	10.86	6.68	0.278	-46.50	0.89	0.20	
	6/15/2010	8:25	8:30	29.77	11.64	6.48	0.293	-43.70	1.01	0.2	
	7/13/2010	7:23	7:28	29.99	11.27	6.77	0.432	-112.20	1.76	0.4	
	8/11/2010	10:09	10:14	30.12	11.02	6.79	0.366	-122.00	0.68	0.4	
	9/15/2010	8:30	8:35	30.14	10.39	6.55	0.359	63.40	1.34	0.0	
	10/12/2010	9:30	9:35	29.62	10.88	6.63	0.379	-78.00	1.00	0.0	
	11/16/2010	13:31	13:36	29.18	11.14	6.55	0.396	-82.60	0.82	0.6	
	12/14/2010	9:45	9:50	28.91	10.47	6.75	0.444	-147.20	0.04	0.0	System off
	1/17/2011	8:40	8:45	28.64	11.16	6.62	0.697	-135.20	0.78	0.1	
	2/16/2011	8:29	8:34	28.97	11.46	6.81	0.729	-115.70	1.29	17.7	
	3/16/2011	8:17	8:22	28.29	11.18	6.66	0.991	-127.70	0.89	0.5	
	4/14/2011	9:20	9:25	28.09	10.87	6.71	0.841	-365.70	1.55	0.0	
<b>System D</b>											
1995-MW44	12/19/2008	NR	NR	NR	NR	NR	NR	167.3	12.45	0.0	
	12/31/2008	NR	NR	NR	NR	NR	NR	146.6	42.00	0.0	
	1/12/2009	8:00	8:15	23.56	11.50	7.25	0.285	146.1	8.00	0.0	
	1/19/2009	8:08	8:35	23.45	11.66	7.53	0.239	162.3	11.67	0.0	
	2/4/2009	9:30	9:45	24.00	11.53	6.74	0.256	141.2	0.06	0.0	
	3/4/2009	13:18	13:40	23.62	11.62	6.98	0.241	74.2	10.69	0.0	
	3/27/2009	10:50	11:23	23.95	11.21	7.33	0.306	166.9	9.11	0.0	
	4/14/2009	10:19	10:24	24.17	9.98	7.32	0.003	204.50	9.49	0.00	
	5/18/2009	11:53	11:58	24.03	10.56	7.38	0.295	153.40	12.17	0.00	
	6/24/2009	9:04	9:09	23.44	10.40	6.97	0.309	150.10	12.71	0.00	
	7/29/2009	13:30	13:35	24.19	10.68	8.62	0.265	69.80	10.87	0.00	
	8/27/2009	11:06	11:11	24.76	10.84	6.85	0.292	76.80	12.04	0.00	
	9/15/2009	11:36	11:41	25.14	11.08	7.08	0.339	-18.30	12.67	0.00	
	10/12/2009	10:05	10:10	25.54	10.97	7.02	1.043	108.60	9.88	0.00	
	11/12/2009	10:08	10:13	26.02	11.26	7.00	0.432	9.20	10.95	0.00	
	12/15/2009	10:25	10:30	26.34	10.54	7.43	0.375	-39.80	11.93	0.0	
	1/12/2010	14:11	14:16	26.69	10.40	7.11	0.629	-18.40	10.58	0.00	
	2/9/2010	10:30	10:35	26.64	10.51	7.01	0.738	81.60	10.10	0.00	
	3/9/2010	10:00	10:05	27.26	10.62	6.96	0.308	47.20	10.34	0.00	
	4/13/2010	10:20	10:25	27.06	10.57	7.08	0.363	2.10	10.78	0.00	
	5/11/2010	9:45	9:50	27.31	10.30	7.02	0.336	39.90	11.03	0.00	
	6/15/2010	9:07	9:12	27.64	10.31	6.79	0.268	0.40	12.31	0.10	
	7/13/2010	8:00	8:05	27.78	10.30	6.96	0.455	92.20	11.92	0.00	
	8/11/2010	13:00	13:05	27.88	10.60	7.02	1.260	65.70	12.87	0.00	
	9/15/2010	9:03	9:08	27.94	10.33	6.92	0.997	66.50	10.61	0.00	
	10/12/2010	10:06	10:11	26.11	11.28	6.78	3.111	15.50	8.84	0.00	
	11/16/2010	11:19	11:24	26.42	11.78	7.24	0.391	93.70	12.83	0.00	
	12/14/2010	10:34	10:39	26.02	11.14	7.22	0.521	-110.20	4.19	0.00	System off
	1/17/2011	11:50	11:55	26.24	10.95	7.53	0.649	-181.40	10.13	0.00	
	2/16/2011	11:35	11:40	26.86	11.19	7.71	0.368	62.90	10.63	0.00	
	3/16/2011	7:52	7:57	25.33	10.48	6.90	2.041	-127.40	10.70	0.00	
	4/14/2011	12:20	12:25	25.13	10.49	7.01	0.563	-307.20	9.90	0.00	DO membrane replaced and recalibrated.
1995-MWS1	12/19/2008	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	12/31/2008	NR	NR	NR	NR	NR	NR	117.7	10.66	0.0	
	1/12/2009	12:47	13:09	18.10	10.28	7.20	0.186	117.8	11.26	1.1	
	1/19/2009	10:15	10:30	18.35	9.30	7.79	0.269	187.7	13.33	1.8	
	2/4/2009	13:18	13:37	18.89	10.46	7.00	1.084	168.7	0.02	0.0	
	3/4/2009	14:53	15:26	18.73	9.41	7.84	0.090	6.6	10.57	0.0	
	3/27/2009	12:30	13:16	19.00	8.63	7.61	0.553	145.7	10.19	0.0	
	4/14/2009	11:29	11:34	19.07	8.24	7.41	0.813	159.6	9.54	0.0	
	5/18/2009	13:38	13:43	19.09	13.10	6.44	0.002	252.0	11.31	0.0	
	6/24/2009	9:51	9:56	18.48	10.07	7.41	0.808	87.6	12.64	0.9	
	7/29/2009	14:05	14:10	19.31	11.30	8.79	0.424	61.9	10.53	0.9	
	8/27/2009	13:08	13:14	19.81	11.54	6.56	0.787	88.7	12.91	1.4	
	9/15/2009	13:36	13:41	20.19	11.51	6.68	0.515	-12.6	10.60	0.6	
	10/12/2009	11:21	11:26	20.84	11.41	6.77	1.046	109.10	9.56	0.4	
	11/12/2009	11:32	11:37	20.21	11.78	7.02	1.224	72.1	12.63	0.0	
	12/15/2009	11:47	11:52	21.59	11.05	7.44	0.685	75.00	10.78	7.4	
	1/12/2010	13:29	13:34	23.79	10.25	7.13	1.026	40.1	9.41	4.1	
	2/9/2010	13:02	13:07	21.73	9.64	8.03	0.407	99.7	9.84	2.4	
	3/9/2010	11:26	11:31	22.34	10.51	7.47	0.372	96.8	9.70	3.5	
	4/13/2010	13:24	13:29	22.16	10.12	7.56	0.240	77.5	12.61	1.9	
	5/11/2010	11:10	11:15	22.24	10.03	7.31	0.661	27.20	10.80	2.60	
	6/15/2010	13:16	13:21	22.96	10.65	6.75	1.834	-2.4	12.42	2.3	
	7/13/2010	9:28	9:33	23.21	9.73	7.03	2.631	132.0	11.63	2.4	
	8/11/2010	11:14	11:19	23.05	11.33	7.24	1.550	79.2	10.21	0.5	
	9/15/2010	10:15	10:20	22.96	10.79	7.34	1.109	41.7	10.92	0.0	
	10/12/2010	10:48	10:53	21.60	12.61	6.89	0.253	-3.3	9.71	0.3	
	11/16/2010	12:36	12:41	21.51	12.89	7.31	0.149	75.1	10.16	0.0	
	12/14/2010	13:36	13:41	21.14	11.83	7.14	0.158	-129.8	8.01	0.2	System off
	1/17/2011	10:00	10:05	21.17	11.24	7.72	0.181	26.4	10.08	0.0	
	2/16/2011	9:57	10:02	21.94	11.39	7.65	1.091	-9.8	10.52	0.0	
	3/16/2011	9:11	9:16	20.61	9.94	7.25	0.234	-126.5	11.32	0.1	
	4/14/2011	10:24	10:29	20.63	10.06	7.39	0.429	-330.2	11.72	0.0	

**TABLE 3-10  
SUMMARY OF DO/ORP/PID DATA  
AREAS 1995 AND 3805**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
1995-MWS10	12/19/2008	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	12/31/2008	NR	NR	NR	NR	NR	NR	121.7	5.22	0.0	
	1/12/2009	13:14	13:46	20.55	11.71	6.79	0.380	-84.1	0.41	0.0	
	1/19/2009	10:35	10:50	20.60	11.53	7.29	-0.311	-67.7	0.67	0.0	
	2/4/2009	13:38	13:52	21.21	10.88	6.73	0.312	-41.1	0.21	102.6	
	3/4/2009	15:21	15:48	19.97	9.73	7.16	0.002	-1.7	11.51	50.9	
	3/27/2009	13:24	13:49	21.17	10.49	7.03	0.262	-143.7	0.21	1.9	
	4/14/2009	11:06	11:11	21.31	10.14	6.98	0.292	-122.2	0.92	63.4	
	5/18/2009	13:00	13:05	22.08	10.16	7.41	0.311	13.6	14.41	27.7	
	6/24/2009	9:25	9:30	20.89	10.84	5.86	0.002	228.9	10.98	40.5	
	7/29/2009	14:28	14:33	21.63	10.51	8.18	0.314	-72.4	1.69	21.4	
	8/27/2009	12:45	12:50	22.11	10.42	6.49	0.284	-53.4	1.79	34.3	
	9/15/2009	13:12	13:17	22.49	11.16	6.26	0.152	-15.1	12.83	80.1	
	10/12/2009	10:58	11:03	27.18	11.43	7.57	1.868	7.1	11.04	37.8	
	11/12/2009	10:42	10:47	22.98	12.61	8.27	0.756	-17.2	11.61	7.8	
	12/15/2009	11:25	11:30	23.76	10.47	7.94	1.264	94.00	4.25	24.2	
	1/12/2010	13:02	13:07	23.49	11.50	6.96	0.440	-17.0	1.37	161.3	
	2/9/2010	13:26	13:31	23.57	12.78	8.19	0.777	101.2	11.08	9.6	
	3/9/2010	11:47	11:52	23.96	11.15	7.55	1.805	125.0	11.23	53.6	Heavy deep gurgling
	4/13/2010	13:06	13:11	23.82	11.72	7.50	2.340	66.1	11.27	4.2	Heavy deep gurgling
	5/11/2010	10:38	10:43	24.11	11.56	7.42	2.600	-12.60	10.14	38.70	
	6/15/2010	12:46	12:51	24.38	11.57	7.52	2.021	-0.4	12.03	39.1	Heavy deep gurgling
	7/13/2010	9:07	9:12	26.82	11.34	7.76	1.187	56.9	10.54	11.4	
	8/11/2010	11:35	11:40	24.72	12.68	8.38	0.910	52.6	14.83	5.1	Heavy deep gurgling
	9/15/2010	9:53	9:58	24.60	12.97	8.49	0.951	71.3	12.50	10.3	Heavy deep gurgling
	10/12/2010	11:16	11:21	23.62	11.43	7.30	2.217	-12.1	2.55	13.8	Heavy deep gurgling
	11/16/2010	12:19	12:24	23.68	14.26	7.07	0.230	5.7	1.06	7.9	
	12/14/2010	14:07	14:12	23.38	13.43	6.57	0.172	-172.8	0.81	3.5	System off
	1/17/2011	10:27	10:32	22.39	11.46	7.30	2.037	-275.1	0.30	5.8	Heavy deep gurgling
	2/16/2011	9:30	9:35	23.23	12.67	7.50	1.623	-85.0	8.73	0.4	Heavy deep gurgling
3/16/2011	8:54	8:59	22.21	12.44	8.17	1.785	-130.2	11.82	2.3	Heavy deep gurgling	
4/14/2011	10:10	10:15	22.48	17.35	6.97	1.156	-321.2	8.33	25.5		
1995-MWS6	12/19/2008	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	12/31/2008	NR	NR	NR	NR	NR	NR	110.1	6.10	0.0	
	1/12/2009	12:52	13:20	21.35	10.96	7.10	1.062	-3.5	0.39	0.0	
	1/19/2009	9:55	10:10	21.30	9.52	7.74	0.465	195.7	10.77	0.0	
	2/4/2009	13:10	13:33	21.80	10.57	6.98	0.677	23.6	0.24	0.0	
	3/4/2009	14:50	15:16	21.47	10.56	6.63	1.507	89.6	1.26	0.0	
	3/27/2009	12:24	13:10	21.68	10.37	6.73	1.642	-30.1	1.62	0.0	
	4/14/2009	11:18	11:23	21.84	10.24	7.27	0.644	73.40	4.16	0.00	
	5/18/2009	13:12	13:17	21.94	9.98	7.68	0.299	151.70	12.21	0.00	
	6/24/2009	9:37	9:42	21.46	10.68	7.03	0.551	148.50	8.81	0.10	
	7/29/2009	14:15	14:20	22.14	10.38	8.40	0.674	69.70	7.47	0.10	
	8/27/2009	12:56	13:02	22.65	11.08	6.81	1.240	0.60	8.06	0.00	
	9/15/2009	13:22	13:27	23.02	11.35	7.17	0.574	-35.60	7.80	0.10	
	10/12/2009	11:11	11:16	23.53	10.77	7.53	0.325	73.80	9.62	0.00	
	11/12/2009	11:05	11:10	23.86	10.71	7.32	0.313	50.00	9.69	0.00	
	12/15/2009	11:36	11:41	24.33	10.41	7.94	0.261	59.70	10.58	0.0	
	1/12/2010	13:16	13:21	24.47	10.41	7.15	0.562	18.00	8.80	0.40	
	2/9/2010	13:15	13:20	24.26	10.60	7.19	0.942	106.10	7.54	0.00	
	3/9/2010	11:37	11:42	24.76	10.55	6.71	1.321	136.90	6.34	0.00	
	4/13/2010	13:17	13:19	24.63	10.60	7.20	0.463	63.40	11.04	0.00	
	5/11/2010	10:54	10:59	25.00	10.31	7.20	0.441	-1.60	10.01	0.00	
	6/15/2010	13:02	13:07	25.46	10.43	6.93	0.737	-5.70	8.32	0.10	
	7/13/2010	9:16	9:21	25.74	10.72	7.00	0.847	102.60	10.74	0.00	
	8/11/2010	11:25	11:30	25.67	11.17	6.87	1.120	87.70	9.35	0.00	
	9/15/2010	10:05	10:10	25.60	10.52	7.44	1.665	52.60	9.25	0.00	
	10/12/2010	11:25	11:30	24.54	11.60	7.08	1.237	21.90	3.44	0.00	
	11/16/2010	12:27	12:32	24.26	12.18	7.15	1.692	50.10	2.90	0.00	
	12/14/2010	13:53	13:58	23.96	11.17	7.12	1.504	-174.90	0.25	0.30	System off
	1/17/2011	10:12	10:17	23.77	11.13	6.91	2.070	4.10	2.03	0.00	
	2/16/2011	9:43	9:48	24.37	11.13	7.64	0.489	-42.80	4.97	0.10	
3/16/2011	9:03	9:08	23.17	10.68	7.35	0.785	-124.30	8.57	0.60		
4/14/2011	10:17	10:22	22.88	10.66	6.83	1.520	-329.50	6.48	0.00		
1995-MWS9	12/19/2008	NR	NR	NR	NR	NR	NR	194.0	12.95	0.0	
	12/31/2008	NR	NR	NR	NR	NR	NR	108.7	35.90	0.0	
	1/12/2009	11:15	11:32	20.50	11.51	6.15	1.995	6.1	0.06	0.4	
	1/19/2009	11:10	11:25	20.14	10.74	6.65	1.176	14.0	2.95	0.2	
	2/4/2009	11:23	11:54	29.50	11.56	6.05	3.711	29.5	0.97	0.0	
	3/4/2009	14:00	14:31	20.61	10.85	6.69	2.959	-19.8	1.25	0.0	
	3/27/2009	11:45	12:09	20.88	10.25	6.79	3.889	-94.3	3.52	0.0	
	4/14/2009	10:00	10:05	21.02	9.62	7.27	4.789	-61.30	2.20	2.60	
	5/18/2009	11:34	11:39	21.08	9.17	6.75	6.215	-54.80	1.80	2.20	
	6/24/2009	8:45	8:50	20.48	9.32	6.46	1.789	124.00	1.25	9.10	
	7/29/2009	13:50	13:55	21.21	9.75	8.00	3.491	-86.90	1.34	4.10	
	8/27/2009	11:38	11:43	21.72	10.40	6.63	2.699	-96.70	1.50	4.60	
	9/15/2009	12:56	13:01	22.09	11.10	6.61	2.689	-56.60	2.05	7.10	
10/12/2009	10:38	10:43	22.58	10.43	6.56	2.679	-84.90	0.58	0.90		
11/12/2009	10:22	NR	NR	NR	NR	NR	NR	NR	NR	DTP=22.98 DTW=23.00; LNAPL confirmed and removed with bailer	

**TABLE 3-10  
SUMMARY OF DO/ORP/PID DATA  
AREAS 1995 AND 3805**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
	12/15/2009	11:43	11:45	23.30	NR	NR	NR	NR	NR	NR	DTP=23.29 DTW=23.30; LNAPL confirmed and removed with bailer
	1/12/2010	13:47	13:52	23.59	10.85	6.87	2.293	-64.80	1.61	106.30	
	2/9/2010	13:47	13:52	23.51	10.99	7.07	0.979	86.60	1.37	358.40	
	3/9/2010	12:03	12:08	24.08	11.14	6.71	2.039	-67.40	1.28	238.40	
	4/13/2010	10:56	11:01	23.97	10.81	6.53	1.815	-19.70	1.00	159.60	
	5/11/2010	10:21	10:26	24.27	10.17	6.43	3.161	-46.90	0.21	102.00	
	6/15/2010	11:05	11:10	24.66	10.60	6.30	4.814	-41.90	0.84	124.90	
	7/13/2010	9:42	9:47	24.84	10.50	6.47	3.890	-60.80	10.25	174.30	
	8/11/2010	13:30	13:35	24.81	10.28	6.63	4.530	88.90	1.32	99.30	
	9/15/2010	11:10	11:15	24.87	10.50	6.80	3.448	54.20	1.68	41.40	
	10/12/2010	10:31	10:36	23.24	10.69	6.63	1.986	-62.30	0.35	110.80	
	11/16/2010	13:16	13:21	23.33	12.28	6.63	1.067	-108.30	6.76	10.80	
	12/14/2010	14:20	14:25	22.98	11.72	6.63	1.226	-212.50	0.01	9.40	System off
	1/17/2011	12:19	12:24	23.06	11.41	6.77	0.940	-221.30	1.25	22.70	
	2/16/2011	9:10	9:15	23.74	11.30	6.65	2.564	-101.80	1.47	9.80	
	3/16/2011	9:23	9:28	22.24	11.09	6.58	2.789	-131.80	1.05	6.70	
	4/14/2011	10:33	10:38	22.18	10.57	6.28	3.808	-369.30	0.92	9.10	

**Notes:**

NR = Not Recorded  
DTW = Depth to Water (feet)  
Temp = Temperature (degrees Fahrenheit)  
ORP = Oxidation Reduction Potential  
mV = Millivolts  
DO = Dissolved Oxygen (milligrams per liter)  
PID = Photoionization Detector  
ppm = Parts Per Million

**TABLE 3-11  
SUMMARY OF ESTIMATED CONTAMINANT REMOVAL  
AAFES STATION**

<b>Monitoring Date</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (lb)</b>	<b>Soil Vapor Contaminant Recovery as Gasoline Equivalent (gal)</b>	<b>LNAPL Recovery (gal)</b>
<b>February</b>	0.00	0.00	0
<b>March</b>	0.00	0.00	0
<b>April</b>	0.74	0.12	0
<b>Quarter Total</b>	0.74	0.12	0
<b>Total to Date<sup>(a)</sup></b>	15,070.94	2,399.83	0

<sup>(a)</sup> = Total includes contaminant removed during operation of the dual-phase extraction system only. An additional 1,426 gallons of gasoline equivalent was removed during operation of the pump and treat system (March 1996-December 2001).

Note: The system was deactivated on September 24, 2010, as the Ozone injection system is now running the site.

**TABLE 3-12  
CUMULATIVE VOLUME OF TREATED GROUNDWATER  
AAFES STATION**

<b>Description</b>	<b>February</b>	<b>March</b>	<b>April</b>	<b>Total/Average</b>
<b>Gallons</b>	0	0	0	0
<b>Hours Operated</b>	0	0	448	448
<b>Days Operated</b>	0	0	19	19
<b>Average (gal/min)</b>	NA	NA	0.00	0.00

Note: The system was deactivated on September 24, 2010. The Ozone injection system is now running the site.  
The system was reactivated on April 4, 2011, while the ozone system undergoes repairs.

**TABLE 3-13  
SUMMARY OF DO/ORP/PID DATA  
AAFES STATION (BUILDING P-2140)**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
2140-MW01	12/16/2008	NR	NR	NR	NR	NR	NR	275.20	10.23	0.00	
	1/12/2009	17:09	17:31	20.67	11.71	6.90	0.164	66.60	10.98	0.00	
	1/19/2009	14:40	14:50	21.34	11.36	7.22	0.389	63.17	11.08	0.00	
	2/2/2009	14:57	15:17	21.42	12.00	6.82	0.211	128.70	0.38	0.70	Detectable fumes present before opening well
	3/5/2009	8:35	9:02	21.61	11.53	7.02	0.613	134.90	9.02	0.00	
	3/26/2009	11:07	11:20	21.71	10.20	7.32	0.452	25.60	10.75	0.00	
	4/13/2009	13:25	13:30	21.74	10.82	6.51	2.229	227.90	11.37	0.00	
	5/19/2009	13:04	13:09	21.66	10.00	6.29	7.754	220.80	12.80	0.00	
	6/24/2009	14:54	14:59	21.98	11.42	6.33	4.081	115.90	13.11	0.00	
	7/29/2009	15:30	15:35	22.36	11.00	7.89	3.080	93.60	10.97	0.00	
	8/27/2009	9:52	9:57	22.90	10.77	6.45	8.377	195.30	12.04	0.00	
	9/15/2009	15:32	15:37	23.34	11.19	6.63	6.470	10.10	10.67	0.00	
	10/12/2009	14:48	14:53	23.62	11.09	6.41	8.926	79.30	9.10	0.00	
	11/11/2009	10:57	11:02	24.02	11.51	6.32	6.367	82.00	10.91	0.00	
	12/14/2009	15:12	15:17	24.48	11.55	6.61	6.159	-14.50	9.16	0.70	
	1/14/2010	13:13	13:18	24.79	10.90	6.78	7.041	-13.80	7.20	2.20	
	2/8/2010	10:26	10:31	24.48	10.59	6.44	4.104	11.90	14.16	0.00	
	3/8/2010	11:46	11:51	24.72	11.11	6.66	2.523	18.20	9.84	0.00	
	4/12/2010	11:12	11:17	24.03	11.09	6.65	2.088	23.80	12.51	0.00	
	5/10/2010	11:10	11:15	24.18	10.26	6.65	2.480	13.80	10.19	0.00	
	6/14/2010	11:20	11:25	24.57	11.04	6.53	3.353	38.80	11.51	0.00	
	7/13/2010	11:18	11:23	24.42	10.55	6.58	3.545	158.40	13.29	0.00	
	8/10/2010	9:46	9:51	24.39	11.50	7.34	1.690	150.20	10.40	0.00	
	9/14/2010	14:02	14:07	24.37	11.47	7.22	1.968	32.60	10.52	0.00	
	10/11/2010	10:55	11:00	23.28	13.29	6.73	0.329	140.90	10.32	0.00	AS/SVE turned off Ozone on
	11/15/2010	10:40	10:45	24.58	12.48	7.32	0.901	131.60	9.74	0.00	
	12/13/2010	13:04	13:09	23.24	12.46	7.40	0.667	-114.00	1.35	0.00	
	1/17/2011	13:24	13:29	23.54	11.99	7.68	0.535	-121.20	10.36	0.00	
	2/15/2011	8:00	8:05	24.26	12.36	6.99	1.651	137.30	9.78	0.00	
	3/16/2011	13:32	13:37	22.78	11.60	7.10	1.151	-150.00	10.51	0.00	
4/14/2011	8:37	8:42	22.68	11.10	6.92	1.692	-294.20	9.87	0.00		
2140-MW05D	12/16/2008	NR	NR	NR	NR	NR	NR	NR	NR	NR	Well damaged: frost heave, can not put probe down
	1/12/2009	16:10	16:32	24.48	11.40	6.86	0.434	75.00	0.42	0.00	
	1/19/2009	14:15	14:20	25.56	11.40	8.00	2.249	47.80	12.19	28.30	
	2/2/2009	14:00	14:17	26.46	11.86	7.57	1.916	167.30	1.04	6.70	
	3/5/2009	7:55	8:22	26.16	11.77	7.87	1.293	26.00	12.05	0.00	
	3/26/2009	10:26	10:59	26.32	11.21	7.82	1.513	-9.70	11.20	0.00	
	4/13/2009	12:52	12:57	26.42	11.49	8.40	0.945	277.10	11.05	0.00	
	5/19/2009	14:01	14:05	26.62	11.12	8.06	1.628	206.00	11.08	0.00	
	6/24/2009	15:12	15:17	26.61	12.31	7.76	1.720	258.50	12.54	0.40	
	7/29/2009	15:23	15:28	27.17	11.03	8.77	1.566	-41.80	1.46	0.60	
	8/27/2009	9:30	9:35	27.82	11.75	7.55	1.657	148.40	3.82	4.90	
	9/16/2009	15:03	15:08	28.08	11.31	7.63	1.517	-99.80	1.07	0.10	
	10/13/2009	14:20	14:25	28.08	11.08	7.67	1.071	-148.50	1.19	0.00	
	11/11/2009	11:20	11:25	28.21	11.74	7.55	0.876	-86.10	4.47	0.10	
	12/14/2009	14:36	14:41	28.42	11.47	8.15	0.798	-96.70	2.16	0.30	
	1/14/2010	10:06	10:11	28.84	11.10	8.61	1.161	80.60	4.81	1.10	
	2/8/2010	9:16	9:21	28.54	11.24	7.59	0.870	115.70	6.38	0.00	
	3/8/2010	10:33	10:38	28.93	11.25	7.83	0.968	154.10	8.40	0.00	
	4/12/2010	10:46	10:51	28.43	11.46	7.77	0.966	18.80	9.45	0.20	
	5/10/2010	10:44	10:49	28.77	10.87	7.85	1.173	118.00	8.25	0.00	
	6/14/2010	10:47	10:52	28.61	11.98	7.30	3.552	33.60	12.29	0.20	
	7/13/2010	10:56	11:01	28.83	12.40	7.26	3.071	127.60	9.46	1.10	
	8/10/2010	9:09	9:14	28.69	12.12	7.41	3.090	38.60	5.28	0.00	
	9/14/2010	13:41	13:46	27.16	11.58	7.22	3.125	53.60	5.92	0.00	
	10/11/2010	10:33	10:38	28.21	12.27	7.59	2.011	89.70	9.96	0.10	AS/SVE turned off Ozone on
	11/15/2010	10:24	10:29	27.97	12.31	7.51	2.198	132.70	8.63	0.00	
	12/13/2010	10:41	10:46	27.83	12.02	7.69	2.312	-78.70	0.19	0.00	
	1/17/2011	12:48	12:53	27.88	12.13	7.73	1.690	-169.60	3.88	0.00	
	2/15/2011	8:50	8:55	20.58	11.83	7.42	4.358	102.10	10.70	0.00	
	3/16/2011	13:05	13:10	27.18	11.61	7.83	1.631	-149.50	5.98	0.00	
4/14/2011	7:59	8:04	26.71	11.54	7.52	1.704	-282.50	7.58	0.00		
2140-MW07	12/16/2008	NR	NR	NR	NR	NR	NR	160.10	4.66	12.10	
	1/12/2009	16:05	16:28	25.68	11.61	7.04	0.555	3.40	1.48	0.00	
	1/19/2009	14:00	14:10	24.65	10.95	7.20	0.916	51.00	6.92	6.51	
	2/2/2009	14:05	14:20	25.82	11.84	6.36	0.464	143.60	0.10	521.00	
	3/5/2009	9:03	9:36	26.33	11.92	6.65	0.543	41.60	0.67	58.70	
	3/26/2009	8:40	9:05	26.32	11.19	6.77	0.747	195.40	2.22	203.00	
	4/13/2009	12:50	13:04	26.61	10.98	7.09	0.736	204.90	1.74	135.00	
	5/19/2009	13:35	13:40	26.62	11.37	6.80	2.123	188.30	3.40	106.10	
	6/24/2009	15:38	15:42	26.47	11.64	6.83	1.197	82.00	1.07	50.30	
	7/29/2009	14:57	15:02	27.18	12.31	8.13	0.931	71.70	6.45	39.10	
	8/27/2009	9:38	9:44	28.04	10.71	6.74	6.642	11.50	2.37	2.90	
	9/15/2009	14:55	15:00	28.42	11.09	6.69	6.100	10.30	0.46	0.60	
	10/12/2009	14:33	14:38	28.77	10.81	7.04	5.431	-110.60	0.91	0.80	
	11/11/2009	11:09	11:14	28.53	11.20	6.67	4.961	-71.40	3.60	1,876.00	

**TABLE 3-13  
SUMMARY OF DO/ORP/PID DATA  
AAFES STATION (BUILDING P-2140)**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
	12/14/2009	14:44	14:49	29.04	11.09	7.32	4.036	-114.70	1.30	8.60	
	1/14/2010	12:36	12:41	20.59	11.01	7.27	5.966	-77.3	0.59	13.60	
	2/8/2010	9:42	9:47	29.41	10.93	6.66	5.1	79.8	3.82	3.60	
	3/8/2010	11:20	11:25	29.74	11.33	6.8	5.028	-102.5	1.19	2.50	
	4/12/2010	10:56	11:01	29.06	11.55	6.78	4.286	3.2	5.51	1.30	
	5/10/2010	10:56	11:01	29.46	10.98	6.84	4.626	-75.50	0.88	2.20	
	6/14/2010	11:02	11:07	29.62	11.92	7.14	3.230	-27.9	10.47	756.40	
	7/13/2010	11:07	11:12	29.97	11.41	7.18	2.551	83.7	9.06	1.50	
	8/10/2010	8:56	9:01	29.41	12.67	7.3	2.590	86.1	1.59	0.00	
	9/14/2010	13:52	13:57	27.96	11.73	7.81	2.692	40.4	10.38	159.3	
	10/11/2010	11:42	11:47	28.74	12.74	6.73	1.904	-126.6	0.44	1.6	AS/SVE turned off Ozone on
	11/15/2010	10:31	10:36	28.46	11.68	7.34	2.091	76.6	8.01	0	
	12/13/2010	12:51	12:56	28.36	11.07	6.76	0.545	-111.3	1.21	7.1	Tubing down well
	1/17/2011	13:12	13:17	28.44	11.97	6.9	0.474	-138.3	1.25	0	
	2/15/2011	9:18	9:23	29.35	11.75	6.85	1.104	-100.4	1.12	0	
	3/16/2011	13:11	13:16	27.77	11.88	6.91	0.715	-145.3	1.67	0	
	4/14/2011	8:07	8:12	25.91	11.61	7.25	0.740	-267.7	10.52	361.1	
2140-MW08	12/16/2008	NR	NR	NR	NR	NR	NR	246.90	12.72	0.00	
	1/12/2009	16:40	16:55	24.98	11.81	7.70	3.612	96.10	0.82	0.00	
	1/19/2009	14:22	14:32	27.50	11.90	8.74	0.616	52.70	12.02	0.00	
	2/2/2009	14:25	14:50	27.49	11.86	7.94	0.407	175.90	1.28	0.11	
	3/5/2009	7:50	8:31	26.71	11.70	8.05	0.646	136.10	11.10	0.00	Well bubbling
	3/26/2009	9:33	9:55	26.22	11.10	7.80	2.901	5.30	12.76	0.00	
	4/13/2009	12:43	12:48	26.34	11.62	8.17	2.018	193.80	14.14	0.00	
	5/19/2009	13:40	13:45	26.40	11.45	7.76	3.504	213.40	12.99	0.00	
	6/24/2009	16:02	16:07	27.01	11.40	7.55	3.453	137.20	12.72	0.00	
	7/29/2009	15:15	15:20	27.54	11.26	8.37	2.902	85.90	11.25	0.00	
	8/27/2009	9:09	9:14	28.05	11.44	7.34	3.220	215.90	12.35	0.00	
	9/16/2009	15:24	15:29	28.28	11.18	7.29	2.830	20.50	11.52	0.00	
	10/12/2009	13:58	14:03	28.03	11.10	7.79	3.873	112.70	11.81	0.00	
	11/11/2009	11:37	11:42	29.08	11.26	8.26	1.400	-18.50	11.15	0.00	
	12/14/2009	14:26	14:31	28.11	10.98	8.28	2.116	-108.60	12.14	0.00	
	1/14/2010	9:53	9:58	28.26	10.78	8.38	3.901	100.20	5.02	0.80	
	2/8/2010	9:06	9:11	27.83	10.28	7.14	3.616	145.80	11.27	0.20	
	3/8/2010	10:23	10:28	28.18	10.68	7.48	4.185	153.70	11.46	0.00	
	4/12/2010	10:18	10:23	27.62	11.31	7.37	4.590	-4.90	11.55	0.10	
	5/10/2010	10:20	10:25	27.97	11.02	7.37	5.563	168.50	10.78	0.00	
	6/14/2010	10:24	10:29	28.31	12.14	6.12	0.021	47.50	11.78	0.00	
	7/13/2010	10:31	10:36	28.53	11.18	7.99	3.803	91.30	12.61	0.00	
	8/10/2010	9:33	9:38	28.28	11.19	7.87	3.750	158.00	11.80	0.00	
	9/14/2010	13:17	13:22	28.08	10.86	7.84	2.140	53.30	10.21	0.00	
	10/11/2010	11:07	11:12	27.54	11.71	7.26	3.404	177.50	11.56	0.00	AS/SVE turned off Ozone on
	11/15/2010	10:05	10:10	25.63	11.38	7.20	2.523	67.60	10.18	0.00	
	12/13/2010	10:28	10:33	27.28	10.98	7.53	4.973	-45.10	0.09	0.00	
	1/17/2011	12:40	12:45	27.56	11.17	7.41	4.501	-142.90	9.86	0.00	
	2/15/2011	8:43	8:48	27.99	11.52	7.24	6.425	98.70	10.20	0.00	
	3/16/2011	12:58	13:03	26.81	11.53	7.45	4.956	-158.10	9.28	0.00	
	4/14/2011	7:52	7:57	26.49	11.53	7.51	4.801	-256.20	11.14	0.00	
2140-MW10	12/16/2008	NR	NR	NR	NR	NR	NR	297.20	10.32	0.00	
	1/12/2009	16:30	16:50	21.69	11.34	6.86	2.069	46.70	4.88	0.00	
	1/19/2009	14:36	14:42	21.75	11.29	8.11	2.071	62.30	11.69	14.20	
	2/2/2009	14:29	14:45	22.14	11.05	6.89	0.351	133.10	0.36	2.60	
	3/5/2009	9:39	10:06	21.93	10.70	6.64	0.183	150.20	8.74	3.20	
	3/26/2009	9:58	10:14	22.09	10.48	6.99	0.301	49.90	9.79	0.00	
	4/13/2009	13:08	13:13	22.33	10.92	7.16	0.190	209.40	6.26	0.00	
	5/19/2009	13:47	13:52	22.54	11.07	7.10	0.303	182.00	9.56	0.00	
	6/24/2009	15:50	15:55	22.71	10.94	6.51	1.431	111.30	4.26	0.00	
	7/29/2009	15:05	15:07	23.04	11.82	7.98	0.561	88.60	5.57	0.00	
	8/27/2009	9:20	9:25	23.40	11.76	7.79	0.001	194.40	11.54	0.00	
	9/15/2009	15:15	15:20	23.46	11.19	7.01	0.245	53.40	6.30	0.00	
	10/12/2009	14:08	14:13	23.55	11.18	7.23	0.281	121.30	7.59	0.00	
	11/11/2009	11:29	11:34	23.27	11.50	7.54	0.230	-28.20	9.92	0.00	
	12/14/2009	15:02	15:07	23.37	11.18	7.69	0.469	-99.60	11.30	1.20	
	1/14/2010	10:22	10:27	24.16	10.75	6.93	4.780	110.10	6.34	0.60	
	2/8/2010	9:27	9:32	23.76	11.08	6.58	6.415	158.90	9.26	0.00	
	3/8/2010	10:46	10:51	24.21	11.00	6.67	8.381	218.30	8.76	0.00	
	4/12/2010	10:34	10:39	23.66	10.99	6.71	8.108	-0.70	11.86	0.00	
	5/10/2010	10:33	10:38	24.15	10.55	7.26	4.239	150.10	8.36	0.00	
	6/14/2010	10:36	10:41	24.18	11.26	7.40	2.591	17.20	11.53	0.00	
	7/13/2010	10:46	10:51	24.33	12.02	7.68	0.694	100.00	12.33	0.30	
	8/10/2010	10:40	10:45	24.18	11.81	7.42	0.900	118.40	8.40	0.00	
	9/14/2010	13:29	13:34	23.71	11.02	7.30	2.466	54.50	8.23	16.60	
	10/11/2010	11:20	11:25	23.62	12.13	7.30	1.778	83.90	7.85	0.00	AS/SVE turned off Ozone on
	11/15/2010	10:14	10:19	23.58	11.67	7.41	1.736	84.80	6.86	0.00	
	12/13/2010	10:50	10:55	23.32	10.79	7.41	1.621	-134.30	0.24	0.00	

**TABLE 3-13  
SUMMARY OF DO/ORP/PID DATA  
AAFES STATION (BUILDING P-2140)**

Monitoring Well	Date	Start Time	End Time	DTW	Temp	pH	Conductivity	ORP (mV)	DO	PID (ppm)	Notes
	1/17/2011	13:01	13:06	23.42	11.48	7.89	0.619	-164.90	5.62	0.00	
	2/15/2011	9:05	9:10	24.05	11.20	7.42	1.209	-55.10	4.39	0.00	
	3/16/2011	13:21	13:26	22.73	11.22	6.87	1.757	-153.30	4.92	0.00	
	4/14/2011	8:14	8:19	22.32	11.11	7.02	1.059	-266.90	9.27	47.20	
2140-MW12	12/16/2008	NR	NR	NR	NR	NR	NR	NR	NR	NR	Under snow/ice
	1/12/2009	15:17	15:45	17.77	11.26	6.80	2.279	-54.00	0.33	1.20	
	1/19/2009	15:00	15:10	18.00	11.95	8.02	2.692	24.70	12.41	8.30	
	2/2/2009	13:25	13:45	18.58	11.77	7.19	2.251	170.90	1.37	0.00	
	3/5/2009	10:09	10:37	17.92	11.57	6.97	1.084	149.60	9.32	0.00	
	3/26/2009	9:10	9:30	18.03	10.76	6.78	1.086	-84.40	0.86	0.00	
	4/13/2009	12:32	12:37	18.57	11.35	6.88	1.290	82.70	5.56	0.00	
	5/19/2009	11:15	11:20	18.54	10.84	6.80	1.882	173.70	11.17	0.00	
	6/24/2009	14:22	14:27	19.02	11.10	6.39	2.066	94.00	6.33	3.20	
	7/29/2009	15:47	15:52	21.68	11.08	8.07	2.038	91.30	2.49	0.00	
	8/27/2009	8:44	8:49	20.28	11.48	6.41	2.643	144.30	2.28	0.00	
	9/15/2009	14:32	14:37	20.67	11.09	6.96	2.208	1.10	0.54	0.00	
	10/12/2009	13:33	13:38	20.66	11.06	7.20	2.597	-38.80	0.63	0.00	
	11/11/2009	11:52	11:57	20.47	11.58	8.29	2.464	21.30	12.73	0.00	
	12/14/2009	14:00	14:05	20.41	11.11	7.55	2.095	-60.2	1.91	0.20	
	1/14/2010	9:30	9:35	20.53	11.46	7.89	2.318	96.80	3.12	113.80	
	2/8/2010	8:45	8:50	19.87	10.91	7.12	1.059	128.20	10.12	0.00	
	3/8/2010	9:47	9:52	20.36	11.13	6.83	1.051	140.90	9.16	0.00	
	4/12/2010	9:53	9:58	19.68	10.67	6.92	0.935	-0.90	9.04	0.00	
	5/10/2010	9:53	9:58	20.21	10.55	6.79	2.496	179.30	4.66	0.00	Identical times are not a copy of above
	6/15/2010	10:00	10:05	20.66	10.82	7.09	3.641	53.20	12.11	0.00	
	7/13/2010	10:08	10:13	20.88	11.74	7.12	5.023	-53.60	3.53	0.20	
	8/10/2010	10:03	10:08	20.59	10.98	7.40	2.340	145.60	11.24	0.00	
	9/14/2010	12:49	12:54	20.93	11.01	7.45	4.420	-10.10	10.11	0.20	
	10/11/2010	10:25	10:30	19.71	11.69	6.78	2.550	158.00	11.26	0.10	AS/SVE turned off Ozone on
	11/15/2010	9:47	9:52	19.86	12.07	7.05	1.612	99.10	9.51	0.00	
	12/13/2010	9:11	9:16	19.38	11.88	7.01	2.385	-107.50	0.55	0.00	
	1/17/2011	11:19	11:24	19.71	11.72	7.26	1.843	-199.80	6.96	0.00	
	2/14/2011	8:29	8:34	20.17	11.46	7.05	1.882	67.00	6.19	0.00	
	3/16/2011	12:49	12:54	18.63	10.95	7.30	2.104	-156.70	3.30	0.00	
	4/14/2011	7:36	7:41	18.51	11.25	6.76	1.547	-273.60	0.22	0.00	
2140-MW15	12/16/2008	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	1/12/2009	15:21	15:42	8.20	10.59	7.35	3.759	61.10	0.42	0.00	
	1/19/2009	15:20	15:30	8.40	9.80	8.81	0.075	6.20	12.62	0.50	
	2/2/2009	13:32	13:50	8.93	9.63	5.66	0.047	168.60	0.59	0.00	
	3/5/2009	9:41	10:20	8.18	8.90	6.95	0.036	84.30	11.67	0.00	
	3/26/2009	8:40	9:05	8.31	8.38	6.58	0.365	29.50	10.63	0.00	
	4/13/2009	12:17	12:22	8.52	9.02	7.16	1.155	200.20	11.27	0.00	
	5/19/2009	11:28	11:32	8.93	9.20	7.68	2.056	176.50	13.84	0.00	
	6/24/2009	14:31	14:36	9.42	10.00	7.35	2.624	69.10	11.32	0.00	
	7/29/2009	16:01	16:06	10.04	11.05	8.54	0.398	95.90	9.19	0.00	
	8/27/2009	8:57	9:03	10.60	11.47	6.73	1.008	152.30	11.86	0.00	
	9/15/2009	14:44	14:49	10.96	11.08	7.12	2.322	2.80	3.86	0.00	
	10/12/2009	13:45	13:50	10.89	11.79	6.98	1.215	51.90	2.25	0.00	
	11/11/2009	12:02	12:07	10.64	11.64	7.42	0.918	55.40	8.36	0.10	
	12/14/2009	14:15	14:20	10.56	11.21	7.61	1.298	-129.00	2.65	0.10	
	1/14/2010	9:42	9:47	10.72	10.29	7.99	0.774	79.60	7.70	0.00	
	2/8/2010	8:56	9:01	10.04	9.40	7.25	0.351	113.20	10.51	0.10	
	3/8/2010	9:56	10:01	10.48	9.11	7.02	1.179	146.30	10.06	0.00	
	4/12/2010	10:07	10:12	9.91	8.78	7.21	0.316	4.60	11.58	0.00	
	5/10/2010	10:06	10:11	10.38	9.13	7.12	0.792	138.60	7.40	0.00	
	6/14/2010	10:12	10:17	10.93	10.24	6.71	1.527	42.20	10.57	0.00	
	7/13/2010	10:18	10:23	11.07	10.25	7.07	2.655	-7.30	9.60	0.00	
	8/10/2010	10:25	10:30	11.91	11.34	7.32	1.700	86.80	7.31	0.00	
	9/14/2010	13:00	13:05	11.32	11.16	7.05	2.360	24.90	3.98	0.00	
	10/11/2010	10:34	10:39	10.04	13.15	6.91	0.481	128.70	8.83	0.00	AS/SVE turned off Ozone on
	11/15/2010	9:54	9:59	10.14	11.91	6.96	2.959	-41.70	2.60	0.00	
	12/13/2010	9:25	9:30	9.68	11.18	7.28	0.223	-94.70	6.61	0.00	
	1/17/2011	11:30	11:35	10.02	11.21	7.28	2.938	-192.00	3.20	0.00	
	2/15/2011	8:17	8:22	10.47	10.82	6.80	4.901	47.10	5.12	0.00	
	3/16/2011	12:26	12:31	8.84	10.41	7.32	3.682	-157.80	6.88	0.00	
	4/14/2011	7:43	7:48	8.86	10.11	6.93	5.298	-290.10	1.98	0.00	

**Notes:**

- NR = Not Recorded
- DTW = Depth to Water (feet)
- Temp = Temperature (degrees Fahrenheit)
- ORP = Oxidation Reduction Potential
- mV = Millivolts
- DO = Dissolved Oxygen (milligrams per liter)
- PID = Photoionization Detector
- ppm = Parts Per Million



## **APPENDIX A**

### **Summary of Operation and Maintenance Data**

#### **Area 1295**

Table A-1  
 Area 1295 Ozone Injection System  
 February 2011 - April 2011 O&M Data  
 Fort Drum, NY

Date	Time	System Condition	Injecting at Point	Air Flow Rate (scfm)	Air Flow Pressure (psi)	Notes
04/12/11	833	On	4.0	1.4	3.2	
04/13/11	750	On	1.0	1.8	3.5	
04/14/11	1040	On	5.0	3.2	3.5	
04/15/11	833	On	2.0	2.2	2.0	
04/18/11	NR	Off	NR	NR	NR	Off
04/19/11	NR	Off	NR	NR	NR	Off
04/20/11	NR	Off	NR	NR	NR	Off
04/21/11	NR	Off	NR	NR	NR	System will be restarted in the morning
04/22/11	721	On	1.0	1.8	6.0	Oil changed in generator A
04/26/11	NR	Off	NR	NR	NR	Off for system maintainence
04/27/11	1139	On	1.0	2.0	5.0	New valves and gaskets
04/28/11	1118	On	4.0	2.2	3.0	
04/29/11	1107	On	5.0	2.2	3.5	

Notes:

NR = Not Recorded.

scfm = Standard Cubic Feet per Minute

psi = Pressure per Square Inch

Table A-2  
LNAPL Gauging  
February 2011 - April 2011 O&M Data  
Fort Drum, NY

Site	Well ID	Date	Depth to Product (feet)	Depth to Water (feet)	Apparent Product Thickness (feet)	Depth to Bottom (feet)	Comments
1595	4-4S	2/1/2011	-	10.40	0.00	13.25	
		2/17/2011	-	11.12	0.00	13.25	
		2/23/2011	-	10.53	0.00	13.25	
		3/3/2011	-	10.48	0.00	13.25	
		3/11/2011	-	10.52	0.00	13.25	
		3/18/2011	-	8.59	0.00	13.25	
		3/23/2011	-	8.49	0.00	13.25	
		3/31/2011	-	8.62	0.00	13.25	
		4/7/2011	9.06	9.42	0.36	13.25	
		4/12/2011	9.15	9.23	0.08	13.25	
		4/29/2011	-	8.06	0.00	13.25	
1595	4-5S	2/1/2011	-	9.56	0.00	14.14	
		2/17/2011	-	10.35	0.00	14.14	
		2/23/2011	-	9.89	0.00	14.14	
		3/3/2011	-	9.91	0.00	14.14	
		3/11/2011	-	9.95	0.00	14.14	
		3/18/2011	-	8.84	0.00	14.14	
		3/23/2011	-	8.75	0.00	14.14	
		3/31/2011	-	8.81	0.00	14.14	
		4/7/2011	-	8.39	0.00	14.14	
		4/12/2011	-	8.45	0.00	14.14	
		4/29/2011	-	7.59	0.00	14.14	
1595	MWS8	2/1/2011	8.29	8.34	0.05	18.80	LNAPL confirmed with bailer, product removed with bailer.
		2/17/2011	-	8.78	0.00	18.80	LNAPL confirmed with bailer, product removed with bailer.
		2/23/2011	8.43	8.65	0.22	18.80	LNAPL confirmed with bailer, product removed with bailer.
		3/3/2011	8.41	8.56	0.15	18.80	LNAPL confirmed with bailer, product removed with bailer.
		3/11/2011	6.84	8.31	1.47	18.80	LNAPL confirmed with bailer, product removed with bailer.
		3/18/2011	6.71	6.94	0.23	18.80	LNAPL confirmed with bailer, product removed with bailer.
		3/23/2011	6.97	6.99	0.02	18.80	LNAPL confirmed with bailer, product removed with bailer.
		3/31/2011	7.02	7.08	0.06	18.80	LNAPL confirmed with bailer, product removed with bailer.
		4/7/2011	NP	7.36	0.00	18.80	No Product, but had a PID of 364.8
		4/12/2011	NP	7.41	0.00	18.80	No Product, but had a PID of 364.8
		4/29/2011	NP	6.49	0.00	18.80	
1795	PZ-17	2/1/2011	-	12.37	0.00	NR	
		2/17/2011	-	13.02	0.00	NR	
		2/23/2011	-	12.72	0.00	NR	
		3/3/2011	-	12.70	0.00	NR	
		3/11/2011	-	12.68	0.00	NR	
		3/18/2011	-	10.23	0.00	NR	
		3/23/2011	-	10.18	0.00	NR	
		3/31/2011	-	10.27	0.00	NR	
		4/7/2011	-	10.74	0.00	NR	
		4/12/2011	-	11.05	0.00	NR	
		4/29/2011	-	10.38	0.00	NR	



3805B	6-10M	2/1/2011	-	14.45	0.00	21.74	
		2/17/2011	-	15.34	0.00	21.74	
		2/23/2011	-	15.09	0.00	21.74	
		3/3/2011	-	15.08	0.00	21.74	
		3/11/2011	-	11.99	0.00	21.74	
		3/18/2011	-	13.09	0.00	21.74	
		3/23/2011	-	13.11	0.00	21.74	
		3/31/2011	-	0.38	0.00	21.74	
		4/7/2011	-	13.79	0.00	21.74	
		4/12/2011	-	14.43	0.00	21.74	
		4/29/2011	-	13.71	0.00	21.74	
3805B	9-1M	2/1/2011	NA	11.52	NA	18.90	
		2/17/2011	NA	12.38	NA	18.90	
		2/23/2011	NA	12.07	NA	18.90	
		3/3/2011	NA	12.05	NA	18.90	
		3/11/2011	NA	12.13	NA	18.90	
		3/18/2011	NA	10.41	NA	18.90	
		3/23/2011	NA	10.37	NA	18.90	
		3/31/2011	NA	10.40	NA	18.90	
		4/7/2011	NA	10.66	NA	18.90	
		4/12/2011	NA	10.16	NA	18.90	
		4/29/2011	NA	10.21	NA	18.90	
3805B	PZ-10-2	2/1/2011	14.29	14.63	0.34	21.60	LNAPL confirmed with bailer and removed
		2/17/2011	14.98	15.20	0.22	21.60	LNAPL confirmed with bailer and removed
		2/23/2011	14.63	14.79	0.16	21.60	LNAPL confirmed with bailer and removed
		3/3/2011	14.60	14.71	0.11	21.60	LNAPL confirmed with bailer and removed
		3/11/2011	13.31	13.86	0.55	21.60	LNAPL confirmed with bailer and removed
		3/18/2011	13.06	14.03	0.97	21.60	LNAPL confirmed with bailer and removed
		3/23/2011	12.89	13.43	0.54	21.60	LNAPL confirmed with bailer and removed
		3/31/2011	13.01	13.43	0.42	21.60	LNAPL confirmed with bailer and removed
		4/7/2011	13.34	13.97	0.63	21.60	LNAPL confirmed with bailer and removed
		4/12/2011	13.72	14.25	0.53	21.60	LNAPL confirmed with bailer and removed
		4/29/2011	13.08	13.26	0.18	21.60	LNAPL confirmed with bailer and removed

Notes:

NR = Not Recorded

## **APPENDIX B**

### **Summary of Well Gauging Results and Operation and Maintenance Data**

#### **Area 1595**

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
1595-1-1S	11/30/2005	623.15	4.38	618.77	-	-	618.77
	01/26/2006	623.15	4.42	618.73	-	-	618.73
	03/29/2006	623.15	NR	-	NR	-	-
	03/30/2006	623.15	NR	-	NR	-	-
	04/10/2006	623.15	4.64	618.51	-	-	618.51
	05/11/2006	623.15	4.83	618.32	-	-	618.32
	07/01/2008	623.15	5.20	617.95	-	-	617.95
	09/18/2008	623.15	4.98	618.17	-	-	618.17
	10/23/2008	623.15	5.04	618.11	-	-	618.11
	12/30/2008	623.15	2.39	620.76	-	-	620.76
	01/29/2009	623.15	3.22	619.93	-	-	619.93
	02/24/2009	623.15	2.80	620.35	-	-	620.35
	03/27/2009	623.15	2.70	620.45	-	-	620.45
	04/28/2009	623.15	4.49	618.66	-	-	618.66
	05/20/2009	623.15	2.53	620.62	-	-	620.62
	06/25/2009	623.15	3.18	619.97	-	-	619.97
	07/21/2009	623.15	4.41	618.74	-	-	618.74
	08/25/2009	623.15	4.80	618.35	-	-	618.35
	09/15/2009	623.15	4.96	618.19	-	-	618.19
	10/14/2009	623.15	5.92	617.23	-	-	617.23
	11/10/2009	623.15	4.91	618.24	-	-	618.24
	12/14/2009	623.15	4.79	618.36	-	-	618.36
	01/11/2010	623.15	6.04	617.11	-	-	617.11
	02/10/2010	623.15	5.79	617.36	-	-	617.36
	03/10/2010	623.15	4.85	618.30	-	-	618.30
	04/14/2010	623.15	5.80	617.35	-	-	617.35
	05/12/2010	623.15	5.97	617.18	-	-	617.18
	06/17/2010	623.15	6.21	616.94	-	-	616.94
	07/14/2010	623.15	6.11	617.04	-	-	617.04
	08/09/2010	623.15	6.07	617.08	-	-	617.08
	09/16/2010	623.15	6.36	616.79	-	-	616.79
	10/13/2010	623.15	4.89	618.26	-	-	618.26
	11/16/2010	623.15	5.53	617.62	-	-	617.62
12/16/2010	623.15	NR	-	-	NR	-	
01/13/2011	623.15	NR	-	-	NR	-	
03/14/2011	623.15	NR	-	-	NR	-	
04/12/2011	623.15	NR	-	-	NR	-	
1595-1-2S	11/30/2005	625.48	7.06	618.42	-	-	618.42
	01/26/2006	625.48	6.92	618.56	-	-	618.56
	03/29/2006	625.48	NR	-	NR	-	-
	03/30/2006	625.48	NR	-	NR	-	-
	04/10/2006	625.48	7.13	618.35	-	-	618.35
	05/11/2006	625.48	7.33	618.15	-	-	618.15
	07/01/2008	625.48	7.05	618.43	-	-	618.43
	09/18/2008	625.48	7.46	618.02	7.40	0.06	618.07
	10/23/2008	625.48	7.87	617.61	7.86	0.01	617.62
	12/30/2008	625.48	5.40	620.08	SHEEN	-	620.08
	01/29/2009	625.48	6.23	619.25	-	-	619.25
	02/24/2009	625.48	6.15	619.33	-	-	619.33
	03/27/2009	625.48	6.12	619.36	-	-	619.36
	04/28/2009	625.48	7.08	618.40	-	-	618.40
	05/20/2009	625.48	6.11	619.37	-	-	619.37
	06/25/2009	625.48	6.27	619.21	-	-	619.21
	07/21/2009	625.48	7.12	618.36	-	-	618.36
08/25/2009	625.48	7.50	617.98	-	-	617.98	
09/15/2009	625.48	7.61	617.87	-	-	617.87	
10/14/2009	625.48	8.47	617.01	-	-	617.01	
11/01/2009	625.48	7.42	618.06	-	-	618.06	
12/14/2009	625.48	7.29	618.19	-	-	618.19	

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	01/11/2010	625.48	8.61	616.87	-	-	616.87
	02/10/2010	625.48	8.33	617.15	-	-	617.15
	03/10/2010	625.48	8.61	616.87	-	-	616.87
	04/14/2010	625.48	8.34	617.14	-	-	617.14
	05/12/2010	625.48	8.49	616.99	-	-	616.99
	06/17/2010	625.48	6.74	618.74	-	-	618.74
	07/14/2010	625.48	8.68	616.80	-	-	616.80
	08/09/2010	625.48	8.63	616.85	-	-	616.85
	09/16/2010	625.48	8.87	616.61	-	-	616.61
	10/13/2010	625.48	7.64	617.84	-	-	617.84
	11/16/2010	625.48	8.12	617.36	-	-	617.36
	12/16/2010	625.48	NR	-	NR	-	-
	01/13/2011	625.48	NR	-	NR	-	-
	03/14/2011	625.48	NR	-	NR	-	-
	04/12/2011	625.48	NR	-	NR	-	-
1595-1-3S	11/30/2005	632.55	10.76	621.79	-	-	621.79
	01/26/2006	632.55	10.28	622.27	-	-	622.27
	03/29/2006	632.55	NR	-	NR	-	-
	03/30/2006	632.55	NR	-	NR	-	-
	04/10/2006	632.55	10.47	622.08	-	-	622.08
	05/11/2006	632.55	10.71	621.84	-	-	621.84
	07/01/2008	632.55	11.05	621.50	-	-	621.50
1595-1-4S	11/30/2005	634.07	13.63	620.44	-	-	620.44
	01/26/2006	634.07	13.09	620.98	-	-	620.98
	03/29/2006	634.07	NR	-	NR	-	-
	03/30/2006	634.07	NR	-	NR	-	-
	04/10/2006	634.07	13.26	620.81	-	-	620.81
	05/11/2006	634.07	13.48	620.59	-	-	620.59
	07/01/2008	634.07	13.80	620.27	-	-	620.27
	09/18/2008	634.07	13.10	620.97	-	-	620.97
	10/23/2008	634.07	13.50	620.57	-	-	620.57
	12/30/2008	634.07	11.64	622.43	-	-	622.43
	01/29/2009	634.07	12.35	621.72	-	-	621.72
	02/24/2009	634.07	12.28	621.79	-	-	621.79
	03/27/2009	634.07	12.34	621.73	-	-	621.73
	04/28/2009	634.07	12.91	621.16	-	-	621.16
	05/20/2009	634.07	12.26	621.81	-	-	621.81
	06/25/2009	634.07	13.16	620.91	-	-	620.91
	07/21/2009	634.07	12.92	621.15	-	-	621.15
	08/25/2009	634.07	13.52	620.55	-	-	620.55
	09/15/2009	634.07	13.83	620.24	-	-	620.24
	10/14/2009	634.07	14.73	619.34	-	-	619.34
	11/10/2009	634.07	13.93	620.14	-	-	620.14
	12/14/2009	634.07	13.61	620.46	-	-	620.46
	01/11/2010	634.07	15.02	619.05	-	-	619.05
	02/10/2010	634.07	14.74	619.33	-	-	619.33
	03/10/2010	634.07	13.94	620.13	-	-	620.13
	04/14/2010	634.07	14.57	619.50	-	-	619.50
	05/12/2010	634.07	14.78	619.29	-	-	619.29
	06/17/2010	634.07	15.07	619.00	-	-	619.00
	07/14/2010	634.07	15.06	619.01	-	-	619.01
	08/09/2010	634.07	15.02	619.05	-	-	619.05
	09/16/2010	634.07	15.26	618.81	-	-	618.81
	10/13/2010	634.07	14.14	619.93	-	-	619.93
	11/16/2010	634.07	14.46	619.61	-	-	619.61
	12/16/2010	634.07	NR	-	NR	-	-
	01/13/2011	634.07	NR	-	NR	-	-
	03/14/2011	634.07	NR	-	NR	-	-
	04/12/2011	634.07	NR	-	NR	-	-



**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
1595-2-1S	11/30/2005	630.16	7.08	623.08	-	-	623.08
	01/26/2006	630.16	6.83	623.33	-	-	623.33
	03/29/2006	630.16	NR	-	NR	-	-
	03/30/2006	630.16	NR	-	NR	-	-
	04/10/2006	630.16	7.14	623.02	7.10	0.04	623.05
	05/11/2006	630.16	7.34	622.82	-	-	622.82
	07/01/2008	630.16	7.75	622.41	-	-	622.41
1595-2-2S	11/30/2005	629.84	7.58	622.26	6.96	0.62	622.73
	01/26/2006	629.84	5.54	624.30	-	-	624.30
	03/29/2006	629.84	NR	-	NR	-	-
	03/30/2006	629.84	NR	-	NR	-	-
	04/10/2006	629.84	5.76	624.08	-	-	624.08
	05/11/2006	629.84	6.22	623.62	5.96	0.26	623.82
	07/01/2008	629.84	6.45	623.39	-	-	623.39
	09/18/2008	629.84	6.82	623.02	-	-	623.02
	10/23/2008	629.84	7.10	622.74	-	-	622.74
	12/30/2008	629.84	4.66	625.18	4.65	0.01	625.19
	01/29/2009	629.84	5.82	624.02	-	-	624.02
	02/24/2009	629.84	5.65	624.19	-	-	624.19
	03/27/2009	629.84	5.52	624.32	-	-	624.32
	04/28/2009	629.84	6.74	623.10	-	-	623.10
	05/20/2009	629.84	5.96	623.88	-	-	623.88
	06/25/2009	629.84	6.31	623.53	-	-	623.53
	07/21/2009	629.84	7.47	622.37	-	-	622.37
	08/25/2009	629.84	8.02	621.82	-	-	621.82
	09/15/2009	629.84	7.96	621.88	7.92	0.04	621.91
	10/14/2009	629.84	8.62	621.22	-	-	621.22
	11/10/2009	629.84	8.49	621.35	-	-	621.35
	12/14/2009	629.84	8.45	621.39	-	-	621.39
	01/11/2010	629.84	8.79	621.05	-	-	621.05
	02/10/2010	629.84	8.45	621.39	-	-	621.39
	03/10/2010	629.84	8.79	621.05	-	-	621.05
	04/14/2010	629.84	8.43	621.41	-	-	621.41
	05/12/2010	629.84	8.67	621.17	-	-	621.17
	06/17/2010	629.84	8.99	620.85	-	-	620.85
07/14/2010	629.84	8.88	620.96	-	-	620.96	
08/09/2010	629.84	8.65	621.19	-	-	621.19	
09/16/2010	629.84	8.91	620.93	-	-	620.93	
10/13/2010	629.84	7.49	622.35	-	-	622.35	
11/16/2010	629.84	8.19	621.65	-	-	621.65	
12/16/2010	629.84	NR	-	-	NR	-	
01/13/2011	629.84	NR	-	-	NR	-	
03/14/2011	629.84	NR	-	-	NR	-	
04/12/2011	629.84	NR	-	-	NR	-	
1595-2-3S	11/30/2005	631.58	7.28	624.30	-	-	624.30
	01/26/2006	631.58	6.81	624.77	-	-	624.77
	03/29/2006	631.58	NR	-	NR	-	-
	03/30/2006	631.58	NR	-	NR	-	-
	04/10/2006	631.58	7.15	624.43	-	-	624.43
	05/11/2006	631.58	7.41	624.17	-	-	624.17
	07/01/2008	631.58	7.90	623.68	-	-	623.68
	09/18/2008	631.58	7.52	624.06	-	-	624.06
	10/23/2008	631.58	8.20	623.38	8.03	0.17	623.51
	12/30/2008	631.58	4.93	626.65	-	-	626.65
	01/29/2009	631.58	5.45	626.13	-	-	626.13
	02/24/2009	631.58	6.25	625.33	-	-	625.33
	03/27/2009	631.58	5.68	625.90	-	-	625.90
	04/28/2009	631.58	6.81	624.77	-	-	624.77
	05/20/2009	631.58	6.32	625.26	-	-	625.26

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	06/25/2009	631.58	6.39	625.19	-	-	625.19
	07/21/2009	631.58	6.99	624.59	-	-	624.59
	08/25/2009	631.58	7.68	623.90	-	-	623.90
	09/15/2009	631.58	8.40	623.18	8.27	0.13	623.28
	10/14/2009	631.58	9.01	622.57	8.98	0.03	622.59
	11/10/2009	631.58	8.86	622.72	-	-	622.72
	12/14/2009	631.58	8.84	622.74	-	-	622.74
	01/11/2010	631.58	9.21	622.37	-	-	622.37
	02/10/2010	631.58	8.76	622.82	-	-	622.82
	03/10/2010	631.58	8.21	623.37	-	-	623.37
	04/14/2010	631.58	8.76	622.82	-	-	622.82
	05/12/2010	631.58	9.10	622.48	-	-	622.48
	06/17/2010	631.58	9.44	622.14	-	-	622.14
	07/14/2010	631.58	9.31	622.27	-	-	622.27
	08/09/2010	631.58	9.12	622.46	-	-	622.46
	09/16/2010	631.58	9.53	622.05	-	-	622.05
	10/13/2010	631.58	7.58	624.00	-	-	624.00
	11/16/2010	631.58	8.43	623.15	-	-	623.15
	12/16/2010	631.58	NR	-	NR	-	-
	01/13/2011	631.58	NR	-	NR	-	-
	03/14/2011	631.58	NR	-	NR	-	-
	04/12/2011	631.58	NR	-	NR	-	-
1595-2-4S	11/30/2005	630.37	6.74	623.63	-	-	623.63
	01/26/2006	630.37	6.37	624.00	-	-	624.00
	03/29/2006	630.37	NR	-	NR	-	-
	03/30/2006	630.37	NR	-	NR	-	-
	04/10/2006	630.37	6.64	623.73	-	-	623.73
	05/11/2006	630.37	6.89	623.48	-	-	623.48
	07/01/2008	630.37	7.30	623.07	-	-	623.07
1595-2-5S	11/30/2005	633.12	7.89	625.23	-	-	625.23
	01/26/2006	633.12	7.26	625.86	-	-	625.86
	03/29/2006	633.12	NR	-	NR	-	-
	03/30/2006	633.12	NR	-	NR	-	-
	04/10/2006	633.12	7.77	625.35	7.61	0.16	625.47
	05/11/2006	633.12	8.00	625.12	7.90	0.10	625.20
	07/01/2008	633.12	8.45	624.67	-	-	624.67
1595-2-6S	11/30/2005	631.15	7.08	624.07	-	-	624.07
	01/26/2006	631.15	6.52	624.63	-	-	624.63
	03/29/2006	631.15	NR	-	NR	-	-
	03/30/2006	631.15	NR	-	NR	-	-
	04/10/2006	631.15	6.83	624.32	-	-	624.32
	05/11/2006	631.15	7.08	624.07	-	-	624.07
	07/01/2008	631.15	7.50	623.65	-	-	623.65
1595-3-1S	11/30/2005	632.99	7.65	625.34	-	-	625.34
	01/26/2006	632.99	7.10	625.89	-	-	625.89
	03/29/2006	632.99	NR	-	NR	-	-
	03/30/2006	632.99	NR	-	NR	-	-
	04/10/2006	632.99	7.49	625.50	-	-	625.50
	05/11/2006	632.99	7.76	625.23	-	-	625.23
	07/01/2008	632.99	8.25	624.74	-	-	624.74
	09/18/2008	632.99	6.55	626.44	-	-	626.44
	10/23/2008	632.99	7.10	625.89	-	-	625.89
	12/30/2008	632.99	3.72	629.27	-	-	629.27
	01/29/2009	632.99	6.89	626.10	-	-	626.10
	02/24/2009	632.99	5.90	627.09	-	-	627.09
	03/27/2009	632.99	4.80	628.19	-	-	628.19
	04/28/2009	632.99	7.03	625.96	-	-	625.96

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	05/20/2009	632.99	6.79	626.20	-	-	626.20
	06/25/2009	632.99	2.39	630.60	-	-	630.60
	07/21/2009	632.99	7.96	625.03	-	-	625.03
	08/25/2009	632.99	8.62	624.37	-	-	624.37
	09/15/2009	632.99	9.11	623.88	-	-	623.88
	10/14/2009	632.99	9.43	623.56	-	-	623.56
	11/10/2009	632.99	9.24	623.75	-	-	623.75
	12/14/2009	632.99	9.31	623.68	-	-	623.68
	01/11/2010	632.99	9.59	623.40	-	-	623.40
	02/10/2010	632.99	9.18	623.81	-	-	623.81
	03/10/2010	632.99	9.68	623.31	-	-	623.31
	04/14/2010	632.99	9.12	623.87	-	-	623.87
	05/12/2010	632.99	9.51	623.48	-	-	623.48
	06/17/2010	632.99	9.84	623.15	-	-	623.15
	07/14/2010	632.99	9.74	623.25	-	-	623.25
	08/09/2010	632.99	9.47	623.52	-	-	623.52
	09/16/2010	632.99	10.03	622.96	-	-	622.96
	10/13/2010	632.99	8.10	624.89	-	-	624.89
	11/16/2010	632.99	8.66	624.33	-	-	624.33
	12/16/2010	632.99	NR	-	NR	-	-
	01/13/2011	632.99	NR	-	NR	-	-
	03/14/2011	632.99	NR	-	NR	-	-
	04/12/2011	632.99	NR	-	NR	-	-
1595-3-2S	11/30/2005	633.68	7.53	626.15	-	-	626.15
	01/26/2006	633.68	6.81	626.87	-	-	626.87
	03/29/2006	633.68	NR	-	NR	-	-
	03/30/2006	633.68	NR	-	NR	-	-
	04/10/2006	633.68	7.22	626.46	-	-	626.46
	05/11/2006	633.68	7.52	626.16	-	-	626.16
	07/01/2008	633.68	8.00	625.68	-	-	625.68
1595-3-3S	11/30/2005	637.45	11.43	626.02	-	-	626.02
	01/26/2006	637.45	10.64	626.81	-	-	626.81
	03/29/2006	637.45	NR	-	NR	-	-
	03/30/2006	637.45	NR	-	NR	-	-
	04/10/2006	637.45	11.21	626.24	11.01	0.20	626.39
	05/11/2006	637.45	11.38	626.07	11.32	0.06	626.12
	07/01/2008	637.45	10.95	626.50	-	-	626.50
1595-4-1S	11/30/2005	634.24	6.94	627.30	6.62	0.32	627.54
	01/26/2006	634.24	5.11	629.13	5.03	0.08	629.19
	03/29/2006	634.24	5.01	629.23	-	-	629.23
	03/30/2006	634.24	NR	-	NR	-	-
	04/10/2006	634.24	5.44	628.80	-	-	628.80
	05/11/2006	634.24	5.78	628.46	-	-	628.46
	07/01/2008	634.24	6.30	627.94	-	-	627.94
	09/18/2008	634.24	6.89	627.35	-	-	627.35
	10/23/2008	634.24	7.22	627.02	-	-	627.02
	12/30/2008	634.24	5.11	629.13	-	-	629.13
	01/29/2009	634.24	5.18	629.06	-	-	629.06
	02/24/2009	634.24	5.25	628.99	-	-	628.99
	03/27/2009	634.24	4.82	629.42	-	-	629.42
	04/28/2009	634.24	5.88	628.36	-	-	628.36
	05/20/2009	634.24	4.68	629.56	-	-	629.56
	06/25/2009	634.24	5.23	629.01	-	-	629.01
	07/21/2009	634.24	6.55	627.69	-	-	627.69
	08/25/2009	634.24	6.82	627.42	-	-	627.42
	09/15/2009	634.24	7.27	626.97	-	-	626.97
	10/14/2009	634.24	8.56	625.68	-	-	625.68
	11/10/2009	634.24	7.35	626.89	-	-	626.89

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	12/14/2009	634.24	8.51	625.73	-	-	625.73
	01/11/2010	634.24	8.82	625.42	-	-	625.42
	02/10/2010	634.24	8.39	625.85	-	-	625.85
	03/10/2010	634.24	7.39	626.85	-	-	626.85
	04/14/2010	634.24	8.35	625.89	-	-	625.89
	05/12/2010	634.24	8.79	625.45	-	-	625.45
	06/17/2010	634.24	9.11	625.13	-	-	625.13
	07/14/2010	634.24	8.89	625.35	-	-	625.35
	08/09/2010	634.24	8.61	625.63	-	-	625.63
	09/16/2010	634.24	9.08	625.16	-	-	625.16
	10/13/2010	634.24	6.59	627.65	-	-	627.65
	11/16/2010	634.24	7.83	626.41	-	-	626.41
	12/16/2010	634.24	NR	-	NR	-	-
	01/13/2011	634.24	NR	-	NR	-	-
	03/14/2011	634.24	NR	-	NR	-	-
	04/12/2011	634.24	NR	-	NR	-	-
1595-4-2S	11/30/2005	635.37	7.87	627.50	7.74	0.13	627.60
	01/26/2006	635.37	6.18	629.19	6.12	0.06	629.24
	03/29/2006	635.37	5.99	629.38	-	-	629.38
	03/30/2006	635.37	NR	-	NR	-	-
	04/10/2006	635.37	6.56	628.81	-	-	628.81
	05/11/2006	635.37	6.87	628.50	-	-	628.50
	07/01/2008	635.37	7.45	627.92	-	-	627.92
1595-4-3S	11/30/2005	634.73	8.91	625.82	7.66	1.25	626.77
	01/26/2006	634.73	6.93	627.80	5.99	0.94	628.51
	03/29/2006	634.73	6.76	627.97	-	-	627.97
	03/30/2006	634.73	6.52	628.21	6.27	0.25	628.40
	04/10/2006	634.73	6.91	627.82	6.46	0.45	628.16
	05/11/2006	634.73	7.24	627.49	6.77	0.47	627.85
	07/01/2008	634.73	7.43	627.30	7.35	0.08	627.36
	09/18/2008	634.73	8.73	626.00	-	-	626.00
	10/23/2008	634.73	8.71	626.02	SHEEN	-	626.02
	12/30/2008	634.73	4.92	629.81	-	-	629.81
	01/29/2009	634.73	6.13	628.60	-	-	628.60
	02/24/2009	634.73	5.91	628.82	-	-	628.82
	03/27/2009	634.73	5.77	628.96	-	-	628.96
	04/28/2009	634.73	6.94	627.79	-	-	627.79
	05/20/2009	634.73	6.81	627.92	-	-	627.92
	06/25/2009	634.73	5.54	629.19	-	-	629.19
	07/21/2009	634.73	6.86	627.87	-	-	627.87
	08/25/2009	634.73	7.78	626.95	-	-	626.95
	09/15/2009	634.73	8.35	626.38	8.26	0.09	626.45
	10/14/2009	634.73	9.73	625.00	9.62	0.11	625.08
	11/10/2009	634.73	8.72	626.01	-	-	626.01
	12/14/2009	634.73	7.84	626.89	7.53	0.31	627.13
	01/11/2010	634.73	9.51	625.22	-	-	625.22
	02/10/2010	634.73	8.57	626.16	-	-	626.16
	03/10/2010	634.73	9.56	625.17	-	-	625.17
	04/14/2010	634.73	9.03	625.70	-	-	625.70
	05/12/2010	634.73	9.49	625.24	-	-	625.24
	06/17/2010	634.73	9.82	624.91	-	-	624.91
	07/14/2010	634.73	9.68	625.05	-	-	625.05
	08/09/2010	634.73	9.33	625.40	-	-	625.40
	09/16/2010	634.73	9.21	625.52	-	-	625.52
	10/13/2010	634.73	7.80	626.93	-	-	626.93
	11/16/2010	634.73	8.55	626.18	-	-	626.18
	12/16/2010	634.73	NR	-	NR	-	-
	01/13/2011	634.73	NR	-	NR	-	-

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	03/14/2011	634.73	NR	-	NR	-	-
	04/12/2011	634.73	NR	-	NR	-	-
1595-4-4S	11/30/2005	637.64	10.70	626.94	10.03	0.67	627.45
	01/26/2006	637.64	9.86	627.78	8.20	1.66	629.04
	03/29/2006	637.64	10.14	627.50	-	-	627.50
	03/30/2006	637.64	8.86	628.78	8.51	0.35	629.05
	04/10/2006	637.64	9.58	628.06	8.67	0.91	628.75
	05/11/2006	637.64	9.89	627.75	9.00	0.89	628.43
	07/01/2008	637.64	9.75	627.89	9.65	0.10	627.97
	09/18/2008	637.64	10.30	627.34	-	-	627.34
	10/23/2008	637.64	10.43	627.21	-	-	627.21
	12/30/2008	637.64	8.33	629.31	-	-	629.31
	01/29/2009	637.64	7.91	629.73	-	-	629.73
	02/24/2009	637.64	7.91	629.73	-	-	629.73
	03/27/2009	637.64	7.52	630.12	-	-	630.12
	04/28/2009	637.64	9.08	628.56	9.02	0.06	628.61
	05/20/2009	637.64	7.28	630.36	-	-	630.36
	06/25/2009	637.64	7.80	629.84	7.30	0.50	630.22
	07/21/2009	637.64	9.17	628.47	-	-	628.47
	08/25/2009	637.64	10.10	627.54	-	-	627.54
	09/15/2009	637.64	10.67	626.97	10.65	0.02	626.99
	10/14/2009	637.64	11.99	625.65	11.86	0.13	625.75
	11/10/2009	637.64	11.09	626.55	10.61	0.48	626.91
	12/14/2009	637.64	11.21	626.43	-	-	626.43
	01/11/2010	637.64	11.63	626.01	11.61	0.02	626.03
	02/10/2010	637.64	11.16	626.48	-	-	626.48
	03/10/2010	637.64	12.03	625.61	-	-	625.61
	04/14/2010	637.64	11.39	626.25	-	-	626.25
	05/12/2010	637.64	11.90	625.74	-	-	625.74
	06/17/2010	637.64	12.23	625.41	-	-	625.41
	07/14/2010	637.64	12.11	625.53	-	-	625.53
	08/09/2010	637.64	11.74	625.90	-	-	625.90
	09/16/2010	637.64	12.24	625.40	-	-	625.40
	10/13/2010	637.64	10.14	627.50	-	-	627.50
11/16/2010	637.64	10.87	626.77	-	-	626.77	
12/16/2010	637.64	NR	NR	-	NR	-	
01/13/2011	637.64	NR	NR	-	NR	-	
03/14/2011	637.64	NR	NR	-	NR	-	
04/12/2011	637.64	NR	NR	-	NR	-	
1595-4-5S	11/30/2005	636.66	10.00	626.66	-	-	626.66
	01/26/2006	636.66	9.08	627.58	-	-	627.58
	03/29/2006	636.66	NR	-	NR	-	-
	03/30/2006	636.66	NR	-	NR	-	-
	04/10/2006	636.66	9.45	627.21	-	-	627.21
	05/11/2006	636.66	9.99	626.67	9.78	0.21	626.83
	07/01/2008	636.66	9.50	627.16	-	-	627.16
	09/18/2008	636.66	10.05	626.61	-	-	626.61
	10/23/2008	636.66	10.28	626.38	-	-	626.38
	12/30/2008	636.66	7.38	629.28	-	-	629.28
	01/29/2009	636.66	7.84	628.82	-	-	628.82
	02/24/2009	636.66	8.61	628.05	-	-	628.05
	03/27/2009	636.66	7.92	628.74	7.52	0.40	629.04
	04/28/2009	636.66	8.99	627.67	-	-	627.67
	05/20/2009	636.66	8.82	627.84	-	-	627.84
	06/25/2009	636.66	8.32	628.34	-	-	628.34
07/21/2009	636.66	9.26	627.40	-	-	627.40	
08/25/2009	636.66	10.05	626.61	-	-	626.61	
09/15/2009	636.66	10.66	626.00	10.65	0.01	626.01	
10/14/2009	636.66	11.69	624.97	11.61	0.08	625.03	

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	11/10/2009	636.66	10.82	625.84	-	-	625.84
	12/14/2009	636.66	10.96	625.70	-	-	625.70
	01/11/2010	636.66	11.13	625.53	11.10	0.03	625.55
	02/10/2010	636.66	10.68	625.98	-	-	625.98
	03/10/2010	636.66	11.02	625.64	-	-	625.64
	04/14/2010	636.66	10.61	626.05	-	-	626.05
	05/12/2010	636.66	11.05	625.61	-	-	625.61
	06/17/2010	636.66	11.39	625.27	-	-	625.27
	07/14/2010	636.66	11.29	625.37	-	-	625.37
	08/09/2010	636.66	10.97	625.69	-	-	625.69
	09/16/2010	636.66	11.42	625.24	-	-	625.24
	10/13/2010	636.66	9.63	627.03	-	-	627.03
	11/16/2010	636.66	10.15	626.51	-	-	626.51
	12/16/2010	636.66	NR	-	NR	-	-
	01/13/2011	636.66	NR	-	NR	-	-
	03/14/2011	636.66	NR	-	NR	-	-
	04/12/2011	636.66	NR	-	NR	-	-
1595-4-6S	11/30/2005	637.66	10.09	627.57	-	-	627.57
	01/26/2006	637.66	9.02	628.64	-	-	628.64
	03/29/2006	637.66	NR	-	NR	-	-
	03/30/2006	637.66	NR	-	NR	-	-
	04/10/2006	637.66	9.44	628.22	-	-	628.22
	05/11/2006	637.66	9.76	627.90	-	-	627.90
	07/01/2008	637.66	10.25	627.41	-	-	627.41
	09/18/2008	637.66	9.89	627.77	-	-	627.77
	10/23/2008	637.66	10.40	627.26	-	-	627.26
	12/30/2008	637.66	6.72	630.94	-	-	630.94
	01/29/2009	637.66	8.60	629.06	-	-	629.06
	02/24/2009	637.66	8.76	628.90	-	-	628.90
	03/27/2009	637.66	7.82	629.84	-	-	629.84
	04/28/2009	637.66	8.79	628.87	-	-	628.87
	05/20/2009	637.66	8.19	629.47	-	-	629.47
	06/25/2009	637.66	8.91	628.75	-	-	628.75
	07/21/2009	637.66	9.41	628.25	-	-	628.25
	08/25/2009	637.66	10.30	627.36	-	-	627.36
	09/15/2009	637.66	10.68	626.98	-	-	626.98
	10/14/2009	637.66	11.65	626.01	-	-	626.01
	11/10/2009	637.66	11.16	626.50	-	-	626.50
	12/14/2009	637.66	10.87	626.79	-	-	626.79
	01/11/2010	637.66	12.06	625.60	-	-	625.60
	02/10/2010	637.66	11.66	626.00	-	-	626.00
	03/10/2010	637.66	11.69	625.97	-	-	625.97
	04/14/2010	637.66	11.48	626.18	-	-	626.18
	05/12/2010	637.66	11.97	625.69	-	-	625.69
	06/17/2010	637.66	12.31	625.35	-	-	625.35
	07/14/2010	637.66	12.18	625.48	-	-	625.48
	08/09/2010	637.66	11.81	625.85	-	-	625.85
	09/16/2010	637.66	12.32	625.34	-	-	625.34
	10/13/2010	637.66	10.58	627.08	-	-	627.08
	11/16/2010	637.66	10.98	626.68	-	-	626.68
	12/16/2010	637.66	NR	-	NR	-	-
	01/13/2011	637.66	NR	-	NR	-	-
	03/14/2011	637.66	NR	-	NR	-	-
	04/12/2011	637.66	NR	-	NR	-	-
1595-5-1S	11/30/2005	638.53	9.72	628.81	-	-	628.81
	01/26/2006	638.53	8.89	629.64	-	-	629.64
	03/29/2006	638.53	NR	-	NR	-	-
	03/30/2006	638.53	NR	-	NR	-	-
	04/10/2006	638.53	9.32	629.21	-	-	629.21

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	05/11/2006	638.53	9.69	628.84	-	-	628.84
	07/01/2008	638.53	10.15	628.38	-	-	628.38
1595-5-2S	11/30/2005	639.28	10.62	628.66	-	-	628.66
	01/26/2006	639.28	9.66	629.62	-	-	629.62
	03/29/2006	639.28	NR	-	NR	-	-
	03/30/2006	639.28	NR	-	NR	-	-
	04/10/2006	639.28	10.05	629.23	-	-	629.23
	05/11/2006	639.28	10.39	628.89	-	-	628.89
	07/01/2008	639.28	10.90	628.38	-	-	628.38
1595-5-3S	11/30/2005	639.57	11.04	628.53	-	-	628.53
	01/26/2006	639.57	10.09	629.48	-	-	629.48
	03/29/2006	639.57	NR	-	NR	-	-
	03/30/2006	639.57	NR	-	NR	-	-
	04/10/2006	639.57	10.46	629.11	-	-	629.11
	05/11/2006	639.57	10.81	628.76	-	-	628.76
	07/01/2008	639.57	11.25	628.32	-	-	628.32
1595-5-4S	11/30/2005	639.73	11.09	628.64	-	-	628.64
	01/26/2006	639.73	10.05	629.68	-	-	629.68
	03/29/2006	639.73	NR	-	NR	-	-
	03/30/2006	639.73	NR	-	NR	-	-
	04/10/2006	639.73	10.45	629.28	-	-	629.28
	05/11/2006	639.73	10.78	628.95	-	-	628.95
	07/01/2008	639.73	11.20	628.53	-	-	628.53
1595-5-5S	11/30/2005	639.84	11.27	628.57	-	-	628.57
	01/26/2006	639.84	10.10	629.74	-	-	629.74
	03/29/2006	639.84	NR	-	NR	-	-
	03/30/2006	639.84	NR	-	NR	-	-
	04/10/2006	639.84	10.50	629.34	-	-	629.34
	05/11/2006	639.84	10.83	629.01	-	-	629.01
	07/01/2008	639.84	11.20	628.64	-	-	628.64
1595-6-1S	11/30/2005	639.23	9.63	629.60	-	-	629.60
	01/26/2006	639.23	8.89	630.34	-	-	630.34
	03/29/2006	639.23	NR	-	NR	-	-
	03/30/2006	639.23	NR	-	NR	-	-
	04/10/2006	639.23	9.28	629.95	-	-	629.95
	05/11/2006	639.23	9.90	629.33	9.62	0.28	629.54
	07/01/2008	639.23	9.05	630.18	-	-	630.18
1595-6-2S	11/30/2005	639.51	9.90	629.61	-	-	629.61
	01/26/2006	639.51	9.06	630.45	-	-	630.45
	03/29/2006	639.51	NR	-	NR	-	-
	03/30/2006	639.51	NR	-	NR	-	-
	04/10/2006	639.51	9.40	630.11	-	-	630.11
	05/11/2006	639.51	9.75	629.76	-	-	629.76
	07/01/2008	639.51	10.10	629.41	-	-	629.41
1595-6-3S	11/30/2005	640.36	10.30	630.06	-	-	630.06
	01/26/2006	640.36	9.35	631.01	-	-	631.01
	03/29/2006	640.36	NR	-	NR	-	-
	03/30/2006	640.36	NR	-	NR	-	-
	04/10/2006	640.36	9.61	630.75	-	-	630.75
	05/11/2006	640.36	9.97	630.39	-	-	630.39
	07/01/2008	640.36	10.35	630.01	-	-	630.01
1595-6-4S	11/30/2005	639.74	9.94	629.80	-	-	629.80
	01/26/2006	639.74	9.12	630.62	-	-	630.62

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	03/29/2006	639.74	NR	-	NR	-	-
	03/30/2006	639.74	NR	-	NR	-	-
	04/10/2006	639.74	9.44	630.30	-	-	630.30
	05/11/2006	639.74	9.79	629.95	-	-	629.95
	07/01/2008	639.74	10.05	629.69	-	-	629.69
1595-6-5S	11/30/2005	640.45	10.19	630.26	-	-	630.26
	01/26/2006	640.45	9.72	630.73	-	-	630.73
	03/29/2006	640.45	NR	-	NR	-	-
	03/30/2006	640.45	NR	-	NR	-	-
	04/10/2006	640.45	9.43	631.02	-	-	631.02
	05/11/2006	640.45	9.80	630.65	-	-	630.65
	07/01/2008	640.45	10.05	630.40	-	-	630.40
1595-6-6S	11/30/2005	640.02	10.38	629.64	-	-	629.64
	01/26/2006	640.02	9.34	630.68	-	-	630.68
	03/29/2006	640.02	NR	-	NR	-	-
	03/30/2006	640.02	NR	-	NR	-	-
	04/10/2006	640.02	9.66	630.36	-	-	630.36
	05/11/2006	640.02	10.03	629.99	-	-	629.99
	07/01/2008	640.02	10.30	629.72	-	-	629.72
1595-MW1A	09/15/2004	NR	13.21	-	-	-	-
	04/19/2005	NR	11.93	-	-	-	-
Well Decommissioned During Construction of AA/SVE System							
1595-MW3	09/07/2004	638.41	15.42	622.99	-	-	622.99
	09/15/2004	638.41	14.93	623.48	-	-	623.48
	10/04/2004	638.41	15.37	623.04	-	-	623.04
	11/08/2004	638.41	15.84	622.57	-	-	622.57
	12/01/2004	638.41	16.03	622.38	-	-	622.38
	01/04/2005	638.41	14.27	624.14	-	-	624.14
	02/01/2005	638.41	14.30	624.11	-	-	624.11
	03/03/2005	638.41	14.84	623.57	-	-	623.57
	04/08/2005	638.41	13.37	625.04	13.29	0.08	625.10
	04/19/2005	638.41	13.39	625.02	-	-	625.02
	05/02/2005	638.41	13.35	625.06	-	-	625.06
	06/08/2005	638.41	9.04	629.37	-	-	629.37
	04/24/2006	638.41	11.95	626.46	-	-	626.46
	10/03/2006	638.41	13.39	625.02	-	-	625.02
	05/22/2007	638.41	11.79	626.62	-	-	626.62
1595-MW3A	09/15/2004	NR	15.71	-	-	-	-
	04/19/2005	NR	14.63	-	-	-	-
	04/24/2006	NR	13.15	-	-	-	-
	10/03/2006	NR	15.84	-	-	-	-
	05/22/2007	NR	12.95	-	-	-	-
1595-MW5	09/15/2004	NR	17.44	-	-	-	-
	04/19/2005	NR	16.27	-	-	-	-
	04/24/2006	NR	14.55	-	-	-	-
	10/03/2006	NR	16.42	-	-	-	-
	05/22/2007	NR	14.29	-	-	-	-
1595-MWD4	09/15/2004	NR	14.63	-	-	-	-
	04/19/2005	NR	13.15	-	-	-	-
	04/24/2006	NR	11.58	-	-	-	-
	10/03/2006	NR	13.80	-	-	-	-
	05/22/2007	NR	12.08	-	-	-	-
1595-MWD5	09/15/2004	NR	10.14	-	-	-	-
	04/19/2005	NR	9.16	-	-	-	-
	04/24/2006	NR	7.29	-	-	-	-



**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	10/03/2006	NR	8.67	-	-	-	-
	5/8/22/2007	NR	7.37	-	-	-	-
1595-MWD6	09/15/2004	NR	20.35	-	-	-	-
	04/19/2005	NR	19.31	-	-	-	-
	04/24/2006	NR	14.49	-	-	-	-
	10/06/2006	NR	19.20	-	-	-	-
	05/22/2007	NR	17.23	-	-	-	-
1595-MWI3	09/15/2004	NR	15.28	-	-	-	-
	04/19/2005	NR	13.87	-	-	-	-
Well Decommissioned During Construction of AA/SVE System							
1595-MWS1	09/15/2004	NR	10.09	-	-	-	-
	04/19/2005	NR	9.21	-	-	-	-
	04/24/2006	NR	8.67	-	-	-	-
	10/03/2006	NR	9.96	-	-	-	-
	05/22/2007	NR	8.58	-	-	-	-
1595-MWS2	09/07/2004	642.18	16.18	626.00	-	-	626.00
	09/15/2004	642.18	15.66	626.52	-	-	626.52
	10/04/2004	642.18	16.19	625.99	-	-	625.99
	11/08/2004	642.18	16.63	625.55	-	-	625.55
	12/01/2004	642.18	16.89	625.29	-	-	625.29
	01/04/2005	642.18	15.36	626.82	-	-	626.82
	02/01/2005	642.18	15.30	626.88	-	-	626.88
	03/03/2005	642.18	15.78	626.40	-	-	626.40
	04/08/2005	642.18	14.85	627.33	-	-	627.33
	04/19/2005	642.18	14.53	627.65	-	-	627.65
	05/02/2005	642.18	14.64	627.54	-	-	627.54
	06/08/2005	642.18	15.19	626.99	-	-	626.99
	04/24/2006	642.18	13.26	628.92	-	-	628.92
	10/03/2006	642.18	15.97	626.21	-	-	626.21
	05/22/2007	642.18	12.99	629.19	-	-	629.19
1595-MWS7	12/05/2002	629.00	10.83	618.17	-	-	618.17
	12/13/2002	629.00	10.56	618.44	-	-	618.44
	12/17/2002	629.00	9.94	619.06	-	-	619.06
	12/23/2002	629.00	10.87	618.13	-	-	618.13
	12/27/2002	629.00	10.81	618.19	-	-	618.19
	01/09/2003	629.00	10.33	618.67	-	-	618.67
	01/22/2003	629.00	11.43	617.57	-	-	617.57
	01/28/2003	629.00	11.47	617.53	-	-	617.53
	02/07/2003	629.00	11.26	617.74	-	-	617.74
	02/12/2003	629.00	11.19	617.81	-	-	617.81
	02/18/2003	629.00	11.17	617.83	-	-	617.83
	09/07/2004	629.00	10.95	618.05	-	-	618.05
	09/15/2004	629.00	10.42	618.58	-	-	618.58
	09/21/2004	629.00	10.78	618.22	-	-	618.22
	10/04/2004	629.00	11.07	617.93	-	-	617.93
	10/19/2004	629.00	9.63	619.37	-	-	619.37
	10/29/2004	629.00	10.34	618.66	-	-	618.66
	11/08/2004	629.00	11.22	617.78	-	-	617.78
	12/01/2004	629.00	11.09	617.91	-	-	617.91
	12/16/2004	629.00	10.43	618.57	-	-	618.57
	12/23/2004	629.00	9.63	619.37	-	-	619.37
	01/04/2005	629.00	9.66	619.34	-	-	619.34
	01/13/2005	629.00	9.91	619.09	-	-	619.09
	02/01/2005	629.00	10.42	618.58	-	-	618.58
	02/23/2005	629.00	10.08	618.92	-	-	618.92
	03/03/2005	629.00	10.21	618.79	-	-	618.79
	03/15/2005	629.00	10.07	618.93	-	-	618.93

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	04/08/2005	629.00	9.13	619.87	-	-	619.87
	04/19/2005	629.00	9.40	619.60	-	-	619.60
	04/21/2005	629.00	9.50	619.50	-	-	619.50
	05/02/2005	629.00	8.36	620.64	-	-	620.64
	05/19/2005	629.00	9.54	619.46	-	-	619.46
	06/08/2005	629.00	9.63	619.37	-	-	619.37
	06/17/2005	629.00	9.66	619.34	-	-	619.34
	04/24/2006	629.00	7.39	621.61	-	-	621.61
	10/03/2006	629.00	8.80	620.20	-	-	620.20
	05/22/2007	629.00	7.49	621.51	-	-	621.51
1595-MWS8	12/05/2002	630.80	11.42	619.38	-	-	619.38
	12/13/2002	630.80	11.22	619.58	-	-	619.58
	12/17/2002	630.80	10.67	620.13	-	-	620.13
	12/23/2002	630.80	11.38	619.42	-	-	619.42
	12/27/2002	630.80	NR	-	NR	-	-
	01/09/2003	630.80	10.79	620.01	-	-	620.01
	01/22/2003	630.80	11.76	619.04	-	-	619.04
	01/28/2003	630.80	11.83	618.97	-	-	618.97
	02/07/2003	630.80	11.75	619.05	-	-	619.05
	02/12/2003	630.80	11.73	619.07	-	-	619.07
	02/18/2003	630.80	11.63	619.17	-	-	619.17
	09/07/2004	630.80	11.29	619.51	-	-	619.51
	09/15/2004	630.80	10.61	620.19	-	-	620.19
	09/21/2004	630.80	11.08	619.72	-	-	619.72
	10/04/2004	630.80	11.39	619.41	-	-	619.41
	10/19/2004	630.80	10.32	620.48	-	-	620.48
	10/29/2004	630.80	10.87	619.93	-	-	619.93
	12/01/2004	630.80	11.47	619.33	-	-	619.33
	12/16/2004	630.80	10.71	620.09	-	-	620.09
	12/23/2004	630.80	10.21	620.59	-	-	620.59
	01/04/2005	630.80	10.10	620.70	9.92	0.18	620.84
	01/13/2005	630.80	10.33	620.47	10.22	0.11	620.55
	02/01/2005	630.80	10.55	620.25	10.54	0.01	620.26
	02/23/2005	630.80	10.43	620.37	10.42	0.01	620.38
	03/03/2005	630.80	10.60	620.20	10.58	0.02	620.22
	03/15/2005	630.80	10.47	620.33	-	-	620.33
	04/08/2005	630.80	9.36	621.44	9.26	0.10	621.52
	04/19/2005	630.80	9.90	620.90	9.45	0.45	621.24
	04/21/2005	630.80	10.05	620.75	9.57	0.48	621.11
	05/02/2005	630.80	8.88	621.92	8.74	0.14	622.03
	05/19/2005	630.80	9.76	621.04	9.66	0.10	621.12
	06/08/2005	630.80	9.83	620.97	9.81	0.02	620.99
	06/17/2005	630.80	9.98	620.82	-	-	620.82
	04/24/2006	630.80	7.57	623.23	-	-	623.23
	10/03/2006	630.80	9.36	621.44	-	-	621.44
	05/22/2007	630.80	7.53	623.27	-	-	623.27
	09/18/2008	630.80	NR	-	NR	-	-
	10/23/2008	630.80	NR	-	NR	-	-
	12/30/2008	630.80	NR	-	NR	-	-
	01/29/2009	630.80	7.47	623.33	-	-	623.33
1595-MWS9	12/05/2002	623.20	6.10	617.10	-	-	617.10
	12/13/2002	623.20	6.12	617.08	-	-	617.08
	12/17/2002	623.20	5.55	617.65	-	-	617.65
	12/23/2002	623.20	6.00	617.20	-	-	617.20
	12/27/2002	623.20	5.99	617.21	-	-	617.21
	01/09/2003	623.20	5.73	617.47	-	-	617.47
	01/22/2003	623.20	6.42	616.78	-	-	616.78
	01/28/2003	623.20	6.49	616.71	-	-	616.71
	02/07/2003	623.20	6.34	616.86	-	-	616.86

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	02/12/2003	623.20	6.29	616.91	-	-	616.91
	02/18/2003	623.20	6.29	616.91	-	-	616.91
	09/07/2004	623.20	6.13	617.07	-	-	617.07
	09/15/2004	623.20	5.69	617.51	-	-	617.51
	09/21/2004	623.20	5.94	617.26	-	-	617.26
	10/04/2004	623.20	6.19	617.01	-	-	617.01
	10/19/2004	623.20	5.32	617.88	-	-	617.88
	10/29/2004	623.20	5.79	617.41	-	-	617.41
	11/08/2004	623.20	6.32	616.88	-	-	616.88
	12/01/2004	623.20	6.06	617.14	-	-	617.14
	12/16/2004	623.20	5.59	617.61	-	-	617.61
	12/23/2004	623.20	5.26	617.94	-	-	617.94
	01/04/2005	623.20	5.09	618.11	-	-	618.11
	01/13/2005	623.20	5.31	617.89	-	-	617.89
	02/01/2005	623.20	5.66	617.54	-	-	617.54
	02/23/2005	623.20	5.47	617.73	-	-	617.73
	03/03/2005	623.20	5.58	617.62	-	-	617.62
	03/15/2005	623.20	5.46	617.74	-	-	617.74
	04/08/2005	623.20	4.75	618.45	-	-	618.45
	04/19/2005	623.20	4.96	618.24	-	-	618.24
	04/21/2005	623.20	5.01	618.19	-	-	618.19
	05/02/2005	623.20	4.45	618.75	-	-	618.75
	05/19/2005	623.20	5.04	618.16	-	-	618.16
	06/08/2005	623.20	5.11	618.09	-	-	618.09
	06/17/2005	623.20	5.13	618.07	-	-	618.07
	04/24/2006	623.20	3.86	619.34	-	-	619.34
	10/03/2006	623.20	4.80	618.40	-	-	618.40
	05/22/2007	623.20	4.02	619.18	-	-	619.18
1595-MW33	09/15/2004	NR	12.45	-	-	-	-
	04/19/2005	NR	11.25	-	-	-	-
	04/24/2006	NR	9.87	-	-	-	-
	10/03/2006	NR	12.56	-	-	-	-
	05/22/2007	NR	9.71	-	-	-	-
1595-MW34	09/15/2004	NR	15.39	-	-	-	-
	04/19/2005	NR	14.20	-	-	-	-
	04/24/2006	NR	12.78	-	-	-	-
	10/03/2006	NR	15.50	-	-	-	-
	05/22/2007	NR	12.61	-	-	-	-
1595-MW35	09/15/2004	NR	14.66	-	-	-	-
	04/19/2005	NR	14.79	-	-	-	-
	04/24/2006	NR	12.25	-	-	-	-
	10/03/2006	NR	15.22	-	-	-	-
	05/22/2007	NR	11.92	-	-	-	-
1595-OBG1	09/15/2004	NR	18.91	-	-	-	-
	04/19/2005	NR	17.63	-	-	-	-
	04/24/2006	NR	16.06	-	-	-	-
	10/03/2006	NR	18.13	-	-	-	-
	05/22/2007	NR	15.47	-	-	-	-
1595-OBG2	12/05/2002	637.98	14.70	623.28	-	-	623.28
	12/13/2002	637.98	14.57	623.41	-	-	623.41
	12/17/2002	637.98	14.83	623.15	-	-	623.15
	12/23/2002	637.98	14.30	623.68	-	-	623.68
	12/27/2002	637.98	16.88	621.10	-	-	621.10
	01/09/2003	637.98	14.08	623.90	-	-	623.90
	01/22/2003	637.98	NR	-	NR	-	-
	01/28/2003	637.98	NR	-	NR	-	-

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	02/07/2003	637.98	NR	-	NR	-	-
	02/12/2003	637.98	NR	-	NR	-	-
	09/07/2004	637.98	13.82	624.16	-	-	624.16
	09/15/2004	637.98	13.28	624.70	-	-	624.70
	09/21/2004	637.98	13.44	624.54	-	-	624.54
	10/04/2004	637.98	13.79	624.19	-	-	624.19
	10/19/2004	637.98	13.82	624.16	-	-	624.16
	10/29/2004	637.98	14.08	623.90	-	-	623.90
	11/08/2004	637.98	14.40	623.58	-	-	623.58
	12/01/2004	637.98	14.47	623.51	-	-	623.51
	12/16/2004	637.98	13.59	624.39	13.25	0.34	624.65
	12/23/2004	637.98	13.50	624.48	13.06	0.44	624.81
	01/04/2005	637.98	12.80	625.18	12.78	0.02	625.20
	01/13/2005	637.98	12.94	625.04	12.75	0.19	625.18
	02/01/2005	637.98	12.84	625.14	12.70	0.14	625.25
	02/23/2005	637.98	13.05	624.93	-	-	624.93
	03/03/2005	637.98	13.23	624.75	-	-	624.75
	03/15/2005	637.98	13.26	624.72	-	-	624.72
	04/08/2005	637.98	12.06	625.92	11.88	0.18	626.06
	04/19/2005	637.98	12.26	625.72	11.80	0.46	626.07
	04/21/2005	637.98	12.45	625.53	11.90	0.55	625.95
	05/02/2005	637.98	11.98	626.00	11.92	0.06	626.05
	05/19/2005	637.98	12.18	625.80	12.07	0.11	625.88
	06/08/2005	637.98	12.47	625.51	-	-	625.51
	06/17/2005	637.98	12.73	625.25	-	-	625.25
	04/24/2006	637.98	10.86	627.12	10.67	0.19	627.26
	10/03/2006	637.98	12.32	625.66	-	-	625.66
	05/22/2007	637.98	10.63	627.35	10.44	0.19	627.49
	04/28/2009	637.98	10.00	627.98	9.99	0.01	627.99
	05/20/2009	637.98	9.85	628.13	-	-	628.13
	06/25/2009	637.98	10.34	627.64	-	-	627.64
	07/21/2009	637.98	11.23	626.75	11.01	0.22	626.92
	08/25/2009	637.98	11.78	626.20	Sheen	-	626.20
	09/15/2009	637.98	12.34	625.64	-	-	625.64
	10/14/2009	637.98	12.67	625.31	-	-	625.31
	11/10/2009	637.98	12.63	625.35	-	-	625.35
	12/14/2009	637.98	12.77	625.21	-	-	625.21
	01/11/2010	637.98	12.99	624.99	-	-	624.99
	02/10/2010	637.98	12.56	625.42	-	-	625.42
	03/10/2010	637.98	13.16	624.82	-	-	624.82
	04/14/2010	637.98	12.51	625.47	-	-	625.47
	05/12/2010	637.98	12.96	625.02	-	-	625.02
	06/17/2010	637.98	13.31	624.67	-	-	624.67
	07/14/2010	637.98	13.19	624.79	-	-	624.79
	08/09/2010	637.98	12.81	625.17	-	-	625.17
	09/16/2010	637.98	13.24	624.74	-	-	624.74
	10/13/2010	637.98	10.84	627.14	-	-	627.14
	11/16/2010	637.98	12.02	625.96	11.98	0.04	626.00
	12/16/2010	637.98	NR	-	NR	-	-
	01/13/2011	637.98	NR	-	NR	-	-
	03/14/2011	637.98	NR	-	NR	-	-
	04/12/2011	637.98	NR	-	NR	-	-
1595-OBG3	12/05/2002	636.87	15.92	620.95	-	-	620.95
	12/13/2002	636.87	15.70	621.17	-	-	621.17
	12/17/2002	636.87	15.23	621.64	-	-	621.64
	12/23/2002	636.87	15.48	621.39	-	-	621.39
	12/27/2002	636.87	15.27	621.60	-	-	621.60
	01/09/2003	636.87	14.95	621.92	-	-	621.92
	01/22/2003	636.87	15.66	621.21	-	-	621.21
	01/28/2003	636.87	15.76	621.11	-	-	621.11

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	02/07/2003	636.87	15.90	620.97	-	-	620.97
	02/12/2003	636.87	15.83	621.04	-	-	621.04
	02/18/2003	636.87	15.78	621.09	-	-	621.09
	09/07/2004	636.87	15.29	621.58	-	-	621.58
	09/15/2004	636.87	14.68	622.19	-	-	622.19
	09/21/2004	636.87	14.97	621.90	-	-	621.90
	10/04/2004	636.87	15.32	621.55	-	-	621.55
	10/19/2004	636.87	14.85	622.02	-	-	622.02
	10/29/2004	636.87	15.23	621.64	-	-	621.64
	11/08/2004	636.87	15.78	621.09	-	-	621.09
	12/01/2004	636.87	15.75	621.12	-	-	621.12
	12/16/2004	636.87	14.57	622.30	-	-	622.30
	12/23/2004	636.87	14.41	622.46	-	-	622.46
	01/04/2005	636.87	14.00	622.87	-	-	622.87
	01/13/2005	636.87	14.19	622.68	-	-	622.68
	02/01/2005	636.87	14.29	622.58	-	-	622.58
	02/23/2005	636.87	14.46	622.41	-	-	622.41
	03/03/2005	636.87	14.65	622.22	-	-	622.22
	03/15/2005	636.87	14.60	622.27	-	-	622.27
	04/08/2005	636.87	13.11	623.76	-	-	623.76
	04/19/2005	636.87	13.31	623.56	-	-	623.56
	04/21/2005	636.87	13.43	623.44	13.42	0.01	623.45
	05/02/2005	636.87	13.08	623.79	-	-	623.79
	05/19/2005	636.87	14.55	622.32	14.54	0.01	622.33
	06/08/2005	636.87	13.79	623.08	-	-	623.08
	06/17/2005	636.87	14.05	622.82	-	-	622.82
	04/24/2006	636.87	11.74	625.13	-	-	625.13
	10/03/2006	636.87	13.92	622.95	-	-	622.95
	05/22/2007	636.87	11.64	625.23	-	-	625.23
1595-OBG4	09/15/2004	NR	17.16	-	-	-	-
	04/19/2005	NR	15.91	-	-	-	-
	04/24/2006	NR	14.46	-	-	-	-
	10/03/2006	NR	17.11	-	-	-	-
	05/22/2007	NR	14.03	-	-	-	-
1595-OBG5	09/15/2004	NR	15.53	-	-	-	-
	04/19/2005	NR	14.66	-	-	-	-
	04/24/2006	NR	13.66	-	-	-	-
	10/03/2006	NR	15.22	-	-	-	-
	05/22/2007	NR	13.50	-	-	-	-
1595-OBG6	09/15/2004	NR	9.26	-	-	-	-
	04/19/2005	NR	8.35	-	-	-	-
	04/24/2006	NR	7.11	-	-	-	-
	10/03/2006	NR	8.66	-	-	-	-
	05/22/2007	NR	7.18	-	-	-	-
1595-OBG7	09/15/2004	NR	6.80	-	-	-	-
	04/19/2005	NR	6.25	-	-	-	-
	04/24/2006	NR	5.91	-	-	-	-
	10/03/2006	NR	6.53	-	-	-	-
	05/22/2007	NR	5.96	-	-	-	-
1595-OBG8	09/15/2004	NR	9.29	-	-	-	-
	04/19/2005	NR	8.08	-	-	-	-
	04/24/2006	NR	6.82	-	-	-	-
	10/03/2006	NR	9.44	-	-	-	-
	05/22/2007	NR	6.87	-	-	-	-
1595-OBG9	09/15/2004	NR	10.17	-	-	-	-
	04/19/2005	NR	9.04	-	-	-	-

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	04/24/2006	NR	7.88	-	-	-	-
	10/03/2006	NR	10.69	-	-	-	-
	05/22/2007	NR	7.81	-	-	-	-
1595-PZ1	12/05/2002	631.53	13.38	618.15	-	-	618.15
	12/13/2002	631.53	13.11	618.42	-	-	618.42
	12/17/2002	631.53	12.32	619.21	-	-	619.21
	12/23/2002	631.53	13.63	617.90	-	-	617.90
	12/27/2002	631.53	13.54	617.99	-	-	617.99
	01/09/2003	631.53	12.89	618.64	-	-	618.64
	01/22/2003	631.53	14.00	617.53	-	-	617.53
	01/28/2003	631.53	14.10	617.43	-	-	617.43
	02/07/2003	631.53	13.84	617.69	-	-	617.69
	02/12/2003	631.53	13.61	617.92	-	-	617.92
	02/18/2003	631.53	13.74	617.79	-	-	617.79
	09/07/2004	631.53	13.56	617.97	-	-	617.97
	09/15/2004	631.53	13.09	618.44	-	-	618.44
	09/21/2004	631.53	13.47	618.06	-	-	618.06
	10/04/2004	631.53	13.63	617.90	-	-	617.90
	10/19/2004	631.53	12.02	619.51	-	-	619.51
	10/29/2004	631.53	12.66	618.87	-	-	618.87
	11/08/2004	631.53	13.91	617.62	-	-	617.62
	12/01/2004	631.53	13.82	617.71	-	-	617.71
	12/16/2004	631.53	13.15	618.38	-	-	618.38
	12/23/2004	631.53	12.06	619.47	-	-	619.47
	01/04/2005	631.53	12.32	619.21	-	-	619.21
	01/13/2005	631.53	12.60	618.93	-	-	618.93
	02/01/2005	631.53	12.99	618.54	-	-	618.54
	02/23/2005	631.53	12.66	618.87	-	-	618.87
	03/03/2005	631.53	12.74	618.79	-	-	618.79
	03/15/2005	631.53	12.54	618.99	-	-	618.99
	04/08/2005	631.53	11.69	619.84	-	-	619.84
	04/19/2005	631.53	11.94	619.59	-	-	619.59
	04/21/2005	631.53	12.05	619.48	-	-	619.48
	05/02/2005	631.53	10.64	620.89	-	-	620.89
	05/19/2005	631.53	12.08	619.45	-	-	619.45
	06/08/2005	631.53	12.13	619.40	-	-	619.40
	06/17/2005	631.53	12.21	619.32	-	-	619.32
	04/24/2006	631.53	9.66	621.87	-	-	621.87
	10/03/2006	631.53	11.15	620.38	-	-	620.38
	05/22/2007	631.53	9.68	621.85	-	-	621.85
1595-PZ2	12/05/2002	630.46	12.58	617.88	-	-	617.88
	12/13/2002	630.46	12.32	618.14	-	-	618.14
	12/17/2002	630.46	11.58	618.88	-	-	618.88
	12/23/2002	630.46	12.79	617.67	-	-	617.67
	12/27/2002	630.46	12.72	617.74	-	-	617.74
	01/09/2003	630.46	12.11	618.35	-	-	618.35
	01/22/2003	630.46	13.22	617.24	-	-	617.24
	01/28/2003	630.46	DRY	-	DRY	-	-
	02/07/2003	630.46	13.03	617.43	-	-	617.43
	02/12/2003	630.46	12.96	617.50	-	-	617.50
	02/18/2003	630.46	12.94	617.52	-	-	617.52
	09/07/2004	630.46	12.79	617.67	-	-	617.67
	09/15/2004	630.46	12.31	618.15	-	-	618.15
	09/21/2004	630.46	12.65	617.81	-	-	617.81
	10/04/2004	630.46	12.84	617.62	-	-	617.62
	10/19/2004	630.46	11.28	619.18	-	-	619.18
	10/29/2004	630.46	11.97	618.49	-	-	618.49
	11/08/2004	630.46	13.07	617.39	-	-	617.39
	12/01/2004	630.46	12.97	617.49	-	-	617.49

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	12/16/2004	630.46	12.35	618.11	-	-	618.11
	12/23/2004	630.46	11.34	619.12	-	-	619.12
	01/04/2005	630.46	11.56	618.90	-	-	618.90
	01/13/2005	630.46	11.82	618.64	-	-	618.64
	02/01/2005	630.46	12.25	618.21	-	-	618.21
	02/23/2005	630.46	11.90	618.56	-	-	618.56
	03/03/2005	630.46	11.99	618.47	-	-	618.47
	03/15/2005	630.46	11.81	618.65	-	-	618.65
	04/08/2005	630.46	11.00	619.46	-	-	619.46
	04/19/2005	630.46	11.25	619.21	-	-	619.21
	04/21/2005	630.46	11.33	619.13	-	-	619.13
	05/02/2005	630.46	10.02	620.44	-	-	620.44
	05/19/2005	630.46	11.36	619.10	-	-	619.10
	06/08/2005	630.46	11.40	619.06	-	-	619.06
	06/17/2005	630.46	11.48	618.98	-	-	618.98
	Well Decommissioned During Construction of AA/SVE System						
1595-PZ4	09/16/2004	NR	11.51	-	-	-	-
	04/19/2005	NR	10.30	-	-	-	-
	04/24/2006	NR	8.36	-	-	-	-
	10/03/2006	NR	10.12	-	-	-	-
	05/22/2007	NR	8.32	-	-	-	-
1595-PZ6	09/15/2004	NR	5.87	-	-	-	-
	04/19/2005	NR	5.17	-	-	-	-
Well Decommissioned During Construction of AA/SVE System							
1595-PZ7	09/15/2004	NR	19.21	-	-	-	-
	04/19/2005	NR	18.18	-	-	-	-
	04/24/2006	NR	16.29	-	-	-	-
	10/03/2006	NR	18.00	-	-	-	-
	05/22/2007	NR	16.04	-	-	-	-
1595-PZ8	12/05/2002	630.29	13.90	616.39	-	-	616.39
	12/13/2002	630.29	13.88	616.41	-	-	616.41
	12/17/2002	630.29	13.03	617.26	-	-	617.26
	12/23/2002	630.29	14.13	616.16	-	-	616.16
	12/27/2002	630.29	14.14	616.15	-	-	616.15
	01/09/2003	630.29	13.92	616.37	-	-	616.37
	01/22/2003	630.29	14.31	615.98	-	-	615.98
	01/28/2003	630.29	14.40	615.89	-	-	615.89
	02/07/2003	630.29	14.35	615.94	-	-	615.94
	02/12/2003	630.29	14.32	615.97	-	-	615.97
	02/18/2003	630.29	14.27	616.02	-	-	616.02
	09/07/2004	630.29	13.90	616.39	-	-	616.39
	09/15/2004	630.29	13.65	616.64	-	-	616.64
	09/21/2004	630.29	13.98	616.31	-	-	616.31
	10/04/2004	630.29	14.01	616.28	-	-	616.28
	10/19/2004	630.29	12.72	617.57	-	-	617.57
	10/29/2004	630.29	13.51	616.78	-	-	616.78
	11/08/2004	630.29	14.50	615.79	-	-	615.79
	12/01/2004	630.29	14.41	615.88	-	-	615.88
	12/16/2004	630.29	14.06	616.23	-	-	616.23
	12/23/2004	630.29	12.86	617.43	-	-	617.43
	01/04/2005	630.29	13.15	617.14	-	-	617.14
	01/13/2005	630.29	13.26	617.03	-	-	617.03
	02/01/2005	630.29	13.52	616.77	-	-	616.77
	02/23/2005	630.29	13.52	616.77	-	-	616.77
	03/03/2005	630.29	13.60	616.69	-	-	616.69
03/15/2005	630.29	13.33	616.96	-	-	616.96	
04/08/2005	630.29	12.65	617.64	-	-	617.64	
04/19/2005	630.29	12.80	617.49	-	-	617.49	
04/21/2005	630.29	12.85	617.44	-	-	617.44	

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	05/02/2005	630.29	11.55	618.74	-	-	618.74
	05/19/2005	630.29	12.10	618.19	-	-	618.19
	06/08/2005	630.29	12.12	618.17	-	-	618.17
	06/17/2005	630.29	12.30	617.99	-	-	617.99
	04/24/2006	630.29	7.57	622.72	-	-	622.72
	10/03/2006	630.29	12.01	618.28	-	-	618.28
	05/22/2007	630.29	10.45	619.84	-	-	619.84
1595-PZ9	09/07/2004	630.77	10.67	620.10	-	-	620.10
	09/15/2005	630.77	9.50	621.27	-	-	621.27
	10/04/2004	630.77	10.84	619.93	-	-	619.93
	11/08/2004	630.77	11.43	619.34	-	-	619.34
	12/01/2004	630.77	10.88	619.89	-	-	619.89
	01/04/2005	630.77	9.32	621.45	-	-	621.45
	02/01/2005	630.77	9.91	620.86	-	-	620.86
	03/03/2005	630.77	9.97	620.80	-	-	620.80
	04/08/2005	630.77	8.54	622.23	-	-	622.23
	04/19/2005	630.77	8.89	621.88	-	-	621.88
	05/02/2005	630.77	8.38	622.39	-	-	622.39
	06/08/2005	630.77	9.31	621.46	-	-	621.46
	04/24/2006	630.77	7.78	622.99	-	-	622.99
	10/03/2006	630.77	9.08	621.69	-	-	621.69
	05/22/2007	630.77	7.22	623.55	-	-	623.55
1595-PZ10	09/07/2004	640.33	16.59	623.74	-	-	623.74
	09/15/2005	640.33	16.12	624.21	-	-	624.21
	10/04/2004	640.33	16.54	623.79	-	-	623.79
	11/08/2004	640.33	17.13	623.20	-	-	623.20
	12/01/2004	640.33	17.26	623.07	-	-	623.07
	01/04/2005	640.33	15.59	624.74	-	-	624.74
	02/01/2005	640.33	15.49	624.84	-	-	624.84
	03/03/2005	640.33	16.01	624.32	-	-	624.32
	04/08/2005	640.33	14.71	625.62	-	-	625.62
	04/19/2005	640.33	14.67	625.66	-	-	625.66
	05/02/2005	640.33	14.73	625.60	-	-	625.60
	06/08/2005	640.33	15.23	625.10	-	-	625.10
	04/24/2006	640.33	13.29	627.04	-	-	627.04
	10/03/2006	640.33	15.87	624.46	-	-	624.46
	05/22/2007	640.33	13.03	627.30	-	-	627.30
1595-PZ11	12/05/2002	639.63	17.60	622.03	-	-	622.03
	12/13/2002	639.63	17.40	622.23	-	-	622.23
	12/17/2002	639.63	16.95	622.68	-	-	622.68
	12/23/2002	639.63	17.06	622.57	-	-	622.57
	12/27/2002	639.63	16.78	622.85	-	-	622.85
	01/09/2003	639.63	16.48	623.15	-	-	623.15
	01/22/2003	639.63	16.99	622.64	-	-	622.64
	01/28/2003	639.63	17.09	622.54	-	-	622.54
	02/07/2003	639.63	17.40	622.23	-	-	622.23
	02/12/2003	639.63	17.06	622.57	-	-	622.57
	02/18/2003	639.63	17.30	622.33	-	-	622.33
	09/07/2004	639.63	16.64	622.99	-	-	622.99
	09/15/2004	639.63	16.21	623.42	-	-	623.42
	09/21/2004	639.63	16.35	623.28	-	-	623.28
	10/04/2004	639.63	16.59	623.04	-	-	623.04
	10/19/2004	639.63	16.48	623.15	-	-	623.15
	10/29/2004	639.63	16.79	622.84	-	-	622.84
	11/08/2004	639.63	17.22	622.41	-	-	622.41
	12/01/2004	639.63	17.27	622.36	-	-	622.36
	12/16/2004	639.63	16.07	623.56	-	-	623.56
	12/23/2004	639.63	15.89	623.74	-	-	623.74



**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	01/04/2005	639.63	15.55	624.08	-	-	624.08
	01/13/2005	639.63	15.59	624.04	-	-	624.04
	02/01/2005	639.63	15.52	624.11	-	-	624.11
	02/23/2005	639.63	15.89	623.74	-	-	623.74
	03/03/2005	639.63	16.08	623.55	-	-	623.55
	03/15/2005	639.63	16.08	623.55	-	-	623.55
	04/08/2005	639.63	14.57	625.06	-	-	625.06
	04/19/2005	639.63	14.63	625.00	-	-	625.00
	04/21/2005	639.63	14.72	624.91	-	-	624.91
	05/02/2005	639.63	14.62	625.01	-	-	625.01
	05/19/2005	639.63	14.84	624.79	-	-	624.79
	06/08/2005	639.63	15.18	624.45	-	-	624.45
	06/17/2005	639.63	15.45	624.18	-	-	624.18
	04/24/2006	639.63	13.22	626.41	-	-	626.41
	10/03/2006	639.63	15.65	623.98	-	-	623.98
	05/22/2007	639.63	13.04	626.59	-	-	626.59
1595-PZ12	09/07/2004	637.87	15.52	622.35	-	-	622.35
	09/15/2005	637.87	15.01	622.86	-	-	622.86
	10/04/2004	637.87	15.52	622.35	-	-	622.35
	11/08/2004	637.87	16.03	621.84	-	-	621.84
	12/01/2004	637.87	16.27	621.60	-	-	621.60
	01/04/2005	637.87	14.76	623.11	-	-	623.11
	02/01/2005	637.87	14.56	623.31	-	-	623.31
	03/03/2005	637.87	15.03	622.84	-	-	622.84
	04/08/2005	637.87	14.18	623.69	-	-	623.69
	04/19/2005	637.87	5.87	632.00	-	-	632.00
	05/02/2005	637.87	13.92	623.95	-	-	623.95
	06/08/2005	637.87	14.44	623.43	-	-	623.43
	04/24/2006	637.87	12.41	625.46	-	-	625.46
	10/03/2006	637.87	15.16	622.71	-	-	622.71
	05/22/2007	637.87	12.08	625.79	-	-	625.79
1595-PZ13	09/07/2004	654.40	11.82	642.58	-	-	642.58
	09/15/2005	654.40	11.99	642.41	-	-	642.41
	10/04/2004	654.40	11.83	642.57	-	-	642.57
	11/08/2004	654.40	12.34	642.06	-	-	642.06
	01/04/2005	654.40	11.16	643.24	-	-	643.24
	02/01/2005	654.40	10.96	643.44	-	-	643.44
	04/08/2005	654.40	10.64	643.76	-	-	643.76
	04/19/2005	654.40	10.20	644.20	-	-	644.20
	05/02/2005	654.40	10.21	644.19	-	-	644.19
	06/08/2005	654.40	10.81	643.59	-	-	643.59
	04/24/2006	654.40	8.70	645.70	-	-	645.70
	10/03/2006	654.40	11.60	642.80	-	-	642.80
	05/22/2007	654.40	8.35	646.05	-	-	646.05
1595-RW1	12/05/2002	631.30	16.33	614.97	-	-	614.97
	12/13/2002	631.30	15.21	616.09	-	-	616.09
	12/17/2002	631.30	12.42	618.88	-	-	618.88
	12/23/2002	631.30	27.82	603.48	-	-	603.48
	12/27/2002	631.30	25.97	605.33	-	-	605.33
	01/09/2003	631.30	15.47	615.83	-	-	615.83
	01/22/2003	631.30	19.31	611.99	-	-	611.99
	01/28/2003	631.30	19.51	611.79	-	-	611.79
	02/07/2003	631.30	17.11	614.19	-	-	614.19
	02/12/2003	631.30	15.59	615.71	15.57	0.02	615.73
	02/18/2003	631.30	18.69	612.61	18.54	0.15	612.72
	09/07/2004	631.30	22.06	609.24	-	-	609.24
	09/14/2004	631.30	22.02	609.28	-	-	609.28
	09/21/2004	631.30	21.29	610.01	-	-	610.01

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	10/04/2004	631.30	18.56	612.74	-	-	612.74
	10/19/2004	631.30	12.12	619.18	-	-	619.18
	10/29/2004	631.30	20.78	610.52	-	-	610.52
	11/08/2004	631.30	19.79	611.51	-	-	611.51
	12/01/2004	631.30	21.86	609.44	-	-	609.44
	12/16/2004	631.30	20.68	610.62	-	-	610.62
	12/23/2004	631.30	12.18	619.12	-	-	619.12
	01/04/2005	631.30	19.53	611.77	-	-	611.77
	01/13/2005	631.30	18.83	612.47	-	-	612.47
	02/01/2005	631.30	19.57	611.73	-	-	611.73
	02/23/2005	631.30	17.21	614.09	-	-	614.09
	03/03/2005	631.30	16.33	614.97	-	-	614.97
	03/15/2005	631.30	15.36	615.94	-	-	615.94
	04/08/2005	631.30	18.06	613.24	-	-	613.24
	04/19/2005	631.30	19.55	611.75	18.78	0.77	612.34
	04/21/2005	631.30	18.70	612.60	17.87	0.83	613.23
	05/02/2005	631.30	10.73	620.57	-	-	620.57
	05/19/2005	631.30	20.62	610.68	20.53	0.09	610.75
	06/08/2005	631.30	22.27	609.03	-	-	609.03
	06/17/2005	631.30	22.41	608.89	-	-	608.89
Well Decommissioned During Construction of AA/SVE System							
1595-RW2	09/15/2004	NR	8.86	-	-	-	-
	04/19/2005	NR	7.82	-	-	-	-
	04/24/2006	NR	6.30	-	-	-	-
	10/03/2006	NR	7.94	-	-	-	-
	05/22/2007	NR	6.40	-	-	-	-
1595-RW3	12/05/2002	628.80	14.79	614.01	-	-	614.01
	12/13/2002	628.80	15.70	613.10	-	-	613.10
	12/17/2002	628.80	10.72	618.08	-	-	618.08
	12/23/2002	628.80	15.26	613.54	-	-	613.54
	12/27/2002	628.80	15.39	613.41	-	-	613.41
	01/09/2003	628.80	16.10	612.70	-	-	612.70
	01/22/2003	628.80	15.85	612.95	-	-	612.95
	01/28/2003	628.80	15.68	613.12	-	-	613.12
	02/07/2003	628.80	16.00	612.80	-	-	612.80
	02/12/2003	628.80	15.81	612.99	-	-	612.99
	02/18/2003	628.80	15.89	612.91	-	-	612.91
	09/07/2004	628.80	14.90	613.90	-	-	613.90
	09/15/2004	628.80	22.50	606.30	-	-	606.30
	09/21/2004	628.80	16.90	611.90	-	-	611.90
	10/04/2004	628.80	15.37	613.43	-	-	613.43
	10/19/2004	628.80	10.42	618.38	-	-	618.38
	10/29/2004	628.80	15.11	613.69	-	-	613.69
	11/08/2004	628.80	17.49	611.31	-	-	611.31
	12/01/2004	628.80	16.84	611.96	-	-	611.96
	12/16/2004	628.80	17.80	611.00	-	-	611.00
	12/23/2004	628.80	10.57	618.23	-	-	618.23
	01/04/2005	628.80	15.94	612.86	-	-	612.86
	01/13/2005	628.80	14.22	614.58	-	-	614.58
	02/01/2005	628.80	16.00	612.80	-	-	612.80
	02/23/2005	628.80	17.15	611.65	-	-	611.65
	03/03/2005	628.80	16.81	611.99	-	-	611.99
	03/15/2005	628.80	15.46	613.34	-	-	613.34
	04/08/2005	628.80	14.79	614.01	-	-	614.01
	04/19/2005	628.80	16.92	611.88	-	-	611.88
	04/21/2005	628.80	16.40	612.40	-	-	612.40
	05/02/2005	628.80	9.16	619.64	-	-	619.64
	05/19/2005	628.80	10.04	618.76	-	-	618.76
	06/08/2005	628.80	10.04	618.76	-	-	618.76
	06/17/2005	628.80	10.23	618.57	-	-	618.57

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	04/24/2006	628.80	8.09	620.71	-	-	620.71
	10/03/2006	628.80	9.60	619.20	-	-	619.20
	05/22/2007	628.80	8.03	620.77	-	-	620.77
1595-RW4	12/05/2002	638.96	21.92	617.04	-	-	617.04
	12/13/2002	638.96	21.85	617.11	-	-	617.11
	12/17/2002	638.96	16.58	622.38	-	-	622.38
	12/23/2002	638.96	18.45	620.51	-	-	620.51
	12/27/2002	638.96	16.65	622.31	-	-	622.31
	01/09/2003	638.96	16.41	622.55	16.35	0.06	622.60
	01/22/2003	638.96	18.36	620.60	18.33	0.03	620.62
	01/28/2003	638.96	16.93	622.03	16.91	0.02	622.05
	02/07/2003	638.96	19.47	619.49	-	-	619.49
	02/12/2003	638.96	16.86	622.10	-	-	622.10
	02/18/2003	638.96	17.88	621.08	17.85	0.03	621.10
	09/07/2004	638.96	17.21	621.75	17.19	0.02	621.77
	09/15/2004	638.96	18.42	620.54	18.41	0.01	620.55
	09/21/2004	638.96	17.41	621.55	-	-	621.55
	10/04/2004	638.96	16.57	622.39	16.54	0.03	622.41
	10/19/2004	638.96	16.18	622.78	-	-	622.78
	10/29/2004	638.96	17.34	621.62	-	-	621.62
	11/08/2004	638.96	18.57	620.39	18.54	0.03	620.41
	12/01/2004	638.96	18.67	620.29	-	-	620.29
	12/16/2004	638.96	16.60	622.36	16.54	0.06	622.41
	12/23/2004	638.96	15.61	623.35	-	-	623.35
	01/04/2005	638.96	16.57	622.39	16.56	0.01	622.40
	01/13/2005	638.96	16.37	622.59	16.31	0.06	622.64
	02/01/2005	638.96	15.40	623.56	-	-	623.56
	02/23/2005	638.96	17.03	621.93	17.02	0.01	621.94
	03/03/2005	638.96	17.90	621.06	17.86	0.04	621.09
	03/15/2005	638.96	17.68	621.28	17.62	0.06	621.33
	04/08/2005	638.96	14.29	624.67	-	-	624.67
	04/19/2005	638.96	14.42	624.54	14.41	0.01	624.55
	04/21/2005	638.96	14.57	624.39	14.52	0.05	624.43
	05/02/2005	638.96	14.33	624.63	-	-	624.63
	05/19/2005	638.96	14.75	624.21	14.63	0.12	624.30
	06/08/2005	638.96	14.96	624.00	14.92	0.04	624.03
	06/17/2005	638.96	15.20	623.76	-	-	623.76
	04/24/2006	638.96	12.97	625.99	-	-	625.99
	10/03/2006	638.96	15.33	623.63	15.29	0.04	623.66
	05/22/2007	638.96	12.82	626.14	-	-	626.14
1595-RW5	12/05/2002	630.45	13.08	617.37	-	-	617.37
	12/13/2002	630.45	12.35	618.10	-	-	618.10
	12/17/2002	630.45	10.62	619.83	-	-	619.83
	12/23/2002	630.45	13.20	617.25	-	-	617.25
	12/27/2002	630.45	13.02	617.43	-	-	617.43
	01/09/2003	630.45	12.81	617.64	-	-	617.64
	01/22/2003	630.45	16.31	614.14	-	-	614.14
	01/28/2003	630.45	15.64	614.81	-	-	614.81
	02/07/2003	630.45	15.25	615.20	-	-	615.20
	02/12/2003	630.45	14.71	615.74	-	-	615.74
	02/18/2003	630.45	14.31	616.14	-	-	616.14
	09/07/2004	630.45	13.19	617.26	-	-	617.26
	09/16/2004	630.45	13.00	617.45	-	-	617.45
	09/21/2004	630.45	13.15	617.30	-	-	617.30
	10/04/2004	630.45	14.25	616.20	-	-	616.20
	10/19/2004	630.45	10.35	620.10	-	-	620.10
	10/29/2004	630.45	13.13	617.32	-	-	617.32
	11/08/2004	630.45	13.34	617.11	-	-	617.11
	12/01/2004	630.45	13.39	617.06	-	-	617.06

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	12/16/2004	630.45	13.28	617.17	-	-	617.17
	12/23/2004	630.45	10.17	620.28	-	-	620.28
	01/04/2005	630.45	12.09	618.36	-	-	618.36
	01/13/2005	630.45	11.71	618.74	-	-	618.74
	02/01/2005	630.45	13.93	616.52	-	-	616.52
	02/23/2005	630.45	12.38	618.07	-	-	618.07
	03/03/2005	630.45	12.73	617.72	-	-	617.72
	03/15/2005	630.45	13.18	617.27	-	-	617.27
	04/08/2005	630.45	11.33	619.12	-	-	619.12
	04/19/2005	630.45	12.18	618.27	-	-	618.27
	04/21/2005	630.45	12.32	618.13	-	-	618.13
	05/02/2005	630.45	8.90	621.55	-	-	621.55
	05/19/2005	630.45	12.15	618.30	-	-	618.30
	06/08/2005	630.45	12.75	617.70	-	-	617.70
	06/17/2005	630.45	11.72	618.73	-	-	618.73
	04/24/2006	630.45	7.83	622.62	-	-	622.62
	10/03/2006	630.45	9.46	620.99	-	-	620.99
	05/22/2007	630.45	7.86	622.59	-	-	622.59
1595-RW6	12/05/2002	620.40	4.87	615.53	-	-	615.53
	12/13/2002	620.40	4.80	615.60	-	-	615.60
	12/17/2002	620.40	4.58	615.82	-	-	615.82
	12/23/2002	620.40	4.79	615.61	-	-	615.61
	12/27/2002	620.40	4.82	615.58	-	-	615.58
	01/09/2003	620.40	4.70	615.70	-	-	615.70
	01/22/2003	620.40	5.09	615.31	-	-	615.31
	01/28/2003	620.40	5.16	615.24	-	-	615.24
	02/07/2003	620.40	5.05	615.35	-	-	615.35
	02/12/2003	620.40	5.02	615.38	-	-	615.38
	02/18/2003	620.40	NR	-	NR	-	-
	09/07/2004	620.40	4.92	615.48	-	-	615.48
	09/15/2004	620.40	4.60	615.80	-	-	615.80
	09/21/2004	620.40	4.76	615.64	-	-	615.64
	10/04/2004	620.40	4.94	615.46	-	-	615.46
	10/19/2004	620.40	4.40	616.00	-	-	616.00
	10/29/2004	620.40	4.73	615.67	-	-	615.67
	11/08/2004	620.40	5.03	615.37	-	-	615.37
	12/01/2004	620.40	4.79	615.61	-	-	615.61
	12/16/2004	620.40	4.50	615.90	-	-	615.90
	12/23/2004	620.40	4.40	616.00	-	-	616.00
	01/04/2005	620.40	4.15	616.25	-	-	616.25
	01/13/2005	620.40	4.36	616.04	-	-	616.04
	02/01/2005	620.40	4.58	615.82	-	-	615.82
	02/23/2005	620.40	4.49	615.91	-	-	615.91
	03/03/2005	620.40	4.58	615.82	-	-	615.82
	03/15/2005	620.40	4.48	615.92	-	-	615.92
	04/08/2005	620.40	4.02	616.38	-	-	616.38
	04/19/2005	620.40	4.15	616.25	-	-	616.25
	04/21/2005	620.40	4.17	616.23	-	-	616.23
	05/02/2005	620.40	3.91	616.49	-	-	616.49
	05/19/2005	620.40	4.23	616.17	-	-	616.17
	06/08/2005	620.40	4.26	616.14	-	-	616.14
	06/17/2005	620.40	4.23	616.17	-	-	616.17
	04/24/2006	620.40	3.45	616.95	-	-	616.95
	10/03/2006	620.40	3.90	616.50	-	-	616.50
	05/22/2007	620.40	3.55	616.85	-	-	616.85
1595-RW7	12/05/2002	623.30	9.33	613.97	-	-	613.97
	12/13/2002	623.30	9.31	613.99	-	-	613.99
	12/17/2002	623.30	9.13	614.17	-	-	614.17
	12/23/2002	623.30	9.30	614.00	-	-	614.00

**Table B-1  
Historical Well Gauging Data Summary**

**Area 1595  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	12/27/2002	623.30	9.35	613.95	-	-	613.95
	01/09/2003	623.30	9.26	614.04	-	-	614.04
	01/22/2003	623.30	9.42	613.88	-	-	613.88
	01/28/2003	623.30	9.48	613.82	-	-	613.82
	02/07/2003	623.30	9.46	613.84	-	-	613.84
	02/12/2003	623.30	9.45	613.85	-	-	613.85
	02/18/2003	623.30	9.43	613.87	-	-	613.87
	09/07/2004	623.30	9.20	614.10	-	-	614.10
	09/15/2004	623.30	8.98	614.32	-	-	614.32
	09/21/2004	623.30	9.14	614.16	-	-	614.16
	10/04/2004	623.30	9.25	614.05	-	-	614.05
	10/19/2004	623.30	8.93	614.37	-	-	614.37
	10/29/2004	623.30	9.15	614.15	-	-	614.15
	11/08/2004	623.30	9.38	613.92	-	-	613.92
	12/01/2004	623.30	9.35	613.95	-	-	613.95
	12/16/2004	623.30	9.05	614.25	-	-	614.25
	12/23/2004	623.30	8.98	614.32	-	-	614.32
	01/04/2005	623.30	8.73	614.57	-	-	614.57
	01/13/2005	623.30	8.86	614.44	-	-	614.44
	02/01/2005	623.30	8.88	614.42	-	-	614.42
	02/23/2005	623.30	8.84	614.46	-	-	614.46
	03/03/2005	623.30	8.92	614.38	-	-	614.38
	03/15/2005	623.30	8.87	614.43	-	-	614.43
	04/08/2005	623.30	8.47	614.83	-	-	614.83
	04/19/2005	623.30	8.48	614.82	-	-	614.82
	04/21/2005	623.30	8.48	614.82	-	-	614.82
	05/02/2005	623.30	8.29	615.01	-	-	615.01
	05/19/2005	623.30	8.39	614.91	-	-	614.91
	06/08/2005	623.30	8.47	614.83	-	-	614.83
	06/17/2005	623.30	8.52	614.78	-	-	614.78
	04/24/2006	623.30	7.61	615.69	-	-	615.69
	10/03/2006	623.30	8.55	614.75	-	-	614.75
	05/22/2007	623.30	9.53	613.77	-	-	613.77

**Notes:**

NA = Not Available/Not Analyzed

ND = Not Detected

NR = Not Recorded



## **APPENDIX C**

### **Summary of Well Gauging Results and Operation and Maintenance Data**

#### **Area 1795**

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
1795-3-2M	07/02/2009	648.22	5.23	642.99	-	-	642.99
	07/20/2009	648.22	5.51	642.71	-	-	642.71
	08/28/2009	648.22	5.97	642.25	-	-	642.25
	09/15/2009	648.22	8.42	639.80	-	-	639.80
	09/22/2009	648.22	8.35	639.87	-	-	639.87
	10/14/2009	648.22	8.79	639.43	-	-	639.43
	11/10/2009	648.22	8.68	639.54	-	-	639.54
	12/14/2009	648.22	9.36	638.86	-	-	638.86
	01/11/2010	648.22	9.66	638.56	-	-	638.56
	02/10/2010	648.22	9.07	639.15	-	-	639.15
	03/10/2010	648.22	9.21	639.01	-	-	639.01
	04/14/2010	648.22	9.02	639.20	-	-	639.20
	05/12/2010	652.54	9.91	642.63	-	-	642.63
	06/17/2010	652.54	10.25	642.29	-	-	642.29
	07/14/2010	652.54	10.49	642.05	-	-	642.05
	08/09/2010	652.54	10.28	642.26	-	-	642.26
	09/16/2010	652.54	9.98	642.56	-	-	642.56
	10/13/2010	652.54	8.78	643.76	-	-	643.76
	11/16/2010	652.54	9.77	642.77	-	-	642.77
	12/16/2010	652.54	9.54	643.00	-	-	643.00
	01/13/2011	652.54	9.15	643.39	-	-	643.39
	03/14/2011	652.54	6.98	645.56	-	-	645.56
	04/12/2011	652.54	8.23	644.31	-	-	644.31
1795-3-5M	07/02/2009	649.47	5.47	644.00	-	-	644.00
	07/20/2009	649.47	5.61	643.86	-	-	643.86
	08/28/2009	649.47	7.30	642.17	-	-	642.17
	09/15/2009	649.47	9.06	640.41	-	-	640.41
	09/22/2009	649.47	9.02	640.45	-	-	640.45
	10/14/2009	649.47	9.18	640.29	-	-	640.29
	11/10/2009	649.47	9.09	640.38	-	-	640.38
	12/14/2009	649.47	9.76	639.71	-	-	639.71
	01/11/2010	649.47	10.11	639.36	-	-	639.36
	02/10/2010	649.47	9.59	639.88	-	-	639.88
	03/10/2010	649.47	9.52	639.95	-	-	639.95
	04/14/2010	649.47	9.57	639.90	-	-	639.90
	05/12/2010	654.56	10.33	644.23	-	-	644.23
	06/17/2010	654.56	10.59	643.97	-	-	643.97
	07/14/2010	654.56	10.81	643.75	-	-	643.75
	08/09/2010	654.56	10.37	644.19	-	-	644.19
	09/16/2010	654.56	10.22	644.34	-	-	644.34
	10/13/2010	654.56	9.05	645.51	-	-	645.51
	11/16/2010	654.56	10.10	644.46	-	-	644.46
	12/16/2010	654.56	9.96	644.60	-	-	644.60
	01/13/2011	654.56	9.61	644.95	-	-	644.95
03/14/2011	654.56	7.44	647.12	-	-	647.12	
04/12/2011	654.56	8.89	645.67	-	-	645.67	
1795-3-9M	07/02/2009	651.50	5.16	646.34	-	-	646.34
	07/20/2009	651.50	5.92	645.58	-	-	645.58



**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/28/2009	651.50	6.97	644.53	-	-	644.53
	09/15/2009	651.50	8.91	642.59	-	-	642.59
	09/22/2009	651.50	8.89	642.61	-	-	642.61
	10/14/2009	651.50	9.14	642.36	-	-	642.36
	11/10/2009	651.50	9.13	642.37	-	-	642.37
	12/14/2009	651.50	9.54	641.96	-	-	641.96
	01/11/2010	651.50	8.98	642.52	-	-	642.52
	02/10/2010	651.50	9.39	642.11	-	-	642.11
	03/10/2010	651.50	9.61	641.89	-	-	641.89
	04/14/2010	651.50	9.56	641.94	-	-	641.94
	05/12/2010	651.50	10.17	641.33	-	-	641.33
	06/17/2010	651.50	10.47	641.03	-	-	641.03
	07/14/2010	651.50	10.74	640.76	-	-	640.76
	08/09/2010	651.50	10.54	640.96	-	-	640.96
	09/16/2010	651.50	10.57	640.93	-	-	640.93
	10/13/2010	651.50	9.19	642.31	-	-	642.31
	11/16/2010	651.50	10.37	641.13	-	-	641.13
	12/16/2010	651.50	10.01	641.49	-	-	641.49
	01/13/2011	651.50	9.59	641.91	-	-	641.91
	03/14/2011	651.50	6.96	644.54	-	-	644.54
	04/12/2011	651.50	8.78	642.72	-	-	642.72
1795-4-3M	07/02/2009	652.94	11.66	641.28	-	-	641.28
	07/20/2009	652.94	11.58	641.36	-	-	641.36
	08/28/2009	652.94	12.98	639.96	-	-	639.96
	09/22/2009	652.94	14.18	638.76	-	-	638.76
	10/14/2009	652.94	14.72	638.22	-	-	638.22
	11/10/2009	652.94	14.56	638.38	-	-	638.38
	12/14/2009	652.94	15.37	637.57	-	-	637.57
	01/11/2010	652.94	15.43	637.51	-	-	637.51
	02/10/2010	652.94	15.06	637.88	-	-	637.88
	03/10/2010	652.94	14.86	638.08	-	-	638.08
	04/14/2010	652.94	14.77	638.17	-	-	638.17
	05/12/2010	652.91	15.64	637.27	-	-	637.27
	06/17/2010	652.91	16.26	636.65	-	-	636.65
	07/14/2010	652.91	16.31	636.60	-	-	636.60
	08/09/2010	652.91	16.36	636.55	-	-	636.55
	09/16/2010	652.91	15.90	637.01	-	-	637.01
	10/13/2010	652.91	15.21	637.70	-	-	637.70
	11/16/2010	652.91	15.15	637.76	-	-	637.76
	12/16/2010	652.91	14.76	638.15	-	-	638.15
	01/13/2011	652.91	15.61	637.30	-	-	637.30
	03/14/2011	652.91	14.36	638.55	-	-	638.55
	04/12/2011	652.91	13.91	639.00	-	-	639.00
1795-4-4M	07/02/2009	648.53	6.63	641.90	-	-	641.90
	07/20/2009	648.53	6.84	641.69	-	-	641.69
	08/28/2009	648.53	8.20	640.33	-	-	640.33
	09/22/2009	648.53	9.45	639.08	-	-	639.08
	10/14/2009	648.53	9.97	638.56	-	-	638.56

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	11/10/2009	648.53	9.90	638.63	-	-	638.63
	12/14/2009	648.53	16.21	632.32	-	-	632.32
	01/11/2010	648.53	16.41	632.12	-	-	632.12
	05/12/2010	652.96	10.94	642.02	-	-	642.02
	06/17/2010	652.96	11.51	641.45	-	-	641.45
	07/14/2010	652.96	16.59	636.37	-	-	636.37
	08/09/2010	652.96	16.44	636.52	-	-	636.52
	09/16/2010	652.96	17.31	635.65	-	-	635.65
	10/13/2010	652.96	16.11	636.85	-	-	636.85
	11/16/2010	652.96	16.03	636.93	-	-	636.93
	12/16/2010	652.96	15.59	637.37	-	-	637.37
	01/13/2011	652.96	15.48	637.48	-	-	637.48
	03/14/2011	652.96	14.80	638.16	-	-	638.16
	04/12/2011	652.96	15.41	637.55	-	-	637.55
1795-4-6M	07/02/2009	649.02	6.28	642.74	-	-	642.74
	07/20/2009	649.02	6.16	642.86	-	-	642.86
	08/28/2009	649.02	7.75	641.27	-	-	641.27
	09/22/2009	649.02	9.18	639.84	-	-	639.84
	10/14/2009	649.02	9.63	639.39	-	-	639.39
	11/10/2009	649.02	9.44	639.58	-	-	639.58
	12/14/2009	649.02	10.17	638.85	-	-	638.85
	01/11/2010	649.02	10.34	638.68	-	-	638.68
	02/10/2010	649.02	9.12	639.90	-	-	639.90
	03/10/2010	649.02	9.86	639.16	-	-	639.16
	04/14/2010	649.02	9.88	639.14	-	-	639.14
	05/12/2010	653.68	10.71	642.97	-	-	642.97
	06/17/2010	653.68	11.14	642.54	-	-	642.54
	07/14/2010	653.68	11.04	642.64	-	-	642.64
	08/09/2010	653.68	11.23	642.45	-	-	642.45
	09/16/2010	653.68	10.71	642.97	-	-	642.97
	10/13/2010	653.68	9.76	643.92	-	-	643.92
	11/16/2010	653.68	10.09	643.59	-	-	643.59
	12/16/2010	653.68	9.83	643.85	-	-	643.85
	01/13/2011	653.68	10.54	643.14	-	-	643.14
	03/14/2011	653.68	7.67	646.01	-	-	646.01
	04/12/2011	653.68	9.12	644.56	-	-	644.56
1795-5-4M	07/02/2009	646.50	5.49	641.01	-	-	641.01
	07/20/2009	646.50	5.55	640.95	-	-	640.95
	08/28/2009	646.50	6.45	640.05	-	-	640.05
	09/22/2009	646.50	7.81	638.69	-	-	638.69
	10/14/2009	646.50	8.23	638.27	-	-	638.27
	11/10/2009	646.50	8.33	638.17	-	-	638.17
	12/14/2009	646.50	8.91	637.59	-	-	637.59
	01/11/2010	646.50	8.84	637.66	-	-	637.66
	02/10/2010	646.50	9.11	637.39	-	-	637.39
	03/10/2010	646.50	8.42	638.08	-	-	638.08
	04/14/2010	646.50	8.08	638.42	-	-	638.42
	05/12/2010	653.93	10.13	643.80	-	-	643.80

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/17/2010	653.93	10.69	643.24	-	-	643.24
	07/14/2010	653.93	10.49	643.44	-	-	643.44
	08/09/2010	653.93	10.78	643.15	10.78	0.00	643.15
	09/16/2010	653.93	10.60	643.33	10.45	0.15	643.48
	10/13/2010	653.93	9.27	644.66	-	-	644.66
	11/16/2010	653.93	10.16	643.77	-	-	643.77
	12/16/2010	653.93	9.19	644.74	-	-	644.74
	01/13/2011	653.93	8.82	645.11	-	-	645.11
	03/14/2011	653.93	9.77	644.16	-	-	644.16
	04/12/2011	653.93	7.73	646.20	-	-	646.20
1795-5-5M	07/02/2009	651.54	10.56	640.98	-	-	640.98
	07/20/2009	651.54	10.09	641.45	-	-	641.45
	08/28/2009	651.54	11.52	640.02	-	-	640.02
	09/22/2009	651.54	12.90	638.64	-	-	638.64
	10/14/2009	651.54	13.28	638.26	-	-	638.26
	11/10/2009	651.54	13.23	638.31	-	-	638.31
	12/14/2009	651.54	13.98	637.56	-	-	637.56
	01/11/2010	651.54	13.99	637.55	-	-	637.55
	02/10/2010	651.54	14.58	636.96	-	-	636.96
	03/10/2010	651.54	13.39	638.15	-	-	638.15
	04/14/2010	651.54	13.08	638.46	-	-	638.46
	05/12/2010	654.68	15.14	639.54	-	-	639.54
	06/17/2010	654.68	15.63	639.05	-	-	639.05
	07/14/2010	654.68	14.41	640.27	-	-	640.27
	08/09/2010	654.68	15.95	638.73	15.60	0.35	639.08
	09/16/2010	654.68	14.30	640.38	14.25	0.05	640.43
	10/13/2010	654.68	12.34	642.34	-	-	642.34
	11/16/2010	654.68	12.74	641.94	-	-	641.94
	12/16/2010	654.68	12.06	642.62	-	-	642.62
	01/13/2011	654.68	13.87	640.81	-	-	640.81
	03/14/2011	654.68	14.81	639.87	-	-	639.87
	04/12/2011	654.68	12.78	641.90	-	-	641.90
1795-5-10M	07/02/2009	646.13	5.48	640.65	-	-	640.65
	07/20/2009	646.13	5.14	640.99	-	-	640.99
	08/28/2009	646.13	6.40	639.73	-	-	639.73
	09/22/2009	646.13	7.95	638.18	-	-	638.18
	10/14/2009	646.13	8.14	637.99	-	-	637.99
	11/10/2009	646.13	8.18	637.95	-	-	637.95
	12/14/2009	646.13	8.76	637.37	-	-	637.37
	01/11/2010	646.13	8.83	637.30	-	-	637.30
	02/10/2010	646.13	8.49	637.64	-	-	637.64
	03/10/2010	646.13	8.49	637.64	-	-	637.64
	04/14/2010	646.13	8.13	638.00	-	-	638.00
	05/12/2010	656.61	10.06	646.55	-	-	646.55
	06/17/2010	656.61	10.46	646.15	-	-	646.15
	07/14/2010	656.61	9.30	647.31	-	-	647.31
	08/09/2010	656.61	10.44	646.17	-	-	646.17
	09/16/2010	656.61	10.25	646.36	-	-	646.36

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Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	10/13/2010	656.61	7.14	649.47	-	-	649.47
	11/16/2010	656.61	8.82	647.79	-	-	647.79
	12/16/2010	656.61	8.26	648.35	-	-	648.35
	01/13/2011	656.61	7.78	648.83	-	-	648.83
	03/14/2011	656.61	7.53	649.08	-	-	649.08
	04/12/2011	656.61	7.83	648.78	-	-	648.78
1795-001	09/15/2004	NR	10.27	-	-	-	-
	04/19/2005	NR	10.28	-	-	-	-
	04/25/2006	NR	8.83	-	-	-	-
	10/05/2006	NR	11.14	-	-	-	-
	05/23/2007	NR	NR	-	NR	-	-
1795-003	09/15/2004	NR	7.45	-	-	-	-
	04/19/2005	NR	6.40	-	-	-	-
	04/25/2006	NR	4.76	-	-	-	-
	10/05/2006	NR	7.57	-	-	-	-
	05/23/2007	NR	5.17	-	-	-	-
1795-MWS1	09/15/2004	NR	21.02	-	-	-	-
	04/19/2005	NR	19.60	-	-	-	-
	04/25/2006	NR	17.91	-	-	-	-
	10/05/2006	NR	21.40	-	-	-	-
	05/23/2007	NR	17.29	-	-	-	-
1795-MWS2	12/02/2002	642.23	15.15	627.08	-	-	627.08
	01/06/2003	642.23	14.84	627.39	-	-	627.39
	02/07/2003	642.23	14.88	627.35	-	-	627.35
	09/02/2004	642.23	13.48	628.75	-	-	628.75
	09/15/2004	642.23	13.18	629.05	-	-	629.05
	10/04/2004	642.23	13.62	628.61	-	-	628.61
	11/01/2004	642.23	14.14	628.09	-	-	628.09
	12/03/2004	642.23	14.47	627.76	-	-	627.76
	01/04/2005	642.23	13.00	629.23	-	-	629.23
	02/03/2005	642.23	12.23	630.00	-	-	630.00
	03/01/2005	642.23	12.70	629.53	-	-	629.53
	04/07/2005	642.23	11.55	630.68	-	-	630.68
	04/19/2005	642.23	11.13	631.10	-	-	631.10
	05/03/2005	642.23	11.43	630.80	-	-	630.80
	06/01/2005	642.23	11.83	630.40	-	-	630.40
	07/05/2005	642.23	12.75	629.48	-	-	629.48
	08/01/2005	642.23	13.29	628.94	-	-	628.94
	09/07/2005	642.23	13.93	628.30	-	-	628.30
	10/05/2005	642.23	13.72	628.51	-	-	628.51
	11/08/2005	642.23	12.26	629.97	-	-	629.97
	12/09/2005	642.23	10.72	631.51	-	-	631.51
	01/06/2006	642.23	11.26	630.97	-	-	630.97
	02/02/2006	642.23	9.96	632.27	-	-	632.27
	03/21/2006	642.23	9.30	632.93	-	-	632.93
	04/06/2006	642.23	9.76	632.47	-	-	632.47

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/25/2006	642.23	10.17	632.06	-	-	632.06
	05/11/2006	642.23	10.34	631.89	-	-	631.89
	06/12/2006	642.23	11.20	631.03	-	-	631.03
	07/07/2006	642.23	11.65	630.58	-	-	630.58
	10/05/2006	642.23	13.95	628.28	-	-	628.28
	05/23/2007	642.23	9.82	632.41	-	-	632.41
1795-MWS3	12/02/2002	644.96	16.10	628.86	-	-	628.86
	01/06/2003	644.96	15.78	629.18	-	-	629.18
	02/07/2003	644.96	15.75	629.21	-	-	629.21
	09/02/2004	644.96	14.47	630.49	-	-	630.49
	09/15/2004	644.96	14.45	630.51	-	-	630.51
	10/04/2004	644.96	14.67	630.29	-	-	630.29
	11/01/2004	644.96	15.09	629.87	-	-	629.87
	12/03/2004	644.96	15.42	629.54	-	-	629.54
	01/04/2005	644.96	14.02	630.94	-	-	630.94
	02/03/2005	644.96	13.14	631.82	-	-	631.82
	03/01/2005	644.96	13.64	631.32	-	-	631.32
	04/07/2005	644.96	12.64	632.32	-	-	632.32
	04/19/2005	644.96	12.07	632.89	-	-	632.89
	05/03/2005	644.96	12.35	632.61	-	-	632.61
	06/01/2005	644.96	12.78	632.18	-	-	632.18
	07/05/2005	644.96	13.73	631.23	-	-	631.23
	08/01/2005	644.96	14.32	630.64	-	-	630.64
	09/07/2005	644.96	15.05	629.91	-	-	629.91
	10/05/2005	644.96	14.77	630.19	-	-	630.19
	11/08/2005	644.96	13.23	631.73	-	-	631.73
	12/09/2005	644.96	11.66	633.30	-	-	633.30
	01/06/2006	644.96	12.18	632.78	-	-	632.78
	02/02/2006	644.96	10.88	634.08	-	-	634.08
	03/21/2006	644.96	10.25	634.71	-	-	634.71
	04/06/2006	644.96	10.72	634.24	-	-	634.24
	04/25/2006	644.96	11.20	633.76	-	-	633.76
	05/11/2006	644.96	11.33	633.63	-	-	633.63
	06/12/2006	644.96	12.16	632.80	-	-	632.80
	07/07/2006	644.96	12.59	632.37	-	-	632.37
	10/05/2006	644.96	14.94	630.02	-	-	630.02
	05/23/2007	644.96	10.75	634.21	-	-	634.21
1795-MWS4	12/02/2002	646.59	15.00	631.59	-	-	631.59
	01/06/2003	646.59	14.52	632.07	-	-	632.07
	02/07/2003	646.59	14.58	632.01	-	-	632.01
	09/02/2004	646.59	13.07	633.52	-	-	633.52
	09/15/2004	646.59	12.86	633.73	-	-	633.73
	10/04/2004	646.59	13.14	633.45	-	-	633.45
	11/01/2004	646.59	13.59	633.00	-	-	633.00
	12/03/2004	646.59	13.82	632.77	-	-	632.77
	01/04/2005	646.59	12.10	634.49	-	-	634.49
	02/03/2005	646.59	11.35	635.24	-	-	635.24
	03/01/2005	646.59	11.93	634.66	-	-	634.66

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Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/07/2005	646.59	10.50	636.09	-	-	636.09
	04/19/2005	646.59	10.29	636.30	-	-	636.30
	05/03/2005	646.59	10.73	635.86	-	-	635.86
	06/01/2005	646.59	11.23	635.36	-	-	635.36
	07/05/2005	646.59	12.37	634.22	-	-	634.22
	08/01/2005	646.59	13.01	633.58	-	-	633.58
	09/07/2005	646.59	13.72	632.87	-	-	632.87
	10/05/2005	646.59	13.10	633.49	-	-	633.49
	11/08/2005	646.59	11.28	635.31	-	-	635.31
	12/09/2005	646.59	9.67	636.92	-	-	636.92
	01/06/2006	646.59	10.42	636.17	-	-	636.17
	02/02/2006	646.59	8.86	637.73	-	-	637.73
	03/21/2006	646.59	8.28	638.31	-	-	638.31
	04/06/2006	646.59	8.90	637.69	-	-	637.69
	04/25/2006	646.59	9.31	637.28	-	-	637.28
	05/11/2006	646.59	9.59	637.00	-	-	637.00
	06/12/2006	646.59	10.55	636.04	-	-	636.04
	07/07/2006	646.59	10.98	635.61	-	-	635.61
	10/05/2006	646.59	13.53	633.06	-	-	633.06
	05/23/2007	646.59	9.13	637.46	-	-	637.46
1795-MWS5	12/02/2002	654.78	19.18	635.60	-	-	635.60
	01/06/2003	654.78	18.56	636.22	-	-	636.22
	02/07/2003	654.78	18.82	635.96	-	-	635.96
	09/02/2004	654.78	17.55	637.23	-	-	637.23
	09/15/2004	654.78	17.15	637.63	-	-	637.63
	10/04/2004	654.78	17.62	637.16	-	-	637.16
	11/01/2004	654.78	18.03	636.75	-	-	636.75
	12/03/2004	654.78	17.97	636.81	-	-	636.81
	01/04/2005	654.78	16.28	638.50	-	-	638.50
	02/03/2005	654.78	15.92	638.86	-	-	638.86
	03/01/2005	654.78	16.31	638.47	-	-	638.47
	04/07/2005	654.78	15.04	639.74	-	-	639.74
	04/19/2005	654.78	15.14	639.64	-	-	639.64
	05/03/2005	654.78	15.46	639.32	-	-	639.32
	06/01/2005	654.78	16.04	638.74	-	-	638.74
	07/05/2005	654.78	17.05	637.73	-	-	637.73
	08/01/2005	654.78	17.50	637.28	-	-	637.28
	09/07/2005	654.78	17.90	636.88	-	-	636.88
	10/05/2005	654.78	17.22	637.56	-	-	637.56
	11/08/2005	654.78	15.61	639.17	-	-	639.17
	12/09/2005	654.78	14.05	640.73	-	-	640.73
	01/06/2006	654.78	14.91	639.87	-	-	639.87
	02/02/2006	654.78	13.28	641.50	-	-	641.50
	03/21/2006	654.78	13.11	641.67	-	-	641.67
	04/06/2006	654.78	13.84	640.94	-	-	640.94
	04/25/2006	654.78	14.02	640.76	-	-	640.76
	05/11/2006	654.78	14.44	640.34	-	-	640.34
	06/12/2006	654.78	15.13	639.65	-	-	639.65
	07/07/2006	654.78	15.33	639.45	-	-	639.45

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	10/05/2006	654.78	17.54	637.24	-	-	637.24
	05/23/2007	654.78	14.04	640.74	-	-	640.74
1795-MW6	09/15/2004	NR	6.81	-	-	-	-
	04/19/2005	NR	6.06	-	-	-	-
	04/25/2006	NR	4.34	-	-	-	-
	10/05/2006	NR	6.45	-	-	-	-
	05/23/2007	NR	4.92	-	-	-	-
1795-MWS6	12/02/2002	651.67	12.97	638.70	-	-	638.70
	01/06/2003	651.67	12.25	639.42	-	-	639.42
	02/07/2003	651.67	12.71	638.96	-	-	638.96
	09/02/2004	651.67	11.39	640.28	-	-	640.28
	09/15/2004	651.67	10.92	640.75	-	-	640.75
	10/04/2004	651.67	11.60	640.07	-	-	640.07
	11/01/2004	651.67	12.05	639.62	-	-	639.62
	12/03/2004	651.67	11.78	639.89	-	-	639.89
	01/04/2005	651.67	10.29	641.38	-	-	641.38
	02/03/2005	651.67	10.34	641.33	-	-	641.33
	03/01/2005	651.67	10.58	641.09	-	-	641.09
	04/07/2005	651.67	9.46	642.21	-	-	642.21
	04/19/2005	651.67	10.70	640.97	-	-	640.97
	05/03/2005	651.67	9.87	641.80	-	-	641.80
	06/01/2005	651.67	10.51	641.16	-	-	641.16
	07/05/2005	651.67	11.30	640.37	-	-	640.37
	08/01/2005	651.67	11.52	640.15	-	-	640.15
	09/07/2005	651.67	11.59	640.08	-	-	640.08
	10/05/2005	651.67	10.93	640.74	-	-	640.74
	11/08/2005	651.67	9.73	641.94	-	-	641.94
	12/09/2005	651.67	5.83	645.84	-	-	645.84
	01/06/2006	651.67	9.03	642.64	-	-	642.64
	02/02/2006	651.67	7.64	644.03	-	-	644.03
	03/21/2006	651.67	7.86	643.81	-	-	643.81
	04/06/2006	651.67	8.42	643.25	-	-	643.25
	04/25/2006	651.67	8.42	643.25	-	-	643.25
	05/11/2006	651.67	9.00	642.67	-	-	642.67
	06/12/2006	651.67	9.51	642.16	-	-	642.16
	07/07/2006	651.67	9.68	641.99	-	-	641.99
	10/05/2006	651.67	11.35	640.32	-	-	640.32
	05/23/2007	651.67	8.61	643.06	-	-	643.06
1795-MWS7	12/02/2002	653.24	11.65	641.59	-	-	641.59
	01/06/2003	653.24	10.98	642.26	-	-	642.26
	02/07/2003	653.24	11.56	641.68	-	-	641.68
	09/02/2004	653.24	9.99	643.25	-	-	643.25
	09/15/2004	653.24	9.43	643.81	-	-	643.81
	10/04/2004	653.24	10.38	642.86	-	-	642.86
	11/01/2004	653.24	10.89	642.35	-	-	642.35
	12/03/2004	653.24	9.93	643.31	-	-	643.31
	01/04/2005	653.24	8.73	644.51	-	-	644.51

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	02/03/2005	653.24	9.28	643.96	-	-	643.96
	03/01/2005	653.24	9.05	644.19	-	-	644.19
	04/07/2005	653.24	8.45	644.79	-	-	644.79
	04/19/2005	653.24	8.81	644.43	-	-	644.43
	05/03/2005	653.24	8.77	644.47	-	-	644.47
	06/01/2005	653.24	9.50	643.74	-	-	643.74
	07/05/2005	653.24	10.27	642.97	-	-	642.97
	08/01/2005	653.24	10.32	642.92	-	-	642.92
	09/07/2005	653.24	10.14	643.10	-	-	643.10
	10/05/2005	653.24	9.50	643.74	-	-	643.74
	11/08/2005	653.24	8.57	644.67	-	-	644.67
	12/09/2005	653.24	7.58	645.66	-	-	645.66
	01/06/2006	653.24	7.84	645.40	-	-	645.40
	02/02/2006	653.24	6.63	646.61	-	-	646.61
	03/21/2006	653.24	6.99	646.25	-	-	646.25
	04/06/2006	653.24	7.35	645.89	-	-	645.89
	04/25/2006	653.24	7.31	645.93	-	-	645.93
	05/11/2006	653.24	8.01	645.23	-	-	645.23
	06/12/2006	653.24	8.32	644.92	-	-	644.92
	07/07/2006	653.24	8.58	644.66	-	-	644.66
	10/05/2006	653.24	9.92	643.32	-	-	643.32
	05/23/2007	653.24	7.65	645.59	-	-	645.59
1795-MWS10	09/15/2004	NR	13.38	-	-	-	-
	04/19/2005	NR	12.46	-	-	-	-
	04/25/2006	NR	12.14	-	-	-	-
	10/05/2006	NR	13.61	-	-	-	-
	05/23/2007	NR	11.92	-	-	-	-
1795-MWS11	12/02/2002	648.91	16.19	632.72	-	-	632.72
	01/06/2003	648.91	15.64	633.27	-	-	633.27
	02/07/2003	648.91	15.77	633.14	-	-	633.14
	09/02/2004	648.91	14.79	634.12	-	-	634.12
	09/15/2004	648.91	14.48	634.43	-	-	634.43
	10/04/2004	648.91	14.90	634.01	-	-	634.01
	11/01/2004	648.91	15.26	633.65	-	-	633.65
	12/03/2004	648.91	14.47	634.44	-	-	634.44
	01/04/2005	648.91	13.95	634.96	-	-	634.96
	02/03/2005	648.91	13.45	635.46	-	-	635.46
	03/01/2005	648.91	13.90	635.01	-	-	635.01
	04/07/2005	648.91	12.59	636.32	-	-	636.32
	04/19/2005	648.91	12.54	636.37	-	-	636.37
	05/03/2005	648.91	12.91	636.00	-	-	636.00
	06/01/2005	648.91	13.39	635.52	-	-	635.52
	07/05/2005	648.91	14.27	634.64	-	-	634.64
	08/01/2005	648.91	14.68	634.23	-	-	634.23
	09/07/2005	648.91	15.15	633.76	-	-	633.76
	10/05/2005	648.91	14.64	634.27	-	-	634.27
	11/08/2005	648.91	13.20	635.71	-	-	635.71
	12/09/2005	648.91	11.78	637.13	-	-	637.13



**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	01/06/2006	648.91	12.54	636.37	-	-	636.37
	02/02/2006	648.91	11.17	637.74	-	-	637.74
	03/21/2006	648.91	10.84	638.07	-	-	638.07
	04/06/2006	648.91	11.50	637.41	-	-	637.41
	04/25/2006	648.91	11.81	637.10	-	-	637.10
	05/11/2006	648.91	12.02	636.89	-	-	636.89
	06/12/2006	648.91	12.74	636.17	-	-	636.17
	07/07/2006	648.91	12.97	635.94	-	-	635.94
	10/05/2006	648.91	14.90	634.01	-	-	634.01
	05/23/2007	648.91	11.51	637.40	-	-	637.40
1795-MWSI12	09/15/2004	NR	14.44	-	-	-	-
	04/19/2005	NR	12.09	-	-	-	-
	04/25/2006	NR	11.22	-	-	-	-
	10/05/2006	NR	14.94	-	-	-	-
	05/23/2007	NR	10.78	-	-	-	-
1795-MWD13	12/02/2002	644.91	16.06	628.85	-	-	628.85
	01/06/2003	644.91	15.73	629.18	-	-	629.18
	02/07/2003	644.91	15.70	629.21	-	-	629.21
	09/02/2004	644.91	14.42	630.49	-	-	630.49
	09/15/2004	644.91	14.37	630.54	-	-	630.54
	10/04/2004	644.91	14.65	630.26	-	-	630.26
	11/01/2004	644.91	15.03	629.88	-	-	629.88
	12/03/2004	644.91	15.35	629.56	-	-	629.56
	01/04/2005	644.91	13.94	630.97	-	-	630.97
	02/03/2005	644.91	13.08	631.83	-	-	631.83
	03/01/2005	644.91	13.57	631.34	-	-	631.34
	04/07/2005	644.91	12.54	632.37	-	-	632.37
	04/19/2005	644.91	12.01	632.90	-	-	632.90
	05/03/2005	644.91	12.31	632.60	-	-	632.60
	06/01/2005	644.91	12.75	632.16	-	-	632.16
	07/05/2005	644.91	13.68	631.23	-	-	631.23
	08/01/2005	644.91	14.26	630.65	-	-	630.65
	09/07/2005	644.91	14.99	629.92	-	-	629.92
	10/05/2005	644.91	14.71	630.20	-	-	630.20
	11/08/2005	644.91	13.16	631.75	-	-	631.75
	12/09/2005	644.91	11.61	633.30	-	-	633.30
	01/06/2006	644.91	12.13	632.78	-	-	632.78
	02/02/2006	644.91	10.83	634.08	-	-	634.08
	03/21/2006	644.91	10.20	634.71	-	-	634.71
	04/06/2006	644.91	10.67	634.24	-	-	634.24
	04/25/2006	644.91	11.15	633.76	-	-	633.76
	05/11/2006	644.91	11.29	633.62	-	-	633.62
	06/12/2006	644.91	12.12	632.79	-	-	632.79
	07/07/2006	644.91	12.55	632.36	-	-	632.36
	10/05/2006	644.91	14.84	630.07	-	-	630.07
	05/23/2007	644.91	10.70	634.21	-	-	634.21

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Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
1795-MWS14	09/15/2004	NR	9.71	-	-	-	-
	04/19/2005	NR	9.18	-	-	-	-
	04/25/2006	NR	9.52	-	-	-	-
	10/05/2006	NR	10.19	-	-	-	-
	05/23/2007	NR	8.61	-	-	-	-
1795-MWS15	12/02/2002	648.23	NR	-	NR	-	-
	01/06/2003	648.23	NR	-	NR	-	-
	02/07/2003	648.23	NR	-	NR	-	-
	09/15/2004	648.23	9.94	638.29	-	-	638.29
	04/19/2005	648.23	8.99	639.24	-	-	639.24
	04/25/2006	648.23	7.91	640.32	-	-	640.32
	10/05/2006	648.23	10.29	637.94	-	-	637.94
	05/23/2007	648.23	8.19	640.04	-	-	640.04
1795-MWS16	09/15/2004	NR	19.19	-	-	-	-
	04/19/2005	NR	16.72	-	-	-	-
	04/25/2006	NR	15.95	-	-	-	-
	10/05/2006	NR	19.46	-	-	-	-
	05/23/2007	NR	15.32	-	-	-	-
1795-MWS17	09/15/2004	NR	25.04	-	-	-	-
	04/19/2005	NR	23.05	-	-	-	-
	04/25/2006	NR	22.30	-	-	-	-
	10/05/2006	NR	25.28	-	-	-	-
	05/23/2007	NR	21.57	-	-	-	-
1795-MWS18	09/15/2004	NR	18.01	-	-	-	-
	04/19/2005	NR	16.23	-	-	-	-
	04/25/2006	NR	16.11	-	-	-	-
	10/05/2006	NR	18.19	-	-	-	-
	05/23/2007	NR	15.56	-	-	-	-
1795-MWS19	09/15/2004	NR	13.75	-	-	-	-
	04/19/2005	NR	11.83	-	-	-	-
	04/25/2006	NR	10.72	-	-	-	-
	10/05/2006	NR	14.62	-	-	-	-
	05/23/2007	NR	10.55	-	-	-	-
1795-MWD20	09/15/2004	NR	20.90	-	-	-	-
	04/19/2005	NR	19.90	-	-	-	-
	04/25/2006	NR	17.78	-	-	-	-
	10/05/2006	NR	21.30	-	-	-	-
	05/23/2007	NR	17.17	-	-	-	-
1795-MWS21	09/15/2004	NR	15.28	-	-	-	-
	04/19/2005	NR	13.46	-	-	-	-
	04/25/2006	NR	12.34	-	-	-	-
	10/05/2006	NR	16.14	-	-	-	-
	05/23/2007	NR	11.64	-	-	-	-

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
1795-MW37	09/15/2004	NR	7.31	-	-	-	-
	04/19/2005	NR	6.65	-	-	-	-
	04/25/2006	NR	5.03	-	-	-	-
	10/05/2006	NR	7.68	-	-	-	-
	05/23/2007	NR	5.37	-	-	-	-
1795-MW38	09/15/2004	NR	6.85	-	-	-	-
	04/19/2005	NR	6.45	-	-	-	-
	04/25/2006	NR	4.93	-	-	-	-
	10/05/2006	NR	7.32	-	-	-	-
	05/23/2007	NR	5.12	-	-	-	-
1795-PZ01	12/02/2002	649.60	9.73	639.87	-	-	639.87
	01/06/2003	649.60	9.14	640.46	-	-	640.46
	02/07/2003	649.60	9.58	640.02	-	-	640.02
	09/02/2004	649.60	8.15	641.45	-	-	641.45
	09/15/2004	649.60	7.70	641.90	-	-	641.90
	10/04/2004	649.60	8.52	641.08	-	-	641.08
	11/01/2004	649.60	8.97	640.63	-	-	640.63
	12/03/2004	649.60	8.38	641.22	-	-	641.22
	01/04/2005	649.60	7.11	642.49	-	-	642.49
	02/03/2005	649.60	7.39	642.21	-	-	642.21
	03/01/2005	649.60	7.60	642.00	-	-	642.00
	04/07/2005	649.60	6.55	643.05	-	-	643.05
	04/19/2005	649.60	6.81	642.79	-	-	642.79
	05/03/2005	649.60	6.86	642.74	-	-	642.74
	06/01/2005	649.60	7.55	642.05	-	-	642.05
	07/05/2005	649.60	8.27	641.33	-	-	641.33
	08/01/2005	649.60	8.41	641.19	-	-	641.19
	09/07/2005	649.60	8.37	641.23	-	-	641.23
	10/05/2005	649.60	7.76	641.84	-	-	641.84
	11/08/2005	649.60	6.62	642.98	-	-	642.98
	12/09/2005	649.60	5.62	643.98	-	-	643.98
	01/06/2006	649.60	5.83	643.77	-	-	643.77
	02/02/2006	649.60	4.69	644.91	-	-	644.91
03/21/2006	649.60	5.00	644.60	-	-	644.60	
04/06/2006	649.60	5.44	644.16	-	-	644.16	
04/25/2006	649.60	5.40	644.20	-	-	644.20	
05/11/2006	649.60	6.08	643.52	-	-	643.52	
06/12/2006	649.60	6.48	643.12	-	-	643.12	
07/07/2006	649.60	6.68	642.92	-	-	642.92	
10/05/2006	649.60	7.98	641.62	-	-	641.62	
05/23/2007	649.60	5.68	643.92	-	-	643.92	
1795-PZ02	12/02/2002	648.88	10.77	638.11	-	-	638.11
	01/06/2003	648.88	10.20	638.68	-	-	638.68
	02/07/2003	648.88	10.61	638.27	-	-	638.27
	09/02/2004	648.88	9.35	639.53	-	-	639.53
	09/15/2004	648.88	9.88	639.00	-	-	639.00
	10/04/2004	648.88	9.68	639.20	-	-	639.20

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	11/01/2004	648.88	10.13	638.75	-	-	638.75
	12/03/2004	648.88	9.70	639.18	-	-	639.18
	01/04/2005	648.88	8.50	640.38	-	-	640.38
	02/03/2005	648.88	8.57	640.31	-	-	640.31
	03/01/2005	648.88	8.81	640.07	-	-	640.07
	04/07/2005	648.88	7.32	641.56	-	-	641.56
	04/19/2005	648.88	7.87	641.01	-	-	641.01
	05/03/2005	648.88	8.03	640.85	-	-	640.85
	06/01/2005	648.88	8.67	640.21	-	-	640.21
	07/05/2005	648.88	9.38	639.50	-	-	639.50
	08/01/2005	648.88	9.53	639.35	-	-	639.35
	09/07/2005	648.88	9.53	639.35	-	-	639.35
	10/05/2005	648.88	8.93	639.95	-	-	639.95
	11/08/2005	648.88	7.82	641.06	-	-	641.06
	12/09/2005	648.88	6.77	642.11	-	-	642.11
	01/06/2006	648.88	7.19	641.69	-	-	641.69
	02/02/2006	648.88	5.97	642.91	-	-	642.91
	03/21/2006	648.88	6.23	642.65	-	-	642.65
	04/06/2006	648.88	6.72	642.16	-	-	642.16
	04/25/2006	648.88	6.70	642.18	-	-	642.18
	05/11/2006	648.88	7.30	641.58	-	-	641.58
	06/12/2006	648.88	7.69	641.19	-	-	641.19
	07/07/2006	648.88	7.86	641.02	-	-	641.02
	10/05/2006	648.88	9.29	639.59	-	-	639.59
	05/23/2007	648.88	6.90	641.98	-	-	641.98
1795-PZ03	12/02/2002	653.33	17.68	635.65	-	-	635.65
	01/06/2003	653.33	16.86	636.47	-	-	636.47
	02/07/2003	653.33	17.17	636.16	-	-	636.16
	09/02/2004	653.33	15.92	637.41	-	-	637.41
	09/15/2004	653.33	15.49	637.84	-	-	637.84
	10/04/2004	653.33	16.03	637.30	-	-	637.30
	11/01/2004	653.33	16.44	636.89	-	-	636.89
	12/03/2004	653.33	16.30	637.03	-	-	637.03
	01/04/2005	653.33	14.72	638.61	-	-	638.61
	02/03/2005	653.33	14.45	638.88	-	-	638.88
	03/01/2005	653.33	14.81	638.52	-	-	638.52
	04/07/2005	653.33	13.56	639.77	-	-	639.77
	04/19/2005	653.33	13.71	639.62	-	-	639.62
	05/03/2005	653.33	14.01	639.32	-	-	639.32
	06/01/2005	653.33	14.58	638.75	-	-	638.75
	07/05/2005	653.33	15.52	637.81	-	-	637.81
	08/01/2005	653.33	15.89	637.44	-	-	637.44
	09/07/2005	653.33	16.21	637.12	-	-	637.12
	10/05/2005	653.33	15.55	637.78	-	-	637.78
	11/08/2005	653.33	14.03	639.30	-	-	639.30
	12/09/2005	653.33	12.58	640.75	-	-	640.75
	01/06/2006	653.33	13.38	639.95	-	-	639.95
	02/02/2006	653.33	11.81	641.52	-	-	641.52
	03/21/2006	653.33	11.74	641.59	-	-	641.59

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/06/2006	653.33	12.46	640.87	-	-	640.87
	04/25/2006	653.33	12.59	640.74	-	-	640.74
	05/11/2006	653.33	13.03	640.30	-	-	640.30
	06/12/2006	653.33	13.66	639.67	-	-	639.67
	07/07/2006	653.33	13.82	639.51	-	-	639.51
	10/05/2006	653.33	15.87	637.46	-	-	637.46
	05/23/2007	653.33	12.64	640.69	-	-	640.69
1795-PZ04	12/02/2002	647.23	13.02	634.21	-	-	634.21
	01/06/2003	647.23	12.48	634.75	-	-	634.75
	02/07/2003	647.23	12.68	634.55	-	-	634.55
	09/02/2004	647.23	11.52	635.71	-	-	635.71
	09/15/2004	647.23	11.12	636.11	-	-	636.11
	10/04/2004	647.23	11.60	635.63	-	-	635.63
	11/01/2004	647.23	11.95	635.28	-	-	635.28
	12/03/2004	647.23	11.82	635.41	-	-	635.41
	01/04/2005	647.23	10.38	636.85	-	-	636.85
	02/03/2005	647.23	9.89	637.34	-	-	637.34
	03/01/2005	647.23	10.40	636.83	-	-	636.83
	04/07/2005	647.23	8.87	638.36	-	-	638.36
	04/19/2005	647.23	9.00	638.23	-	-	638.23
	05/03/2005	647.23	9.33	637.90	-	-	637.90
	06/01/2005	647.23	9.96	637.27	-	-	637.27
	07/05/2005	647.23	11.01	636.22	-	-	636.22
	08/01/2005	647.23	11.44	635.79	-	-	635.79
	09/07/2005	647.23	11.91	635.32	-	-	635.32
	10/05/2005	647.23	11.29	635.94	-	-	635.94
	11/08/2005	647.23	9.64	637.59	-	-	637.59
	12/09/2005	647.23	8.13	639.10	-	-	639.10
	01/06/2006	647.23	8.89	638.34	-	-	638.34
	02/02/2006	647.23	7.34	639.89	-	-	639.89
	03/21/2006	647.23	7.09	640.14	-	-	640.14
	04/06/2006	647.23	7.73	639.50	-	-	639.50
	04/25/2006	647.23	7.89	639.34	-	-	639.34
	05/11/2006	647.23	8.36	638.87	-	-	638.87
	06/12/2006	647.23	9.00	638.23	-	-	638.23
	07/07/2006	647.23	9.32	637.91	-	-	637.91
	10/05/2006	647.23	11.47	635.76	-	-	635.76
	05/23/2007	647.23	7.92	639.31	-	-	639.31
1795-PZ05	12/02/2002	650.44	13.02	637.42	-	-	637.42
	01/06/2003	650.44	12.35	638.09	-	-	638.09
	02/07/2003	650.44	12.76	637.68	-	-	637.68
	09/02/2004	650.44	11.53	638.91	-	-	638.91
	09/15/2004	650.44	11.02	639.42	-	-	639.42
	10/04/2004	650.44	11.68	638.76	-	-	638.76
	11/01/2004	650.44	12.11	638.33	-	-	638.33
	12/03/2004	650.44	11.89	638.55	-	-	638.55
	01/04/2005	650.44	10.40	640.04	-	-	640.04
	02/03/2005	650.44	10.30	640.14	-	-	640.14

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	03/01/2005	650.44	10.61	639.83	-	-	639.83
	04/07/2005	650.44	9.39	641.05	-	-	641.05
	04/19/2005	650.44	9.64	640.80	-	-	640.80
	05/03/2005	650.44	9.82	640.62	-	-	640.62
	06/01/2005	650.44	10.44	640.00	-	-	640.00
	07/05/2005	650.44	11.28	639.16	-	-	639.16
	08/01/2005	650.44	11.56	638.88	-	-	638.88
	09/07/2005	650.44	11.72	638.72	-	-	638.72
	10/05/2005	650.44	11.08	639.36	-	-	639.36
	11/08/2005	650.44	9.74	640.70	-	-	640.70
	12/09/2005	650.44	8.48	641.96	-	-	641.96
	01/06/2006	650.44	9.11	641.33	-	-	641.33
	02/02/2006	650.44	7.66	642.78	-	-	642.78
	03/21/2006	650.44	7.77	642.67	-	-	642.67
	04/06/2006	650.44	8.40	642.04	-	-	642.04
	04/25/2006	650.44	8.45	641.99	-	-	641.99
	05/11/2006	650.44	8.96	641.48	-	-	641.48
	06/12/2006	650.44	9.47	640.97	-	-	640.97
	07/07/2006	650.44	9.65	640.79	-	-	640.79
	10/05/2006	650.44	11.45	638.99	-	-	638.99
	05/23/2007	650.44	8.56	641.88	-	-	641.88
1795-PZ06	12/02/2002	651.58	13.90	637.68	-	-	637.68
	01/06/2003	651.58	13.27	638.31	-	-	638.31
	02/07/2003	651.58	13.63	637.95	-	-	637.95
	09/02/2004	651.58	12.30	639.28	-	-	639.28
	09/15/2004	651.58	11.83	639.75	-	-	639.75
	10/04/2004	651.58	12.45	639.13	-	-	639.13
	11/01/2004	651.58	12.88	638.70	-	-	638.70
	12/03/2004	651.58	12.64	638.94	-	-	638.94
	01/04/2005	651.58	10.94	640.64	-	-	640.64
	02/03/2005	651.58	10.90	640.68	-	-	640.68
	03/01/2005	651.58	11.23	640.35	-	-	640.35
	04/07/2005	651.58	10.06	641.52	-	-	641.52
	04/19/2005	651.58	10.25	641.33	-	-	641.33
	05/03/2005	651.58	10.46	641.12	-	-	641.12
	06/01/2005	651.58	11.08	640.50	-	-	640.50
	07/05/2005	651.58	12.01	639.57	-	-	639.57
	08/01/2005	651.58	12.35	639.23	-	-	639.23
	09/07/2005	651.58	12.54	639.04	-	-	639.04
	10/05/2005	651.58	11.85	639.73	-	-	639.73
	11/08/2005	651.58	10.45	641.13	-	-	641.13
	12/09/2005	651.58	9.10	642.48	-	-	642.48
	01/06/2006	651.58	9.77	641.81	-	-	641.81
	02/02/2006	651.58	8.20	643.38	-	-	643.38
	03/21/2006	651.58	8.29	643.29	-	-	643.29
	04/06/2006	651.58	8.91	642.67	-	-	642.67
	04/25/2006	651.58	8.99	642.59	-	-	642.59
	05/11/2006	651.58	9.53	642.05	-	-	642.05
	06/12/2006	651.58	10.06	641.52	-	-	641.52

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	07/07/2006	651.58	10.28	641.30	-	-	641.30
	10/05/2006	651.58	12.26	639.32	-	-	639.32
	05/23/2007	651.58	9.13	642.45	-	-	642.45
1795-PZ07	12/02/2002	650.10	9.48	640.62	-	-	640.62
	01/06/2003	650.10	8.83	641.27	-	-	641.27
	02/07/2003	650.10	9.36	640.74	-	-	640.74
	09/02/2004	650.10	7.88	642.22	-	-	642.22
	09/15/2004	650.10	7.29	642.81	-	-	642.81
	10/04/2004	650.10	8.21	641.89	-	-	641.89
	11/01/2004	650.10	8.68	641.42	-	-	641.42
	12/03/2004	650.10	7.80	642.30	-	-	642.30
	01/04/2005	650.10	6.36	643.74	-	-	643.74
	02/03/2005	650.10	6.89	643.21	-	-	643.21
	03/01/2005	650.10	7.13	642.97	-	-	642.97
	04/07/2005	650.10	6.11	643.99	-	-	643.99
	04/19/2005	650.10	6.42	643.68	-	-	643.68
	05/03/2005	650.10	6.39	643.71	-	-	643.71
	06/01/2005	650.10	7.17	642.93	-	-	642.93
	07/05/2005	650.10	8.01	642.09	-	-	642.09
	08/01/2005	650.10	8.18	641.92	-	-	641.92
	09/07/2005	650.10	8.01	642.09	-	-	642.09
	10/05/2005	650.10	7.34	642.76	-	-	642.76
	11/08/2005	650.10	6.32	643.78	-	-	643.78
	12/09/2005	650.10	5.21	644.89	-	-	644.89
	01/06/2006	650.10	5.57	644.53	-	-	644.53
	02/02/2006	650.10	4.29	645.81	-	-	645.81
	03/21/2006	650.10	4.63	645.47	-	-	645.47
	04/06/2006	650.10	4.98	645.12	-	-	645.12
	04/25/2006	650.10	4.96	645.14	-	-	645.14
	05/11/2006	650.10	5.65	644.45	-	-	644.45
	06/12/2006	650.10	6.02	644.08	-	-	644.08
	07/07/2006	650.10	6.29	643.81	-	-	643.81
	10/05/2006	650.10	7.76	642.34	-	-	642.34
	05/23/2007	650.10	5.74	644.36	-	-	644.36
1795-PZ08	12/02/2002	648.51	11.65	636.86	-	-	636.86
	01/06/2003	648.51	11.08	637.43	-	-	637.43
	02/07/2003	648.51	11.38	637.13	-	-	637.13
	09/02/2004	648.51	9.98	638.53	-	-	638.53
	09/15/2004	648.51	9.52	638.99	-	-	638.99
	10/04/2004	648.51	10.08	638.43	-	-	638.43
	11/01/2004	648.51	10.50	638.01	-	-	638.01
	12/03/2004	648.51	10.25	638.26	-	-	638.26
	01/04/2005	648.51	8.32	640.19	-	-	640.19
	02/03/2005	648.51	8.32	640.19	-	-	640.19
	03/01/2005	648.51	8.71	639.80	-	-	639.80
	04/07/2005	648.51	7.46	641.05	-	-	641.05
	04/19/2005	648.51	7.65	640.86	7.64	0.01	640.87
	05/03/2005	648.51	7.86	640.65	-	-	640.65

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/01/2005	648.51	8.50	640.01	-	-	640.01
	07/05/2005	648.51	9.56	638.95	-	-	638.95
	08/01/2005	648.51	10.08	638.43	-	-	638.43
	09/07/2005	648.51	10.29	638.22	-	-	638.22
	10/05/2005	648.51	9.56	638.95	-	-	638.95
	11/08/2005	648.51	8.02	640.49	-	-	640.49
	12/09/2005	648.51	6.49	642.02	-	-	642.02
	01/06/2006	648.51	7.27	641.24	-	-	641.24
	02/02/2006	648.51	5.54	642.97	-	-	642.97
	03/21/2006	648.51	5.53	642.98	-	-	642.98
	04/06/2006	648.51	6.14	642.37	-	-	642.37
	04/25/2006	648.51	6.25	642.26	-	-	642.26
	05/11/2006	648.51	6.85	641.66	-	-	641.66
	06/12/2006	648.51	7.52	640.99	-	-	640.99
	07/07/2006	648.51	7.77	640.74	-	-	640.74
	10/05/2006	648.51	9.96	638.55	-	-	638.55
	05/23/2007	648.51	6.47	642.04	-	-	642.04
	09/19/2008	648.51	NR	-	NR	-	-
	10/23/2008	648.51	8.45	640.06	-	-	640.06
	12/30/2008	648.51	4.58	643.93	-	-	643.93
	01/28/2009	648.51	6.12	642.39	-	-	642.39
	02/24/2009	648.51	6.05	642.46	-	-	642.46
	03/27/2009	648.51	5.61	642.90	-	-	642.90
	04/28/2009	648.51	5.64	642.87	-	-	642.87
	05/20/2009	648.51	5.58	642.93	-	-	642.93
	06/25/2009	648.51	6.28	642.23	-	-	642.23
	07/20/2009	648.51	7.08	641.43	-	-	641.43
	08/25/2009	648.51	8.27	640.24	-	-	640.24
	09/15/2009	648.51	9.45	639.06	-	-	639.06
	09/22/2009	648.51	9.85	638.66	-	-	638.66
	10/14/2009	648.51	10.28	638.23	-	-	638.23
	11/10/2009	648.51	10.31	638.20	-	-	638.20
	12/14/2009	648.51	10.98	637.53	-	-	637.53
	01/11/2010	648.51	11.13	637.38	-	-	637.38
	02/10/2010	648.51	10.69	637.82	-	-	637.82
	03/10/2010	648.51	10.58	637.93	-	-	637.93
	04/14/2010	648.51	10.42	638.09	-	-	638.09
	05/12/2010	648.51	11.36	637.15	-	-	637.15
	06/17/2010	648.51	11.94	636.57	-	-	636.57
	07/14/2010	648.51	11.78	636.73	-	-	636.73
	08/09/2010	648.51	12.02	636.49	-	-	636.49
	09/16/2010	648.51	11.50	637.01	-	-	637.01
	10/13/2010	648.51	10.18	638.33	-	-	638.33
	11/16/2010	648.51	11.03	637.48	-	-	637.48
	12/16/2010	648.51	10.07	638.44	-	-	638.44
	01/13/2011	648.51	10.03	638.48	-	-	638.48
	03/14/2011	648.51	8.88	639.63	-	-	639.63
	04/12/2011	648.51	9.45	639.06	-	-	639.06



**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
1795-PZ09	12/02/2002	652.82	17.53	635.29	17.50	0.03	635.31
	01/06/2003	652.82	16.95	635.87	16.94	0.01	635.88
	02/07/2003	652.82	17.15	635.67	17.14	0.01	635.68
	09/02/2004	652.82	15.85	636.97	-	-	636.97
	09/15/2004	652.82	15.47	637.35	-	-	637.35
	10/04/2004	652.82	15.89	636.93	-	-	636.93
	11/01/2004	652.82	16.30	636.52	-	-	636.52
	12/03/2004	652.82	16.27	636.55	-	-	636.55
	01/04/2005	652.82	14.48	638.34	-	-	638.34
	02/03/2005	652.82	14.07	638.75	-	-	638.75
	03/01/2005	652.82	14.50	638.32	-	-	638.32
	04/07/2005	652.82	13.17	639.65	-	-	639.65
	04/19/2005	652.82	13.26	639.56	-	-	639.56
	05/03/2005	652.82	13.60	639.22	-	-	639.22
	06/01/2005	652.82	14.20	638.62	-	-	638.62
	07/05/2005	652.82	15.28	637.54	-	-	637.54
	08/01/2005	652.82	15.79	637.03	-	-	637.03
	09/07/2005	652.82	16.25	636.57	-	-	636.57
	10/05/2005	652.82	15.58	637.24	-	-	637.24
	11/08/2005	652.82	13.84	638.98	-	-	638.98
	12/09/2005	652.82	12.22	640.60	-	-	640.60
	01/06/2006	652.82	13.07	639.75	-	-	639.75
	02/02/2006	652.82	11.42	641.40	-	-	641.40
	03/21/2006	652.82	11.17	641.65	-	-	641.65
	04/06/2006	652.82	11.88	640.94	-	-	640.94
	04/25/2006	652.82	12.11	640.71	-	-	640.71
	05/11/2006	652.82	12.55	640.27	-	-	640.27
	06/12/2006	652.82	13.27	639.55	-	-	639.55
	07/07/2006	652.82	13.51	639.31	-	-	639.31
	10/05/2006	652.82	15.87	636.95	-	-	636.95
	05/23/2007	652.82	12.11	640.71	-	-	640.71
	09/19/2008	652.82	13.90	638.92	-	-	638.92
	10/23/2008	652.82	14.35	638.47	-	-	638.47
	12/30/2008	652.82	10.42	642.40	-	-	642.40
	01/28/2009	652.82	11.92	640.90	-	-	640.90
	02/24/2009	652.82	11.85	640.97	-	-	640.97
	03/27/2009	652.82	11.35	641.47	-	-	641.47
	04/28/2009	652.82	11.32	641.50	-	-	641.50
	05/20/2009	652.82	11.31	641.51	-	-	641.51
	06/25/2009	652.82	11.96	640.86	-	-	640.86
07/20/2009	652.82	12.82	640.00	-	-	640.00	
08/25/2009	652.82	13.95	638.87	-	-	638.87	
09/15/2009	652.82	15.05	637.77	-	-	637.77	
09/22/2009	652.82	15.39	637.43	-	-	637.43	
10/14/2009	652.82	15.95	636.87	-	-	636.87	
11/10/2009	652.82	16.02	636.80	-	-	636.80	
12/14/2009	652.82	16.63	636.19	-	-	636.19	
01/11/2010	652.82	16.77	636.05	-	-	636.05	
02/10/2010	652.82	16.37	636.45	-	-	636.45	
03/10/2010	652.82	16.28	636.54	-	-	636.54	

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/14/2010	652.82	16.06	636.76	-	-	636.76
	05/12/2010	652.82	16.98	635.84	-	-	635.84
	06/17/2010	652.82	17.56	635.26	-	-	635.26
	07/14/2010	652.82	17.46	635.36	-	-	635.36
	08/09/2010	652.82	17.73	635.09	-	-	635.09
	09/16/2010	652.82	17.33	635.49	-	-	635.49
	10/13/2010	652.82	16.14	636.68	-	-	636.68
	11/16/2010	652.82	16.69	636.13	-	-	636.13
	12/16/2010	652.82	15.97	636.85	-	-	636.85
	01/13/2011	652.82	16.41	636.41	-	-	636.41
	03/14/2011	652.82	14.51	638.31	-	-	638.31
	04/12/2011	652.82	15.07	637.75	-	-	637.75
1795-PZ10	12/02/2002	648.25	9.96	638.29	-	-	638.29
	01/06/2003	648.25	9.33	638.92	-	-	638.92
	02/07/2003	648.25	9.75	638.50	-	-	638.50
	09/02/2004	648.25	8.23	640.02	-	-	640.02
	09/15/2004	648.25	7.65	640.60	-	-	640.60
	10/04/2004	648.25	8.39	639.86	-	-	639.86
	11/01/2004	648.25	8.86	639.39	-	-	639.39
	12/03/2004	648.25	8.37	639.88	-	-	639.88
	01/04/2005	648.25	6.35	641.90	-	-	641.90
	02/03/2005	648.25	6.75	641.50	-	-	641.50
	03/01/2005	648.25	7.08	641.17	-	-	641.17
	04/07/2005	648.25	6.02	642.23	-	-	642.23
	04/19/2005	648.25	6.25	642.00	-	-	642.00
	05/03/2005	648.25	6.35	641.90	-	-	641.90
	06/01/2005	648.25	7.01	641.24	-	-	641.24
	07/05/2005	648.25	8.03	640.22	-	-	640.22
	08/01/2005	648.25	8.37	639.88	-	-	639.88
	09/07/2005	648.25	8.43	639.82	-	-	639.82
	10/05/2005	648.25	7.70	640.55	-	-	640.55
	11/08/2005	648.25	6.39	641.86	-	-	641.86
	12/09/2005	648.25	5.05	643.20	-	-	643.20
	01/06/2006	648.25	5.65	642.60	-	-	642.60
	02/02/2006	648.25	4.09	644.16	-	-	644.16
	03/21/2006	648.25	4.27	643.98	-	-	643.98
	04/06/2006	648.25	4.77	643.48	-	-	643.48
	04/25/2006	648.25	4.78	643.47	-	-	643.47
	05/11/2006	648.25	5.44	642.81	-	-	642.81
	06/12/2006	648.25	5.96	642.29	-	-	642.29
	07/07/2006	648.25	6.23	642.02	-	-	642.02
	10/05/2006	648.25	8.12	640.13	-	-	640.13
	05/23/2007	648.25	5.17	643.08	-	-	643.08
1795-PZ11	12/02/2002	650.85	NR	-	NR	-	-
	01/06/2003	650.85	NR	-	NR	-	-
	02/07/2003	650.85	NR	-	NR	-	-

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>	
1795-PZ12	12/02/2002	648.64	NR	-	NR	-	-	
	01/06/2003	648.64	NR	-	NR	-	-	
	02/07/2003	648.64	NR	-	NR	-	-	
	09/02/2004	648.64	4.33	644.31	-	-	644.31	
	09/15/2004	648.64	4.92	643.72	-	-	643.72	
	10/04/2004	648.64	4.46	644.18	-	-	644.18	
	11/01/2004	648.64	5.27	643.37	-	-	643.37	
	12/03/2004	648.64	4.35	644.29	-	-	644.29	
	01/04/2005	648.64	3.46	645.18	-	-	645.18	
	02/03/2005	648.64	NR	-	NR	-	-	
	03/01/2005	648.64	NR	-	NR	-	-	
	04/07/2005	648.64	3.02	645.62	-	-	645.62	
	04/19/2005	648.64	4.36	644.28	-	-	644.28	
	05/03/2005	648.64	3.34	645.30	-	-	645.30	
	06/01/2005	648.64	4.02	644.62	-	-	644.62	
	07/05/2005	648.64	5.67	642.97	-	-	642.97	
	08/01/2005	648.64	4.67	643.97	-	-	643.97	
	09/07/2005	648.64	4.57	644.07	-	-	644.07	
	10/05/2005	648.64	3.95	644.69	-	-	644.69	
	11/08/2005	648.64	3.05	645.59	-	-	645.59	
	12/09/2005	648.64	2.22	646.42	-	-	646.42	
	01/06/2006	648.64	NR	-	NR	-	-	
	02/02/2006	648.64	1.04	647.60	-	-	647.60	
	03/21/2006	648.64	1.56	647.08	-	-	647.08	
	04/06/2006	648.64	1.95	646.69	-	-	646.69	
	04/25/2006	648.64	1.90	646.74	-	-	646.74	
	05/11/2006	648.64	2.58	646.06	-	-	646.06	
	06/12/2006	648.64	2.86	645.78	-	-	645.78	
	07/07/2006	648.64	3.08	645.56	-	-	645.56	
	10/05/2006	648.64	4.33	644.31	-	-	644.31	
	05/23/2007	648.64	3.21	645.43	-	-	645.43	
	1795-PZ13	12/02/2002	648.64	NR	-	NR	-	-
		01/06/2003	648.64	NR	-	NR	-	-
02/07/2003		648.64	NR	-	NR	-	-	
09/02/2004		648.64	4.08	644.56	-	-	644.56	
09/15/2004		648.64	4.52	644.12	-	-	644.12	
10/04/2004		648.64	4.05	644.59	-	-	644.59	
11/01/2004		648.64	4.91	643.73	-	-	643.73	
12/03/2004		648.64	4.39	644.25	-	-	644.25	
01/04/2005		648.64	3.35	645.29	-	-	645.29	
02/03/2005		648.64	NR	-	NR	-	-	
03/01/2005		648.64	NR	-	NR	-	-	
04/07/2005		648.64	2.61	646.03	-	-	646.03	
04/19/2005		648.64	2.86	645.78	-	-	645.78	
05/03/2005		648.64	2.94	645.70	-	-	645.70	
06/01/2005		648.64	3.61	645.03	-	-	645.03	
07/05/2005		648.64	5.13	643.51	-	-	643.51	
08/01/2005		648.64	4.29	644.35	-	-	644.35	
09/07/2005	648.64	4.27	644.37	-	-	644.37		

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	10/05/2005	648.64	3.70	644.94	-	-	644.94
	11/08/2005	648.64	2.68	645.96	-	-	645.96
	12/09/2005	648.64	1.83	646.81	-	-	646.81
	01/06/2006	648.64	NR	-	NR	-	-
	02/02/2006	648.64	1.29	647.35	-	-	647.35
	03/21/2006	648.64	1.36	647.28	-	-	647.28
	04/06/2006	648.64	1.81	646.83	-	-	646.83
	04/25/2006	648.64	1.71	646.93	-	-	646.93
	05/11/2006	648.64	2.36	646.28	-	-	646.28
	06/12/2006	648.64	2.66	645.98	-	-	645.98
	07/07/2006	648.64	2.84	645.80	-	-	645.80
	10/05/2006	648.64	4.00	644.64	-	-	644.64
	05/23/2007	648.64	2.83	645.81	-	-	645.81
1795-PZ14	12/02/2002	646.15	11.53	634.62	-	-	634.62
	01/06/2003	646.15	10.97	635.18	-	-	635.18
	02/07/2003	646.15	11.16	634.99	-	-	634.99
	09/02/2004	646.15	10.31	635.84	-	-	635.84
	09/15/2004	646.15	9.96	636.19	-	-	636.19
	10/04/2004	646.15	10.68	635.47	-	-	635.47
	11/01/2004	646.15	11.04	635.11	-	-	635.11
	12/03/2004	646.15	10.63	635.52	-	-	635.52
	01/04/2005	646.15	9.65	636.50	-	-	636.50
	02/03/2005	646.15	9.67	636.48	-	-	636.48
	03/01/2005	646.15	9.97	636.18	-	-	636.18
	04/07/2005	646.15	8.93	637.22	-	-	637.22
	04/19/2005	646.15	8.95	637.20	-	-	637.20
	05/03/2005	646.15	9.13	637.02	-	-	637.02
	06/01/2005	646.15	9.69	636.46	-	-	636.46
	07/05/2005	646.15	10.46	635.69	-	-	635.69
	08/01/2005	646.15	10.52	635.63	-	-	635.63
	09/07/2005	646.15	10.57	635.58	-	-	635.58
	10/05/2005	646.15	10.08	636.07	-	-	636.07
	11/08/2005	646.15	9.00	637.15	-	-	637.15
	12/09/2005	646.15	NR	-	NR	-	-
	01/06/2006	646.15	8.58	637.57	-	-	637.57
	02/02/2006	646.15	7.47	638.68	-	-	638.68
	03/21/2006	646.15	7.62	638.53	-	-	638.53
	04/06/2006	646.15	8.14	638.01	-	-	638.01
	04/25/2006	646.15	8.21	637.94	-	-	637.94
	05/11/2006	646.15	8.64	637.51	-	-	637.51
	06/12/2006	646.15	9.03	637.12	-	-	637.12
	07/07/2006	646.15	9.19	636.96	-	-	636.96
	10/05/2006	646.15	10.17	635.98	-	-	635.98
	05/23/2007	646.15	8.21	637.94	-	-	637.94
1795-PZ15	12/02/2002	651.83	16.63	635.20	-	-	635.20
	01/06/2003	651.83	16.03	635.80	-	-	635.80
	02/07/2003	651.83	16.27	635.56	-	-	635.56
	09/02/2004	651.83	15.07	636.76	-	-	636.76

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Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/15/2004	651.83	NR	-	NR	-	-
	10/04/2004	651.83	15.16	636.67	-	-	636.67
	11/01/2004	651.83	15.54	636.29	-	-	636.29
	12/03/2004	651.83	15.47	636.36	-	-	636.36
	01/04/2005	651.83	13.85	637.98	-	-	637.98
	02/03/2005	651.83	13.47	638.36	-	-	638.36
	03/01/2005	651.83	13.83	638.00	-	-	638.00
	04/07/2005	651.83	12.56	639.27	-	-	639.27
	04/19/2005	651.83	NR	-	NR	-	-
	05/03/2005	651.83	13.02	638.81	-	-	638.81
	06/01/2005	651.83	13.57	638.26	-	-	638.26
	07/05/2005	651.83	14.57	637.26	-	-	637.26
	08/01/2005	651.83	15.01	636.82	-	-	636.82
	09/07/2005	651.83	15.42	636.41	-	-	636.41
	10/05/2005	651.83	14.76	637.07	-	-	637.07
	11/08/2005	651.83	13.14	638.69	-	-	638.69
	12/09/2005	651.83	11.63	640.20	-	-	640.20
	01/06/2006	651.83	12.44	639.39	-	-	639.39
	02/02/2006	651.83	10.84	640.99	-	-	640.99
	03/21/2006	651.83	10.65	641.18	-	-	641.18
	04/06/2006	651.83	11.39	640.44	-	-	640.44
	04/25/2006	651.83	NR	-	NR	-	-
	05/11/2006	651.83	11.96	639.87	-	-	639.87
	06/12/2006	651.83	12.65	639.18	-	-	639.18
	07/07/2006	651.83	12.87	638.96	-	-	638.96
	10/05/2006	651.83	NR	-	NR	-	-
	05/23/2007	651.83	11.55	640.28	-	-	640.28
1795-PZ16	12/02/2002	654.78	18.35	636.43	-	-	636.43
	01/06/2003	654.78	17.74	637.04	-	-	637.04
	02/07/2003	654.78	18.04	636.74	-	-	636.74
	09/02/2004	654.78	16.73	638.05	-	-	638.05
	10/04/2004	654.78	16.82	637.96	-	-	637.96
	11/01/2004	654.78	17.23	637.55	-	-	637.55
	12/03/2004	654.78	17.13	637.65	-	-	637.65
	01/04/2005	654.78	15.42	639.36	-	-	639.36
	02/03/2005	654.78	15.16	639.62	-	-	639.62
	03/01/2005	654.78	15.54	639.24	-	-	639.24
	04/07/2005	654.78	14.31	640.47	-	-	640.47
	05/03/2005	654.78	14.73	640.05	-	-	640.05
	06/01/2005	654.78	15.32	639.46	-	-	639.46
	07/05/2005	654.78	16.30	638.48	-	-	638.48
	08/01/2005	654.78	16.69	638.09	-	-	638.09
	09/07/2005	654.78	17.04	637.74	-	-	637.74
	10/05/2005	654.78	16.34	638.44	-	-	638.44
	11/08/2005	654.78	14.81	639.97	-	-	639.97
	12/09/2005	654.78	13.32	641.46	-	-	641.46
	01/06/2006	654.78	14.12	640.66	-	-	640.66
	02/02/2006	654.78	12.47	642.31	-	-	642.31
	03/21/2006	654.78	12.41	642.37	-	-	642.37

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Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/06/2006	654.78	13.12	641.66	-	-	641.66
	05/11/2006	654.78	13.72	641.06	-	-	641.06
	06/12/2006	654.78	14.38	640.40	-	-	640.40
	07/07/2006	654.78	14.56	640.22	-	-	640.22
1795-PZ17	12/02/2002	648.42	13.29	635.13	-	-	635.13
	01/06/2003	648.42	12.85	635.57	-	-	635.57
	02/07/2003	648.42	12.94	635.48	-	-	635.48
	09/02/2004	648.42	11.84	636.58	11.80	0.04	636.61
	10/04/2004	648.42	11.99	636.43	11.87	0.12	636.52
	11/01/2004	648.42	12.29	636.13	-	-	636.13
	12/03/2004	648.42	12.30	636.12	-	-	636.12
	01/04/2005	648.42	10.64	637.78	-	-	637.78
	02/03/2005	648.42	10.15	638.27	-	-	638.27
	03/01/2005	648.42	10.53	637.89	-	-	637.89
	04/07/2005	648.42	9.21	639.21	-	-	639.21
	05/03/2005	648.42	9.64	638.78	-	-	638.78
	06/01/2005	648.42	10.22	638.20	-	-	638.20
	07/05/2005	648.42	11.26	637.16	-	-	637.16
	08/01/2005	648.42	11.72	636.70	-	-	636.70
	09/07/2005	648.42	12.25	636.17	-	-	636.17
	10/05/2005	648.42	11.59	636.83	-	-	636.83
	11/08/2005	648.42	9.89	638.53	-	-	638.53
	12/09/2005	648.42	8.31	640.11	-	-	640.11
	01/06/2006	648.42	9.16	639.26	-	-	639.26
	02/02/2006	648.42	7.49	640.93	-	-	640.93
	03/21/2006	648.42	7.28	641.14	-	-	641.14
	04/06/2006	648.42	7.97	640.45	-	-	640.45
	05/11/2006	648.42	8.62	639.80	-	-	639.80
	06/12/2006	648.42	9.27	639.15	-	-	639.15
	07/07/2006	648.42	9.51	638.91	-	-	638.91
	09/19/2008	648.42	9.78	638.64	-	-	638.64
	10/23/2008	648.42	10.21	638.21	-	-	638.21
	12/30/2008	648.42	6.46	641.96	-	-	641.96
	01/28/2009	648.42	7.87	640.55	-	-	640.55
	02/24/2009	648.42	7.92	640.50	-	-	640.50
	03/27/2009	648.42	7.45	640.97	-	-	640.97
	04/28/2009	648.42	7.38	641.04	-	-	641.04
	05/20/2009	648.42	7.39	641.03	-	-	641.03
	06/25/2009	648.42	7.97	640.45	-	-	640.45
	07/20/2009	648.42	8.77	639.65	-	-	639.65
	08/25/2009	648.42	9.98	638.44	-	-	638.44
	09/15/2009	648.42	11.00	637.42	-	-	637.42
	09/22/2009	648.42	11.40	637.02	-	-	637.02
	10/14/2009	648.42	11.81	636.61	-	-	636.61
	11/10/2009	648.42	11.88	636.54	-	-	636.54
	12/14/2009	648.42	12.54	635.88	-	-	635.88
	01/11/2010	648.42	12.72	635.70	-	-	635.70
	02/10/2010	648.42	12.38	636.04	-	-	636.04
	03/10/2010	648.42	12.26	636.16	-	-	636.16

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/14/2010	648.42	12.03	636.39	-	-	636.39
	05/12/2010	648.42	12.92	635.50	-	-	635.50
	06/17/2010	648.42	13.71	634.71	13.42	0.29	635.00
	07/14/2010	648.42	14.79	633.63	13.42	1.37	635.00
	08/09/2010	648.42	14.28	634.14	13.62	0.66	634.80
	09/16/2010	648.42	14.44	633.98	13.62	0.82	634.80
	10/13/2010	648.42	12.13	636.29	-	-	636.29
	11/16/2010	648.42	12.64	635.78	-	-	635.78
	12/16/2010	648.42	11.86	636.56	-	-	636.56
	01/13/2011	648.42	12.09	636.33	-	-	636.33
	03/14/2011	648.42	12.73	635.69	-	-	635.69
	04/12/2011	648.42	11.05	637.37	-	-	637.37
1795-PZ18	12/02/2002	651.40	16.57	634.83	-	-	634.83
	01/06/2003	651.40	15.98	635.42	-	-	635.42
	02/07/2003	651.40	16.18	635.22	-	-	635.22
	09/02/2004	651.40	14.88	636.52	-	-	636.52
	10/04/2004	651.40	14.94	636.46	-	-	636.46
	11/01/2004	651.40	15.34	636.06	-	-	636.06
	12/03/2004	651.40	15.32	636.08	-	-	636.08
	01/04/2005	651.40	13.62	637.78	-	-	637.78
	02/03/2005	651.40	13.14	638.26	-	-	638.26
	03/01/2005	651.40	13.55	637.85	-	-	637.85
	04/07/2005	651.40	12.21	639.19	-	-	639.19
	05/03/2005	651.40	12.61	638.79	-	-	638.79
	06/01/2005	651.40	13.20	638.20	-	-	638.20
	07/05/2005	651.40	14.30	637.10	-	-	637.10
	08/01/2005	651.40	14.81	636.59	-	-	636.59
	09/07/2005	651.40	15.33	636.07	-	-	636.07
	10/05/2005	651.40	14.65	636.75	-	-	636.75
	11/08/2005	651.40	12.91	638.49	-	-	638.49
	12/09/2005	651.40	11.31	640.09	-	-	640.09
	01/06/2006	651.40	12.13	639.27	-	-	639.27
	02/02/2006	651.40	10.48	640.92	-	-	640.92
	03/21/2006	651.40	10.21	641.19	-	-	641.19
	04/06/2006	651.40	10.91	640.49	-	-	640.49
	05/11/2006	651.40	11.56	639.84	-	-	639.84
	06/12/2006	651.40	12.29	639.11	-	-	639.11
	07/07/2006	651.40	12.56	638.84	-	-	638.84
1795-RW1	12/02/2002	653.99	17.74	636.25	-	-	636.25
	01/06/2003	653.99	12.16	641.83	12.15	0.01	641.84
	02/07/2003	653.99	17.40	636.59	17.39	0.01	636.60
	09/02/2004	653.99	16.15	637.84	-	-	637.84
	09/15/2004	653.99	15.74	638.25	-	-	638.25
	10/04/2004	653.99	16.23	637.76	-	-	637.76
	11/01/2004	653.99	16.64	637.35	-	-	637.35
	12/03/2004	653.99	16.57	637.42	-	-	637.42
	01/04/2005	653.99	14.88	639.11	-	-	639.11
	02/03/2005	653.99	14.54	639.45	-	-	639.45

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	03/01/2005	653.99	14.94	639.05	-	-	639.05
	04/07/2005	653.99	13.69	640.30	-	-	640.30
	04/19/2005	653.99	13.77	640.22	-	-	640.22
	05/03/2005	653.99	14.10	639.89	-	-	639.89
	06/01/2005	653.99	14.67	639.32	-	-	639.32
	07/05/2005	653.99	15.67	638.32	-	-	638.32
	08/01/2005	653.99	16.09	637.90	-	-	637.90
	09/07/2005	653.99	16.48	637.51	-	-	637.51
	10/05/2005	653.99	15.81	638.18	-	-	638.18
	11/08/2005	653.99	14.22	639.77	-	-	639.77
	12/09/2005	653.99	12.67	641.32	-	-	641.32
	01/06/2006	653.99	13.54	640.45	-	-	640.45
	02/02/2006	653.99	11.92	642.07	-	-	642.07
	03/21/2006	653.99	11.75	642.24	-	-	642.24
	04/06/2006	653.99	12.50	641.49	-	-	641.49
	04/25/2006	653.99	12.68	641.31	-	-	641.31
	05/11/2006	653.99	13.09	640.90	-	-	640.90
	06/12/2006	653.99	13.77	640.22	-	-	640.22
	07/07/2006	653.99	13.96	640.03	-	-	640.03
	10/05/2006	653.99	16.13	637.86	-	-	637.86
	05/23/2007	653.99	12.69	641.30	-	-	641.30
	09/19/2008	653.99	13.98	640.01	-	-	640.01
	10/23/2008	653.99	14.42	639.57	-	-	639.57
	12/30/2008	653.99	10.68	643.31	-	-	643.31
	01/28/2009	653.99	12.25	641.74	-	-	641.74
	02/24/2009	653.99	12.26	641.73	-	-	641.73
	03/27/2009	653.99	11.85	642.14	-	-	642.14
	04/28/2009	653.99	11.87	642.12	-	-	642.12
	05/20/2009	653.99	11.73	642.26	-	-	642.26
	06/25/2009	653.99	12.36	641.63	-	-	641.63
	07/20/2009	653.99	13.08	640.91	-	-	640.91
	08/25/2009	653.99	14.31	639.68	-	-	639.68
	09/15/2009	653.99	15.53	638.46	-	-	638.46
	09/22/2009	653.99	15.89	638.10	-	-	638.10
	10/14/2009	653.99	16.32	637.67	-	-	637.67
	11/10/2009	653.99	16.16	637.83	-	-	637.83
	12/14/2009	653.99	17.02	636.97	-	-	636.97
	01/11/2010	653.99	17.06	636.93	-	-	636.93
	02/10/2010	653.99	16.81	637.18	-	-	637.18
	03/10/2010	653.99	16.51	637.48	-	-	637.48
	04/14/2010	653.99	16.34	637.65	-	-	637.65
	05/12/2010	653.99	17.36	636.63	-	-	636.63
	06/17/2010	653.99	17.86	636.13	-	-	636.13
	07/14/2010	653.99	17.62	636.37	-	-	636.37
	08/09/2010	653.99	17.78	636.21	-	-	636.21
	09/16/2010	653.99	17.41	636.58	-	-	636.58
	10/13/2010	653.99	16.04	637.95	-	-	637.95
	11/16/2010	653.99	16.85	637.14	-	-	637.14
	12/16/2010	653.99	16.12	637.87	-	-	637.87
	01/13/2011	653.99	16.38	637.61	-	-	637.61



**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	03/14/2011	653.99	15.24	638.75	-	-	638.75
	04/12/2011	653.99	15.63	638.36	-	-	638.36
1795-RW2	12/02/2002	647.68	10.92	636.76	-	-	636.76
	01/06/2003	647.68	10.38	637.30	-	-	637.30
	02/07/2003	647.68	10.65	637.03	-	-	637.03
	09/02/2004	647.68	9.59	638.09	-	-	638.09
	09/15/2004	647.68	9.16	638.52	-	-	638.52
	10/04/2004	647.68	10.17	637.51	9.88	0.29	637.73
	11/01/2004	647.68	10.62	637.06	10.29	0.33	637.31
	12/03/2004	647.68	9.90	637.78	-	-	637.78
	01/04/2005	647.68	8.81	638.87	-	-	638.87
	02/03/2005	647.68	8.93	638.75	-	-	638.75
	03/01/2005	647.68	9.15	638.53	-	-	638.53
	04/07/2005	647.68	8.02	639.66	-	-	639.66
	04/19/2005	647.68	8.21	639.47	-	-	639.47
	05/03/2005	647.68	8.33	639.35	-	-	639.35
	06/01/2005	647.68	8.98	638.70	-	-	638.70
	07/05/2005	647.68	9.66	638.02	-	-	638.02
	08/01/2005	647.68	9.78	637.90	-	-	637.90
	09/07/2005	647.68	9.82	637.86	9.80	0.02	637.88
	10/05/2005	647.68	9.26	638.42	-	-	638.42
	11/08/2005	647.68	8.14	639.54	-	-	639.54
	12/09/2005	647.68	7.18	640.50	-	-	640.50
	01/06/2006	647.68	7.55	640.13	-	-	640.13
	02/02/2006	647.68	6.46	641.22	-	-	641.22
	03/21/2006	647.68	6.68	641.00	-	-	641.00
	04/06/2006	647.68	7.18	640.50	-	-	640.50
	04/25/2006	647.68	8.08	639.60	-	-	639.60
	05/11/2006	647.68	7.74	639.94	-	-	639.94
	06/12/2006	647.68	8.08	639.60	-	-	639.60
	07/07/2006	647.68	8.28	639.40	-	-	639.40
	10/05/2006	647.68	9.54	638.14	-	-	638.14
	05/23/2007	647.68	7.28	640.40	-	-	640.40
	09/19/2008	647.68	NR	-	NR	-	-
	10/23/2008	647.68	8.82	638.86	-	-	638.86
	12/30/2008	647.68	5.22	642.46	-	-	642.46
	01/28/2009	647.68	7.05	640.63	-	-	640.63
	02/24/2009	647.68	7.16	640.52	-	-	640.52
	03/27/2009	647.68	6.65	641.03	-	-	641.03
	04/28/2009	647.68	6.78	640.90	-	-	640.90
	05/20/2009	647.68	6.81	640.87	-	-	640.87
	06/25/2009	647.68	7.12	640.56	-	-	640.56
	07/20/2009	647.68	7.47	640.21	-	-	640.21
	08/25/2009	647.68	9.50	638.18	-	-	638.18
	09/15/2009	647.68	10.46	637.22	-	-	637.22
	09/22/2009	647.68	10.72	636.96	-	-	636.96
	10/14/2009	647.68	10.78	636.90	-	-	636.90
	11/10/2009	647.68	10.88	636.80	-	-	636.80
	12/14/2009	647.68	11.18	636.50	-	-	636.50

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	01/11/2010	647.68	11.59	636.09	-	-	636.09
	02/10/2010	647.68	11.23	636.45	11.21	0.02	636.47
	03/10/2010	647.68	11.32	636.36	-	-	636.36
	04/14/2010	647.68	11.12	636.56	-	-	636.56
	05/12/2010	647.68	11.69	635.99	-	-	635.99
	06/17/2010	647.68	11.86	635.82	-	-	635.82
	07/14/2010	647.68	11.82	635.86	-	-	635.86
	08/09/2010	647.68	12.74	634.94	-	-	634.94
	09/16/2010	647.68	12.95	634.73	-	-	634.73
	10/13/2010	647.68	10.46	637.22	-	-	637.22
	11/16/2010	647.68	11.30	636.38	-	-	636.38
	12/16/2010	647.68	10.76	636.92	-	-	636.92
	01/13/2011	647.68	11.07	636.61	-	-	636.61
	03/14/2011	647.68	9.41	638.27	-	-	638.27
	04/12/2011	647.68	10.54	637.14	-	-	637.14
1795-RW3	12/02/2002	652.57	10.38	642.19	-	-	642.19
	01/06/2003	652.57	9.74	642.83	-	-	642.83
	02/07/2003	652.57	10.32	642.25	-	-	642.25
	09/02/2004	652.57	8.65	643.92	-	-	643.92
	09/15/2004	652.57	8.14	644.43	-	-	644.43
	10/04/2004	652.57	9.11	643.46	-	-	643.46
	11/01/2004	652.57	9.63	642.94	-	-	642.94
	12/03/2004	652.57	8.89	643.68	-	-	643.68
	01/04/2005	652.57	7.44	645.13	-	-	645.13
	02/03/2005	652.57	8.04	644.53	-	-	644.53
	03/01/2005	652.57	8.25	644.32	-	-	644.32
	04/07/2005	652.57	7.18	645.39	-	-	645.39
	04/19/2005	652.57	7.56	645.01	-	-	645.01
	05/03/2005	652.57	7.49	645.08	-	-	645.08
	06/01/2005	652.57	8.25	644.32	-	-	644.32
	07/05/2005	652.57	8.98	643.59	-	-	643.59
	08/01/2005	652.57	9.03	643.54	-	-	643.54
	09/07/2005	652.57	8.83	643.74	-	-	643.74
	10/05/2005	652.57	8.20	644.37	-	-	644.37
	11/08/2005	652.57	7.27	645.30	-	-	645.30
	12/09/2005	652.57	6.35	646.22	-	-	646.22
	01/06/2006	652.57	6.55	646.02	-	-	646.02
	02/02/2006	652.57	5.43	647.14	-	-	647.14
	03/21/2006	652.57	5.75	646.82	-	-	646.82
	04/06/2006	652.57	6.07	646.50	-	-	646.50
	04/25/2006	652.57	5.96	646.61	-	-	646.61
	05/11/2006	652.57	6.74	645.83	-	-	645.83
	06/12/2006	652.57	6.96	645.61	-	-	645.61
	07/07/2006	652.57	7.30	645.27	-	-	645.27
	10/05/2006	652.57	8.56	644.01	-	-	644.01
	05/23/2007	652.57	6.32	646.25	-	-	646.25
1795-TP09	12/02/2002	649.28	13.71	635.57	-	-	635.57
	01/06/2003	649.28	13.15	636.13	-	-	636.13

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	02/07/2003	649.28	13.36	635.92	-	-	635.92
	09/02/2004	649.28	12.04	637.24	11.94	0.10	637.32
	10/04/2004	649.28	12.05	637.23	11.99	0.06	637.28
	11/01/2004	649.28	12.42	636.86	12.41	0.01	636.87
	12/03/2004	649.28	12.31	636.97	-	-	636.97
	01/04/2005	649.28	10.43	638.85	-	-	638.85
	02/03/2005	649.28	10.56	638.72	10.55	0.01	638.73
	03/01/2005	649.28	10.59	638.69	-	-	638.69
	04/07/2005	649.28	9.25	640.03	-	-	640.03
	05/03/2005	649.28	9.66	639.62	-	-	639.62
	06/01/2005	649.28	10.28	639.00	-	-	639.00
	07/05/2005	649.28	11.43	637.85	-	-	637.85
	08/01/2005	649.28	11.93	637.35	-	-	637.35
	09/07/2005	649.28	12.35	636.93	-	-	636.93
	10/05/2005	649.28	11.64	637.64	-	-	637.64
	11/08/2005	649.28	9.94	639.34	-	-	639.34
	12/09/2005	649.28	8.33	640.95	-	-	640.95
	01/06/2006	649.28	9.12	640.16	-	-	640.16
	02/02/2006	649.28	7.38	641.90	-	-	641.90
	03/21/2006	649.28	7.27	642.01	-	-	642.01
	04/06/2006	649.28	7.92	641.36	-	-	641.36
	05/11/2006	649.28	8.62	640.66	-	-	640.66
	06/12/2006	649.28	9.36	639.92	-	-	639.92
	07/07/2006	649.28	9.64	639.64	-	-	639.64
	09/19/2008	649.28	NR	-	NR	-	-
	10/23/2008	649.28	NR	-	NR	-	-
	12/30/2008	649.28	NR	-	NR	-	-
	01/28/2009	649.28	NR	-	NR	-	-
1795-TP10	12/02/2002	652.44	13.34	639.10	-	-	639.10
	01/06/2003	652.44	12.68	639.76	-	-	639.76
	02/07/2003	652.44	13.17	639.27	-	-	639.27
	09/02/2004	652.44	11.72	640.72	-	-	640.72
	10/04/2004	652.44	11.96	640.48	-	-	640.48
	11/01/2004	652.44	12.43	640.01	-	-	640.01
	12/03/2004	652.44	11.92	640.52	-	-	640.52
	01/04/2005	652.44	10.28	642.16	-	-	642.16
	02/03/2005	652.44	10.56	641.88	-	-	641.88
	03/01/2005	652.44	10.83	641.61	-	-	641.61
	04/07/2005	652.44	9.75	642.69	-	-	642.69
	05/03/2005	652.44	10.10	642.34	-	-	642.34
	06/01/2005	652.44	10.78	641.66	-	-	641.66
	07/05/2005	652.44	11.66	640.78	-	-	640.78
	08/01/2005	652.44	11.89	640.55	-	-	640.55
	09/07/2005	652.44	11.90	640.54	-	-	640.54
	10/05/2005	652.44	11.23	641.21	-	-	641.21
	11/08/2005	652.44	10.02	642.42	-	-	642.42
	12/09/2005	652.44	8.80	643.64	-	-	643.64
	01/06/2006	652.44	9.27	643.17	-	-	643.17
	02/02/2006	652.44	7.83	644.61	-	-	644.61

Well damaged during tree removal activities conducted in March 2006.

**Table C-1  
Historical Well Gauging Data Summary**

**Area 1795  
Fort Drum**

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
WWII003	09/15/2004	NR	13.17	-	-	-	-
	04/19/2005	NR	11.46	-	-	-	-
	04/25/2006	NR	11.05	-	-	-	-
	10/05/2006	NR	13.53	-	-	-	-
	05/23/2007	NR	10.61	-	-	-	-
WWII004	09/15/2004	NR	19.09	-	-	-	-
	04/19/2005	NR	17.10	-	-	-	-
	04/25/2006	NR	15.95	-	-	-	-
	10/05/2006	NR	19.53	-	-	-	-
	05/23/2007	NR	16.28	-	-	-	-
WWII005	09/15/2004	NR	29.90	-	-	-	-
	04/19/2005	NR	21.35	-	-	-	-
	04/25/2006	NR	19.46	-	-	-	-
	10/05/2006	NR	22.31	-	-	-	-
	05/23/2007	NR	18.87	-	-	-	-
WWII006	09/15/2004	NR	24.53	-	-	-	-
	04/19/2005	NR	23.85	-	-	-	-
	04/25/2006	NR	21.94	-	-	-	-
	10/05/2006	NR	24.86	-	-	-	-
	05/23/2007	NR	21.31	-	-	-	-

**Notes:**

NA = Not Available/Not Analyzed

ND = Not Detected

NR = Not Recorded





Table C-4  
Site 1795C  
February 2011 - April 2011 O&M Data  
Fort Drum, NY

Date	Time	System Condition	Sparge Hour Meter	Sparge Hours Operated	Sparge Influent Pressure (psi)	Sparge Influent Temperature (F)	Sparge Effluent Pressure (psi)	Sparge Effluent Temperature (F)	Sparge Differential Pressure (in H <sub>2</sub> O)	Notes
02/01/11	1250	On	24054.8	23.8	7.5	100.0	10.0	60.0	0.85	
02/02/11	1507	On	24080.9	26.1	7.5	100.0	9.5	60.0	0.85	
02/03/11	1056	On	24100.7	19.8	7.5	100.0	9.5	64.0	0.95	
02/07/11	1355	On	24199.8	99.1	6.5	120.0	8.5	78.0	0.85	
02/08/11	0820	oN	24218.2	18.4	7.0	94.0	9.5	52.0	0.85	
02/09/11	0802	On	24241.9	23.7	7.0	100.0	9.5	54.0	0.85	
02/10/11	0743	On	24265.6	23.7	7.0	86.0	9.5	50.0	0.90	
02/11/11	0914	On	24291.1	25.5	7.0	100.0	9.5	60.0	0.85	
02/14/11	1535	On	24369.5	78.4	6.0	120.0	8.5	76.0	0.80	
02/15/11	0948	On	24387.7	18.2	7.0	90.0	10.0	45.0	0.90	
02/16/11	0846	On	24410.6	22.9	7.0	108.0	9.0	68.0	0.90	
02/17/11	0814	On	24434.1	23.5	7.0	114.0	9.0	68.0	0.85	
02/18/11	0920	On	24459.2	25.1	6.0	136.0	7.0	90.0	0.80	
02/21/11	1340	On	24535.5	76.3	7.5	98.0	9.5	56.0	0.95	
02/22/11	1010	On	24556.1	20.6	7.0	92.0	10.0	56.0	0.95	
02/23/11	0858	On	24578.8	22.7	7.5	96.0	10.0	58.0	0.95	
02/24/11	1230	On	24606.3	27.5	6.5	120.0	9.0	82.0	0.90	
02/25/11	1311	On	24631.0	24.7	6.5	110.0	9.0	68.0	0.85	
02/28/11	1120	On	24701.2	70.2	6.5	124.0	8.5	80.0	0.80	
03/01/11	1225	On	24726.2	25.0	7.0	106.0	9.5	52.0	0.85	
03/02/11	921	On	24747.2	21.0	7.0	110.0	9.5	52.0	0.85	
03/03/11	1054	On	24772.8	25.6	7.0	92.0	10.0	52.0	0.95	
03/04/11	1003	On	24795.9	23.1	7.0	106.0	9.5	58.0	0.85	
03/07/11	1113	On	24869.1	73.2	7.0	100.0	10.0	50.0	0.85	
03/08/11	641	On	24888.6	19.5	7.0	92.0	10.0	48.0	0.90	
03/09/11	636	On	24912.5	23.9	7.0	108.0	10.0	54.0	0.85	
03/10/11	0819	On	24938.2	25.7	7.0	120.0	9.5	62.0	0.80	
03/11/11	0635	On	24960.4	22.2	7.0	130.0	9.0	70.0	0.75	
03/14/11	0712	On	25032.0	71.6	8.0	110.0	10.0	52.0	0.80	
03/15/11	0652	On	25055.7	23.7	7.0	106.0	10.0	58.0	0.80	
03/16/11	0953	On	25082.7	27.0	7.0	122.0	10.0	58.0	0.75	
03/17/11	801	On	25101.7	19.0	8.0	124.0	10.0	60.0	0.75	
03/18/11	0810	On	25125.8	24.1	7.0	138.0	9.5	70.0	0.60	
03/21/11	0734	On	25197.1	71.3	7.5	122.0	10.0	60.0	0.65	
03/22/11	1240	On	25226.3	29.2	7.5	122.0	10.0	60.0	0.75	
03/23/11	0931	On	25247.3	21.0	7.5	110.0	10.0	50.0	0.75	
03/24/11	0842	On	25268.4	21.1	6.0	120.0	9.5	72.0	0.75	
03/25/11	1000	On	25293.7	25.3	6.5	118.0	9.5	76.0	0.75	
03/28/11	1435	On	25370.2	76.5	6.0	130.0	9.5	88.0	0.75	
03/29/11	0754	On	25387.6	17.4	5.5	100.0	8.0	68.0	0.30	
03/30/11	1007	On	25413.8	26.2	5.0	112.0	7.5	80.0	0.25	
03/31/11	1008	On	25437.8	24.0	5.0	112.0	7.5	78.0	0.25	
04/01/11	0940	On	25461.3	23.5	6.0	110.0	8.0	58.0	0.25	
04/04/11	0936	On	25533.3	72.0	5.5	118.0	8.0	62.0	0.25	
04/05/11	1122	On	25559.1	25.8	5.0	110.0	9.0	58.0	0.25	
04/06/11	1040	On	25582.4	23.3	5.5	110.0	8.5	50.0	0.25	
04/07/11	0942	On	25605.4	23.0	5.5	110.0	9.0	58.0	0.25	
04/08/11	1106	On	25630.8	25.4	5.0	120.0	8.0	70.0	0.25	
04/11/11	0911	On	25700.9	70.1	4.5	138.0	7.5	82.0	0.25	
04/12/11	0811	On	25723.9	23.0	5.5	112.0	8.0	58.0	0.25	
04/13/11	0930	Off	25746.9	23.0	5.0	118.0	8.5	60.0	0.25	System off due to a power outage
04/14/11	1010	On	25771.6	24.7	5.5	110.0	9.0	48.0	0.25	
04/15/11	800	On	25793.3	21.7	5.5	100.0	9.5	54.0	0.25	System deactivated for the basewide sampling event
04/18/11	NR	Off	NR	NR	NR	NR	NR	NR	NR	Off for sampling
04/19/11	NR	Off	NR	NR	NR	NR	NR	NR	NR	Off for sampling
04/20/11	NR	Off	NR	NR	NR	NR	NR	NR	NR	Off for sampling
04/21/11	NR	Off	NR	NR	NR	NR	NR	NR	NR	System restarted
04/22/11	0616	On	25809.5	16.2	5.5	106.0	9.5	54.0	0.25	
04/26/11	1030	Off	25889.3	79.8	5.0	130.0	8.0	72.0	0.25	System off due to a power outage
04/27/11	0830	On	25911.3	22.0	5.0	140.0	7.0	82.0	0.25	
04/28/11	1055	On	25937.7	26.4	4.5	148.0	7.0	92.0	0.25	
04/29/11	1100	On	25961.7	24.0	5.0	120.0	8.0	68.0	0.25	

Notes:  
NR = Not Recorded.  
psi = Pressure per Square Inch  
F = degrees Fahrenheit  
in H<sub>2</sub>O = inches Water

**APPENDIX D**

**Summary of Well Gauging Results and Operation and Maintenance Data**

**Areas 3805 and 1995**



**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
1995-MW42	09/16/2004	NR	24.36	-	-	-	-
	04/20/2005	NR	24.55	-	-	-	-
	04/26/2006	NR	22.40	-	-	-	-
	10/04/2006	NR	42.63	-	-	-	-
	05/25/2007	NR	NR	-	NR	-	-
1995-MW43	09/16/2004	NR	25.78	-	-	-	-
	04/20/2005	NR	25.41	-	-	-	-
	04/26/2006	NR	23.81	-	-	-	-
	10/04/2006	NR	26.02	-	-	-	-
	05/25/2007	NR	NR	-	NR	-	-
1995-MWS1	09/16/2004	NR	21.94	-	-	-	-
	04/20/2005	NR	21.57	-	-	-	-
	04/26/2006	NR	20.02	-	-	-	-
	10/04/2006	NR	22.39	-	-	-	-
	05/25/2007	NR	19.68	-	-	-	-
1995-MWS2	09/16/2004	NR	36.94	-	-	-	-
	04/20/2005	NR	35.81	-	-	-	-
	04/26/2006	NR	36.25	-	-	-	-
	10/04/2006	NR	23.45	-	-	-	-
	05/25/2007	NR	36.01	-	-	-	-
1995-MWS3	09/16/2004	NR	NR	-	NR	-	-
	04/20/2005	NR	30.05	-	-	-	-
	04/26/2006	NR	28.76	-	-	-	-
	10/04/2006	NR	31.18	-	-	-	-
	05/25/2007	NR	28.41	-	-	-	-
1995-MWS6	12/04/2002	669.02	26.92	642.10	-	-	642.10
	01/03/2003	669.02	26.53	642.49	-	-	642.49
	02/03/2003	669.02	26.45	642.57	-	-	642.57
	09/16/2004	669.02	24.84	644.18	-	-	644.18
	04/20/2005	669.02	24.28	644.74	-	-	644.74
	04/26/2006	669.02	22.76	646.26	-	-	646.26
	10/04/2006	669.02	25.08	643.94	-	-	643.94
	05/25/2007	669.02	22.35	646.67	-	-	646.67
1995-MWS9	12/04/2002	659.24	26.61	632.63	26.15	0.46	632.98
	01/03/2003	659.24	25.78	633.46	-	-	633.46
	02/03/2003	659.24	25.72	633.52	-	-	633.52
	05/25/2007	659.24	NR	-	NR	-	-
1995-MWS10	12/04/2002	659.24	26.61	632.63	26.23	0.38	632.92
	01/03/2003	659.24	25.89	633.35	25.79	0.10	633.43
	02/03/2003	659.24	25.75	633.49	-	-	633.49
	05/25/2007	659.24	31.21	628.03	-	-	628.03

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
1995-PZ4	12/04/2002	668.55	26.26	642.29	-	-	642.29
	01/03/2003	668.55	25.84	642.71	-	-	642.71
	02/03/2003	668.55	25.77	642.78	-	-	642.78
	09/16/2004	668.55	24.09	644.46	-	-	644.46
	04/20/2005	668.55	23.60	644.95	-	-	644.95
	04/26/2006	668.55	22.04	646.51	-	-	646.51
	10/04/2006	668.55	24.70	643.85	-	-	643.85
	05/25/2007	668.55	21.61	646.94	-	-	646.94
1995-PZ5	12/04/2002	667.77	26.51	641.26	26.49	0.02	641.28
	01/03/2003	667.77	26.07	641.70	-	-	641.70
	02/03/2003	667.77	25.98	641.79	-	-	641.79
	09/16/2004	667.77	24.34	643.43	-	-	643.43
	04/20/2005	667.77	23.76	644.01	-	-	644.01
	04/26/2006	667.77	22.25	645.52	-	-	645.52
	10/04/2006	667.77	24.74	643.03	-	-	643.03
	05/25/2007	667.77	21.66	646.11	-	-	646.11
1995-PZ6	12/04/2002	664.48	26.42	638.06	-	-	638.06
	01/03/2003	664.48	25.95	638.53	-	-	638.53
	02/03/2003	664.48	25.91	638.57	-	-	638.57
	09/16/2004	664.48	24.07	640.41	-	-	640.41
	04/20/2005	664.48	23.43	641.05	-	-	641.05
	04/26/2006	664.48	22.25	642.23	-	-	642.23
	10/04/2006	664.48	25.50	638.98	-	-	638.98
	05/25/2007	664.48	21.90	642.58	-	-	642.58
1995-PZ8	12/04/2002	669.97	26.81	643.16	-	-	643.16
	01/03/2003	669.97	26.40	643.57	-	-	643.57
	02/03/2003	669.97	26.35	643.62	-	-	643.62
	09/16/2004	669.97	24.60	645.37	-	-	645.37
	04/20/2005	669.97	24.04	645.93	-	-	645.93
	04/26/2006	669.97	22.60	647.37	-	-	647.37
	10/04/2006	669.97	24.92	645.05	-	-	645.05
	05/25/2007	669.97	22.20	647.77	-	-	647.77
1995-PZ13S	12/04/2002	645.09	NR	-	NR	-	-
	01/03/2003	645.09	NR	-	NR	-	-
	02/03/2003	645.09	24.33	620.76	-	-	620.76
1995-RW4	12/04/2002	668.31	26.07	642.24	-	-	642.24
	01/03/2003	668.31	26.07	642.24	-	-	642.24
	02/03/2003	668.31	26.01	642.30	-	-	642.30
	09/16/2004	668.31	24.36	643.95	-	-	643.95
	04/20/2005	668.31	23.81	644.50	-	-	644.50
	04/26/2006	668.31	22.28	646.03	-	-	646.03
	10/04/2006	668.31	24.75	643.56	-	-	643.56
	05/25/2007	668.31	21.70	646.61	-	-	646.61

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
3805-002	12/04/2002	661.50	20.53	640.97	-	-	640.97
	01/03/2003	661.50	20.13	641.37	-	-	641.37
	02/03/2003	661.50	20.20	641.30	-	-	641.30
	09/16/2004	661.50	17.27	644.23	-	-	644.23
	04/20/2005	661.50	15.97	645.53	15.96	0.01	645.54
	04/26/2006	661.50	12.60	648.90	-	-	648.90
	10/04/2006	661.50	18.08	643.42	-	-	643.42
	05/25/2007	661.50	14.95	646.55	-	-	646.55
3805-003	12/04/2002	662.55	21.85	640.70	-	-	640.70
	01/03/2003	662.55	21.50	641.05	-	-	641.05
	02/03/2003	662.55	21.47	641.08	-	-	641.08
	09/16/2004	662.55	18.84	643.71	-	-	643.71
	04/20/2005	662.55	18.07	644.48	-	-	644.48
	04/26/2006	662.55	16.19	646.36	-	-	646.36
	10/04/2006	662.55	19.55	643.00	-	-	643.00
	05/25/2007	662.55	16.61	645.94	-	-	645.94
3805-014	12/04/2002	656.64	18.01	638.63	-	-	638.63
	01/03/2003	656.64	17.63	639.01	-	-	639.01
	02/03/2003	656.64	NR	-	NR	-	-
	09/16/2004	656.64	14.50	642.14	-	-	642.14
	04/20/2005	656.64	13.23	643.41	-	-	643.41
	04/26/2006	656.64	12.62	644.02	-	-	644.02
	10/04/2006	656.64	15.70	640.94	-	-	640.94
	05/25/2007	656.64	12.21	644.43	-	-	644.43
3805-015	09/16/2004	NR	14.73	-	-	-	-
	04/20/2005	NR	13.75	-	-	-	-
	04/26/2006	NR	12.50	-	-	-	-
	10/04/2006	NR	15.64	-	-	-	-
	05/25/2007	NR	12.37	-	-	-	-
3805-016	09/16/2004	NR	16.46	-	-	-	-
	04/20/2005	NR	15.51	-	-	-	-
	04/26/2006	NR	14.53	-	-	-	-
	10/04/2006	NR	17.42	-	-	-	-
	05/25/2007	NR	14.22	-	-	-	-
3805-MW39	09/16/2004	NR	18.18	-	-	-	-
	04/20/2005	NR	15.03	-	-	-	-
	04/26/2006	NR	16.30	-	-	-	-
	10/04/2006	NR	18.90	-	-	-	-
	05/25/2007	NR	16.09	-	-	-	-
3805-MW40	09/16/2004	NR	20.32	-	-	-	-
	04/20/2005	NR	19.72	-	-	-	-
	04/26/2006	NR	18.38	-	-	-	-
	10/04/2006	NR	20.92	-	-	-	-
	05/25/2007	NR	18.13	-	-	-	-

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
3805-MW41	09/16/2004	NR	16.05	-	-	-	-
	04/20/2005	NR	16.10	-	-	-	-
	04/26/2006	NR	14.27	-	-	-	-
	10/04/2006	NR	16.65	-	-	-	-
	05/25/2007	NR	14.11	-	-	-	-
3805-MWD10	09/16/2004	NR	27.47	-	-	-	-
	04/20/2005	NR	26.17	-	-	-	-
	04/26/2006	NR	25.46	-	-	-	-
	10/04/2006	NR	28.14	-	-	-	-
	05/25/2007	NR	25.08	-	-	-	-
3805-MWD13	09/16/2004	NR	30.22	-	-	-	-
	04/20/2005	NR	29.40	-	-	-	-
	04/26/2006	NR	29.02	-	-	-	-
	10/04/2006	NR	30.62	-	-	-	-
	05/25/2007	NR	28.83	-	-	-	-
3805-MWD16	09/16/2004	NR	31.11	-	-	-	-
	04/20/2005	NR	30.61	-	-	-	-
	04/26/2006	NR	30.49	-	-	-	-
	10/04/2006	NR	31.12	-	-	-	-
	05/25/2007	NR	30.40	-	-	-	-
3805-MWD18	09/16/2004	NR	31.87	-	-	-	-
	04/20/2005	NR	31.60	-	-	-	-
	04/26/2006	NR	31.49	-	-	-	-
	10/04/2006	NR	32.41	-	-	-	-
	05/25/2007	NR	31.35	-	-	-	-
3805-MWI6	09/16/2004	NR	16.81	-	-	-	-
	04/20/2005	NR	14.92	-	-	-	-
3805-MWI9	09/16/2004	NR	26.28	-	-	-	-
	04/20/2005	NR	24.96	-	-	-	-
	04/26/2006	NR	24.22	-	-	-	-
	10/04/2006	NR	26.92	-	-	-	-
	05/25/2007	NR	23.86	-	-	-	-
3805-MWI12	09/16/2004	NR	30.10	-	-	-	-
	04/20/2005	NR	29.24	-	-	-	-
	04/26/2006	NR	28.83	-	-	-	-
	10/04/2006	NR	30.53	-	-	-	-
	05/25/2007	NR	28.66	-	-	-	-
3805-MWI15	09/16/2004	NR	29.41	-	-	-	-
	04/20/2005	NR	28.86	-	-	-	-
	04/26/2006	NR	28.71	-	-	-	-
	10/04/2006	NR	29.43	-	-	-	-
	05/25/2007	NR	28.67	-	-	-	-

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
3805-MWI17	09/16/2004	NR	31.89	-	-	-	-
	04/20/2005	NR	31.61	-	-	-	-
	04/26/2006	NR	31.48	-	-	-	-
	10/04/2006	NR	32.36	-	-	-	-
	05/25/2007	NR	31.43	-	-	-	-
3805-MWI20	09/16/2004	NR	15.77	-	-	-	-
	04/20/2005	NR	14.69	-	-	-	-
	04/26/2006	NR	14.66	-	-	-	-
	10/04/2006	NR	16.21	-	-	-	-
	05/25/2007	NR	14.55	-	-	-	-
3805-MWI22	09/16/2004	NR	2.48	-	-	-	-
	04/20/2005	NR	1.68	-	-	-	-
	04/26/2006	NR	6.36	-	-	-	-
	10/04/2006	NR	9.27	-	-	-	-
	05/25/2007	NR	1.84	-	-	-	-
3805-MWS1	09/16/2004	NR	10.95	-	-	-	-
	04/20/2005	NR	9.86	-	-	-	-
	04/26/2006	NR	8.29	-	-	-	-
	10/04/2006	NR	11.58	-	-	-	-
	05/25/2007	NR	8.36	-	-	-	-
3805-MWS2	09/16/2004	NR	10.70	-	-	-	-
	04/20/2005	NR	9.45	-	-	-	-
	04/26/2006	NR	7.96	-	-	-	-
	10/04/2006	NR	11.33	-	-	-	-
	05/25/2007	NR	8.12	-	-	-	-
3805-MWS3	09/16/2004	NR	18.11	-	-	-	-
	04/20/2005	NR	16.86	-	-	-	-
	04/26/2006	NR	16.08	-	-	-	-
	10/04/2006	NR	18.98	-	-	-	-
	05/25/2007	NR	15.71	-	-	-	-
3805-MWS4	12/04/2002	634.98	32.32	602.66	-	-	602.66
	01/03/2003	634.98	32.32	602.66	-	-	602.66
	02/03/2003	634.98	32.39	602.59	-	-	602.59
	09/16/2004	634.98	32.17	602.81	-	-	602.81
	04/20/2005	634.98	31.88	603.10	-	-	603.10
	04/26/2006	634.98	31.74	603.24	-	-	603.24
	10/04/2006	634.98	32.68	602.30	-	-	602.30
	05/25/2007	634.98	31.70	603.28	-	-	603.28
3805-MWS5	12/04/2002	659.24	19.52	639.72	-	-	639.72
	01/03/2003	659.24	19.23	640.01	-	-	640.01
	02/03/2003	659.24	19.33	639.91	-	-	639.91
	09/16/2004	659.24	15.61	643.63	-	-	643.63
	04/20/2005	659.24	NR	-	NR	-	-

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/26/2006	659.24	14.50	644.74	-	-	644.74
	10/04/2006	659.24	16.66	642.58	-	-	642.58
	05/25/2007	659.24	13.64	645.60	-	-	645.60
3805-MWS8	09/16/2004	NR	26.67	-	-	-	-
	04/20/2005	NR	25.34	-	-	-	-
	04/26/2006	NR	25.58	-	-	-	-
	10/04/2006	NR	27.31	-	-	-	-
	05/25/2007	NR	24.23	-	-	-	-
3805-MWS11	12/04/2002	654.66	30.32	624.34	-	-	624.34
	01/03/2003	654.66	30.14	624.52	-	-	624.52
	02/03/2003	654.66	30.22	624.44	-	-	624.44
	09/16/2004	654.66	28.95	625.71	-	-	625.71
	04/20/2005	654.66	28.13	626.53	-	-	626.53
	04/26/2006	654.66	27.69	626.97	-	-	626.97
	10/04/2006	654.66	29.45	625.21	-	-	625.21
	05/25/2007	654.66	27.56	627.10	-	-	627.10
3805-MWS14	09/16/2004	NR	29.02	-	-	-	-
	04/20/2005	NR	28.48	-	-	-	-
	04/26/2006	NR	28.22	-	-	-	-
	10/04/2006	NR	29.06	-	-	-	-
	05/25/2007	NR	28.22	-	-	-	-
3805-MWS19	09/16/2004	NR	14.66	-	-	-	-
	04/20/2005	NR	13.19	-	-	-	-
	04/26/2006	NR	13.26	-	-	-	-
	10/04/2006	NR	15.30	-	-	-	-
	05/25/2007	NR	13.21	-	-	-	-
3805-MWS21	09/16/2004	NR	10.14	-	-	-	-
	04/20/2005	NR	9.76	-	-	-	-
	04/26/2006	NR	9.77	-	-	-	-
	10/04/2006	NR	10.40	-	-	-	-
	05/25/2007	NR	9.83	-	-	-	-
3805-MWS23	12/04/2002	662.18	NR	-	NR	-	-
	01/03/2003	662.18	18.89	643.29	18.45	0.44	643.62
	02/03/2003	662.18	19.35	642.83	18.65	0.70	643.36
	09/16/2004	662.18	16.06	646.12	-	-	646.12
	04/20/2005	662.18	14.02	648.16	-	-	648.16
	04/26/2006	662.18	14.05	648.13	-	-	648.13
	10/04/2006	662.18	16.70	645.48	-	-	645.48
	05/25/2007	662.18	13.81	648.37	-	-	648.37
3805-MWS24	12/04/2002	657.73	23.45	634.28	-	-	634.28
	01/03/2003	657.73	23.25	634.48	-	-	634.48
	02/03/2003	657.73	23.30	634.43	23.29	0.01	634.44
	09/16/2004	657.73	20.08	637.65	-	-	637.65

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/20/2005	657.73	19.13	638.60	-	-	638.60
	04/26/2006	657.73	19.28	638.45	-	-	638.45
	10/04/2006	657.73	19.60	638.13	-	-	638.13
	05/25/2007	657.73	18.57	639.16	-	-	639.16
3805-P1	12/04/2002	658.71	19.09	639.62	-	-	639.62
	01/03/2003	658.71	18.85	639.86	-	-	639.86
	02/03/2003	658.71	18.95	639.76	-	-	639.76
	09/16/2004	658.71	15.50	643.21	-	-	643.21
	04/20/2005	658.71	13.84	644.87	-	-	644.87
	04/26/2006	658.71	13.53	645.18	-	-	645.18
	10/04/2006	658.71	16.50	642.21	-	-	642.21
	05/25/2007	658.71	13.06	645.65	-	-	645.65
3805-P4	12/04/2002	658.21	18.45	639.76	-	-	639.76
	01/03/2003	658.21	18.09	640.12	-	-	640.12
	02/03/2003	658.21	18.16	640.05	-	-	640.05
	09/16/2004	658.21	14.84	643.37	-	-	643.37
	04/20/2005	658.21	13.36	644.85	-	-	644.85
	04/26/2006	658.21	12.89	645.32	-	-	645.32
	10/04/2006	658.21	15.84	642.37	-	-	642.37
	05/25/2007	658.21	12.48	645.73	-	-	645.73
3805-P5	12/04/2002	657.94	16.74	641.20	16.50	0.24	641.38
	01/03/2003	657.94	16.09	641.85	-	-	641.85
	02/03/2003	657.94	16.23	641.71	16.21	0.02	641.73
Well Decommissioned During Source Area Construction							
3805-P7	12/04/2002	660.08	19.85	640.23	-	-	640.23
	01/03/2003	660.08	19.54	640.54	-	-	640.54
	02/03/2003	660.08	21.90	638.18	-	-	638.18
	09/16/2004	660.08	16.34	643.74	-	-	643.74
	04/20/2005	660.08	15.15	644.93	-	-	644.93
	04/26/2006	660.08	14.38	645.70	-	-	645.70
	10/04/2006	660.08	17.33	642.75	-	-	642.75
	05/25/2007	660.08	14.12	645.96	-	-	645.96
3805-PZ1	12/04/2002	659.19	21.62	637.57	-	-	637.57
	01/03/2003	659.19	21.31	637.88	-	-	637.88
	02/03/2003	659.19	21.31	637.88	-	-	637.88
	09/16/2004	659.19	18.52	640.67	-	-	640.67
	04/20/2005	659.19	17.17	642.02	-	-	642.02
	04/26/2006	659.19	16.76	642.43	-	-	642.43
	10/04/2006	659.19	19.24	639.95	-	-	639.95
	05/25/2007	659.19	16.41	642.78	-	-	642.78
3805-PZ2D	09/16/2004	NR	19.21	-	-	-	-
	04/20/2005	NR	17.75	-	-	-	-
	04/26/2006	NR	17.28	-	-	-	-
	10/04/2006	NR	18.90	-	-	-	-
	05/25/2007	NR	16.75	-	-	-	-

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
3805-PZ2I	09/16/2004	NR	18.99	-	-	-	-
	04/20/2005	NR	17.50	-	-	-	-
	04/26/2006	NR	17.08	-	-	-	-
	10/04/2006	NR	18.56	-	-	-	-
	05/25/2007	NR	16.55	-	-	-	-
3805-PZ2S	12/04/2002	657.96	21.88	636.08	-	-	636.08
	01/03/2003	657.96	21.66	636.30	-	-	636.30
	02/03/2003	657.96	21.65	636.31	-	-	636.31
	09/16/2004	657.96	19.21	638.75	-	-	638.75
	04/20/2005	657.96	17.66	640.30	-	-	640.30
	04/26/2006	657.96	17.26	640.70	-	-	640.70
	10/04/2006	657.96	18.95	639.01	-	-	639.01
	05/25/2007	657.96	16.71	641.25	-	-	641.25
3805-PZ3	12/04/2002	655.86	NR	-	NR	-	-
	01/03/2003	655.86	23.11	632.75	-	-	632.75
	02/03/2003	655.86	23.13	632.73	-	-	632.73
	09/16/2004	655.86	20.78	635.08	-	-	635.08
	04/20/2005	655.86	19.26	636.60	-	-	636.60
	04/26/2006	655.86	19.22	636.64	-	-	636.64
	10/04/2006	655.86	21.38	634.48	-	-	634.48
	05/25/2007	655.86	18.83	637.03	-	-	637.03
3805-PZ7	12/04/2002	659.01	22.24	636.77	-	-	636.77
	01/03/2003	659.01	21.91	637.10	-	-	637.10
	02/03/2003	659.01	NR	-	NR	-	-
	09/16/2004	659.01	19.82	639.19	-	-	639.19
	04/20/2005	659.01	18.83	640.18	-	-	640.18
	04/26/2006	659.01	17.97	641.04	-	-	641.04
	10/04/2006	659.01	20.26	638.75	-	-	638.75
	05/25/2007	659.01	17.60	641.41	-	-	641.41
3805-PZ9	12/04/2002	659.08	NR	-	NR	-	-
	01/03/2003	659.08	15.63	643.45	14.80	0.83	644.08
	02/03/2003	659.08	15.78	643.30	15.22	0.56	643.73
	09/16/2004	659.08	14.41	644.67	11.93	2.48	646.55
	04/20/2005	659.08	12.04	647.04	10.69	1.35	648.07
	04/26/2006	659.08	11.26	647.82	10.16	1.10	648.66
	10/04/2006	659.08	14.29	644.79	13.05	1.24	645.73
	05/25/2007	659.08	10.51	648.57	9.95	0.56	649.00
	09/18/2008	659.08	13.14	645.94	-	-	645.94
	10/23/2008	659.08	13.56	645.52	-	-	645.52
	12/31/2008	659.08	12.89	646.19	-	-	646.19
	01/28/2009	659.08	11.99	647.09	-	-	647.09
	02/25/2009	659.08	11.76	647.32	-	-	647.32
	03/27/2009	659.08	11.79	647.29	-	-	647.29
	04/29/2009	659.08	12.23	646.85	Sheen	-	646.85
	05/20/2009	659.08	12.87	646.21	-	-	646.21
	06/25/2009	659.08	11.94	647.14	-	-	647.14



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**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	07/21/2009	659.08	11.99	647.09	-	-	647.09
	08/25/2009	659.08	12.70	646.38	-	-	646.38
	09/16/2009	659.08	13.55	645.53	-	-	645.53
	10/14/2009	659.08	12.26	646.82	-	-	646.82
	11/10/2009	659.08	12.31	646.77	-	-	646.77
	12/14/2009	659.08	12.37	646.71	-	-	646.71
	01/11/2010	659.08	12.52	646.56	-	-	646.56
	02/10/2010	659.08	12.45	646.63	-	-	646.63
	03/10/2010	659.08	12.51	646.57	-	-	646.57
	04/14/2010	659.08	12.56	646.52	-	-	646.52
	05/12/2010	659.08	12.63	646.45	-	-	646.45
	06/17/2010	659.08	13.17	645.91	-	-	645.91
	07/14/2010	659.08	13.27	645.81	-	-	645.81
	08/09/2010	659.08	13.31	645.77	-	-	645.77
	09/16/2010	659.08	16.44	642.64	-	-	642.64
	10/13/2010	659.08	13.36	645.72	-	-	645.72
	11/16/2010	659.08	13.38	645.70	-	-	645.70
	12/16/2010	659.08	13.56	645.52	-	-	645.52
	01/13/2011	659.08	14.86	644.22	-	-	644.22
	03/14/2011	659.08	13.94	645.14	-	-	645.14
	04/12/2011	659.08	14.93	644.15	-	-	644.15
3805-PZ10	12/04/2002	659.63	NR	-	NR	-	-
	01/03/2003	659.63	16.55	643.08	15.49	1.06	643.89
	02/03/2003	659.63	17.30	642.33	15.71	1.59	643.54
	09/16/2004	659.63	13.74	645.89	13.22	0.52	646.29
	04/20/2005	659.63	11.29	648.34	11.22	0.07	648.39
	04/26/2006	659.63	12.91	646.72	10.82	2.09	648.31
	10/04/2006	659.63	14.96	644.67	13.82	1.14	645.54
	05/25/2007	659.63	13.16	646.47	10.58	2.58	648.43
	09/18/2008	659.63	16.05	643.58	13.05	3.00	645.86
	10/23/2008	659.63	16.25	643.38	13.28	2.97	645.64
	12/31/2008	659.63	12.75	646.88	9.85	2.90	649.08
	01/28/2009	659.63	13.86	645.77	10.96	2.90	647.97
	02/25/2009	659.63	13.55	646.08	10.63	2.92	648.30
	03/27/2009	659.63	11.95	647.68	11.88	0.07	647.73
	04/29/2009	659.63	11.49	648.14	-	-	648.14
	05/20/2009	659.63	11.48	648.15	-	-	648.15
	06/25/2009	659.63	11.31	648.32	-	-	648.32
	07/21/2009	659.63	12.73	646.90	-	-	646.90
	08/25/2009	659.63	12.70	646.93	-	-	646.93
	09/16/2009	659.63	12.23	647.40	-	-	647.40
	10/14/2009	659.63	14.23	645.40	-	-	645.40
	11/10/2009	659.63	14.84	644.79	13.82	1.02	645.81
	12/14/2009	659.63	15.39	644.24	-	-	644.24
	01/11/2010	659.63	15.54	644.09	-	-	644.09
	02/10/2010	659.63	15.58	644.05	-	-	644.05
	03/10/2010	659.63	16.29	643.34	-	-	643.34
	04/14/2010	659.63	15.78	643.85	-	-	643.85
	05/12/2010	659.63	16.41	643.22	-	-	643.22

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Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/17/2010	659.63	16.71	642.92	-	-	642.92
	07/14/2010	659.63	16.86	642.77	-	-	642.77
	08/09/2010	659.63	16.51	643.12	-	-	643.12
	09/16/2010	659.63	13.32	646.31	-	-	646.31
	10/13/2010	659.63	14.84	644.79	-	-	644.79
	11/16/2010	659.63	15.29	644.34	-	-	644.34
	12/16/2010	659.63	14.58	645.05	-	-	645.05
	01/13/2011	659.63	13.53	646.10	-	-	646.10
	03/14/2011	659.63	13.61	646.02	-	-	646.02
	04/12/2011	659.63	13.52	646.11	-	-	646.11
3805-PZ11	12/04/2002	655.38	23.40	631.98	-	-	631.98
	01/03/2003	655.38	23.04	632.34	-	-	632.34
	02/03/2003	655.38	23.05	632.33	-	-	632.33
	09/16/2004	655.38	20.84	634.54	-	-	634.54
	04/20/2005	655.38	19.47	635.91	-	-	635.91
	04/26/2006	655.38	19.26	636.12	-	-	636.12
	10/04/2006	655.38	21.62	633.76	-	-	633.76
	05/25/2007	655.38	18.92	636.46	-	-	636.46
3805-PZ12	04/20/2005	NR	24.63	-	-	-	-
	04/26/2006	NR	24.10	-	-	-	-
	10/04/2006	NR	26.14	-	-	-	-
	05/25/2007	NR	24.06	-	-	-	-
3805-PZ12D	09/16/2004	NR	25.90	-	-	-	-
Well Decomissioned During Souorce Area Construction							
3805-PZ12S	12/04/2002	655.50	27.30	628.20	26.52	0.78	628.79
	01/03/2003	655.50	27.25	628.25	26.15	1.10	629.09
	02/03/2003	655.50	26.37	629.13	26.18	0.19	629.27
	09/16/2004	655.50	24.83	630.67	-	-	630.67
	04/20/2005	655.50	23.58	631.92	-	-	631.92
	04/26/2006	655.50	23.30	632.20	-	-	632.20
	10/04/2006	655.50	25.30	630.20	-	-	630.20
	05/25/2007	655.50	22.95	632.55	-	-	632.55
3805-PZ13D	09/16/2004	NR	23.70	-	-	-	-
	04/20/2005	NR	22.93	-	-	-	-
	04/26/2006	NR	23.21	-	-	-	-
	10/04/2006	NR	24.12	-	-	-	-
	05/25/2007	NR	22.13	-	-	-	-
3805-PZ13I	09/16/2004	NR	25.07	-	-	-	-
	04/20/2005	NR	25.00	-	-	-	-
	04/26/2006	NR	24.30	-	-	-	-
	10/04/2006	NR	26.18	-	-	-	-
	05/25/2007	NR	24.26	-	-	-	-
3805-PZ13S	09/16/2004	NR	23.26	-	-	-	-
	04/20/2005	NR	24.44	-	-	-	-
	04/26/2006	NR	21.84	-	-	-	-

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**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	10/04/2006 05/25/2007	NR NR	23.63 21.73	- -	- -	- -	- -
3805-PZ14	12/04/2002 01/03/2003 02/03/2003 09/16/2004 04/20/2005 04/26/2006 10/04/2006 05/25/2007	660.39 660.39 660.39 660.39 660.39 660.39 660.39 660.39	21.28 20.98 21.02 17.92 16.87 15.91 17.78 15.60	639.11 639.41 639.37 642.47 643.52 644.48 642.61 644.79	21.08 20.92 20.94 - - - - -	0.20 0.06 0.08 - - - - -	639.26 639.46 639.43 642.47 643.52 644.48 642.61 644.79
3805-PZ15	12/04/2002 01/03/2003 02/03/2003 09/16/2004 04/20/2005 04/26/2006 10/04/2006 05/25/2007	657.61 657.61 657.61 657.61 657.61 657.61 657.61 657.61	19.77 19.61 19.68 16.36 15.11 14.44 17.60 13.86	637.84 638.00 637.93 641.25 642.50 643.17 640.01 643.75	19.34 19.40 19.54 - - - - -	0.43 0.21 0.14 - - - - -	638.17 638.16 638.04 641.25 642.50 643.17 640.01 643.75
3805-RW1	12/04/2002 01/03/2003 02/03/2003 09/16/2004 04/20/2005 04/26/2006 10/04/2006 05/25/2007	658.55 658.55 658.55 658.55 658.55 658.55 658.55 658.55	18.39 17.93 18.05 15.00 13.52 13.04 16.00 12.64	640.16 640.62 640.50 643.55 645.03 645.51 642.55 645.91	18.37 - - - - - - -	0.02 - - - - - - -	640.18 640.62 640.50 643.55 645.03 645.51 642.55 645.91
3805-RW2	12/04/2002 01/03/2003 02/03/2003 09/16/2004 04/20/2005 04/26/2006 10/04/2006 05/25/2007	658.44 658.44 658.44 658.44 658.44 658.44 658.44 658.44	NR 14.80 15.45 12.98 10.21 10.06 12.44 9.85	- 643.64 642.99 645.46 648.23 648.38 646.00 648.59	NR 14.39 14.65 12.98 10.06 10.01 - 9.75	- 0.41 0.80 0.00 0.15 0.05 - 0.10	- 643.95 643.60 645.46 648.34 648.42 646.00 648.67
3805-RW3	12/04/2002 01/03/2003 02/03/2003 09/16/2004 04/20/2005 04/26/2006 10/04/2006 05/25/2007	656.23 656.23 656.23 656.23 656.23 656.23 656.23 656.23	23.98 23.66 23.65 21.35 21.12 19.79 22.07 19.41	632.25 632.57 632.58 634.88 635.11 636.44 634.16 636.82	- - - - - - - -	- - - - - - - -	632.25 632.57 632.58 634.88 635.11 636.44 634.16 636.82
3805-RW5	12/04/2002 01/03/2003 02/03/2003	658.31 658.31 658.31	19.76 25.17 25.68	638.55 633.14 632.63	- - 25.40	- - 0.28	638.55 633.14 632.84

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/16/2004	658.31	16.99	641.32	16.41	0.58	641.76
	04/20/2005	658.31	15.48	642.83	15.46	0.02	642.85
	04/26/2006	658.31	14.40	643.91	-	-	643.91
	10/04/2006	658.31	17.60	640.71	-	-	640.71
	05/25/2007	658.31	13.87	644.44	-	-	644.44
3805-RW6	12/04/2002	658.93	21.53	637.40	-	-	637.40
	01/03/2003	658.93	21.22	637.71	-	-	637.71
	02/03/2003	658.93	21.24	637.69	-	-	637.69
	09/16/2004	658.93	18.67	640.26	-	-	640.26
	04/20/2005	658.93	17.62	641.31	-	-	641.31
	04/26/2006	658.93	16.79	642.14	-	-	642.14
	10/04/2006	658.93	19.12	639.81	-	-	639.81
	05/25/2007	658.93	16.40	642.53	-	-	642.53
3805-RW7	12/04/2002	659.01	19.08	639.93	19.05	0.03	639.95
	01/03/2003	659.01	18.90	640.11	18.60	0.30	640.34
	02/03/2003	659.01	18.74	640.27	18.72	0.02	640.29
	09/16/2004	659.01	15.51	643.50	-	-	643.50
	04/20/2005	659.01	13.85	645.16	-	-	645.16
	04/26/2006	659.01	13.55	645.46	-	-	645.46
	10/04/2006	659.01	16.45	642.56	-	-	642.56
	05/25/2007	659.01	13.05	645.96	-	-	645.96
3805-RW8	12/04/2002	657.55	23.56	633.99	23.43	0.13	634.09
	01/03/2003	657.55	23.29	634.26	23.27	0.02	634.28
	02/03/2003	657.55	23.31	634.24	-	-	634.24
	09/16/2004	657.55	20.06	637.49	-	-	637.49
	04/20/2005	657.55	19.20	638.35	-	-	638.35
	04/26/2006	657.55	19.31	638.24	-	-	638.24
	10/04/2006	657.55	20.15	637.40	-	-	637.40
	05/25/2007	657.55	18.73	638.82	-	-	638.82
3805-RW9	12/04/2002	656.33	20.78	635.55	20.25	0.53	635.95
	01/03/2003	656.33	27.78	628.55	26.73	1.05	629.35
	02/03/2003	656.33	31.10	625.23	30.21	0.89	625.91
	09/16/2004	656.33	17.82	638.51	17.42	0.40	638.81
	04/20/2005	656.33	15.80	640.53	-	-	640.53
	04/26/2006	656.33	15.72	640.61	-	-	640.61
	10/04/2006	656.33	17.31	639.02	-	-	639.02
	05/25/2007	656.33	15.13	641.20	-	-	641.20
3805-RW10	12/04/2002	657.51	22.46	635.05	22.36	0.10	635.13
	01/03/2003	657.51	22.13	635.38	-	-	635.38
	02/03/2003	657.51	22.11	635.40	-	-	635.40
	09/16/2004	657.51	20.09	637.42	20.08	0.01	637.43
	04/20/2005	657.51	18.35	639.16	-	-	639.16
	04/26/2006	657.51	18.18	639.33	-	-	639.33
	10/04/2006	657.51	19.75	637.76	-	-	637.76
	05/25/2007	657.51	17.50	640.01	-	-	640.01

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
3805-RW11	12/04/2002	658.74	21.81	636.93	-	-	636.93
	01/03/2003	658.74	26.02	632.72	26.00	0.02	632.74
	02/03/2003	658.74	26.05	632.69	-	-	632.69
	09/16/2004	658.74	18.75	639.99	-	-	639.99
	04/20/2005	658.74	17.55	641.19	-	-	641.19
	04/26/2006	658.74	17.01	641.73	-	-	641.73
	10/04/2006	658.74	19.05	639.69	-	-	639.69
	05/25/2007	658.74	16.45	642.29	-	-	642.29
3805-RW12	12/04/2002	656.60	20.76	635.84	-	-	635.84
	01/03/2003	656.60	20.60	636.00	-	-	636.00
	02/03/2003	656.60	20.70	635.90	-	-	635.90
	09/16/2004	656.60	17.51	639.09	-	-	639.09
	04/20/2005	656.60	16.54	640.06	-	-	640.06
	04/26/2006	656.60	15.77	640.83	-	-	640.83
	10/04/2006	656.60	19.23	637.37	-	-	637.37
	05/25/2007	656.60	15.39	641.21	-	-	641.21
3805-RW13	12/04/2002	658.30	16.54	641.76	-	-	641.76
	01/03/2003	658.30	16.47	641.83	-	-	641.83
	02/03/2003	658.30	16.51	641.79	-	-	641.79
	09/16/2004	658.30	13.73	644.57	-	-	644.57
	04/20/2005	658.30	11.93	646.37	-	-	646.37
	04/26/2006	658.30	11.76	646.54	-	-	646.54
	10/04/2006	658.30	14.65	643.65	-	-	643.65
	05/25/2007	658.30	11.51	646.79	-	-	646.79
1-1M	04/04/2005	652.46	23.60	628.86	-	-	628.86
	05/16/2005	652.46	23.69	628.77	-	-	628.77
	06/13/2005	652.46	24.08	628.38	-	-	628.38
	07/11/2005	652.46	24.47	627.99	-	-	627.99
	08/22/2005	652.46	24.91	627.55	-	-	627.55
	10/17/2005	652.46	24.04	628.42	-	-	628.42
	01/09/2006	652.46	23.19	629.27	-	-	629.27
	04/03/2006	652.46	22.40	630.06	-	-	630.06
	05/31/2006	652.46	23.20	629.26	-	-	629.26
	06/12/2006	652.46	NR	-	NR	-	-
	08/02/2006	652.46	23.99	628.47	-	-	628.47
	09/06/2006	652.46	24.37	628.09	-	-	628.09
	11/01/2006	652.46	24.48	627.98	-	-	627.98
	01/09/2007	652.46	23.20	629.26	-	-	629.26
	05/07/2007	652.46	22.29	630.17	-	-	630.17
	07/24/2007	652.46	23.60	628.86	-	-	628.86
	10/16/2007	652.46	24.79	627.67	-	-	627.67
01/11/2008	652.46	24.00	628.46	-	-	628.46	
06/24/2008	652.46	22.35	630.11	-	-	630.11	
1-2M	04/04/2005	650.47	20.83	629.64	-	-	629.64
	05/16/2005	650.47	20.84	629.63	-	-	629.63
	06/13/2005	650.47	21.19	629.28	-	-	629.28

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Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	07/11/2005	650.47	21.52	628.95	-	-	628.95
	08/22/2005	650.47	21.92	628.55	-	-	628.55
	10/17/2005	650.47	21.18	629.29	-	-	629.29
	01/09/2006	650.47	20.53	629.94	-	-	629.94
	04/03/2006	650.47	19.73	630.74	-	-	630.74
	05/31/2006	650.47	20.58	629.89	-	-	629.89
	06/12/2006	650.47	NR	-	NR	-	-
	08/02/2006	650.47	21.10	629.37	-	-	629.37
	09/06/2006	650.47	21.39	629.08	-	-	629.08
	11/01/2006	650.47	21.62	628.85	-	-	628.85
	01/09/2007	650.47	20.39	630.08	-	-	630.08
	05/07/2007	650.47	19.61	630.86	-	-	630.86
	07/24/2007	650.47	20.73	629.74	-	-	629.74
	10/16/2007	650.47	21.80	628.67	-	-	628.67
	01/11/2008	650.47	21.15	629.32	-	-	629.32
2-1M	04/04/2005	652.34	21.00	631.34	-	-	631.34
	05/16/2005	652.34	21.01	631.33	-	-	631.33
	06/13/2005	652.34	21.47	630.87	-	-	630.87
	07/11/2005	652.34	21.89	630.45	-	-	630.45
	08/22/2005	652.34	22.35	629.99	-	-	629.99
	10/17/2005	652.34	21.44	630.90	-	-	630.90
	01/09/2006	652.34	20.25	632.09	-	-	632.09
	04/03/2006	652.34	19.38	632.96	-	-	632.96
	05/31/2006	652.34	20.33	632.01	-	-	632.01
	06/12/2006	652.34	NR	-	NR	-	-
	08/02/2006	652.34	21.21	631.13	-	-	631.13
	09/06/2006	652.34	21.73	630.61	-	-	630.61
	11/01/2006	652.34	21.94	630.40	-	-	630.40
	01/09/2007	652.34	20.43	631.91	-	-	631.91
	05/07/2007	652.34	19.23	633.11	-	-	633.11
	07/24/2007	652.34	20.89	631.45	-	-	631.45
	10/16/2007	652.34	22.40	629.94	-	-	629.94
	01/11/2008	652.34	21.56	630.78	-	-	630.78
	06/24/2008	652.34	20.60	631.74	-	-	631.74
2-2M	04/04/2005	652.39	22.67	629.72	-	-	629.72
	05/16/2005	652.39	22.67	629.72	-	-	629.72
	06/13/2005	652.39	23.09	629.30	-	-	629.30
	07/11/2005	652.39	23.51	628.88	-	-	628.88
	08/22/2005	652.39	23.98	628.41	-	-	628.41
	10/17/2005	652.39	23.13	629.26	-	-	629.26
	01/09/2006	652.39	22.03	630.36	-	-	630.36
	04/03/2006	652.39	21.12	631.27	-	-	631.27
	05/31/2006	652.39	22.09	630.30	-	-	630.30
	06/12/2006	652.39	NR	-	NR	-	-
	08/02/2006	652.39	22.93	629.46	-	-	629.46
	09/06/2006	652.39	23.40	628.99	-	-	628.99
	11/01/2006	652.39	23.55	628.84	-	-	628.84
	01/09/2007	652.39	22.13	630.26	-	-	630.26

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	05/07/2007	652.39	20.91	631.48	-	-	631.48
	07/24/2007	652.39	22.54	629.85	-	-	629.85
	10/16/2007	652.39	23.91	628.48	-	-	628.48
	01/11/2008	652.39	23.12	629.27	-	-	629.27
	06/24/2008	652.39	22.30	630.09	-	-	630.09
2-3M	04/04/2005	653.05	21.14	631.91	-	-	631.91
	05/16/2005	653.05	21.21	631.84	-	-	631.84
	06/13/2005	653.05	21.69	631.36	-	-	631.36
	07/11/2005	653.05	22.10	630.95	-	-	630.95
	08/22/2005	653.05	22.57	630.48	-	-	630.48
	10/17/2005	653.05	21.59	631.46	-	-	631.46
	01/09/2006	653.05	20.61	632.44	-	-	632.44
	04/03/2006	653.05	19.62	633.43	-	-	633.43
	05/31/2006	653.05	20.51	632.54	-	-	632.54
	06/12/2006	653.05	NR	-	NR	-	-
	08/02/2006	653.05	21.43	631.62	-	-	631.62
	09/06/2006	653.05	21.91	631.14	-	-	631.14
	11/01/2006	653.05	22.15	630.90	-	-	630.90
	01/09/2007	653.05	20.60	632.45	-	-	632.45
	05/07/2007	653.05	19.51	633.54	-	-	633.54
	07/24/2007	653.05	21.07	631.98	-	-	631.98
	10/16/2007	653.05	22.54	630.51	-	-	630.51
	01/11/2008	653.05	21.71	631.34	-	-	631.34
	06/24/2008	653.05	20.65	632.40	-	-	632.40
2-4M	04/04/2005	652.92	22.71	630.21	-	-	630.21
	05/16/2005	652.92	22.74	630.18	-	-	630.18
	06/13/2005	652.92	23.14	629.78	-	-	629.78
	07/11/2005	652.92	23.52	629.40	-	-	629.40
	08/22/2005	652.92	23.96	628.96	-	-	628.96
	10/17/2005	652.92	23.10	629.82	-	-	629.82
	01/09/2006	652.92	22.32	630.60	-	-	630.60
	04/03/2006	652.92	21.37	631.55	-	-	631.55
	05/31/2006	652.92	22.20	630.72	-	-	630.72
	06/12/2006	652.92	NR	-	NR	-	-
	08/02/2006	652.92	22.99	629.93	-	-	629.93
	09/06/2006	652.92	23.39	629.53	-	-	629.53
	11/01/2006	652.92	23.61	629.31	-	-	629.31
	01/09/2007	652.92	22.23	630.69	-	-	630.69
	05/07/2007	652.92	21.22	631.70	-	-	631.70
	07/24/2007	652.92	22.63	630.29	-	-	630.29
	10/16/2007	652.92	23.89	629.03	-	-	629.03
	01/11/2008	652.92	23.14	629.78	-	-	629.78
	06/24/2008	652.92	22.45	630.47	-	-	630.47
2-5M	04/04/2005	653.87	19.85	634.02	-	-	634.02
	05/16/2005	653.87	19.78	634.09	-	-	634.09
	06/13/2005	653.87	20.33	633.54	-	-	633.54
	07/11/2005	653.87	20.82	633.05	-	-	633.05
	08/22/2005	653.87	21.56	632.31	-	-	632.31

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	10/17/2005	653.87	19.83	634.04	-	-	634.04
	01/09/2006	653.87	19.59	634.28	-	-	634.28
	04/03/2006	653.87	18.28	635.59	18.26	0.02	635.61
	05/31/2006	653.87	16.55	637.32	-	-	637.32
	06/12/2006	653.87	NR	-	NR	-	-
	08/02/2006	653.87	20.61	633.26	-	-	633.26
	09/06/2006	653.87	21.62	632.25	-	-	632.25
	11/01/2006	653.87	21.78	632.09	-	-	632.09
	01/09/2007	653.87	19.22	634.65	-	-	634.65
	05/07/2007	653.87	19.42	634.45	-	-	634.45
	07/24/2007	653.87	20.13	633.74	-	-	633.74
	10/16/2007	653.87	21.74	632.13	-	-	632.13
	01/11/2008	653.87	20.05	633.82	-	-	633.82
	06/24/2008	653.87	19.35	634.52	-	-	634.52
2-6M	04/04/2005	651.57	20.96	630.61	-	-	630.61
	05/16/2005	651.57	20.99	630.58	-	-	630.58
	06/13/2005	651.57	21.40	630.17	-	-	630.17
	07/11/2005	651.57	21.75	629.82	-	-	629.82
	08/22/2005	651.57	22.17	629.40	-	-	629.40
	10/17/2005	651.57	21.36	630.21	-	-	630.21
	01/09/2006	651.57	20.74	630.83	-	-	630.83
	04/03/2006	651.57	19.74	631.83	-	-	631.83
	05/31/2006	651.57	20.51	631.06	-	-	631.06
	06/12/2006	651.57	NR	-	NR	-	-
	08/02/2006	651.57	21.26	630.31	-	-	630.31
	09/06/2006	651.57	21.61	629.96	-	-	629.96
	11/01/2006	651.57	21.89	629.68	-	-	629.68
	01/09/2007	651.57	20.47	631.10	-	-	631.10
	05/07/2007	651.57	19.52	632.05	-	-	632.05
	07/24/2007	651.57	20.81	630.76	-	-	630.76
	10/16/2007	651.57	22.12	629.45	-	-	629.45
	01/11/2008	651.57	21.40	630.17	-	-	630.17
	06/24/2008	651.57	20.85	630.72	-	-	630.72
2-7M	04/04/2005	652.90	18.33	634.57	-	-	634.57
	05/16/2005	652.90	18.25	634.65	-	-	634.65
	06/13/2005	652.90	19.30	633.60	-	-	633.60
	07/11/2005	652.90	19.85	633.05	-	-	633.05
	08/22/2005	652.90	20.15	632.75	-	-	632.75
	10/17/2005	652.90	19.02	633.88	-	-	633.88
	01/09/2006	652.90	17.60	635.30	-	-	635.30
	04/03/2006	652.90	16.79	636.11	-	-	636.11
	05/31/2006	652.90	17.65	635.25	-	-	635.25
	06/12/2006	652.90	NR	-	NR	-	-
	08/02/2006	652.90	18.47	634.43	-	-	634.43
	09/06/2006	652.90	19.13	633.77	-	-	633.77
	11/01/2006	652.90	19.54	633.36	-	-	633.36
	01/09/2007	652.90	17.79	635.11	-	-	635.11
	05/07/2007	652.90	16.86	636.04	-	-	636.04
	07/24/2007	652.90	18.27	634.63	-	-	634.63



**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	10/16/2007	652.90	19.66	633.24	-	-	633.24
	01/11/2008	652.90	18.56	634.34	-	-	634.34
	06/24/2008	652.90	17.90	635.00	-	-	635.00
2-8M	04/04/2005	651.28	19.04	632.24	-	-	632.24
	05/16/2005	651.28	19.02	632.26	-	-	632.26
	06/13/2005	651.28	19.42	631.86	-	-	631.86
	07/11/2005	651.28	19.86	631.42	-	-	631.42
	08/22/2005	651.28	20.41	630.87	-	-	630.87
	10/17/2005	651.28	19.46	631.82	-	-	631.82
	01/09/2006	651.28	18.48	632.80	-	-	632.80
	04/03/2006	651.28	17.56	633.72	-	-	633.72
	05/31/2006	651.28	18.39	632.89	-	-	632.89
	06/12/2006	651.28	NR	-	NR	-	-
	08/02/2006	651.28	19.31	631.97	-	-	631.97
	09/06/2006	651.28	19.81	631.47	-	-	631.47
	11/01/2006	651.28	20.23	631.05	-	-	631.05
	01/09/2007	651.28	18.49	632.79	-	-	632.79
	05/07/2007	651.28	17.56	633.72	-	-	633.72
	07/24/2007	651.28	18.85	632.43	-	-	632.43
	10/16/2007	651.28	20.62	630.66	-	-	630.66
	01/11/2008	651.28	19.40	631.88	-	-	631.88
	06/24/2008	651.28	19.05	632.23	Sheen	-	632.23
3-1M	04/04/2005	651.96	17.13	634.83	-	-	634.83
	05/16/2005	651.96	17.43	634.53	-	-	634.53
	06/13/2005	651.96	17.93	634.03	-	-	634.03
	07/11/2005	651.96	18.38	633.58	-	-	633.58
	08/22/2005	651.96	18.84	633.12	-	-	633.12
	10/17/2005	651.96	17.53	634.43	-	-	634.43
	01/09/2006	651.96	15.30	636.66	-	-	636.66
	04/03/2006	651.96	15.48	636.48	-	-	636.48
	05/31/2006	651.96	16.53	635.43	-	-	635.43
	06/12/2006	651.96	NR	-	NR	-	-
	08/02/2006	651.96	NR	-	NR	-	-
	09/06/2006	651.96	18.06	633.90	-	-	633.90
	11/01/2006	651.96	18.31	633.65	-	-	633.65
	01/09/2007	651.96	16.68	635.28	-	-	635.28
	05/07/2007	651.96	15.37	636.59	-	-	636.59
	07/24/2007	651.96	17.49	634.47	-	-	634.47
	10/16/2007	651.96	18.89	633.07	-	-	633.07
	01/11/2008	651.96	17.74	634.22	-	-	634.22
	06/23/2008	651.96	16.56	635.40	-	-	635.40
	09/18/2008	651.96	17.10	634.86	-	-	634.86
	10/23/2008	651.96	17.37	634.59	-	-	634.59
	12/31/2008	651.96	14.30	637.66	-	-	637.66
	01/28/2009	651.96	14.83	637.13	-	-	637.13
	02/25/2009	651.96	15.03	636.93	-	-	636.93
	03/27/2009	651.96	15.15	636.81	-	-	636.81
	04/29/2009	651.96	15.28	636.68	-	-	636.68

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	05/20/2009	651.96	15.48	636.48	-	-	636.48
	06/25/2009	651.96	15.16	636.80	-	-	636.80
	07/21/2009	651.96	15.82	636.14	-	-	636.14
	08/25/2009	651.96	16.55	635.41	-	-	635.41
	09/16/2009	651.96	19.01	632.95	-	-	632.95
	10/14/2009	651.96	17.43	634.53	-	-	634.53
	11/10/2009	651.96	17.83	634.13	-	-	634.13
	12/14/2009	651.96	18.01	633.95	-	-	633.95
	01/11/2010	651.96	18.16	633.80	-	-	633.80
	02/10/2010	651.96	17.21	634.75	-	-	634.75
	03/10/2010	651.96	18.51	633.45	-	-	633.45
	04/14/2010	651.96	18.13	633.83	-	-	633.83
	05/12/2010	651.96	18.63	633.33	-	-	633.33
	06/17/2010	651.96	19.06	632.90	-	-	632.90
	07/14/2010	651.96	19.28	632.68	-	-	632.68
	08/09/2010	651.96	19.23	632.73	-	-	632.73
	09/16/2010	651.96	19.23	632.73	-	-	632.73
	10/13/2010	651.96	18.08	633.88	-	-	633.88
	11/16/2010	651.96	17.71	634.25	-	-	634.25
	12/16/2010	651.96	17.39	634.57	-	-	634.57
	01/13/2011	651.96	17.28	634.68	-	-	634.68
	03/14/2011	651.96	16.22	635.74	-	-	635.74
	04/12/2011	651.96	16.61	635.35	-	-	635.35
3-2M	04/04/2005	652.54	16.84	635.70	-	-	635.70
	05/16/2005	652.54	17.37	635.17	-	-	635.17
	06/13/2005	652.54	17.84	634.70	-	-	634.70
	07/11/2005	652.54	18.26	634.28	-	-	634.28
	08/22/2005	652.54	18.75	633.79	-	-	633.79
	10/17/2005	652.54	17.31	635.23	-	-	635.23
	01/09/2006	652.54	16.09	636.45	-	-	636.45
	04/03/2006	652.54	15.21	637.33	-	-	637.33
	05/31/2006	652.54	16.23	636.31	-	-	636.31
	06/12/2006	652.54	NR	-	NR	-	-
	08/02/2006	652.54	NR	-	NR	-	-
	09/06/2006	652.54	17.82	634.72	-	-	634.72
	11/01/2006	652.54	18.23	634.31	-	-	634.31
	01/09/2007	652.54	16.46	636.08	-	-	636.08
	05/07/2007	652.54	15.15	637.39	-	-	637.39
	07/24/2007	652.54	17.60	634.94	-	-	634.94
	10/16/2007	652.54	18.88	633.66	-	-	633.66
	01/11/2008	652.54	15.55	636.99	-	-	636.99
	06/23/2008	652.54	16.61	635.93	-	-	635.93
3-3M	04/04/2005	653.49	16.77	636.72	-	-	636.72
	05/16/2005	653.49	17.19	636.30	-	-	636.30
	06/13/2005	653.49	17.65	635.84	-	-	635.84
	07/11/2005	653.49	18.00	635.49	-	-	635.49
	08/22/2005	653.49	18.53	634.96	-	-	634.96
	10/17/2005	653.49	16.90	636.59	-	-	636.59
	01/09/2006	653.49	15.77	637.72	-	-	637.72

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/03/2006	653.49	15.03	638.46	-	-	638.46
	05/31/2006	653.49	15.98	637.51	-	-	637.51
	06/12/2006	653.49	NR	-	NR	-	-
	08/02/2006	653.49	NR	-	NR	-	-
	09/06/2006	653.49	17.43	636.06	-	-	636.06
	11/01/2006	653.49	18.21	635.28	-	-	635.28
	01/09/2007	653.49	16.45	637.04	-	-	637.04
	05/07/2007	653.49	15.21	638.28	-	-	638.28
	07/24/2007	653.49	17.46	636.03	-	-	636.03
	10/16/2007	653.49	18.54	634.95	-	-	634.95
	01/11/2008	653.49	17.30	636.19	-	-	636.19
	06/23/2008	653.49	16.35	637.14	-	-	637.14
3-4M	04/04/2005	654.29	16.97	637.32	-	-	637.32
	05/16/2005	654.29	17.30	636.99	-	-	636.99
	06/13/2005	654.29	17.74	636.55	-	-	636.55
	07/11/2005	654.29	18.08	636.21	-	-	636.21
	08/22/2005	654.29	18.63	635.66	-	-	635.66
	10/17/2005	654.29	17.12	637.17	-	-	637.17
	01/09/2006	654.29	15.91	638.38	-	-	638.38
	04/03/2006	654.29	15.17	639.12	-	-	639.12
	05/31/2006	654.29	16.10	638.19	-	-	638.19
	06/12/2006	654.29	NR	-	NR	-	-
	08/02/2006	654.29	NR	-	NR	-	-
	09/06/2006	654.29	17.51	636.78	-	-	636.78
	11/01/2006	654.29	18.37	635.92	-	-	635.92
	01/09/2007	654.29	16.72	637.57	-	-	637.57
	05/07/2007	654.29	15.40	638.89	-	-	638.89
	07/24/2007	654.29	17.71	636.58	-	-	636.58
	10/16/2007	654.29	18.64	635.65	-	-	635.65
	01/11/2008	654.29	17.46	636.83	-	-	636.83
	06/23/2008	654.29	16.47	637.82	-	-	637.82
3-5M	04/04/2005	654.56	16.00	638.56	-	-	638.56
	05/16/2005	654.56	16.81	637.75	-	-	637.75
	06/13/2005	654.56	17.21	637.35	-	-	637.35
	07/11/2005	654.56	17.58	636.98	-	-	636.98
	08/22/2005	654.56	18.09	636.47	-	-	636.47
	10/17/2005	654.56	16.73	637.83	-	-	637.83
	01/09/2006	654.56	15.49	639.07	-	-	639.07
	04/03/2006	654.56	14.78	639.78	-	-	639.78
	05/31/2006	654.56	15.68	638.88	-	-	638.88
	06/12/2006	654.56	NR	-	NR	-	-
	08/02/2006	654.56	NR	-	NR	-	-
	09/06/2006	654.56	17.05	637.51	-	-	637.51
	11/01/2006	654.56	17.73	636.83	-	-	636.83
	01/09/2007	654.56	16.18	638.38	-	-	638.38
	05/07/2007	654.56	14.93	639.63	-	-	639.63
	07/24/2007	654.56	16.91	637.65	-	-	637.65
	10/16/2007	654.56	18.07	636.49	-	-	636.49

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	01/11/2008	654.56	16.99	637.57	-	-	637.57
	06/23/2008	654.56	15.98	638.58	-	-	638.58
4-1M	04/04/2005	651.76	14.17	637.59	-	-	637.59
	05/16/2005	651.76	14.81	636.95	14.80	0.01	636.96
	06/13/2005	651.76	15.26	636.50	-	-	636.50
	07/11/2005	651.76	15.77	635.99	15.72	0.05	636.03
	08/22/2005	651.76	16.38	635.38	16.31	0.07	635.43
	10/17/2005	651.76	13.96	637.80	-	-	637.80
	01/09/2006	651.76	13.29	638.47	-	-	638.47
	04/03/2006	651.76	12.49	639.27	-	-	639.27
	05/31/2006	651.76	13.55	638.21	-	-	638.21
	06/12/2006	651.76	NR	-	NR	-	-
	08/02/2006	651.76	NR	-	NR	-	-
	09/06/2006	651.76	15.16	636.60	-	-	636.60
	11/01/2006	651.76	15.18	636.58	-	-	636.58
	01/09/2007	651.76	13.65	638.11	-	-	638.11
	05/07/2007	651.76	12.32	639.44	-	-	639.44
	07/24/2007	651.76	14.75	637.01	-	-	637.01
	10/16/2007	651.76	16.35	635.41	-	-	635.41
	01/11/2008	651.76	14.43	637.33	-	-	637.33
	06/23/2008	651.76	13.43	638.33	-	-	638.33
	09/18/2008	651.76	12.75	639.01	-	-	639.01
	10/23/2008	651.76	14.33	637.43	-	-	637.43
	12/31/2008	651.76	10.46	641.30	-	-	641.30
	01/28/2009	651.76	11.36	640.40	-	-	640.40
	02/25/2009	651.76	11.82	639.94	-	-	639.94
	03/27/2009	651.76	12.05	639.71	-	-	639.71
	04/29/2009	651.76	12.09	639.67	-	-	639.67
	05/20/2009	651.76	12.16	639.60	Sheen	-	639.60
	06/25/2009	651.76	11.86	639.90	-	-	639.90
	07/21/2009	651.76	12.66	639.10	-	-	639.10
	08/25/2009	651.76	13.30	638.46	-	-	638.46
	09/16/2009	651.76	17.92	633.84	-	-	633.84
	10/14/2009	651.76	14.43	637.33	-	-	637.33
	11/10/2009	651.76	14.76	637.00	-	-	637.00
	12/14/2009	651.76	15.13	636.63	-	-	636.63
	01/11/2010	651.76	15.21	636.55	-	-	636.55
	02/10/2010	651.76	14.87	636.89	-	-	636.89
	03/10/2010	651.76	15.14	636.62	-	-	636.62
	04/14/2010	651.76	15.36	636.40	-	-	636.40
	05/12/2010	651.76	15.96	635.80	-	-	635.80
	06/17/2010	651.76	16.42	635.34	-	-	635.34
	07/14/2010	651.76	16.62	635.14	-	-	635.14
	08/09/2010	651.76	16.34	635.42	-	-	635.42
	09/16/2010	651.76	16.30	635.46	-	-	635.46
	10/13/2010	651.76	14.76	637.00	-	-	637.00
	11/16/2010	651.76	15.01	636.75	-	-	636.75
	12/16/2010	651.76	14.38	637.38	-	-	637.38
	01/13/2011	651.76	14.31	637.45	-	-	637.45

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	03/14/2011	651.76	12.26	639.50	-	-	639.50
	04/12/2011	651.76	13.79	637.97	-	-	637.97
4-2M	04/04/2005	652.06	15.54	636.52	-	-	636.52
	05/16/2005	652.06	16.06	636.00	-	-	636.00
	06/13/2005	652.06	16.54	635.52	-	-	635.52
	07/11/2005	652.06	16.90	635.16	-	-	635.16
	08/22/2005	652.06	17.43	634.63	-	-	634.63
	10/17/2005	652.06	15.63	636.43	-	-	636.43
	01/09/2006	652.06	14.64	637.42	-	-	637.42
	04/03/2006	652.06	13.83	638.23	13.77	0.06	638.28
	05/31/2006	652.06	14.83	637.23	-	-	637.23
	06/12/2006	652.06	NR	-	NR	-	-
	08/02/2006	652.06	NR	-	NR	-	-
	09/06/2006	652.06	16.40	635.66	-	-	635.66
	11/01/2006	652.06	16.72	635.34	-	-	635.34
	01/09/2007	652.06	15.04	637.02	-	-	637.02
	05/07/2007	652.06	13.76	638.30	-	-	638.30
	07/24/2007	652.06	16.19	635.87	-	-	635.87
	10/16/2007	652.06	17.47	634.59	-	-	634.59
	01/11/2008	652.06	16.07	635.99	-	-	635.99
	06/23/2008	652.06	14.95	637.11	-	-	637.11
4-3M	04/04/2005	652.91	14.73	638.18	-	-	638.18
	05/16/2005	652.91	14.18	638.73	-	-	638.73
	06/13/2005	652.91	15.64	637.27	-	-	637.27
	07/11/2005	652.91	16.02	636.89	-	-	636.89
	08/22/2005	652.91	16.58	636.33	-	-	636.33
	10/17/2005	652.91	14.77	638.14	-	-	638.14
	01/09/2006	652.91	13.70	639.21	-	-	639.21
	04/03/2006	652.91	12.82	640.09	-	-	640.09
	05/31/2006	652.91	13.83	639.08	-	-	639.08
	06/12/2006	652.91	NR	-	NR	-	-
	08/02/2006	652.91	NR	-	NR	-	-
	09/06/2006	652.91	15.45	637.46	-	-	637.46
	11/01/2006	652.91	15.91	637.00	-	-	637.00
	01/09/2007	652.91	14.12	638.79	-	-	638.79
	05/07/2007	652.91	12.82	640.09	-	-	640.09
	07/24/2007	652.91	15.11	637.80	-	-	637.80
	10/16/2007	652.91	16.73	636.18	-	-	636.18
	01/11/2008	652.91	15.30	637.61	-	-	637.61
	06/23/2008	652.91	13.93	638.98	-	-	638.98
4-4M	04/04/2005	652.96	15.51	637.45	-	-	637.45
	05/16/2005	652.96	16.00	636.96	-	-	636.96
	06/13/2005	652.96	16.43	636.53	-	-	636.53
	07/11/2005	652.96	16.80	636.16	-	-	636.16
	08/22/2005	652.96	17.37	635.59	-	-	635.59
	10/17/2005	652.96	15.65	637.31	-	-	637.31
	01/09/2006	652.96	14.54	638.42	-	-	638.42
	04/03/2006	652.96	13.74	639.22	-	-	639.22

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	05/31/2006	652.96	14.74	638.22	-	-	638.22
	06/12/2006	652.96	NR	-	NR	-	-
	08/02/2006	652.96	NR	-	NR	-	-
	09/06/2006	652.96	16.24	636.72	-	-	636.72
	11/01/2006	652.96	16.91	636.05	-	-	636.05
	01/09/2007	652.96	15.15	637.81	-	-	637.81
	05/07/2007	652.96	13.86	639.10	-	-	639.10
	07/24/2007	652.96	16.20	636.76	-	-	636.76
	10/16/2007	652.96	17.50	635.46	-	-	635.46
	01/11/2008	652.96	16.09	636.87	-	-	636.87
	06/23/2008	652.96	14.98	637.98	-	-	637.98
	09/18/2008	652.96	15.17	637.79	-	-	637.79
	10/23/2008	652.96	15.35	637.61	-	-	637.61
	12/31/2008	652.96	12.55	640.41	-	-	640.41
	01/28/2009	652.96	13.05	639.91	-	-	639.91
	02/25/2009	652.96	13.41	639.55	-	-	639.55
	03/27/2009	652.96	13.52	639.44	-	-	639.44
	04/29/2009	652.96	13.41	639.55	-	-	639.55
	05/20/2009	652.96	13.61	639.35	-	-	639.35
	06/25/2009	652.96	13.16	639.80	-	-	639.80
	07/21/2009	652.96	13.99	638.97	-	-	638.97
	08/25/2009	652.96	13.60	639.36	-	-	639.36
	09/16/2009	652.96	18.25	634.71	-	-	634.71
	10/14/2009	652.96	15.49	637.47	-	-	637.47
	11/10/2009	652.96	15.96	637.00	-	-	637.00
	12/14/2009	652.96	16.21	636.75	-	-	636.75
	01/11/2010	652.96	16.41	636.55	-	-	636.55
	02/10/2010	652.96	16.16	636.80	-	-	636.80
	03/10/2010	652.96	16.77	636.19	-	-	636.19
	04/14/2010	652.96	16.41	636.55	-	-	636.55
	05/12/2010	652.96	16.98	635.98	-	-	635.98
	06/17/2010	652.96	17.42	635.54	-	-	635.54
	07/14/2010	652.96	16.59	636.37	-	-	636.37
	08/09/2010	652.96	16.44	636.52	-	-	636.52
	09/16/2010	652.96	17.31	635.65	-	-	635.65
	10/13/2010	652.96	16.11	636.85	-	-	636.85
	11/16/2010	652.96	16.03	636.93	-	-	636.93
	12/16/2010	652.96	15.59	637.37	-	-	637.37
	01/13/2011	652.96	15.48	637.48	-	-	637.48
	03/14/2011	652.96	14.80	638.16	-	-	638.16
	04/12/2011	652.96	15.41	637.55	-	-	637.55
4-5M	04/04/2005	653.79	14.80	638.99	14.73	0.07	639.04
	05/16/2005	653.79	15.20	638.59	-	-	638.59
	06/13/2005	653.79	15.60	638.19	-	-	638.19
	07/11/2005	653.79	16.03	637.76	-	-	637.76
	08/22/2005	653.79	16.59	637.20	-	-	637.20
	10/17/2005	653.79	14.72	639.07	-	-	639.07
	01/09/2006	653.79	13.78	640.01	13.65	0.13	640.11
	04/03/2006	653.79	12.76	641.03	-	-	641.03

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	05/31/2006	653.79	13.75	640.04	13.72	0.03	640.06
	06/12/2006	653.79	NR	-	NR	-	-
	08/02/2006	653.79	NR	-	NR	-	-
	09/06/2006	653.79	15.35	638.44	15.28	0.07	638.49
	11/01/2006	653.79	15.82	637.97	-	-	637.97
	01/09/2007	653.79	14.02	639.77	-	-	639.77
	05/07/2007	653.79	12.85	640.94	-	-	640.94
	07/24/2007	653.79	14.69	639.10	-	-	639.10
	10/16/2007	653.79	16.52	637.27	-	-	637.27
	01/11/2008	653.79	14.28	639.51	-	-	639.51
	06/23/2008	653.79	13.78	640.01	-	-	640.01
4-6M	04/04/2005	653.68	15.48	638.20	-	-	638.20
	05/16/2005	653.68	16.02	637.66	-	-	637.66
	06/13/2005	653.68	16.46	637.22	-	-	637.22
	07/11/2005	653.68	16.82	636.86	-	-	636.86
	08/22/2005	653.68	17.37	636.31	-	-	636.31
	10/17/2005	653.68	15.73	637.95	-	-	637.95
	01/09/2006	653.68	14.53	639.15	-	-	639.15
	04/03/2006	653.68	13.69	639.99	-	-	639.99
	05/31/2006	653.68	14.69	638.99	-	-	638.99
	06/12/2006	653.68	NR	-	NR	-	-
	08/02/2006	653.68	NR	-	NR	-	-
	09/06/2006	653.68	16.21	637.47	-	-	637.47
	11/01/2006	653.68	17.00	636.68	-	-	636.68
	01/09/2007	653.68	15.30	638.38	-	-	638.38
	05/07/2007	653.68	13.97	639.71	-	-	639.71
	07/24/2007	653.68	16.29	637.39	-	-	637.39
	10/16/2007	653.68	17.57	636.11	-	-	636.11
	01/11/2008	653.68	16.18	637.50	-	-	637.50
	06/23/2008	653.68	15.06	638.62	-	-	638.62
4-7M	04/04/2005	654.63	15.26	639.37	-	-	639.37
	05/16/2005	654.63	15.60	639.03	-	-	639.03
	06/13/2005	654.63	15.98	638.65	-	-	638.65
	07/11/2005	654.63	16.36	638.27	-	-	638.27
	08/22/2005	654.63	16.90	637.73	-	-	637.73
	10/17/2005	654.63	15.26	639.37	-	-	639.37
	01/09/2006	654.63	14.11	640.52	-	-	640.52
	04/03/2006	654.63	13.30	641.33	-	-	641.33
	05/31/2006	654.63	14.24	640.39	-	-	640.39
	06/12/2006	654.63	NR	-	NR	-	-
	08/02/2006	654.63	NR	-	NR	-	-
	09/06/2006	654.63	15.74	638.89	-	-	638.89
	11/01/2006	654.63	16.43	638.20	-	-	638.20
	01/09/2007	654.63	14.65	639.98	-	-	639.98
	05/07/2007	654.63	13.35	641.28	-	-	641.28
	07/24/2007	654.63	15.51	639.12	-	-	639.12
	10/16/2007	654.63	17.02	637.61	-	-	637.61
	01/11/2008	654.63	15.76	638.87	-	-	638.87

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/23/2008	654.63	14.48	640.15	-	-	640.15
4-8M	04/04/2005	654.69	15.94	638.75	-	-	638.75
	05/16/2005	654.69	16.23	638.46	-	-	638.46
	06/13/2005	654.69	16.63	638.06	-	-	638.06
	07/11/2005	654.69	16.99	637.70	-	-	637.70
	08/22/2005	654.69	17.55	637.14	-	-	637.14
	10/17/2005	654.69	16.05	638.64	-	-	638.64
	01/09/2006	654.69	14.83	639.86	-	-	639.86
	04/03/2006	654.69	14.07	640.62	-	-	640.62
	05/31/2006	654.69	14.98	639.71	-	-	639.71
	06/12/2006	654.69	NR	-	NR	-	-
	08/02/2006	654.69	NR	-	NR	-	-
	09/06/2006	654.69	16.43	638.26	-	-	638.26
	11/01/2006	654.69	17.16	637.53	-	-	637.53
	01/09/2007	654.69	15.53	639.16	-	-	639.16
	05/07/2007	654.69	14.18	640.51	-	-	640.51
	07/24/2007	654.69	16.47	638.22	-	-	638.22
	10/16/2007	654.69	17.64	637.05	-	-	637.05
01/11/2008	654.69	15.44	639.25	-	-	639.25	
06/23/2008	654.69	15.35	639.34	-	-	639.34	
4-9M	04/04/2005	655.35	15.19	640.16	-	-	640.16
	05/16/2005	655.35	15.34	640.01	-	-	640.01
	06/13/2005	655.35	15.70	639.65	-	-	639.65
	07/11/2005	655.35	16.10	639.25	-	-	639.25
	08/22/2005	655.35	16.63	638.72	-	-	638.72
	10/17/2005	655.35	15.07	640.28	-	-	640.28
	01/09/2006	655.35	13.98	641.37	-	-	641.37
	04/03/2006	655.35	13.18	642.17	-	-	642.17
	05/31/2006	655.35	14.10	641.25	-	-	641.25
	06/12/2006	655.35	NR	-	NR	-	-
	08/02/2006	655.35	NR	-	NR	-	-
	09/06/2006	655.35	15.56	639.79	-	-	639.79
	11/01/2006	655.35	16.04	639.31	-	-	639.31
	01/09/2007	655.35	14.35	641.00	-	-	641.00
	05/07/2007	655.35	13.17	642.18	-	-	642.18
	07/24/2007	655.35	14.98	640.37	-	-	640.37
	10/16/2007	655.35	16.63	638.72	-	-	638.72
01/11/2008	655.35	15.56	639.79	-	-	639.79	
06/23/2008	655.35	14.21	641.14	-	-	641.14	
4-10M	04/04/2005	655.53	16.09	639.44	-	-	639.44
	05/16/2005	655.53	16.21	639.32	-	-	639.32
	06/13/2005	655.53	16.59	638.94	-	-	638.94
	07/11/2005	655.53	16.99	638.54	-	-	638.54
	08/22/2005	655.53	17.50	638.03	-	-	638.03
	10/17/2005	655.53	16.17	639.36	-	-	639.36
	01/09/2006	655.53	14.59	640.94	-	-	640.94
	04/03/2006	655.53	14.14	641.39	-	-	641.39



**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	05/31/2006	655.53	15.05	640.48	-	-	640.48
	06/12/2006	655.53	NR	-	NR	-	-
	08/02/2006	655.53	NR	-	NR	-	-
	09/06/2006	655.53	16.49	639.04	-	-	639.04
	11/01/2006	655.53	17.01	638.52	-	-	638.52
	01/09/2007	655.53	15.39	640.14	-	-	640.14
	05/07/2007	655.53	14.15	641.38	-	-	641.38
	07/24/2007	655.53	16.03	639.50	-	-	639.50
	10/16/2007	655.53	17.49	638.04	-	-	638.04
	01/11/2008	655.53	16.48	639.05	-	-	639.05
	06/23/2008	655.53	15.23	640.30	-	-	640.30
	09/18/2008	655.53	15.60	639.93	-	-	639.93
	10/23/2008	655.53	16.91	638.62	-	-	638.62
	12/31/2008	655.53	12.67	642.86	-	-	642.86
	01/28/2009	655.53	13.27	642.26	-	-	642.26
	02/25/2009	655.53	13.20	642.33	-	-	642.33
	03/27/2009	655.53	13.46	642.07	-	-	642.07
	04/29/2009	655.53	13.73	641.80	-	-	641.80
	05/20/2009	655.53	13.84	641.69	-	-	641.69
	06/25/2009	655.53	13.36	642.17	-	-	642.17
	07/21/2009	655.53	14.14	641.39	-	-	641.39
	08/25/2009	655.53	14.75	640.78	-	-	640.78
	09/16/2009	655.53	19.74	635.79	-	-	635.79
	10/14/2009	655.53	15.72	639.81	-	-	639.81
	11/10/2009	655.53	16.09	639.44	-	-	639.44
	12/14/2009	655.53	16.41	639.12	-	-	639.12
	01/11/2010	655.53	16.49	639.04	-	-	639.04
	02/10/2010	655.53	16.34	639.19	-	-	639.19
	03/10/2010	655.53	16.99	638.54	-	-	638.54
	04/14/2010	655.53	16.67	638.86	-	-	638.86
	05/12/2010	655.53	17.07	638.46	-	-	638.46
	06/17/2010	655.53	17.61	637.92	-	-	637.92
	07/14/2010	655.53	17.86	637.67	-	-	637.67
	08/09/2010	655.53	16.67	638.86	-	-	638.86
	09/16/2010	655.53	15.49	640.04	-	-	640.04
	10/13/2010	655.53	16.32	639.21	-	-	639.21
	11/16/2010	655.53	16.24	639.29	-	-	639.29
	12/16/2010	655.53	15.78	639.75	-	-	639.75
	01/13/2011	655.53	15.46	640.07	-	-	640.07
	03/14/2011	655.53	15.32	640.21	-	-	640.21
	04/12/2011	655.53	15.57	639.96	-	-	639.96
4-11M	04/04/2005	656.27	15.33	640.94	-	-	640.94
	05/16/2005	656.27	15.24	641.03	-	-	641.03
	06/13/2005	656.27	15.64	640.63	-	-	640.63
	07/11/2005	656.27	16.10	640.17	-	-	640.17
	08/22/2005	656.27	16.61	639.66	-	-	639.66
	10/17/2005	656.27	15.06	641.21	-	-	641.21
	01/09/2006	656.27	13.98	642.29	-	-	642.29
	04/03/2006	656.27	13.17	643.10	-	-	643.10

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	05/31/2006	656.27	14.07	642.20	-	-	642.20
	06/12/2006	656.27	NR	-	NR	-	-
	08/02/2006	656.27	NR	-	NR	-	-
	09/06/2006	656.27	15.56	640.71	-	-	640.71
	11/01/2006	656.27	15.91	640.36	-	-	640.36
	01/09/2007	656.27	14.18	642.09	-	-	642.09
	05/07/2007	656.27	13.05	643.22	-	-	643.22
	07/24/2007	656.27	14.73	641.54	-	-	641.54
	10/16/2007	656.27	16.48	639.79	-	-	639.79
	01/11/2008	656.27	15.42	640.85	-	-	640.85
	06/23/2008	656.27	14.23	642.04	-	-	642.04
	09/18/2008	656.27	14.12	642.15	-	-	642.15
	10/23/2008	656.27	14.85	641.42	-	-	641.42
	12/31/2008	656.27	11.40	644.87	-	-	644.87
	01/28/2009	656.27	12.08	644.19	-	-	644.19
	02/25/2009	656.27	12.60	643.67	-	-	643.67
	03/27/2009	656.27	12.83	643.44	-	-	643.44
	04/29/2009	656.27	12.62	643.65	-	-	643.65
	05/20/2009	656.27	12.76	643.51	-	-	643.51
	06/25/2009	656.27	12.15	644.12	-	-	644.12
	07/21/2009	656.27	13.01	643.26	-	-	643.26
	08/25/2009	656.27	13.60	642.67	-	-	642.67
	09/16/2009	656.27	18.96	637.31	-	-	637.31
	10/14/2009	656.27	14.69	641.58	-	-	641.58
	11/10/2009	656.27	14.99	641.28	-	-	641.28
	12/14/2009	656.27	15.26	641.01	-	-	641.01
	01/11/2010	656.27	15.32	640.95	-	-	640.95
	02/10/2010	656.27	15.21	641.06	-	-	641.06
	03/10/2010	656.27	16.01	640.26	-	-	640.26
	04/14/2010	656.27	15.56	640.71	-	-	640.71
	05/12/2010	656.27	16.13	640.14	-	-	640.14
	06/17/2010	656.27	16.58	639.69	-	-	639.69
	07/14/2010	656.27	16.92	639.35	-	-	639.35
	08/09/2010	656.27	16.78	639.49	-	-	639.49
	09/16/2010	656.27	16.32	639.95	-	-	639.95
	10/13/2010	656.27	15.14	641.13	-	-	641.13
	11/16/2010	656.27	15.08	641.19	-	-	641.19
	12/16/2010	656.27	14.61	641.66	-	-	641.66
	01/13/2011	656.27	14.46	641.81	-	-	641.81
	03/14/2011	656.27	14.31	641.96	-	-	641.96
	04/12/2011	656.27	14.54	641.73	-	-	641.73
5-1M	04/04/2005	653.01	13.16	639.85	-	-	639.85
	05/16/2005	653.01	13.51	639.50	-	-	639.50
	06/13/2005	653.01	13.95	639.06	-	-	639.06
	07/11/2005	653.01	14.33	638.68	-	-	638.68
	08/22/2005	653.01	14.84	638.17	-	-	638.17
	10/17/2005	653.01	12.98	640.03	-	-	640.03
	01/09/2006	653.01	12.15	640.86	-	-	640.86
	04/03/2006	653.01	11.22	641.79	-	-	641.79

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	05/31/2006	653.01	12.22	640.79	-	-	640.79
	06/12/2006	653.01	NR	-	NR	-	-
	08/02/2006	653.01	13.15	639.86	-	-	639.86
	09/06/2006	653.01	13.96	639.05	-	-	639.05
	11/01/2006	653.01	13.92	639.09	-	-	639.09
	01/09/2007	653.01	12.35	640.66	-	-	640.66
	05/07/2007	653.01	11.04	641.97	-	-	641.97
	07/24/2007	653.01	13.01	640.00	-	-	640.00
	10/16/2007	653.01	14.91	638.10	-	-	638.10
	01/11/2008	653.01	13.51	639.50	-	-	639.50
	06/23/2008	653.01	11.96	641.05	-	-	641.05
	09/18/2008	653.01	12.75	640.26	-	-	640.26
	10/23/2008	653.01	13.25	639.76	-	-	639.76
	12/31/2008	653.01	9.58	643.43	-	-	643.43
	01/28/2009	653.01	10.00	643.01	-	-	643.01
	02/25/2009	653.01	10.22	642.79	-	-	642.79
	03/27/2009	653.01	10.22	642.79	-	-	642.79
	04/29/2009	653.01	10.64	642.37	-	-	642.37
	05/20/2009	653.01	10.73	642.28	-	-	642.28
	06/25/2009	653.01	10.49	642.52	-	-	642.52
	07/21/2009	653.01	11.29	641.72	-	-	641.72
	08/25/2009	653.01	11.92	641.09	-	-	641.09
	09/16/2009	653.01	9.65	643.36	-	-	643.36
	10/14/2009	653.01	13.11	639.90	-	-	639.90
	11/10/2009	653.01	13.52	639.49	-	-	639.49
	12/14/2009	653.01	13.91	639.10	-	-	639.10
	01/11/2010	653.01	14.09	638.92	-	-	638.92
	02/10/2010	653.01	13.96	639.05	-	-	639.05
	03/10/2010	653.01	14.69	638.32	-	-	638.32
	04/14/2010	653.01	14.29	638.72	-	-	638.72
	05/12/2010	653.01	14.89	638.12	-	-	638.12
	06/17/2010	653.01	15.26	637.75	-	-	637.75
	07/14/2010	653.01	15.46	637.55	-	-	637.55
	08/09/2010	653.01	15.17	637.84	-	-	637.84
	09/16/2010	653.01	14.24	638.77	-	-	638.77
	10/13/2010	653.01	13.78	639.23	-	-	639.23
	11/16/2010	653.01	13.83	639.18	-	-	639.18
	12/16/2010	653.01	13.26	639.75	-	-	639.75
	01/13/2011	653.01	13.18	639.83	-	-	639.83
	03/14/2011	653.01	12.34	640.67	-	-	640.67
	04/12/2011	653.01	12.77	640.24	-	-	640.24
5-2M	04/04/2005	653.03	14.05	638.98	-	-	638.98
	05/16/2005	653.03	14.49	638.54	-	-	638.54
	06/13/2005	653.03	14.90	638.13	-	-	638.13
	07/11/2005	653.03	15.32	637.71	-	-	637.71
	08/22/2005	653.03	15.83	637.20	-	-	637.20
	10/17/2005	653.03	14.08	638.95	-	-	638.95
	01/09/2006	653.03	12.99	640.04	-	-	640.04
	04/03/2006	653.03	12.19	640.84	-	-	640.84

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	05/31/2006	653.03	13.13	639.90	-	-	639.90
	06/12/2006	653.03	NR	-	NR	-	-
	08/02/2006	653.03	13.98	639.05	-	-	639.05
	09/06/2006	653.03	14.76	638.27	-	-	638.27
	11/01/2006	653.03	15.04	637.99	-	-	637.99
	01/09/2007	653.03	13.30	639.73	-	-	639.73
	05/07/2007	653.03	11.99	641.04	-	-	641.04
	07/24/2007	653.03	14.11	638.92	-	-	638.92
	10/16/2007	653.03	15.90	637.13	-	-	637.13
	01/11/2008	653.03	14.51	638.52	-	-	638.52
	06/23/2008	653.03	13.02	640.01	-	-	640.01
5-3M	04/04/2005	653.85	13.56	640.29	-	-	640.29
	05/16/2005	653.85	13.91	639.94	-	-	639.94
	06/13/2005	653.85	14.26	639.59	-	-	639.59
	07/11/2005	653.85	14.67	639.18	-	-	639.18
	08/22/2005	653.85	15.17	638.68	-	-	638.68
	10/17/2005	653.85	13.37	640.48	-	-	640.48
	01/09/2006	653.85	12.38	641.47	-	-	641.47
	04/03/2006	653.85	11.47	642.38	-	-	642.38
	05/31/2006	653.85	12.46	641.39	-	-	641.39
	06/12/2006	653.85	NR	-	NR	-	-
	08/02/2006	653.85	14.44	639.41	-	-	639.41
	09/06/2006	653.85	10.15	643.70	-	-	643.70
	11/01/2006	653.85	14.45	639.40	-	-	639.40
	01/09/2007	653.85	12.69	641.16	-	-	641.16
	05/07/2007	653.85	11.37	642.48	-	-	642.48
	07/24/2007	653.85	13.34	640.51	-	-	640.51
	10/16/2007	653.85	15.19	638.66	-	-	638.66
	01/11/2008	653.85	13.89	639.96	-	-	639.96
	06/23/2008	653.85	12.29	641.56	-	-	641.56
5-4M	04/04/2005	653.93	14.27	639.66	-	-	639.66
	05/16/2005	653.93	14.62	639.31	-	-	639.31
	06/13/2005	653.93	15.02	638.91	-	-	638.91
	07/11/2005	653.93	15.44	638.49	-	-	638.49
	08/22/2005	653.93	15.94	637.99	-	-	637.99
	10/17/2005	653.93	14.25	639.68	-	-	639.68
	01/09/2006	653.93	13.12	640.81	-	-	640.81
	04/03/2006	653.93	12.21	641.72	-	-	641.72
	05/31/2006	653.93	13.19	640.74	-	-	640.74
	06/12/2006	653.93	NR	-	NR	-	-
	08/02/2006	653.93	14.01	639.92	-	-	639.92
	09/06/2006	653.93	14.81	639.12	-	-	639.12
	11/01/2006	653.93	15.23	638.70	-	-	638.70
	01/09/2007	653.93	13.35	640.58	-	-	640.58
	05/07/2007	653.93	12.17	641.76	-	-	641.76
	07/24/2007	653.93	14.02	639.91	-	-	639.91
	10/16/2007	653.93	15.81	638.12	-	-	638.12
	01/11/2008	653.93	14.69	639.24	-	-	639.24
	06/23/2008	653.93	13.08	640.85	-	-	640.85

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
5-5M	04/04/2005	654.68	13.99	640.69	-	-	640.69
	05/16/2005	654.68	14.28	640.40	-	-	640.40
	06/13/2005	654.68	14.64	640.04	-	-	640.04
	07/11/2005	654.68	15.02	639.66	15.01	0.01	639.67
	08/22/2005	654.68	15.53	639.15	-	-	639.15
	10/17/2005	654.68	13.73	640.95	-	-	640.95
	01/09/2006	654.68	12.73	641.95	-	-	641.95
	04/03/2006	654.68	11.86	642.82	-	-	642.82
	05/31/2006	654.68	12.81	641.87	-	-	641.87
	06/12/2006	654.68	NR	-	NR	-	-
	08/02/2006	654.68	14.09	640.59	-	-	640.59
	09/06/2006	654.68	14.47	640.21	-	-	640.21
	11/01/2006	654.68	15.02	639.66	-	-	639.66
	01/09/2007	654.68	13.20	641.48	-	-	641.48
	05/07/2007	654.68	11.76	642.92	-	-	642.92
	07/24/2007	654.68	13.82	640.86	-	-	640.86
	10/16/2007	654.68	15.59	639.09	-	-	639.09
	01/11/2008	654.68	14.28	640.40	-	-	640.40
06/23/2008	654.68	12.72	641.96	-	-	641.96	
5-6M	04/04/2005	654.29	14.22	640.07	-	-	640.07
	05/16/2005	654.29	14.54	639.75	-	-	639.75
	06/13/2005	654.29	14.90	639.39	-	-	639.39
	07/11/2005	654.29	15.30	638.99	-	-	638.99
	08/22/2005	654.29	15.82	638.47	-	-	638.47
	10/17/2005	654.29	14.13	640.16	-	-	640.16
	01/09/2006	654.29	13.05	641.24	13.02	0.03	641.26
	04/03/2006	654.29	12.19	642.10	-	-	642.10
	05/31/2006	654.29	13.12	641.17	-	-	641.17
	06/12/2006	654.29	NR	-	-	-	-
	08/02/2006	654.29	14.08	640.21	-	-	640.21
	09/06/2006	654.29	14.70	639.59	-	-	639.59
	11/01/2006	654.29	15.24	639.05	-	-	639.05
	01/09/2007	654.29	13.44	640.85	-	-	640.85
	05/07/2007	654.29	12.14	642.15	-	-	642.15
	07/24/2007	654.29	14.13	640.16	-	-	640.16
	10/16/2007	654.29	15.90	638.39	-	-	638.39
	01/11/2008	654.29	14.62	639.67	-	-	639.67
06/23/2008	654.29	13.21	641.08	-	-	641.08	
5-7M	04/04/2005	655.61	14.43	641.18	-	-	641.18
	05/16/2005	655.61	14.65	640.96	-	-	640.96
	06/13/2005	655.61	14.98	640.63	-	-	640.63
	07/11/2005	655.61	15.36	640.25	-	-	640.25
	08/22/2005	655.61	15.88	639.73	-	-	639.73
	10/17/2005	655.61	14.13	641.48	-	-	641.48
	01/09/2006	655.61	13.14	642.47	-	-	642.47
	04/03/2006	655.61	12.28	643.33	-	-	643.33
	05/31/2006	655.61	13.19	642.42	-	-	642.42
	06/12/2006	655.61	NR	-	NR	-	-

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/02/2006	655.61	14.59	641.02	-	-	641.02
	09/06/2006	655.61	14.81	640.80	-	-	640.80
	11/01/2006	655.61	15.42	640.19	-	-	640.19
	01/09/2007	655.61	13.65	641.96	-	-	641.96
	05/07/2007	655.61	12.16	643.45	-	-	643.45
	07/24/2007	655.61	14.29	641.32	-	-	641.32
	10/16/2007	655.61	16.08	639.53	-	-	639.53
	01/11/2008	655.61	14.73	640.88	-	-	640.88
	06/23/2008	655.61	13.27	642.34	-	-	642.34
5-8M	04/04/2005	655.66	14.93	640.73	-	-	640.73
	05/16/2005	655.66	15.08	640.58	-	-	640.58
	06/13/2005	655.66	15.57	640.09	15.41	0.16	640.21
	07/11/2005	655.66	16.07	639.59	15.75	0.32	639.83
	08/22/2005	655.66	16.35	639.31	16.32	0.03	639.33
	10/17/2005	655.66	14.73	640.93	-	-	640.93
	01/09/2006	655.66	13.63	642.03	-	-	642.03
	04/03/2006	655.66	12.81	642.85	-	-	642.85
	05/31/2006	655.66	13.70	641.96	-	-	641.96
	06/12/2006	655.66	NR	-	NR	-	-
	08/02/2006	655.66	14.74	640.92	-	-	640.92
	09/06/2006	655.66	15.25	640.41	-	-	640.41
	11/01/2006	655.66	15.83	639.83	15.75	0.08	639.89
	01/09/2007	655.66	14.05	641.61	-	-	641.61
	05/07/2007	655.66	12.71	642.95	12.70	0.01	642.96
	07/24/2007	655.66	14.65	641.01	-	-	641.01
	10/16/2007	655.66	16.65	639.01	16.42	0.23	639.18
	01/11/2008	655.66	15.25	640.41	-	-	640.41
	06/23/2008	655.66	13.96	641.70	-	-	641.70
	09/18/2008	655.66	14.12	641.54	-	-	641.54
	10/23/2008	655.66	14.50	641.16	-	-	641.16
	12/31/2008	655.66	11.02	644.64	-	-	644.64
	01/28/2009	655.66	11.70	643.96	-	-	643.96
	02/25/2009	655.66	12.13	643.53	-	-	643.53
	03/27/2009	655.66	12.04	643.62	-	-	643.62
	04/29/2009	655.66	12.81	642.85	Sheen	-	642.85
	05/20/2009	655.66	12.31	643.35	-	-	643.35
	06/25/2009	655.66	11.74	643.92	-	-	643.92
	07/21/2009	655.66	12.65	643.01	-	-	643.01
	08/25/2009	655.66	13.23	642.43	-	-	642.43
	09/16/2009	655.66	14.70	640.96	-	-	640.96
	10/14/2009	655.66	14.36	641.30	-	-	641.30
	11/10/2009	655.66	14.78	640.88	-	-	640.88
	12/14/2009	655.66	15.14	640.52	-	-	640.52
	01/11/2010	655.66	15.27	640.39	-	-	640.39
	02/10/2010	655.66	15.17	640.49	-	-	640.49
	03/10/2010	655.66	15.91	639.75	-	-	639.75
	04/14/2010	655.66	15.48	640.18	-	-	640.18
	05/12/2010	655.66	16.06	639.60	-	-	639.60
	06/17/2010	655.66	16.49	639.17	-	-	639.17

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	07/14/2010	655.66	16.71	638.95	-	-	638.95
	08/09/2010	655.66	16.43	639.23	-	-	639.23
	09/16/2010	655.66	16.23	639.43	-	-	639.43
	10/13/2010	655.66	14.96	640.70	-	-	640.70
	11/16/2010	655.66	15.02	640.64	-	-	640.64
	12/16/2010	655.66	14.49	641.17	-	-	641.17
	01/13/2011	655.66	14.17	641.49	-	-	641.49
	03/14/2011	655.66	14.08	641.58	-	-	641.58
	04/12/2011	655.66	14.45	641.21	-	-	641.21
5-9M	04/04/2005	656.01	14.64	641.37	14.37	0.27	641.58
	05/16/2005	656.01	14.98	641.03	14.40	0.58	641.47
	06/13/2005	656.01	14.75	641.26	-	-	641.26
	07/11/2005	656.01	15.14	640.87	15.13	0.01	640.88
	08/22/2005	656.01	15.80	640.21	15.79	0.01	640.22
	10/17/2005	656.01	14.10	641.91	-	-	641.91
	01/09/2006	656.01	13.08	642.93	13.05	0.03	642.95
	04/03/2006	656.01	12.20	643.81	-	-	643.81
	05/31/2006	656.01	13.10	642.91	-	-	642.91
	06/12/2006	656.01	NR	-	NR	-	-
	08/02/2006	656.01	14.32	641.69	-	-	641.69
	09/06/2006	656.01	14.67	641.34	-	-	641.34
	11/01/2006	656.01	15.16	640.85	-	-	640.85
	01/09/2007	656.01	13.49	642.52	-	-	642.52
	05/07/2007	656.01	12.04	643.97	-	-	643.97
	07/24/2007	656.01	14.07	641.94	-	-	641.94
	10/16/2007	656.01	15.98	640.03	-	-	640.03
	01/11/2008	656.01	14.71	641.30	-	-	641.30
	06/23/2008	656.01	13.45	642.56	-	-	642.56
5-10M	04/04/2005	656.61	15.32	641.29	-	-	641.29
	05/16/2005	656.61	15.28	641.33	-	-	641.33
	06/13/2005	656.61	15.63	640.98	-	-	640.98
	07/11/2005	656.61	15.99	640.62	-	-	640.62
	08/22/2005	656.61	16.62	639.99	-	-	639.99
	10/17/2005	656.61	15.12	641.49	-	-	641.49
	01/09/2006	656.61	13.94	642.67	13.92	0.02	642.69
	04/03/2006	656.61	13.12	643.49	-	-	643.49
	05/31/2006	656.61	14.01	642.60	-	-	642.60
	06/12/2006	656.61	NR	-	NR	-	-
	08/02/2006	656.61	14.91	641.70	-	-	641.70
	09/06/2006	656.61	15.53	641.08	-	-	641.08
	11/01/2006	656.61	15.93	640.68	-	-	640.68
	01/09/2007	656.61	14.26	642.35	-	-	642.35
	05/07/2007	656.61	12.98	643.63	-	-	643.63
	07/24/2007	656.61	14.77	641.84	-	-	641.84
	10/16/2007	656.61	16.80	639.81	16.74	0.06	639.86
	01/11/2008	656.61	15.68	640.93	-	-	640.93
	06/23/2008	656.61	14.24	642.37	-	-	642.37

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
5-11M	04/04/2005	657.63	15.45	642.18	-	-	642.18
	05/16/2005	657.63	15.33	642.30	-	-	642.30
	06/13/2005	657.63	15.68	641.95	-	-	641.95
	07/11/2005	657.63	16.04	641.59	-	-	641.59
	08/22/2005	657.63	16.63	641.00	-	-	641.00
	10/17/2005	657.63	14.90	642.73	-	-	642.73
	01/09/2006	657.63	13.94	643.69	13.92	0.02	643.71
	04/03/2006	657.63	13.06	644.57	-	-	644.57
	05/31/2006	657.63	13.97	643.66	-	-	643.66
	06/12/2006	657.63	NR	-	NR	-	-
	08/02/2006	657.63	14.90	642.73	-	-	642.73
	09/06/2006	657.63	15.56	642.07	-	-	642.07
	11/01/2006	657.63	15.79	641.84	-	-	641.84
	01/09/2007	657.63	14.12	643.51	-	-	643.51
	05/07/2007	657.63	12.86	644.77	-	-	644.77
	07/24/2007	657.63	14.70	642.93	-	-	642.93
	10/16/2007	657.63	16.68	640.95	-	-	640.95
	01/11/2008	657.63	15.67	641.96	-	-	641.96
	06/23/2008	657.63	14.07	643.56	-	-	643.56
	09/18/2008	657.63	14.38	643.25	-	-	643.25
	10/23/2008	657.63	14.59	643.04	-	-	643.04
	12/30/2008	657.63	10.70	646.93	-	-	646.93
	01/28/2009	657.63	9.45	648.18	-	-	648.18
	02/25/2009	657.63	11.40	646.23	-	-	646.23
	03/27/2009	657.63	12.05	645.58	-	-	645.58
	04/29/2009	657.63	12.34	645.29	-	-	645.29
	05/20/2009	657.63	12.28	645.35	-	-	645.35
	06/25/2009	657.63	11.92	645.71	-	-	645.71
	07/21/2009	657.63	12.82	644.81	-	-	644.81
	08/25/2009	657.63	13.40	644.23	-	-	644.23
	09/16/2009	657.63	18.93	638.70	-	-	638.70
	10/14/2009	657.63	14.61	643.02	-	-	643.02
	11/10/2009	657.63	14.98	642.65	-	-	642.65
	12/14/2009	657.63	15.31	642.32	-	-	642.32
	01/11/2010	657.63	15.47	642.16	-	-	642.16
	02/10/2010	657.63	15.38	642.25	-	-	642.25
	03/10/2010	657.63	16.17	641.46	-	-	641.46
	04/14/2010	657.63	15.74	641.89	-	-	641.89
	05/12/2010	657.63	16.36	641.27	-	-	641.27
	06/17/2010	657.63	16.79	640.84	-	-	640.84
	07/14/2010	657.63	17.06	640.57	-	-	640.57
	09/16/2010	657.63	16.42	641.21	-	-	641.21
	10/13/2010	657.63	15.20	642.43	-	-	642.43
	11/16/2010	657.63	15.31	642.32	-	-	642.32
	12/16/2010	657.63	14.57	643.06	-	-	643.06
	01/13/2011	657.63	14.57	643.06	-	-	643.06
	03/14/2011	657.63	13.71	643.92	-	-	643.92
	04/12/2011	657.63	14.81	642.82	-	-	642.82



**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
6-1M	04/04/2005	653.44	12.00	641.44	-	-	641.44
	05/16/2005	653.44	12.31	641.13	-	-	641.13
	06/13/2005	653.44	14.75	638.69	-	-	638.69
	07/11/2005	653.44	13.11	640.33	-	-	640.33
	08/22/2005	653.44	13.63	639.81	-	-	639.81
	10/17/2005	653.44	11.73	641.71	-	-	641.71
	01/09/2006	653.44	10.83	642.61	-	-	642.61
	04/03/2006	653.44	9.83	643.61	-	-	643.61
	05/31/2006	653.44	10.88	642.56	-	-	642.56
	06/12/2006	653.44	11.10	642.34	-	-	642.34
	08/02/2006	653.44	12.05	641.39	-	-	641.39
	09/06/2006	653.44	12.74	640.70	-	-	640.70
	11/01/2006	653.44	12.74	640.70	-	-	640.70
	01/09/2007	653.44	11.08	642.36	-	-	642.36
	05/07/2007	653.44	9.65	643.79	-	-	643.79
	07/24/2007	653.44	11.78	641.66	-	-	641.66
	10/16/2007	653.44	13.80	639.64	-	-	639.64
	01/11/2008	653.44	12.20	641.24	-	-	641.24
07/07/2008	653.44	11.45	641.99	-	-	641.99	
6-2M	04/04/2005	653.65	12.79	640.86	-	-	640.86
	05/16/2005	653.65	13.09	640.56	-	-	640.56
	06/13/2005	653.65	13.47	640.18	-	-	640.18
	07/11/2005	653.65	13.86	639.79	-	-	639.79
	08/22/2005	653.65	14.35	639.30	-	-	639.30
	10/17/2005	653.65	12.47	641.18	-	-	641.18
	01/09/2006	653.65	11.59	642.06	-	-	642.06
	04/03/2006	653.65	10.61	643.04	-	-	643.04
	05/31/2006	653.65	11.63	642.02	-	-	642.02
	06/12/2006	653.65	11.90	641.75	-	-	641.75
	08/02/2006	653.65	12.87	640.78	-	-	640.78
	09/06/2006	653.65	13.44	640.21	-	-	640.21
	11/01/2006	653.65	13.62	640.03	-	-	640.03
	01/09/2007	653.65	11.92	641.73	-	-	641.73
	05/07/2007	653.65	10.47	643.18	-	-	643.18
	07/24/2007	653.65	12.61	641.04	-	-	641.04
	10/16/2007	653.65	14.45	639.20	-	-	639.20
	01/11/2008	653.65	12.99	640.66	-	-	640.66
	07/07/2008	653.65	12.25	641.40	-	-	641.40
	09/18/2008	653.65	12.12	641.53	-	-	641.53
	10/23/2008	653.65	12.61	641.04	-	-	641.04
	12/31/2008	653.65	9.00	644.65	-	-	644.65
	01/28/2009	653.65	9.82	643.83	-	-	643.83
	02/25/2009	653.65	9.68	643.97	-	-	643.97
03/27/2009	653.65	9.63	644.02	-	-	644.02	
04/29/2009	653.65	9.92	643.73	9.91	0.01	643.74	
05/20/2009	653.65	10.04	643.61	-	-	643.61	
06/25/2009	653.65	9.74	643.91	-	-	643.91	
07/21/2009	653.65	10.67	642.98	-	-	642.98	
08/25/2009	653.65	11.24	642.41	-	-	642.41	

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/16/2009	653.65	11.84	641.81	-	-	641.81
	10/14/2009	653.65	12.52	641.13	-	-	641.13
	11/10/2009	653.65	12.97	640.68	-	-	640.68
	12/14/2009	653.65	13.38	640.27	-	-	640.27
	01/11/2010	653.65	13.56	640.09	-	-	640.09
	02/10/2010	653.65	12.97	640.68	-	-	640.68
	03/10/2010	653.65	13.71	639.94	-	-	639.94
	04/14/2010	653.65	13.31	640.34	-	-	640.34
	05/12/2010	653.65	14.16	639.49	-	-	639.49
	06/17/2010	653.65	14.19	639.46	-	-	639.46
	07/14/2010	653.65	14.73	638.92	-	-	638.92
	08/09/2010	653.65	14.62	639.03	-	-	639.03
	09/16/2010	653.65	14.66	638.99	-	-	638.99
	10/13/2010	653.65	13.24	640.41	-	-	640.41
	11/16/2010	653.65	13.32	640.33	-	-	640.33
	12/16/2010	653.65	12.72	640.93	-	-	640.93
	01/13/2011	653.65	12.81	640.84	-	-	640.84
	03/14/2011	653.65	11.99	641.66	-	-	641.66
	04/12/2011	653.65	12.42	641.23	-	-	641.23
6-3M	04/04/2005	654.27	12.48	641.79	-	-	641.79
	05/16/2005	654.27	12.81	641.46	-	-	641.46
	06/13/2005	654.27	13.18	641.09	-	-	641.09
	07/11/2005	654.27	13.53	640.74	-	-	640.74
	08/22/2005	654.27	14.08	640.19	-	-	640.19
	10/17/2005	654.27	11.97	642.30	-	-	642.30
	01/09/2006	654.27	11.13	643.14	-	-	643.14
	04/03/2006	654.27	10.13	644.14	-	-	644.14
	05/31/2006	654.27	11.12	643.15	-	-	643.15
	06/12/2006	654.27	11.42	642.85	-	-	642.85
	08/02/2006	654.27	12.74	641.53	-	-	641.53
	09/06/2006	654.27	13.03	641.24	-	-	641.24
	11/01/2006	654.27	13.37	640.90	-	-	640.90
	01/09/2007	654.27	11.54	642.73	-	-	642.73
	05/07/2007	654.27	9.99	644.28	-	-	644.28
	07/24/2007	654.27	12.33	641.94	-	-	641.94
	10/16/2007	654.27	14.22	640.05	-	-	640.05
	01/11/2008	654.27	12.52	641.75	-	-	641.75
	07/07/2008	654.27	12.40	641.87	-	-	641.87
	09/18/2008	654.27	11.50	642.77	-	-	642.77
	10/23/2008	654.27	11.91	642.36	-	-	642.36
	12/31/2008	654.27	8.42	645.85	-	-	645.85
	01/28/2009	654.27	10.24	644.03	-	-	644.03
	02/25/2009	654.27	9.20	645.07	-	-	645.07
	03/27/2009	654.27	9.28	644.99	-	-	644.99
	04/29/2009	654.27	9.28	644.99	-	-	644.99
	05/20/2009	654.27	9.42	644.85	-	-	644.85
	06/25/2009	654.27	9.16	645.11	-	-	645.11
	07/21/2009	654.27	10.12	644.15	-	-	644.15
	08/25/2009	654.27	10.70	643.57	-	-	643.57

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/16/2009	654.27	11.32	642.95	-	-	642.95
	10/14/2009	654.27	12.02	642.25	-	-	642.25
	11/10/2009	654.27	12.54	641.73	-	-	641.73
	12/14/2009	654.27	12.08	642.19	-	-	642.19
	01/11/2010	654.27	12.61	641.66	-	-	641.66
	02/10/2010	654.27	12.51	641.76	-	-	641.76
	03/10/2010	654.27	-	-	flooded	-	-
	04/14/2010	654.27	12.14	642.13	-	-	642.13
	05/12/2010	654.27	13.31	640.96	-	-	640.96
	06/17/2010	654.27	12.99	641.28	-	-	641.28
	07/14/2010	654.27	13.72	640.55	-	-	640.55
	08/09/2010	654.27	14.27	640.00	-	-	640.00
	09/16/2010	654.27	14.33	639.94	-	-	639.94
	10/13/2010	654.27	12.74	641.53	-	-	641.53
	11/16/2010	654.27	12.94	641.33	-	-	641.33
	12/16/2010	654.27	12.29	641.98	-	-	641.98
	01/13/2011	654.27	12.43	641.84	-	-	641.84
	03/14/2011	654.27	11.71	642.56	-	-	642.56
	04/12/2011	654.27	12.19	642.08	-	-	642.08
6-4M	04/04/2005	654.64	13.44	641.20	-	-	641.20
	05/16/2005	654.64	13.76	640.88	-	-	640.88
	06/13/2005	654.64	14.12	640.52	-	-	640.52
	07/11/2005	654.64	12.47	642.17	-	-	642.17
	08/22/2005	654.64	15.01	639.63	-	-	639.63
	10/17/2005	654.64	13.01	641.63	-	-	641.63
	01/09/2006	654.64	12.14	642.50	-	-	642.50
	04/03/2006	654.64	11.20	643.44	-	-	643.44
	05/31/2006	654.64	12.18	642.46	-	-	642.46
	06/12/2006	654.64	12.49	642.15	-	-	642.15
	08/02/2006	654.64	14.03	640.61	-	-	640.61
	09/06/2006	654.64	13.94	640.70	-	-	640.70
	11/01/2006	654.64	14.58	640.06	-	-	640.06
	01/09/2007	654.64	12.70	641.94	-	-	641.94
	05/07/2007	654.64	11.10	643.54	-	-	643.54
	07/24/2007	654.64	13.38	641.26	-	-	641.26
	10/16/2007	654.64	15.11	639.53	-	-	639.53
	01/11/2008	654.64	13.61	641.03	-	-	641.03
	07/07/2008	654.64	13.45	641.19	-	-	641.19
6-5M	04/04/2005	655.33	13.29	642.04	-	-	642.04
	05/16/2005	655.33	13.61	641.72	-	-	641.72
	06/13/2005	655.33	13.99	641.34	-	-	641.34
	07/11/2005	655.33	14.32	641.01	-	-	641.01
	08/22/2005	655.33	14.90	640.43	-	-	640.43
	10/17/2005	655.33	12.40	642.93	-	-	642.93
	01/09/2006	655.33	11.67	643.66	-	-	643.66
	04/03/2006	655.33	10.33	645.00	-	-	645.00
	05/31/2006	655.33	11.73	643.60	-	-	643.60
	06/12/2006	655.33	11.93	643.40	-	-	643.40

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/02/2006	655.33	14.25	641.08	-	-	641.08
	09/06/2006	655.33	13.65	641.68	-	-	641.68
	11/01/2006	655.33	14.47	640.86	-	-	640.86
	01/09/2007	655.33	11.97	643.36	-	-	643.36
	05/07/2007	655.33	10.37	644.96	-	-	644.96
	07/24/2007	655.33	13.29	642.04	-	-	642.04
	10/16/2007	655.33	14.99	640.34	-	-	640.34
	01/11/2008	655.33	12.87	642.46	-	-	642.46
	07/07/2008	655.33	14.45	640.88	-	-	640.88
6-6M	04/04/2005	655.59	14.05	641.54	-	-	641.54
	05/16/2005	655.59	14.40	641.19	14.27	0.13	641.29
	06/13/2005	655.59	14.60	640.99	-	-	640.99
	07/11/2005	655.59	14.94	640.65	-	-	640.65
	08/22/2005	655.59	15.69	639.90	15.50	0.19	640.04
	10/17/2005	655.59	13.63	641.96	-	-	641.96
	01/09/2006	655.59	12.68	642.91	12.66	0.02	642.93
	04/03/2006	655.59	11.77	643.82	-	-	643.82
	05/31/2006	655.59	12.70	642.89	-	-	642.89
	06/12/2006	655.59	13.02	642.57	-	-	642.57
	08/02/2006	655.59	14.69	640.90	-	-	640.90
	09/06/2006	655.59	14.40	641.19	-	-	641.19
	11/01/2006	655.59	15.19	640.40	-	-	640.40
	01/09/2007	655.59	13.63	641.96	-	-	641.96
	05/07/2007	655.59	11.69	643.90	-	-	643.90
	07/24/2007	655.59	14.03	641.56	-	-	641.56
	10/16/2007	655.59	15.77	639.82	-	-	639.82
	01/11/2008	655.59	14.21	641.38	-	-	641.38
	07/07/2008	655.59	14.70	640.89	-	-	640.89
	09/18/2008	655.59	13.44	642.15	-	-	642.15
	10/23/2008	655.59	13.72	641.87	-	-	641.87
	12/31/2008	655.59	9.90	645.69	-	-	645.69
	01/28/2009	655.59	10.75	644.84	-	-	644.84
	02/25/2009	655.59	10.75	644.84	-	-	644.84
	03/27/2009	655.59	10.66	644.93	-	-	644.93
	04/29/2009	655.59	10.83	644.76	Sheen	-	644.76
	05/20/2009	655.59	11.15	644.44	-	-	644.44
	06/25/2009	655.59	10.68	644.91	-	-	644.91
	07/21/2009	655.59	11.64	643.95	-	-	643.95
	08/25/2009	655.59	12.18	643.41	-	-	643.41
	09/16/2009	655.59	12.75	642.84	-	-	642.84
	10/14/2009	655.59	13.39	642.20	-	-	642.20
	11/10/2009	655.59	13.93	641.66	13.91	0.02	641.68
	12/14/2009	655.59	14.21	641.38	-	-	641.38
	01/11/2010	655.59	14.08	641.51	-	-	641.51
	02/10/2010	655.59	14.41	641.18	-	-	641.18
	03/10/2010	655.59	15.99	639.60	-	-	639.60
	04/14/2010	655.59	13.46	642.13	-	-	642.13
	05/12/2010	655.59	14.98	640.61	-	-	640.61
	06/17/2010	655.59	15.31	640.28	-	-	640.28
	07/14/2010	655.59	16.09	639.50	-	-	639.50

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/09/2010	655.59	15.60	639.99	-	-	639.99
	09/16/2010	655.59	15.45	640.14	-	-	640.14
	10/13/2010	655.59	14.07	641.52	-	-	641.52
	11/16/2010	655.59	14.20	641.39	-	-	641.39
	12/16/2010	655.59	13.61	641.98	-	-	641.98
	01/13/2011	655.59	13.61	641.98	-	-	641.98
	03/14/2011	655.59	13.49	642.10	-	-	642.10
	04/12/2011	655.59	13.73	641.86	-	-	641.86
6-7M	04/04/2005	656.54	14.09	642.45	-	-	642.45
	05/16/2005	656.54	14.33	642.21	-	-	642.21
	06/13/2005	656.54	14.65	641.89	-	-	641.89
	07/11/2005	656.54	14.98	641.56	-	-	641.56
	08/22/2005	656.54	15.54	641.00	-	-	641.00
	10/17/2005	656.54	13.54	643.00	-	-	643.00
	01/09/2006	656.54	12.55	643.99	-	-	643.99
	04/03/2006	656.54	11.27	645.27	-	-	645.27
	05/31/2006	656.54	12.48	644.06	-	-	644.06
	06/12/2006	656.54	12.94	643.60	-	-	643.60
	08/02/2006	656.54	14.71	641.83	-	-	641.83
	09/06/2006	656.54	14.30	642.24	-	-	642.24
	11/01/2006	656.54	14.92	641.62	-	-	641.62
	01/09/2007	656.54	13.25	643.29	-	-	643.29
	05/07/2007	656.54	11.22	645.32	-	-	645.32
	07/24/2007	656.54	13.99	642.55	-	-	642.55
	10/16/2007	656.54	15.66	640.88	-	-	640.88
	01/11/2008	656.54	14.09	642.45	-	-	642.45
	07/07/2008	656.54	15.00	641.54	-	-	641.54
6-8M	04/04/2005	656.44	14.68	641.76	14.45	0.23	641.93
	05/16/2005	656.44	14.63	641.81	-	-	641.81
	06/13/2005	656.44	14.95	641.49	14.94	0.01	641.50
	07/11/2005	656.44	15.54	640.90	15.27	0.27	641.11
	08/22/2005	656.44	16.15	640.29	15.87	0.28	640.50
	10/17/2005	656.44	13.83	642.61	-	-	642.61
	01/09/2006	656.44	13.00	643.44	12.98	0.02	643.46
	04/03/2006	656.44	12.68	643.76	-	-	643.76
	05/31/2006	656.44	13.04	643.40	-	-	643.40
	06/12/2006	656.44	13.38	643.06	-	-	643.06
	08/02/2006	656.44	14.77	641.67	-	-	641.67
	09/06/2006	656.44	14.72	641.72	-	-	641.72
	11/01/2006	656.44	15.31	641.13	-	-	641.13
	01/09/2007	656.44	13.64	642.80	-	-	642.80
	05/07/2007	656.44	12.04	644.40	-	-	644.40
	07/24/2007	656.44	14.30	642.14	-	-	642.14
	10/16/2007	656.44	16.11	640.33	-	-	640.33
	01/11/2008	656.44	14.88	641.56	-	-	641.56
	07/07/2008	656.44	14.90	641.54	-	-	641.54

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
6-9M	04/04/2005	657.71	14.83	642.88	14.46	0.37	643.16
	05/16/2005	657.71	14.85	642.86	14.53	0.32	643.10
	06/13/2005	657.71	15.20	642.51	14.84	0.36	642.78
	07/11/2005	657.71	15.55	642.16	15.22	0.33	642.41
	08/22/2005	657.71	16.02	641.69	15.80	0.22	641.86
	10/17/2005	657.71	13.91	643.80	-	-	643.80
	01/09/2006	657.71	12.98	644.73	-	-	644.73
	04/03/2006	657.71	12.08	645.63	-	-	645.63
	05/31/2006	657.71	12.97	644.74	-	-	644.74
	06/12/2006	657.71	13.33	644.38	-	-	644.38
	08/02/2006	657.71	14.32	643.39	-	-	643.39
	09/06/2006	657.71	14.60	643.11	-	-	643.11
	11/01/2006	657.71	14.83	642.88	-	-	642.88
	01/09/2007	657.71	13.22	644.49	-	-	644.49
	05/07/2007	657.71	11.80	645.91	-	-	645.91
	07/24/2007	657.71	13.98	643.73	-	-	643.73
	10/16/2007	657.71	15.95	641.76	-	-	641.76
	01/11/2008	657.71	14.43	643.28	-	-	643.28
07/07/2008	657.71	15.13	642.58	-	-	642.58	
6-10M	04/04/2005	657.60	15.02	642.58	-	-	642.58
	05/16/2005	657.60	14.98	642.62	-	-	642.62
	06/13/2005	657.60	15.32	642.28	-	-	642.28
	07/11/2005	657.60	15.69	641.91	-	-	641.91
	08/22/2005	657.60	16.25	641.35	-	-	641.35
	10/17/2005	657.60	14.53	643.07	-	-	643.07
	01/09/2006	657.60	13.48	644.12	-	-	644.12
	04/03/2006	657.60	12.57	645.03	-	-	645.03
	05/31/2006	657.60	13.49	644.11	-	-	644.11
	06/12/2006	657.60	13.80	643.80	-	-	643.80
	08/02/2006	657.60	14.62	642.98	-	-	642.98
	09/06/2006	657.60	15.06	642.54	-	-	642.54
	11/01/2006	657.60	15.36	642.24	-	-	642.24
	01/09/2007	657.60	13.75	643.85	-	-	643.85
	05/07/2007	657.60	12.35	645.25	-	-	645.25
	07/24/2007	657.60	14.40	643.20	-	-	643.20
	10/16/2007	657.60	16.35	641.25	-	-	641.25
	01/11/2008	657.60	15.05	642.55	-	-	642.55
	07/07/2008	657.60	15.00	642.60	-	-	642.60
	09/18/2008	657.60	13.65	643.95	-	-	643.95
	10/23/2008	657.60	13.65	643.95	-	-	643.95
	12/31/2008	657.60	10.66	646.94	-	-	646.94
	01/28/2009	657.60	11.51	646.09	-	-	646.09
	02/25/2009	657.60	11.71	645.89	-	-	645.89
03/27/2009	657.60	11.79	645.81	-	-	645.81	
04/29/2009	657.60	11.66	645.94	-	-	645.94	
05/20/2009	657.60	11.91	645.69	-	-	645.69	
06/25/2009	657.60	11.35	646.25	-	-	646.25	
07/21/2009	657.60	12.29	645.31	-	-	645.31	
08/25/2009	657.60	12.28	645.32	-	-	645.32	

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/16/2009	657.60	13.36	644.24	-	-	644.24
	10/14/2009	657.60	14.04	643.56	-	-	643.56
	11/10/2009	657.60	14.56	643.04	-	-	643.04
	12/14/2009	657.60	14.63	642.97	-	-	642.97
	01/11/2010	657.60	15.06	642.54	-	-	642.54
	02/10/2010	657.60	14.84	642.76	-	-	642.76
	03/10/2010	657.60	15.31	642.29	-	-	642.29
	04/14/2010	657.60	14.98	642.62	-	-	642.62
	05/12/2010	657.60	15.76	641.84	-	-	641.84
	06/17/2010	657.60	15.63	641.97	-	-	641.97
	07/14/2010	657.60	16.41	641.19	-	-	641.19
	08/09/2010	657.60	16.31	641.29	-	-	641.29
	09/16/2010	657.60	16.11	641.49	-	-	641.49
	10/13/2010	657.60	14.74	642.86	-	-	642.86
	11/16/2010	657.60	14.87	642.73	-	-	642.73
	12/16/2010	657.60	14.27	643.33	-	-	643.33
	01/13/2011	657.60	14.21	643.39	-	-	643.39
	03/14/2011	657.60	14.02	643.58	-	-	643.58
	04/12/2011	657.60	14.43	643.17	-	-	643.17
6-11M	04/04/2005	658.42	14.67	643.75	-	-	643.75
	05/16/2005	658.42	14.65	643.77	-	-	643.77
	06/13/2005	658.42	14.99	643.43	-	-	643.43
	07/11/2005	658.42	15.34	643.08	-	-	643.08
	08/22/2005	658.42	15.85	642.57	-	-	642.57
	10/17/2005	658.42	14.11	644.31	-	-	644.31
	01/09/2006	658.42	13.10	645.32	-	-	645.32
	04/03/2006	658.42	12.18	646.24	-	-	646.24
	05/31/2006	658.42	13.10	645.32	-	-	645.32
	06/12/2006	658.42	13.41	645.01	-	-	645.01
	08/02/2006	658.42	14.05	644.37	-	-	644.37
	09/06/2006	658.42	14.66	643.76	-	-	643.76
	11/01/2006	658.42	14.71	643.71	-	-	643.71
	01/09/2007	658.42	13.23	645.19	-	-	645.19
	05/07/2007	658.42	11.92	646.50	-	-	646.50
	07/24/2007	658.42	13.97	644.45	-	-	644.45
	10/16/2007	658.42	15.95	642.47	-	-	642.47
	01/11/2008	658.42	14.55	643.87	-	-	643.87
	07/07/2008	658.42	14.95	643.47	-	-	643.47
6-12M	04/04/2005	658.49	15.37	643.12	-	-	643.12
	05/16/2005	658.49	15.18	643.31	-	-	643.31
	06/13/2005	658.49	15.55	642.94	-	-	642.94
	07/11/2005	658.49	15.93	642.56	-	-	642.56
	08/22/2005	658.49	16.43	642.06	-	-	642.06
	10/17/2005	658.49	14.96	643.53	-	-	643.53
	01/09/2006	658.49	13.77	644.72	-	-	644.72
	04/03/2006	658.49	12.88	645.61	-	-	645.61
	05/31/2006	658.49	13.79	644.70	-	-	644.70
	06/12/2006	658.49	14.08	644.41	-	-	644.41

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/02/2006	658.49	14.66	643.83	-	-	643.83
	09/06/2006	658.49	15.32	643.17	-	-	643.17
	11/01/2006	658.49	15.53	642.96	-	-	642.96
	01/09/2007	658.49	13.94	644.55	-	-	644.55
	05/07/2007	658.49	12.64	645.85	-	-	645.85
	07/24/2007	658.49	14.51	643.98	-	-	643.98
	10/16/2007	658.49	16.51	641.98	-	-	641.98
	01/11/2008	658.49	15.38	643.11	-	-	643.11
	07/07/2008	658.49	14.85	643.64	-	-	643.64
7-1M	04/04/2005	654.41	12.04	642.37	-	-	642.37
	05/16/2005	654.41	12.32	642.09	-	-	642.09
	06/13/2005	654.41	12.70	641.71	-	-	641.71
	07/11/2005	654.41	13.13	641.28	-	-	641.28
	08/22/2005	654.41	13.61	640.80	-	-	640.80
	10/17/2005	654.41	11.53	642.88	-	-	642.88
	01/09/2006	654.41	10.78	643.63	-	-	643.63
	04/03/2006	654.41	9.73	644.68	-	-	644.68
	05/31/2006	654.41	10.76	643.65	-	-	643.65
	06/12/2006	654.41	NR	-	NR	-	-
	08/02/2006	654.41	12.05	642.36	-	-	642.36
	09/06/2006	654.41	12.66	641.75	-	-	641.75
	11/01/2006	654.41	12.66	641.75	-	-	641.75
	01/09/2007	654.41	11.01	643.40	-	-	643.40
	05/07/2007	654.41	9.54	644.87	-	-	644.87
	07/24/2007	654.41	11.77	642.64	-	-	642.64
	10/16/2007	654.41	13.83	640.58	-	-	640.58
	01/11/2008	654.41	12.13	642.28	-	-	642.28
	07/07/2008	654.41	11.80	642.61	-	-	642.61
7-2M	04/04/2005	654.72	11.45	643.27	-	-	643.27
	05/16/2005	654.72	11.65	643.07	-	-	643.07
	06/13/2005	654.72	12.76	641.96	-	-	641.96
	07/11/2005	654.72	12.58	642.14	12.45	0.13	642.24
	08/22/2005	654.72	13.12	641.60	12.89	0.23	641.77
	10/17/2005	654.72	10.76	643.96	-	-	643.96
	01/09/2006	654.72	10.10	644.62	-	-	644.62
	04/03/2006	654.72	9.02	645.70	-	-	645.70
	05/31/2006	654.72	10.02	644.70	-	-	644.70
	06/12/2006	654.72	NR	-	NR	-	-
	08/02/2006	654.72	11.12	643.60	-	-	643.60
	09/06/2006	654.72	11.95	642.77	-	-	642.77
	11/01/2006	654.72	11.68	643.04	-	-	643.04
	01/09/2007	654.72	10.08	644.64	-	-	644.64
	05/07/2007	654.72	8.73	645.99	-	-	645.99
	07/24/2007	654.72	10.95	643.77	-	-	643.77
	10/16/2007	654.72	13.09	641.63	-	-	641.63
	01/11/2008	654.72	11.38	643.34	-	-	643.34
	07/07/2008	654.72	10.75	643.97	-	-	643.97



**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
7-3M	04/04/2005	654.97	12.28	642.69	-	-	642.69
	05/16/2005	654.97	12.48	642.49	-	-	642.49
	06/13/2005	654.97	12.76	642.21	-	-	642.21
	07/11/2005	654.97	13.21	641.76	-	-	641.76
	08/22/2005	654.97	13.68	641.29	-	-	641.29
	10/17/2005	654.97	11.53	643.44	-	-	643.44
	01/09/2006	654.97	10.78	644.19	-	-	644.19
	04/03/2006	654.97	9.80	645.17	-	-	645.17
	05/31/2006	654.97	10.76	644.21	-	-	644.21
	06/12/2006	654.97	NR	-	NR	-	-
	08/02/2006	654.97	12.04	642.93	-	-	642.93
	09/06/2006	654.97	12.72	642.25	-	-	642.25
	11/01/2006	654.97	12.83	642.14	-	-	642.14
	01/09/2007	654.97	11.05	643.92	-	-	643.92
	05/07/2007	654.97	9.62	645.35	-	-	645.35
	07/24/2007	654.97	11.93	643.04	-	-	643.04
	10/16/2007	654.97	13.82	641.15	-	-	641.15
	01/11/2008	654.97	12.14	642.83	-	-	642.83
07/07/2008	654.97	11.95	643.02	-	-	643.02	
7-4M	04/04/2005	655.79	12.10	643.69	-	-	643.69
	05/16/2005	655.79	12.40	643.39	-	-	643.39
	06/13/2005	655.79	12.69	643.10	-	-	643.10
	07/11/2005	655.79	13.13	642.66	-	-	642.66
	08/22/2005	655.79	13.59	642.20	-	-	642.20
	10/17/2005	655.79	11.16	644.63	-	-	644.63
	01/09/2006	655.79	10.63	645.16	-	-	645.16
	04/03/2006	655.79	9.48	646.31	-	-	646.31
	05/31/2006	655.79	10.58	645.21	-	-	645.21
	06/12/2006	655.79	NR	-	NR	-	-
	08/02/2006	655.79	11.57	644.22	-	-	644.22
	09/06/2006	655.79	12.37	643.42	-	-	643.42
	11/01/2006	655.79	12.13	643.66	-	-	643.66
	01/09/2007	655.79	10.67	645.12	-	-	645.12
	05/07/2007	655.79	9.26	646.53	-	-	646.53
	07/24/2007	655.79	11.54	644.25	-	-	644.25
	10/16/2007	655.79	13.67	642.12	-	-	642.12
	01/11/2008	655.79	11.81	643.98	-	-	643.98
07/07/2008	655.79	11.65	644.14	-	-	644.14	
7-5M	04/04/2005	656.26	13.03	643.23	-	-	643.23
	05/16/2005	656.26	13.29	642.97	-	-	642.97
	06/13/2005	656.26	13.55	642.71	-	-	642.71
	07/11/2005	656.26	14.05	642.21	13.98	0.07	642.26
	08/22/2005	656.26	14.50	641.76	-	-	641.76
	10/17/2005	656.26	12.05	644.21	-	-	644.21
	01/09/2006	656.26	11.56	644.70	-	-	644.70
	04/03/2006	656.26	10.55	645.71	-	-	645.71
	05/31/2006	656.26	11.52	644.74	-	-	644.74
	06/12/2006	656.26	NR	-	NR	-	-

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/02/2006	656.26	12.79	643.47	-	-	643.47
	09/06/2006	656.26	13.25	643.01	-	-	643.01
	11/01/2006	656.26	13.29	642.97	-	-	642.97
	01/09/2007	656.26	11.77	644.49	-	-	644.49
	05/07/2007	656.26	10.29	645.97	-	-	645.97
	07/24/2007	656.26	12.56	643.70	-	-	643.70
	10/16/2007	656.26	14.58	641.68	-	-	641.68
	01/11/2008	656.26	12.78	643.48	-	-	643.48
	07/07/2008	656.26	13.40	642.86	13.00	0.40	643.16
	09/18/2008	656.26	11.70	644.56	-	-	644.56
	10/23/2008	656.26	11.70	644.56	-	-	644.56
	12/31/2008	656.26	8.62	647.64	-	-	647.64
	01/28/2009	656.26	9.50	646.76	-	-	646.76
	02/25/2009	656.26	10.10	646.16	9.45	0.65	646.65
	03/27/2009	656.26	9.47	646.79	-	-	646.79
	04/29/2009	656.26	9.59	646.67	9.58	0.01	646.68
	05/20/2009	656.26	9.74	646.52	-	-	646.52
	06/25/2009	656.26	9.31	646.95	-	-	646.95
	07/21/2009	656.26	10.32	645.94	-	-	645.94
	08/25/2009	656.26	10.90	645.36	-	-	645.36
	09/16/2009	656.26	11.58	644.68	11.55	0.03	644.70
	10/14/2009	656.26	12.78	643.48	12.27	0.51	643.99
	11/10/2009	656.26	12.84	643.42	12.83	0.01	643.43
	12/14/2009	656.26	13.19	643.07	-	-	643.07
	01/11/2010	656.26	13.54	642.72	-	-	642.72
	02/10/2010	656.26	13.55	642.71	-	-	642.71
	03/10/2010	656.26	14.19	642.07	-	-	642.07
	04/14/2010	656.26	14.06	642.20	-	-	642.20
	05/12/2010	656.26	14.62	641.64	-	-	641.64
	06/17/2010	656.26	14.64	641.62	-	-	641.62
	07/14/2010	656.26	15.11	641.15	-	-	641.15
	08/09/2010	656.26	14.53	641.73	-	-	641.73
	09/16/2010	656.26	14.48	641.78	-	-	641.78
	10/13/2010	656.26	13.01	643.25	12.98	0.03	643.28
	11/16/2010	656.26	13.24	643.02	-	-	643.02
	12/16/2010	656.26	12.68	643.58	-	-	643.58
	01/13/2011	656.26	12.73	643.53	-	-	643.53
	03/14/2011	656.26	12.04	644.22	-	-	644.22
	04/12/2011	656.26	12.78	643.48	-	-	643.48
7-6M	04/04/2005	656.26	11.96	644.30	-	-	644.30
	05/16/2005	656.26	12.21	644.05	-	-	644.05
	06/13/2005	656.26	12.50	643.76	-	-	643.76
	07/11/2005	656.26	12.86	643.40	-	-	643.40
	08/22/2005	656.26	13.50	642.76	13.34	0.16	642.88
	10/17/2005	656.26	10.93	645.33	-	-	645.33
	01/09/2006	656.26	10.42	645.84	-	-	645.84
	04/03/2006	656.26	9.41	646.85	-	-	646.85
	05/31/2006	656.26	10.38	645.88	-	-	645.88
	06/12/2006	656.26	NR	-	NR	-	-
	08/02/2006	656.26	11.17	645.09	-	-	645.09

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/06/2006	656.26	12.05	644.21	-	-	644.21
	11/01/2006	656.26	11.70	644.56	-	-	644.56
	01/09/2007	656.26	10.37	645.89	-	-	645.89
	05/07/2007	656.26	9.04	647.22	-	-	647.22
	07/24/2007	656.26	11.28	644.98	-	-	644.98
	10/16/2007	656.26	13.33	642.93	13.31	0.02	642.95
	01/11/2008	656.26	11.52	644.74	-	-	644.74
	07/07/2008	656.26	11.10	645.16	-	-	645.16
	09/18/2008	656.26	10.65	645.61	-	-	645.61
	10/23/2008	656.26	11.02	645.24	-	-	645.24
	12/31/2008	656.26	7.55	648.71	-	-	648.71
	01/28/2009	656.26	8.54	647.72	-	-	647.72
	02/25/2009	656.26	8.35	647.91	-	-	647.91
	03/27/2009	656.26	8.66	647.60	-	-	647.60
	04/29/2009	656.26	8.49	647.77	-	-	647.77
	05/20/2009	656.26	8.25	648.01	-	-	648.01
	06/25/2009	656.26	8.22	648.04	-	-	648.04
	07/21/2009	656.26	9.14	647.12	-	-	647.12
	08/25/2009	656.26	9.70	646.56	-	-	646.56
	09/16/2009	656.26	10.46	645.80	-	-	645.80
	10/14/2009	656.26	11.32	644.94	-	-	644.94
	11/10/2009	656.26	11.78	644.48	-	-	644.48
	12/14/2009	656.26	11.86	644.40	-	-	644.40
	01/11/2010	656.26	11.99	644.27	-	-	644.27
	02/10/2010	656.26	12.44	643.82	-	-	643.82
	03/10/2010	656.26	13.23	643.03	-	-	643.03
	04/14/2010	656.26	12.66	643.60	-	-	643.60
	05/12/2010	656.26	12.81	643.45	-	-	643.45
	06/17/2010	656.26	13.21	643.05	-	-	643.05
	07/14/2010	656.26	13.31	642.95	-	-	642.95
	08/09/2010	656.26	13.57	642.69	-	-	642.69
	09/16/2010	656.26	13.41	642.85	-	-	642.85
	10/13/2010	656.26	11.81	644.45	-	-	644.45
	11/16/2010	656.26	12.22	644.04	-	-	644.04
	12/16/2010	656.26	11.51	644.75	-	-	644.75
	01/13/2011	656.26	11.79	644.47	-	-	644.47
	03/14/2011	656.26	10.98	645.28	-	-	645.28
	04/12/2011	656.26	11.73	644.53	-	-	644.53
7-7M	04/04/2005	656.94	13.09	643.85	-	-	643.85
	05/16/2005	656.94	13.19	643.75	-	-	643.75
	06/13/2005	656.94	13.54	643.40	-	-	643.40
	07/11/2005	656.94	13.90	643.04	-	-	643.04
	08/22/2005	656.94	14.42	642.52	14.41	0.01	642.53
	10/17/2005	656.94	12.00	644.94	-	-	644.94
	01/09/2006	656.94	11.63	645.31	-	-	645.31
	04/03/2006	656.94	10.60	646.34	-	-	646.34
	05/31/2006	656.94	11.59	645.35	-	-	645.35
	06/12/2006	656.94	NR	-	NR	-	-
	08/02/2006	656.94	12.62	644.32	-	-	644.32

**Table D-1  
Historical Well Gauging Data Summary**

Areas 3805 and 1995  
Fort Drum

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
	09/06/2006	656.94	13.20	643.74	-	-	643.74
	11/01/2006	656.94	13.04	643.90	-	-	643.90
	01/09/2007	656.94	11.63	645.31	-	-	645.31
	05/07/2007	656.94	10.29	646.65	-	-	646.65
	07/24/2007	656.94	12.49	644.45	-	-	644.45
	10/16/2007	656.94	14.50	642.44	-	-	642.44
	01/11/2008	656.94	12.74	644.20	-	-	644.20
	07/07/2008	656.94	13.00	643.94	-	-	643.94
	09/18/2008	656.94	11.78	645.16	-	-	645.16
	10/23/2008	656.94	11.60	645.34	-	-	645.34
	12/31/2008	656.94	8.15	648.79	-	-	648.79
	01/28/2009	656.94	8.84	648.10	-	-	648.10
	02/25/2009	656.94	9.57	647.37	-	-	647.37
	03/27/2009	656.94	8.22	648.72	-	-	648.72
	04/29/2009	656.94	9.63	647.31	-	-	647.31
	05/20/2009	656.94	9.77	647.17	-	-	647.17
	06/25/2009	656.94	9.34	647.60	-	-	647.60
	07/21/2009	656.94	10.31	646.63	-	-	646.63
	08/25/2009	656.94	10.85	646.09	-	-	646.09
	09/16/2009	656.94	11.54	645.40	-	-	645.40
	10/14/2009	656.94	12.25	644.69	-	-	644.69
	11/10/2009	656.94	12.77	644.17	-	-	644.17
	12/14/2009	656.94	17.06	639.88	-	-	639.88
	01/11/2010	656.94	12.64	644.30	-	-	644.30
	02/10/2010	656.94	13.43	643.51	-	-	643.51
	03/10/2010	656.94	14.01	642.93	-	-	642.93
	04/14/2010	656.94	13.71	643.23	-	-	643.23
	05/12/2010	656.94	13.56	643.38	-	-	643.38
	06/17/2010	656.94	13.58	643.36	-	-	643.36
	07/14/2010	656.94	13.45	643.49	-	-	643.49
	08/09/2010	656.94	14.46	642.48	-	-	642.48
	09/16/2010	656.94	14.37	642.57	-	-	642.57
	10/13/2010	656.94	12.82	644.12	-	-	644.12
	11/16/2010	656.94	13.21	643.73	-	-	643.73
	12/16/2010	656.94	12.49	644.45	-	-	644.45
	01/13/2011	656.94	12.68	644.26	-	-	644.26
	03/14/2011	656.94	12.18	644.76	-	-	644.76
	04/12/2011	656.94	12.79	644.15	-	-	644.15
7-8M	04/04/2005	657.32	12.87	644.45	12.50	0.37	644.73
	05/16/2005	657.32	12.80	644.52	-	-	644.52
	06/13/2005	657.32	13.03	644.29	-	-	644.29
	07/11/2005	657.32	13.62	643.70	13.42	0.20	643.85
	08/22/2005	657.32	14.16	643.16	14.01	0.15	643.27
	10/17/2005	657.32	10.94	646.38	-	-	646.38
	01/09/2006	657.32	11.06	646.26	-	-	646.26
	04/03/2006	657.32	9.78	647.54	-	-	647.54
	05/31/2006	657.32	10.97	646.35	-	-	646.35
	06/12/2006	657.32	NR	-	NR	-	-
	08/02/2006	657.32	11.83	645.49	-	-	645.49

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/06/2006	657.32	12.59	644.73	-	-	644.73
	11/01/2006	657.32	12.09	645.23	-	-	645.23
	01/09/2007	657.32	10.73	646.59	-	-	646.59
	05/07/2007	657.32	9.32	648.00	-	-	648.00
	07/24/2007	657.32	12.24	645.08	-	-	645.08
	10/16/2007	657.32	13.97	643.35	-	-	643.35
	01/11/2008	657.32	11.72	645.60	-	-	645.60
	07/07/2008	657.32	14.05	643.27	-	-	643.27
	09/18/2008	657.32	13.55	643.77	-	-	643.77
	10/23/2008	657.32	11.32	646.00	-	-	646.00
	12/31/2008	657.32	7.84	649.48	-	-	649.48
	01/28/2009	657.32	9.20	648.12	-	-	648.12
	02/25/2009	657.32	8.63	648.69	-	-	648.69
	03/27/2009	657.32	7.24	650.08	-	-	650.08
	04/29/2009	657.32	8.81	648.51	-	-	648.51
	05/20/2009	657.32	8.84	648.48	-	-	648.48
	06/25/2009	657.32	8.62	648.70	-	-	648.70
	07/21/2009	657.32	9.47	647.85	-	-	647.85
	08/25/2009	657.32	10.08	647.24	-	-	647.24
	09/16/2009	657.32	11.02	646.30	-	-	646.30
	10/14/2009	657.32	11.56	645.76	-	-	645.76
	11/10/2009	657.32	13.61	643.71	-	-	643.71
	12/14/2009	657.32	12.42	644.90	-	-	644.90
	01/11/2010	657.32	11.98	645.34	-	-	645.34
	02/10/2010	657.32	14.01	643.31	-	-	643.31
	03/10/2010	657.32	13.26	644.06	-	-	644.06
	04/14/2010	657.32	11.78	645.54	-	-	645.54
	05/12/2010	657.32	11.73	645.59	-	-	645.59
	06/17/2010	657.32	12.36	644.96	-	-	644.96
	07/14/2010	657.32	12.46	644.86	-	-	644.86
	08/09/2010	657.32	13.97	643.35	-	-	643.35
	09/16/2010	657.32	13.76	643.56	-	-	643.56
	10/13/2010	657.32	11.86	645.46	-	-	645.46
	11/16/2010	657.32	12.73	644.59	-	-	644.59
	12/16/2010	657.32	11.93	645.39	-	-	645.39
	01/13/2011	657.32	12.25	645.07	-	-	645.07
	03/14/2011	657.32	10.82	646.50	-	-	646.50
	04/12/2011	657.32	13.16	644.16	-	-	644.16
7-9M	04/04/2005	657.97	13.50	644.47	-	-	644.47
	05/16/2005	657.97	13.64	644.33	13.60	0.04	644.36
	06/13/2005	657.97	13.93	644.04	-	-	644.04
	07/11/2005	657.97	14.39	643.58	14.28	0.11	643.66
	08/22/2005	657.97	14.86	643.11	14.78	0.08	643.17
	10/17/2005	657.97	12.38	645.59	-	-	645.59
	01/09/2006	657.97	12.01	645.96	-	-	645.96
	04/03/2006	657.97	10.99	646.98	-	-	646.98
	05/31/2006	657.97	11.96	646.01	-	-	646.01
	06/12/2006	657.97	NR	-	NR	-	-
	08/02/2006	657.97	12.79	645.18	-	-	645.18

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/06/2006	657.97	13.52	644.45	-	-	644.45
	11/01/2006	657.97	13.14	644.83	-	-	644.83
	01/09/2007	657.97	11.90	646.07	-	-	646.07
	05/07/2007	657.97	10.64	647.33	-	-	647.33
	07/24/2007	657.97	12.92	645.05	-	-	645.05
	10/16/2007	657.97	14.86	643.11	-	-	643.11
	01/11/2008	657.97	12.91	645.06	-	-	645.06
	07/07/2008	657.97	14.45	643.52	-	-	643.52
7-10M	04/04/2005	659.20	11.49	647.71	-	-	647.71
	05/16/2005	659.20	12.65	646.55	-	-	646.55
	06/13/2005	659.20	13.14	646.06	-	-	646.06
	07/11/2005	659.20	13.21	645.99	-	-	645.99
	08/22/2005	659.20	14.90	644.30	-	-	644.30
	10/17/2005	659.20	10.95	648.25	-	-	648.25
	01/09/2006	659.20	11.79	647.41	-	-	647.41
	04/03/2006	659.20	11.12	648.08	-	-	648.08
	05/31/2006	659.20	11.99	647.21	-	-	647.21
	06/12/2006	659.20	NR	-	NR	-	-
	08/02/2006	659.20	12.69	646.51	-	-	646.51
	09/06/2006	659.20	13.32	645.88	-	-	645.88
	11/01/2006	659.20	11.54	647.66	-	-	647.66
	01/09/2007	659.20	11.62	647.58	-	-	647.58
	05/07/2007	659.20	10.65	648.55	-	-	648.55
	07/24/2007	659.20	12.56	646.64	-	-	646.64
	10/16/2007	659.20	15.03	644.17	-	-	644.17
	01/11/2008	659.20	11.63	647.57	-	-	647.57
	07/07/2008	659.20	13.45	645.75	-	-	645.75
7-11M	04/04/2005	660.48	15.73	644.75	-	-	644.75
	05/16/2005	660.48	15.74	644.74	-	-	644.74
	06/13/2005	660.48	16.04	644.44	-	-	644.44
	07/11/2005	660.48	16.37	644.11	-	-	644.11
	08/22/2005	660.48	16.93	643.55	-	-	643.55
	10/17/2005	660.48	14.94	645.54	-	-	645.54
	01/09/2006	660.48	14.17	646.31	-	-	646.31
	04/03/2006	660.48	13.13	647.35	-	-	647.35
	05/31/2006	660.48	14.13	646.35	-	-	646.35
	06/12/2006	660.48	NR	-	NR	-	-
	08/02/2006	660.48	14.95	645.53	-	-	645.53
	09/06/2006	660.48	15.67	644.81	-	-	644.81
	11/01/2006	660.48	15.53	644.95	-	-	644.95
	01/09/2007	660.48	14.21	646.27	-	-	646.27
	05/07/2007	660.48	12.92	647.56	-	-	647.56
	07/24/2007	660.48	15.07	645.41	-	-	645.41
	10/16/2007	660.48	16.95	643.53	-	-	643.53
	01/11/2008	660.48	15.50	644.98	-	-	644.98
	07/07/2008	660.48	16.10	644.38	-	-	644.38
	09/18/2008	660.48	14.35	646.13	-	-	646.13
	10/23/2008	660.48	14.55	645.93	-	-	645.93

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	12/31/2008	660.48	11.48	649.00	-	-	649.00
	01/28/2009	660.48	12.24	648.24	-	-	648.24
	02/25/2009	660.48	12.35	648.13	-	-	648.13
	03/27/2009	660.48	10.72	649.76	-	-	649.76
	04/29/2009	660.48	12.27	648.21	-	-	648.21
	05/20/2009	660.48	12.38	648.10	-	-	648.10
	06/25/2009	660.48	11.34	649.14	-	-	649.14
	07/21/2009	660.48	12.98	647.50	-	-	647.50
	08/25/2009	660.48	13.41	647.07	-	-	647.07
	09/16/2009	660.48	14.14	646.34	-	-	646.34
	10/14/2009	660.48	14.82	645.66	-	-	645.66
	11/10/2009	660.48	15.92	644.56	-	-	644.56
	12/14/2009	660.48	15.21	645.27	-	-	645.27
	01/11/2010	660.48	15.39	645.09	-	-	645.09
	02/10/2010	660.48	16.01	644.47	-	-	644.47
	03/10/2010	660.48	16.68	643.80	-	-	643.80
	04/14/2010	660.48	16.21	644.27	-	-	644.27
	05/12/2010	660.48	16.38	644.10	-	-	644.10
	06/17/2010	660.48	16.34	644.14	-	-	644.14
	07/14/2010	660.48	17.21	643.27	-	-	643.27
	08/09/2010	660.48	17.02	643.46	-	-	643.46
	09/16/2010	660.48	16.91	643.57	-	-	643.57
	10/13/2010	660.48	15.33	645.15	-	-	645.15
	11/16/2010	660.48	15.68	644.80	-	-	644.80
	12/16/2010	660.48	14.99	645.49	-	-	645.49
	01/13/2011	660.48	15.31	645.17	-	-	645.17
	03/14/2011	660.48	14.55	645.93	-	-	645.93
	04/12/2011	660.48	15.31	645.17	-	-	645.17
7-12M	04/04/2005	660.77	15.13	645.64	-	-	645.64
	05/16/2005	660.77	15.20	645.57	-	-	645.57
	06/13/2005	660.77	15.51	645.26	-	-	645.26
	07/11/2005	660.77	15.77	645.00	-	-	645.00
	08/22/2005	660.77	16.40	644.37	-	-	644.37
	10/17/2005	660.77	14.30	646.47	-	-	646.47
	01/09/2006	660.77	13.66	647.11	-	-	647.11
	04/03/2006	660.77	12.60	648.17	-	-	648.17
	05/31/2006	660.77	13.58	647.19	-	-	647.19
	06/12/2006	660.77	NR	-	NR	-	-
	08/02/2006	660.77	14.26	646.51	-	-	646.51
	09/06/2006	660.77	15.12	645.65	-	-	645.65
	11/01/2006	660.77	14.81	645.96	-	-	645.96
	01/09/2007	660.77	13.60	647.17	-	-	647.17
	05/07/2007	660.77	12.31	648.46	-	-	648.46
	07/24/2007	660.77	14.54	646.23	-	-	646.23
	10/16/2007	660.77	16.37	644.40	-	-	644.40
	01/11/2008	660.77	14.88	645.89	-	-	645.89
	07/07/2008	660.77	15.10	645.67	-	-	645.67

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
8-1M	04/04/2005	654.86	10.53	644.33	-	-	644.33
	05/16/2005	654.86	10.79	644.07	-	-	644.07
	06/13/2005	654.86	11.13	643.73	-	-	643.73
	07/11/2005	654.86	11.55	643.31	-	-	643.31
	08/22/2005	654.86	12.02	642.84	-	-	642.84
	10/17/2005	654.86	9.68	645.18	-	-	645.18
	01/09/2006	654.86	9.13	645.73	-	-	645.73
	04/03/2006	654.86	8.07	646.79	-	-	646.79
	05/31/2006	654.86	9.07	645.79	-	-	645.79
	06/12/2006	654.86	NR	-	NR	-	-
	08/02/2006	654.86	NR	-	NR	-	-
	09/06/2006	654.86	10.92	643.94	-	-	643.94
	11/01/2006	654.86	10.39	644.47	-	-	644.47
	01/09/2007	654.86	9.10	645.76	-	-	645.76
	05/07/2007	654.86	7.76	647.10	-	-	647.10
	07/24/2007	654.86	10.06	644.80	-	-	644.80
	10/16/2007	654.86	12.10	642.76	-	-	642.76
	01/11/2008	654.86	10.19	644.67	-	-	644.67
	07/07/2008	654.86	9.60	645.26	-	-	645.26
	09/18/2008	654.86	9.50	645.36	-	-	645.36
	10/23/2008	654.86	8.35	646.51	-	-	646.51
	12/31/2008	654.86	6.12	648.74	-	-	648.74
	01/28/2009	654.86	9.35	645.51	-	-	645.51
	02/25/2009	654.86	7.23	647.63	-	-	647.63
	03/27/2009	654.86	7.56	647.30	-	-	647.30
	04/29/2009	654.86	7.25	647.61	-	-	647.61
	05/20/2009	654.86	7.21	647.65	-	-	647.65
	06/25/2009	654.86	7.11	647.75	-	-	647.75
	07/21/2009	654.86	7.92	646.94	-	-	646.94
	08/25/2009	654.86	8.52	646.34	-	-	646.34
	09/16/2009	654.86	9.45	645.41	-	-	645.41
	10/14/2009	654.86	10.46	644.40	-	-	644.40
	11/10/2009	654.86	10.83	644.03	-	-	644.03
	12/14/2009	654.86	10.66	644.20	-	-	644.20
	01/11/2010	654.86	10.73	644.13	-	-	644.13
	02/10/2010	654.86	11.46	643.40	-	-	643.40
	03/10/2010	654.86	12.24	642.62	-	-	642.62
	04/14/2010	654.86	11.71	643.15	-	-	643.15
	05/12/2010	654.86	12.37	642.49	-	-	642.49
	06/17/2010	654.86	12.74	642.12	-	-	642.12
	07/14/2010	654.86	13.07	641.79	-	-	641.79
	08/09/2010	654.86	12.48	642.38	-	-	642.38
	09/16/2010	654.86	12.57	642.29	-	-	642.29
	10/13/2010	654.86	10.98	643.88	-	-	643.88
	11/16/2010	654.86	11.31	643.55	-	-	643.55
	12/16/2010	654.86	10.54	644.32	-	-	644.32
	01/13/2011	654.86	10.89	643.97	-	-	643.97
	03/14/2011	654.86	10.15	644.71	-	-	644.71
	04/12/2011	654.86	10.47	644.39	-	-	644.39



**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
8-2M	04/04/2005	655.33	10.08	645.25	-	-	645.25
	05/16/2005	655.33	10.39	644.94	-	-	644.94
	06/13/2005	655.33	10.70	644.63	-	-	644.63
	07/11/2005	655.33	11.08	644.25	-	-	644.25
	08/22/2005	655.33	11.67	643.66	-	-	643.66
	10/17/2005	655.33	9.25	646.08	-	-	646.08
	01/09/2006	655.33	8.75	646.58	-	-	646.58
	04/03/2006	655.33	7.59	647.74	-	-	647.74
	05/31/2006	655.33	8.70	646.63	-	-	646.63
	06/12/2006	655.33	NR	-	NR	-	-
	08/02/2006	655.33	NR	-	NR	-	-
	09/06/2006	655.33	10.51	644.82	-	-	644.82
	11/01/2006	655.33	9.80	645.53	-	-	645.53
	01/09/2007	655.33	8.58	646.75	-	-	646.75
	05/07/2007	655.33	7.28	648.05	-	-	648.05
	07/24/2007	655.33	9.90	645.43	-	-	645.43
	10/16/2007	655.33	11.67	643.66	-	-	643.66
	01/11/2008	655.33	9.67	645.66	-	-	645.66
	07/07/2008	655.33	9.50	645.83	-	-	645.83
	09/18/2008	655.33	9.15	646.18	-	-	646.18
	10/23/2008	655.33	9.10	646.23	-	-	646.23
	12/31/2008	655.33	6.05	649.28	-	-	649.28
	01/28/2009	655.33	7.05	648.28	-	-	648.28
	02/25/2009	655.33	7.01	648.32	-	-	648.32
	03/27/2009	655.33	7.14	648.19	-	-	648.19
	04/29/2009	655.33	6.86	648.47	-	-	648.47
	05/20/2009	655.33	6.72	648.61	-	-	648.61
	06/25/2009	655.33	6.76	648.57	-	-	648.57
	07/21/2009	655.33	7.54	647.79	-	-	647.79
	08/25/2009	655.33	8.12	647.21	-	-	647.21
	09/16/2009	655.33	9.23	646.10	-	-	646.10
	10/14/2009	655.33	10.01	645.32	9.91	0.10	645.42
	11/10/2009	655.33	10.52	644.81	-	-	644.81
	12/14/2009	655.33	10.68	644.65	-	-	644.65
	01/11/2010	655.33	10.74	644.59	-	-	644.59
	02/10/2010	655.33	11.08	644.25	-	-	644.25
	03/10/2010	655.33	11.64	643.69	-	-	643.69
	04/14/2010	655.33	10.94	644.39	-	-	644.39
	05/12/2010	655.33	11.59	643.74	-	-	643.74
	06/17/2010	655.33	12.01	643.32	-	-	643.32
	07/14/2010	655.33	17.68	637.65	-	-	637.65
	08/09/2010	655.33	12.17	643.16	-	-	643.16
	09/16/2010	655.33	13.25	642.08	-	-	642.08
	10/13/2010	655.33	10.61	644.72	-	-	644.72
	11/16/2010	655.33	11.03	644.30	-	-	644.30
	12/16/2010	655.33	10.17	645.16	-	-	645.16
	01/13/2011	655.33	10.69	644.64	-	-	644.64
	03/14/2011	655.33	9.91	645.42	-	-	645.42
	04/12/2011	655.33	10.31	645.02	-	-	645.02

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
8-3M	04/04/2005	655.55	10.77	644.78	-	-	644.78
	05/16/2005	655.55	11.20	644.35	-	-	644.35
	06/13/2005	655.55	11.42	644.13	-	-	644.13
	07/11/2005	655.55	11.82	643.73	-	-	643.73
	08/22/2005	655.55	12.34	643.21	-	-	643.21
	10/17/2005	655.55	9.80	645.75	-	-	645.75
	01/09/2006	655.55	9.34	646.21	-	-	646.21
	04/03/2006	655.55	8.28	647.27	-	-	647.27
	05/31/2006	655.55	9.30	646.25	-	-	646.25
	06/12/2006	655.55	NR	-	NR	-	-
	08/02/2006	655.55	NR	-	NR	-	-
	09/06/2006	655.55	11.05	644.50	-	-	644.50
	11/01/2006	655.55	10.52	645.03	-	-	645.03
	01/09/2007	655.55	9.26	646.29	-	-	646.29
	05/07/2007	655.55	7.96	647.59	-	-	647.59
	07/24/2007	655.55	10.48	645.07	-	-	645.07
	10/16/2007	655.55	12.27	643.28	-	-	643.28
	01/11/2008	655.55	10.37	645.18	-	-	645.18
07/07/2008	655.55	10.25	645.30	-	-	645.30	
8-4M	04/04/2005	656.56	10.78	645.78	-	-	645.78
	05/16/2005	656.56	11.17	645.39	-	-	645.39
	06/13/2005	656.56	11.47	645.09	-	-	645.09
	07/11/2005	656.56	11.87	644.69	-	-	644.69
	08/22/2005	656.56	12.52	644.04	-	-	644.04
	10/17/2005	656.56	9.90	646.66	-	-	646.66
	01/09/2006	656.56	9.46	647.10	-	-	647.10
	04/03/2006	656.56	8.32	648.24	-	-	648.24
	05/31/2006	656.56	9.41	647.15	-	-	647.15
	06/12/2006	656.56	NR	-	NR	-	-
	08/02/2006	656.56	NR	-	NR	-	-
	09/06/2006	656.56	11.16	645.40	-	-	645.40
	11/01/2006	656.56	10.42	646.14	-	-	646.14
	01/09/2007	656.56	9.13	647.43	-	-	647.43
	05/07/2007	656.56	7.77	648.79	7.71	0.06	648.84
	07/24/2007	656.56	10.93	645.63	-	-	645.63
	10/16/2007	656.56	12.38	644.18	-	-	644.18
	01/11/2008	656.56	10.39	646.17	-	-	646.17
07/07/2008	656.56	10.40	646.16	-	-	646.16	
8-5M	04/04/2005	656.32	11.03	645.29	-	-	645.29
	05/16/2005	656.32	11.49	644.83	-	-	644.83
	06/13/2005	656.32	11.68	644.64	-	-	644.64
	07/11/2005	656.32	12.05	644.27	-	-	644.27
	08/22/2005	656.32	12.65	643.67	-	-	643.67
	10/17/2005	656.32	10.03	646.29	-	-	646.29
	01/09/2006	656.32	9.60	646.72	-	-	646.72
	04/03/2006	656.32	8.53	647.79	-	-	647.79
	05/31/2006	656.32	9.54	646.78	-	-	646.78
	06/12/2006	656.32	NR	-	NR	-	-

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/02/2006	656.32	NR	-	NR	-	-
	09/06/2006	656.32	11.21	645.11	-	-	645.11
	11/01/2006	656.32	10.69	645.63	-	-	645.63
	01/09/2007	656.32	9.50	646.82	-	-	646.82
	05/07/2007	656.32	8.19	648.13	-	-	648.13
	07/24/2007	656.32	10.90	645.42	-	-	645.42
	10/16/2007	656.32	12.49	643.83	-	-	643.83
	01/11/2008	656.32	10.61	645.71	-	-	645.71
	07/07/2008	656.32	11.10	645.22	-	-	645.22
8-6M	04/04/2005	658.69	12.66	646.03	-	-	646.03
	05/16/2005	658.69	13.10	645.59	-	-	645.59
	06/13/2005	658.69	13.30	645.39	-	-	645.39
	07/11/2005	658.69	13.62	645.07	-	-	645.07
	08/22/2005	658.69	14.26	644.43	-	-	644.43
	10/17/2005	658.69	11.69	647.00	-	-	647.00
	01/09/2006	658.69	11.18	647.51	-	-	647.51
	04/03/2006	658.69	10.07	648.62	-	-	648.62
	05/31/2006	658.69	11.15	647.54	-	-	647.54
	06/12/2006	658.69	NR	-	NR	-	-
	08/02/2006	658.69	NR	-	NR	-	-
	09/06/2006	658.69	12.84	645.85	-	-	645.85
	11/01/2006	658.69	12.25	646.44	-	-	646.44
	01/09/2007	658.69	11.09	647.60	-	-	647.60
	05/07/2007	658.69	9.81	648.88	-	-	648.88
	07/24/2007	658.69	12.59	646.10	-	-	646.10
	10/16/2007	658.69	14.11	644.58	-	-	644.58
	01/11/2008	658.69	12.27	646.42	-	-	646.42
	07/07/2008	658.69	12.50	646.19	-	-	646.19
8-7M	04/04/2005	659.02	13.46	645.56	-	-	645.56
	05/16/2005	659.02	13.83	645.19	-	-	645.19
	06/13/2005	659.02	14.03	644.99	-	-	644.99
	07/11/2005	659.02	14.36	644.66	-	-	644.66
	08/22/2005	659.02	15.03	643.99	-	-	643.99
	10/17/2005	659.02	12.44	646.58	-	-	646.58
	01/09/2006	659.02	11.93	647.09	-	-	647.09
	04/03/2006	659.02	10.87	648.15	-	-	648.15
	05/31/2006	659.02	11.83	647.19	-	-	647.19
	06/12/2006	659.02	NR	-	NR	-	-
	08/02/2006	659.02	NR	-	NR	-	-
	09/06/2006	659.02	13.45	645.57	-	-	645.57
	11/01/2006	659.02	12.99	646.03	-	-	646.03
	01/09/2007	659.02	11.81	647.21	-	-	647.21
	05/07/2007	659.02	10.48	648.54	-	-	648.54
	07/24/2007	659.02	13.28	645.74	-	-	645.74
	10/16/2007	659.02	14.84	644.18	-	-	644.18
	01/11/2008	659.02	12.96	646.06	-	-	646.06
	07/07/2008	659.02	13.85	645.17	-	-	645.17

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
8-8M	04/04/2005	659.46	13.37	646.09	-	-	646.09
	05/16/2005	659.46	13.55	645.91	-	-	645.91
	06/13/2005	659.46	13.86	645.60	-	-	645.60
	07/11/2005	659.46	14.09	645.37	-	-	645.37
	08/22/2005	659.46	14.55	644.91	-	-	644.91
	10/17/2005	659.46	12.43	647.03	-	-	647.03
	01/09/2006	659.46	11.84	647.62	-	-	647.62
	04/03/2006	659.46	10.80	648.66	-	-	648.66
	05/31/2006	659.46	11.69	647.77	-	-	647.77
	06/12/2006	659.46	NR	-	NR	-	-
	08/02/2006	659.46	NR	-	NR	-	-
	09/06/2006	659.46	13.26	646.20	-	-	646.20
	11/01/2006	659.46	12.93	646.53	-	-	646.53
	01/09/2007	659.46	11.70	647.76	-	-	647.76
	05/07/2007	659.46	10.43	649.03	-	-	649.03
	07/24/2007	659.46	12.62	646.84	-	-	646.84
	10/16/2007	659.46	14.53	644.93	-	-	644.93
	01/11/2008	659.46	12.95	646.51	-	-	646.51
	07/07/2008	659.46	12.45	647.01	-	-	647.01
	09/18/2008	659.46	12.00	647.46	-	-	647.46
	10/23/2008	659.46	11.60	647.86	-	-	647.86
	12/31/2008	659.46	9.12	650.34	-	-	650.34
	01/28/2009	659.46	9.80	649.66	-	-	649.66
	02/25/2009	659.46	9.82	649.64	-	-	649.64
	03/27/2009	659.46	10.20	649.26	-	-	649.26
	04/29/2009	659.46	9.81	649.65	-	-	649.65
	05/20/2009	659.46	9.86	649.60	-	-	649.60
	06/25/2009	659.46	9.62	649.84	-	-	649.84
	07/21/2009	659.46	10.36	649.10	-	-	649.10
	08/25/2009	659.46	10.86	648.60	-	-	648.60
	09/16/2009	659.46	11.78	647.68	-	-	647.68
	10/14/2009	659.46	12.68	646.78	-	-	646.78
	11/10/2009	659.46	13.07	646.39	-	-	646.39
	12/14/2009	659.46	12.58	646.88	-	-	646.88
	01/11/2010	659.46	12.76	646.70	-	-	646.70
	02/10/2010	659.46	14.68	644.78	-	-	644.78
	03/10/2010	659.46	13.98	645.48	-	-	645.48
	04/14/2010	659.46	12.99	646.47	-	-	646.47
	05/12/2010	659.46	14.63	644.83	-	-	644.83
	06/17/2010	659.46	14.42	645.04	-	-	645.04
	07/14/2010	659.46	15.03	644.43	-	-	644.43
	08/09/2010	659.46	14.79	644.67	-	-	644.67
	09/16/2010	659.46	14.78	644.68	-	-	644.68
	10/13/2010	659.46	13.19	646.27	-	-	646.27
	11/16/2010	659.46	11.96	647.50	-	-	647.50
	12/16/2010	659.46	12.74	646.72	-	-	646.72
	01/13/2011	659.46	13.15	646.31	-	-	646.31
	03/14/2011	659.46	12.14	647.32	-	-	647.32
	04/12/2011	659.46	12.88	646.58	-	-	646.58

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
9-1M	04/04/2005	656.72	10.50	646.22	-	-	646.22
	05/16/2005	656.72	10.70	646.02	-	-	646.02
	06/13/2005	656.72	11.16	645.56	-	-	645.56
	07/11/2005	656.72	11.60	645.12	11.56	0.04	645.15
	08/22/2005	656.72	12.50	644.22	12.17	0.33	644.47
	10/17/2005	656.72	9.25	647.47	-	-	647.47
	01/09/2006	656.72	9.12	647.60	-	-	647.60
	04/03/2006	656.72	8.12	648.60	-	-	648.60
	05/31/2006	656.72	9.18	647.54	-	-	647.54
	06/12/2006	656.72	NR	-	NR	-	-
	08/02/2006	656.72	NR	-	NR	-	-
	09/06/2006	656.72	11.06	645.66	-	-	645.66
	11/01/2006	656.72	10.15	646.57	-	-	646.57
	01/09/2007	656.72	9.10	647.62	-	-	647.62
	05/07/2007	656.72	7.78	648.94	-	-	648.94
	07/24/2007	656.72	10.25	646.47	-	-	646.47
	10/16/2007	656.72	12.35	644.37	12.22	0.13	644.47
	01/11/2008	656.72	9.94	646.78	-	-	646.78
07/07/2008	656.72	9.65	647.07	-	-	647.07	
9-2M	04/04/2005	655.60	7.93	647.67	-	-	647.67
	05/16/2005	655.60	8.41	647.19	-	-	647.19
	06/13/2005	655.60	8.93	646.67	-	-	646.67
	07/11/2005	655.60	9.06	646.54	-	-	646.54
	08/22/2005	655.60	9.88	645.72	-	-	645.72
	10/17/2005	655.60	7.28	648.32	-	-	648.32
	01/09/2006	655.60	7.22	648.38	-	-	648.38
	04/03/2006	655.60	6.30	649.30	-	-	649.30
	05/31/2006	655.60	7.19	648.41	-	-	648.41
	06/12/2006	655.60	NR	-	NR	-	-
	08/02/2006	655.60	NR	-	NR	-	-
	09/06/2006	655.60	9.08	646.52	-	-	646.52
	11/01/2006	655.60	8.13	647.47	-	-	647.47
	01/09/2007	655.60	7.23	648.37	-	-	648.37
	05/07/2007	655.60	5.94	649.66	-	-	649.66
	07/24/2007	655.60	7.88	647.72	-	-	647.72
	10/16/2007	655.60	9.95	645.65	-	-	645.65
	01/11/2008	655.60	7.74	647.86	-	-	647.86
	07/07/2008	655.60	7.30	648.30	-	-	648.30
	09/18/2008	655.60	7.85	647.75	-	-	647.75
	10/23/2008	655.60	8.15	647.45	-	-	647.45
	12/31/2008	655.60	4.66	650.94	-	-	650.94
	01/28/2009	655.60	5.72	649.88	-	-	649.88
	02/25/2009	655.60	6.64	648.96	-	-	648.96
03/27/2009	655.60	5.60	650.00	-	-	650.00	
04/29/2009	655.60	5.41	650.19	-	-	650.19	
05/20/2009	655.60	5.18	650.42	-	-	650.42	
06/25/2009	655.60	9.47	646.13	-	-	646.13	
07/21/2009	655.60	6.08	649.52	-	-	649.52	
08/25/2009	655.60	6.58	649.02	-	-	649.02	

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/16/2009	655.60	8.15	647.45	-	-	647.45
	10/14/2009	655.60	9.21	646.39	-	-	646.39
	11/10/2009	655.60	4.38	651.22	-	-	651.22
	12/14/2009	655.60	8.89	646.71	-	-	646.71
	01/11/2010	655.60	9.23	646.37	-	-	646.37
	02/10/2010	655.60	9.07	646.53	-	-	646.53
	03/10/2010	655.60	9.41	646.19	-	-	646.19
	04/14/2010	655.60	9.48	646.12	-	-	646.12
	05/12/2010	655.60	10.74	644.86	-	-	644.86
	06/17/2010	655.60	10.99	644.61	-	-	644.61
	07/14/2010	655.60	11.07	644.53	-	-	644.53
	08/09/2010	655.60	10.55	645.05	-	-	645.05
	09/16/2010	655.60	10.99	644.61	-	-	644.61
	10/13/2010	655.60	8.84	646.76	-	-	646.76
	11/16/2010	655.60	10.98	644.62	-	-	644.62
	12/16/2010	655.60	8.91	646.69	-	-	646.69
	01/13/2011	655.60	9.62	645.98	-	-	645.98
	03/14/2011	655.60	8.33	647.27	-	-	647.27
	04/12/2011	655.60	9.23	646.37	-	-	646.37
9-3M	04/04/2005	656.50	9.39	647.11	-	-	647.11
	05/16/2005	656.50	10.26	646.24	-	-	646.24
	06/13/2005	656.50	10.67	645.83	-	-	645.83
	07/11/2005	656.50	10.97	645.53	-	-	645.53
	08/22/2005	656.50	11.64	644.86	11.60	0.04	644.89
	10/17/2005	656.50	8.31	648.19	-	-	648.19
	01/09/2006	656.50	8.49	648.01	-	-	648.01
	04/03/2006	656.50	7.44	649.06	-	-	649.06
	05/31/2006	656.50	8.63	647.87	-	-	647.87
	06/12/2006	656.50	NR	-	NR	-	-
	08/02/2006	656.50	NR	-	NR	-	-
	09/06/2006	656.50	10.41	646.09	-	-	646.09
	11/01/2006	656.50	9.47	647.03	-	-	647.03
	01/09/2007	656.50	8.31	648.19	-	-	648.19
	05/07/2007	656.50	7.12	649.38	-	-	649.38
	07/24/2007	656.50	9.84	646.66	-	-	646.66
	10/16/2007	656.50	11.59	644.91	-	-	644.91
	01/11/2008	656.50	9.37	647.13	-	-	647.13
	07/07/2008	656.50	9.35	647.15	-	-	647.15
10-1S	04/04/2005	656.86	8.50	648.36	-	-	648.36
	05/16/2005	656.86	9.05	647.81	-	-	647.81
	06/13/2005	656.86	9.07	647.79	-	-	647.79
	07/11/2005	656.86	9.55	647.31	-	-	647.31
	08/22/2005	656.86	10.55	646.31	-	-	646.31
	10/17/2005	656.86	8.36	648.50	-	-	648.50
	01/09/2006	656.86	7.95	648.91	-	-	648.91
	04/03/2006	656.86	6.97	649.89	-	-	649.89
	05/31/2006	656.86	7.91	648.95	-	-	648.95
	06/12/2006	656.86	NR	-	NR	-	-

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/02/2006	656.86	NR	-	NR	-	-
	09/06/2006	656.86	9.65	647.21	-	-	647.21
	11/01/2006	656.86	8.69	648.17	-	-	648.17
	01/09/2007	656.86	7.64	649.22	-	-	649.22
	05/07/2007	656.86	6.68	650.18	-	-	650.18
	07/24/2007	656.86	8.41	648.45	-	-	648.45
	10/16/2007	656.86	10.60	646.26	-	-	646.26
	01/11/2008	656.86	8.56	648.30	-	-	648.30
10-2S	04/04/2005	657.78	9.75	648.03	-	-	648.03
	05/16/2005	657.78	10.34	647.44	-	-	647.44
	06/13/2005	657.78	10.92	646.86	-	-	646.86
	07/11/2005	657.78	10.66	647.12	-	-	647.12
	08/22/2005	657.78	11.66	646.12	-	-	646.12
	10/17/2005	657.78	9.25	648.53	-	-	648.53
	01/09/2006	657.78	8.96	648.82	-	-	648.82
	04/03/2006	657.78	8.10	649.68	-	-	649.68
	05/31/2006	657.78	8.96	648.82	-	-	648.82
	06/12/2006	657.78	NR	-	NR	-	-
	08/02/2006	657.78	NR	-	NR	-	-
	09/06/2006	657.78	10.68	647.10	-	-	647.10
	11/01/2006	657.78	9.78	648.00	-	-	648.00
	01/09/2007	657.78	8.89	648.89	-	-	648.89
	05/07/2007	657.78	7.68	650.10	-	-	650.10
	07/24/2007	657.78	9.63	648.15	-	-	648.15
	10/16/2007	657.78	11.84	645.94	-	-	645.94
	01/11/2008	657.78	9.75	648.03	-	-	648.03
	09/18/2008	657.78	9.22	648.56	-	-	648.56
	10/23/2008	657.78	9.80	647.98	-	-	647.98
	12/31/2008	657.78	6.46	651.32	-	-	651.32
	01/28/2009	657.78	NR	-	NR	-	-
	02/25/2009	657.78	6.32	651.46	-	-	651.46
	03/27/2009	657.78	7.29	650.49	-	-	650.49
	04/29/2009	657.78	6.88	650.90	-	-	650.90
	05/20/2009	657.78	6.25	651.53	-	-	651.53
	06/25/2009	657.78	6.97	650.81	-	-	650.81
	07/21/2009	657.78	7.53	650.25	-	-	650.25
	08/25/2009	657.78	7.62	650.16	-	-	650.16
	09/16/2009	657.78	16.96	640.82	-	-	640.82
	10/14/2009	657.78	10.61	647.17	-	-	647.17
	11/10/2009	657.78	10.93	646.85	-	-	646.85
	12/14/2009	657.78	11.31	646.47	-	-	646.47
	01/11/2010	657.78	11.72	646.06	-	-	646.06
	02/10/2010	657.78	11.74	646.04	-	-	646.04
	03/10/2010	657.78	11.99	645.79	-	-	645.79
	04/14/2010	657.78	11.91	645.87	-	-	645.87
	05/12/2010	657.78	12.25	645.53	-	-	645.53
	06/17/2010	657.78	12.54	645.24	-	-	645.24
	07/14/2010	657.78	12.73	645.05	-	-	645.05
	08/09/2010	657.78	12.39	645.39	-	-	645.39

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/16/2010	657.78	12.63	645.15	-	-	645.15
	10/13/2010	657.78	10.59	647.19	-	-	647.19
	11/16/2010	657.78	10.89	646.89	-	-	646.89
	12/16/2010	657.78	NR	-	NR	-	-
	01/13/2011	657.78	NR	-	NR	-	-
	03/14/2011	657.78	10.12	647.66	-	-	647.66
	04/12/2011	657.78	10.81	646.97	-	-	646.97
10-3S	04/04/2005	658.69	10.35	648.34	-	-	648.34
	05/16/2005	658.69	11.10	647.59	-	-	647.59
	06/13/2005	658.69	11.74	646.95	-	-	646.95
	07/11/2005	658.69	11.38	647.31	-	-	647.31
	08/22/2005	658.69	12.53	646.16	-	-	646.16
	10/17/2005	658.69	10.08	648.61	-	-	648.61
	01/09/2006	658.69	9.77	648.92	-	-	648.92
	04/03/2006	658.69	8.99	649.70	-	-	649.70
	05/31/2006	658.69	9.79	648.90	-	-	648.90
	06/12/2006	658.69	NR	-	NR	-	-
	08/02/2006	658.69	NR	-	NR	-	-
	09/06/2006	658.69	11.41	647.28	-	-	647.28
	11/01/2006	658.69	10.55	648.14	-	-	648.14
	01/09/2007	658.69	9.73	648.96	-	-	648.96
	05/07/2007	658.69	8.51	650.18	-	-	650.18
	07/24/2007	658.69	10.44	648.25	-	-	648.25
	10/16/2007	658.69	12.67	646.02	-	-	646.02
	01/11/2008	658.69	10.41	648.28	-	-	648.28
10-4S	04/04/2005	659.65	11.24	648.41	-	-	648.41
	05/16/2005	659.65	11.87	647.78	-	-	647.78
	06/13/2005	659.65	12.61	647.04	-	-	647.04
	07/11/2005	659.65	12.30	647.35	-	-	647.35
	08/22/2005	659.65	12.74	646.91	-	-	646.91
	10/17/2005	659.65	11.38	648.27	-	-	648.27
	01/09/2006	659.65	11.00	648.65	-	-	648.65
	04/03/2006	659.65	NR	-	NR	-	-
	05/31/2006	659.65	10.94	648.71	-	-	648.71
	06/12/2006	659.65	NR	-	NR	-	-
	08/02/2006	659.65	NR	-	NR	-	-
	09/06/2006	659.65	12.21	647.44	-	-	647.44
	11/01/2006	659.65	11.75	647.90	-	-	647.90
	01/09/2007	659.65	10.68	648.97	-	-	648.97
	05/07/2007	659.65	9.75	649.90	-	-	649.90
	07/24/2007	659.65	11.57	648.08	-	-	648.08
	10/16/2007	659.65	13.25	646.40	-	-	646.40
	01/11/2008	659.65	NR	-	NR	-	-
10-5S	04/04/2005	661.74	15.04	646.70	-	-	646.70
	05/16/2005	661.74	15.18	646.56	-	-	646.56
	06/13/2005	661.74	15.59	646.15	-	-	646.15
	07/11/2005	661.74	15.66	646.08	-	-	646.08
	08/22/2005	661.74	16.26	645.48	-	-	645.48



**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	10/17/2005	661.74	14.44	647.30	-	-	647.30
	01/09/2006	661.74	13.68	648.06	-	-	648.06
	04/03/2006	661.74	12.72	649.02	-	-	649.02
	05/31/2006	661.74	13.58	648.16	-	-	648.16
	06/12/2006	661.74	NR	-	NR	-	-
	08/02/2006	661.74	NR	-	NR	-	-
	09/06/2006	661.74	15.09	646.65	-	-	646.65
	11/01/2006	661.74	14.73	647.01	-	-	647.01
	01/09/2007	661.74	13.62	648.12	-	-	648.12
	05/07/2007	661.74	12.36	649.38	-	-	649.38
	07/24/2007	661.74	14.30	647.44	-	-	647.44
	10/16/2007	661.74	16.23	645.51	-	-	645.51
	01/11/2008	661.74	15.01	646.73	-	-	646.73
10-6S	04/04/2005	662.91	16.28	646.63	-	-	646.63
	05/16/2005	662.91	16.38	646.53	-	-	646.53
	06/13/2005	662.91	16.78	646.13	-	-	646.13
	07/11/2005	662.91	16.85	646.06	-	-	646.06
	08/22/2005	662.91	17.33	645.58	-	-	645.58
	10/17/2005	662.91	15.68	647.23	-	-	647.23
	01/09/2006	662.91	14.89	648.02	-	-	648.02
	04/03/2006	662.91	13.96	648.95	-	-	648.95
	05/31/2006	662.91	14.83	648.08	-	-	648.08
	06/12/2006	662.91	NR	-	NR	-	-
	08/02/2006	662.91	NR	-	NR	-	-
	09/06/2006	662.91	16.28	646.63	-	-	646.63
	11/01/2006	662.91	15.98	646.93	-	-	646.93
	01/09/2007	662.91	14.86	648.05	-	-	648.05
	05/07/2007	662.91	13.66	649.25	-	-	649.25
	07/24/2007	662.91	15.48	647.43	-	-	647.43
	10/16/2007	662.91	17.25	645.66	-	-	645.66
	01/11/2008	662.91	16.28	646.63	-	-	646.63
	09/18/2008	662.91	15.18	647.73	-	-	647.73
	10/23/2008	662.91	15.50	647.41	-	-	647.41
	12/31/2008	662.91	12.45	650.46	-	-	650.46
	01/28/2009	662.91	13.15	649.76	-	-	649.76
	02/25/2009	662.91	13.00	649.91	-	-	649.91
	03/27/2009	662.91	13.32	649.59	-	-	649.59
	04/29/2009	662.91	13.03	649.88	-	-	649.88
	05/20/2009	662.91	13.04	649.87	-	-	649.87
	06/25/2009	662.91	12.69	650.22	-	-	650.22
	07/21/2009	662.91	13.38	649.53	-	-	649.53
	08/25/2009	662.91	13.42	649.49	-	-	649.49
	09/16/2009	662.91	15.16	647.75	-	-	647.75
	10/14/2009	662.91	15.49	647.42	-	-	647.42
	11/10/2009	662.91	15.09	647.82	-	-	647.82
	12/14/2009	662.91	16.32	646.59	-	-	646.59
	01/11/2010	662.91	16.59	646.32	-	-	646.32
	02/10/2010	662.91	16.72	646.19	-	-	646.19
	03/10/2010	662.91	17.21	645.70	-	-	645.70

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/14/2010	662.91	16.99	645.92	-	-	645.92
	05/12/2010	662.91	17.36	645.55	-	-	645.55
	06/17/2010	662.91	17.37	645.54	-	-	645.54
	07/14/2010	662.91	17.66	645.25	-	-	645.25
	08/09/2010	662.91	17.41	645.50	-	-	645.50
	09/16/2010	662.91	17.48	645.43	-	-	645.43
	10/13/2010	662.91	16.14	646.77	-	-	646.77
	11/16/2010	662.91	11.68	651.23	-	-	651.23
	12/16/2010	662.91	15.68	647.23	-	-	647.23
	01/13/2011	662.91	16.08	646.83	-	-	646.83
	03/14/2011	662.91	15.51	647.40	-	-	647.40
	04/12/2011	662.91	15.79	647.12	-	-	647.12
11-1S	04/04/2005	657.40	9.16	648.24	-	-	648.24
	05/16/2005	657.40	9.26	648.14	-	-	648.14
	06/13/2005	657.40	9.79	647.61	-	-	647.61
	07/11/2005	657.40	9.81	647.59	-	-	647.59
	08/22/2005	657.40	10.51	646.89	-	-	646.89
	10/17/2005	657.40	NR	-	NR	-	-
	01/09/2006	657.40	NR	-	NR	-	-
	04/03/2006	657.40	NR	-	NR	-	-
	05/31/2006	657.40	8.01	649.39	-	-	649.39
	06/12/2006	657.40	NR	-	NR	-	-
	08/02/2006	657.40	NR	-	NR	-	-
	09/06/2006	657.40	9.76	647.64	-	-	647.64
	11/01/2006	657.40	NR	-	NR	-	-
	01/09/2007	657.40	NR	-	NR	-	-
	05/07/2007	657.40	6.79	650.61	-	-	650.61
	07/24/2007	657.40	8.51	648.89	-	-	648.89
	10/16/2007	657.40	NR	-	NR	-	-
	01/11/2008	657.40	NR	-	NR	-	-
11-2S	04/04/2005	658.40	10.12	648.28	-	-	648.28
	05/16/2005	658.40	10.24	648.16	-	-	648.16
	06/13/2005	658.40	10.73	647.67	-	-	647.67
	07/11/2005	658.40	10.70	647.70	-	-	647.70
	08/22/2005	658.40	11.33	647.07	-	-	647.07
	10/17/2005	658.40	NR	-	NR	-	-
	01/09/2006	658.40	NR	-	NR	-	-
	04/03/2006	658.40	8.17	650.23	-	-	650.23
	05/31/2006	658.40	8.93	649.47	-	-	649.47
	06/12/2006	658.40	NR	-	NR	-	-
	08/02/2006	658.40	NR	-	NR	-	-
	09/06/2006	658.40	10.59	647.81	-	-	647.81
	11/01/2006	658.40	9.72	648.68	-	-	648.68
	01/09/2007	658.40	NR	-	NR	-	-
	05/07/2007	658.40	7.72	650.68	-	-	650.68
	07/24/2007	658.40	9.37	649.03	-	-	649.03
	10/16/2007	658.40	11.21	647.19	-	-	647.19
	01/11/2008	658.40	NR	-	NR	-	-

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
11-3S	04/04/2005	659.30	NR	-	NR	-	-
	05/16/2005	659.30	11.32	647.98	-	-	647.98
	06/13/2005	659.30	11.83	647.47	-	-	647.47
	07/11/2005	659.30	11.90	647.40	-	-	647.40
	08/22/2005	659.30	12.46	646.84	-	-	646.84
	10/17/2005	659.30	NR	-	NR	-	-
	01/09/2006	659.30	NR	-	NR	-	-
	04/03/2006	659.30	NR	-	NR	-	-
	05/31/2006	659.30	9.73	649.57	-	-	649.57
	06/12/2006	659.30	NR	-	NR	-	-
	08/02/2006	659.30	NR	-	NR	-	-
	09/06/2006	659.30	11.47	647.83	-	-	647.83
	11/01/2006	659.30	10.86	648.44	-	-	648.44
	01/09/2007	659.30	NR	-	NR	-	-
	05/07/2007	659.30	8.43	650.87	-	-	650.87
	07/24/2007	659.30	NR	-	NR	-	-
10/16/2007	659.30	NR	-	NR	-	-	
01/11/2008	659.30	NR	-	NR	-	-	
11-4S	04/04/2005	660.38	12.63	647.75	-	-	647.75
	05/16/2005	660.38	12.61	647.77	-	-	647.77
	06/13/2005	660.38	13.04	647.34	-	-	647.34
	07/11/2005	660.38	13.12	647.26	-	-	647.26
	08/22/2005	660.38	13.60	646.78	-	-	646.78
	10/17/2005	660.38	NR	-	NR	-	-
	01/09/2006	660.38	NR	-	NR	-	-
	04/03/2006	660.38	10.15	650.23	-	-	650.23
	05/31/2006	660.38	11.10	649.28	-	-	649.28
	06/12/2006	660.38	NR	-	NR	-	-
	08/02/2006	660.38	NR	-	NR	-	-
	09/06/2006	660.38	12.65	647.73	-	-	647.73
	11/01/2006	660.38	12.20	648.18	-	-	648.18
	01/09/2007	660.38	NR	-	NR	-	-
	05/07/2007	660.38	9.89	650.49	-	-	650.49
	07/24/2007	660.38	11.60	648.78	-	-	648.78
10/16/2007	660.38	13.68	646.70	-	-	646.70	
01/11/2008	660.38	NR	-	NR	-	-	
12-1M	04/04/2005	661.90	20.93	640.97	-	-	640.97
	05/16/2005	661.90	20.73	641.17	-	-	641.17
	06/13/2005	661.90	21.06	640.84	-	-	640.84
	07/11/2005	661.90	21.45	640.45	-	-	640.45
	08/22/2005	661.90	21.92	639.98	-	-	639.98
	10/17/2005	661.90	20.80	641.10	-	-	641.10
	01/09/2006	661.90	18.56	643.34	-	-	643.34
	04/03/2006	661.90	18.61	643.29	-	-	643.29
	05/31/2006	661.90	19.60	642.30	-	-	642.30
	06/12/2006	661.90	NR	-	NR	-	-
	08/02/2006	661.90	20.58	641.32	-	-	641.32
	09/06/2006	661.90	21.15	640.75	-	-	640.75
	11/01/2006	661.90	21.28	640.62	-	-	640.62

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	01/09/2007	661.90	19.80	642.10	-	-	642.10
	05/07/2007	661.90	18.68	643.22	-	-	643.22
	07/24/2007	661.90	20.17	641.73	-	-	641.73
	10/16/2007	661.90	21.89	640.01	-	-	640.01
	01/11/2008	661.90	21.44	640.46	-	-	640.46
	06/30/2008	661.90	20.00	641.90	-	-	641.90
12-2M	04/04/2005	661.87	20.38	641.49	-	-	641.49
	05/16/2005	661.87	20.16	641.71	-	-	641.71
	06/13/2005	661.87	20.50	641.37	-	-	641.37
	07/11/2005	661.87	20.86	641.01	-	-	641.01
	08/22/2005	661.87	21.33	640.54	-	-	640.54
	10/17/2005	661.87	20.17	641.70	-	-	641.70
	01/09/2006	661.87	18.92	642.95	-	-	642.95
	04/03/2006	661.87	17.74	644.13	-	-	644.13
	05/31/2006	661.87	19.11	642.76	-	-	642.76
	06/12/2006	661.87	NR	-	NR	-	-
	08/02/2006	661.87	20.03	641.84	-	-	641.84
	09/06/2006	661.87	20.51	641.36	-	-	641.36
	11/01/2006	661.87	20.69	641.18	-	-	641.18
	01/09/2007	661.87	19.17	642.70	-	-	642.70
	05/07/2007	661.87	18.04	643.83	-	-	643.83
	07/24/2007	661.87	19.59	642.28	-	-	642.28
	10/16/2007	661.87	21.50	640.37	-	-	640.37
	01/11/2008	661.87	20.83	641.04	-	-	641.04
	06/30/2008	661.87	19.25	642.62	-	-	642.62
	09/18/2008	661.87	19.80	642.07	-	-	642.07
	10/23/2008	661.87	20.15	641.72	-	-	641.72
	12/31/2008	661.87	17.48	644.39	-	-	644.39
	01/28/2009	661.87	17.22	644.65	-	-	644.65
	02/25/2009	661.87	17.54	644.33	-	-	644.33
	03/27/2009	661.87	17.66	644.21	-	-	644.21
	04/29/2009	661.87	17.68	644.19	-	-	644.19
	05/20/2009	661.87	17.82	644.05	-	-	644.05
	06/25/2009	661.87	17.13	644.74	-	-	644.74
	07/21/2009	661.87	17.96	643.91	-	-	643.91
	08/25/2009	661.87	18.61	643.26	-	-	643.26
	09/16/2009	661.87	15.02	646.85	-	-	646.85
	10/14/2009	661.87	19.59	642.28	-	-	642.28
	11/10/2009	661.87	19.91	641.96	-	-	641.96
	12/14/2009	661.87	20.24	641.63	-	-	641.63
	01/11/2010	661.87	20.33	641.54	-	-	641.54
	02/10/2010	661.87	20.22	641.65	-	-	641.65
	03/10/2010	661.87	20.89	640.98	-	-	640.98
	04/14/2010	661.87	20.64	641.23	-	-	641.23
	05/12/2010	661.87	21.06	640.81	-	-	640.81
	06/17/2010	661.87	21.56	640.31	-	-	640.31
	07/14/2010	661.87	21.82	640.05	-	-	640.05
	08/09/2010	661.87	21.69	640.18	-	-	640.18
	09/16/2010	661.87	21.61	640.26	-	-	640.26
	10/13/2010	661.87	20.46	641.41	-	-	641.41

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	11/16/2010	661.87	20.17	641.70	-	-	641.70
	12/16/2010	661.87	19.79	642.08	-	-	642.08
	01/13/2011	661.87	19.64	642.23	-	-	642.23
	03/14/2011	661.87	19.37	642.50	-	-	642.50
	04/12/2011	661.87	19.04	642.83	-	-	642.83
12-3M	04/04/2005	663.03	21.42	641.61	21.41	0.01	641.62
	05/16/2005	663.03	21.15	641.88	-	-	641.88
	06/13/2005	663.03	21.48	641.55	-	-	641.55
	07/11/2005	663.03	21.82	641.21	-	-	641.21
	08/22/2005	663.03	22.31	640.72	-	-	640.72
	10/17/2005	663.03	21.23	641.80	-	-	641.80
	01/09/2006	663.03	19.94	643.09	-	-	643.09
	04/03/2006	663.03	18.91	644.12	-	-	644.12
	05/31/2006	663.03	19.93	643.10	-	-	643.10
	06/12/2006	663.03	NR	-	NR	-	-
	08/02/2006	663.03	21.18	641.85	21.14	0.04	641.88
	09/06/2006	663.03	21.54	641.49	-	-	641.49
	11/01/2006	663.03	21.77	641.26	-	-	641.26
	01/09/2007	663.03	20.21	642.82	-	-	642.82
	05/07/2007	663.03	19.05	643.98	-	-	643.98
	07/24/2007	663.03	20.71	642.32	-	-	642.32
	10/16/2007	663.03	22.46	640.57	-	-	640.57
	01/11/2008	663.03	21.96	641.07	-	-	641.07
	06/30/2008	663.03	20.40	642.63	-	-	642.63
12-4M	04/04/2005	662.17	19.59	642.58	-	-	642.58
	05/16/2005	662.17	19.30	642.87	-	-	642.87
	06/13/2005	662.17	19.61	642.56	-	-	642.56
	07/11/2005	662.17	19.97	642.20	-	-	642.20
	08/22/2005	662.17	20.39	641.78	-	-	641.78
	10/17/2005	662.17	19.31	642.86	-	-	642.86
	01/09/2006	662.17	18.06	644.11	-	-	644.11
	04/03/2006	662.17	17.02	645.15	-	-	645.15
	05/31/2006	662.17	18.02	644.15	-	-	644.15
	06/12/2006	662.17	NR	-	NR	-	-
	08/02/2006	662.17	19.29	642.88	-	-	642.88
	09/06/2006	662.17	19.60	642.57	-	-	642.57
	11/01/2006	662.17	19.82	642.35	-	-	642.35
	01/09/2007	662.17	18.28	643.89	-	-	643.89
	05/07/2007	662.17	17.13	645.04	-	-	645.04
	07/24/2007	662.17	18.85	643.32	-	-	643.32
	10/16/2007	662.17	20.56	641.61	-	-	641.61
	01/11/2008	662.17	19.92	642.25	-	-	642.25
	06/30/2008	662.17	18.45	643.72	-	-	643.72
	09/18/2008	662.17	19.05	643.12	-	-	643.12
	10/23/2008	662.17	19.35	642.82	-	-	642.82
	12/31/2008	662.17	15.66	646.51	-	-	646.51
	01/28/2009	662.17	16.42	645.75	-	-	645.75
	02/25/2009	662.17	16.79	645.38	-	-	645.38
	03/27/2009	662.17	16.71	645.46	-	-	645.46

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/29/2009	662.17	16.94	645.23	-	-	645.23
	05/20/2009	662.17	17.08	645.09	-	-	645.09
	06/25/2009	662.17	16.51	645.66	-	-	645.66
	07/21/2009	662.17	17.16	645.01	-	-	645.01
	08/25/2009	662.17	17.80	644.37	-	-	644.37
	09/16/2009	662.17	13.85	648.32	-	-	648.32
	10/14/2009	662.17	18.68	643.49	-	-	643.49
	11/10/2009	662.17	18.98	643.19	-	-	643.19
	12/14/2009	662.17	19.43	642.74	-	-	642.74
	01/11/2010	662.17	19.54	642.63	-	-	642.63
	02/10/2010	662.17	19.43	642.74	-	-	642.74
	03/10/2010	662.17	19.86	642.31	-	-	642.31
	04/14/2010	662.17	19.72	642.45	-	-	642.45
	05/12/2010	662.17	20.02	642.15	-	-	642.15
	06/17/2010	662.17	20.61	641.56	-	-	641.56
	07/14/2010	662.17	20.91	641.26	-	-	641.26
	08/09/2010	662.17	20.76	641.41	-	-	641.41
	09/16/2010	662.17	20.58	641.59	-	-	641.59
	10/13/2010	662.17	19.39	642.78	-	-	642.78
	11/16/2010	662.17	20.31	641.86	-	-	641.86
	12/16/2010	662.17	18.92	643.25	-	-	643.25
	01/13/2011	662.17	18.54	643.63	-	-	643.63
	03/14/2011	662.17	18.51	643.66	-	-	643.66
	04/12/2011	662.17	18.18	643.99	-	-	643.99
12-5M	04/04/2005	663.37	20.97	642.40	-	-	642.40
	05/16/2005	663.37	20.68	642.69	-	-	642.69
	06/13/2005	663.37	20.98	642.39	-	-	642.39
	07/11/2005	663.37	21.32	642.05	-	-	642.05
	08/22/2005	663.37	21.77	641.60	-	-	641.60
	10/17/2005	663.37	20.70	642.67	-	-	642.67
	01/09/2006	663.37	19.41	643.96	-	-	643.96
	04/03/2006	663.37	18.34	645.03	-	-	645.03
	05/31/2006	663.37	19.37	644.00	-	-	644.00
	06/12/2006	663.37	NR	-	NR	-	-
	08/02/2006	663.37	19.88	643.49	-	-	643.49
	09/06/2006	663.37	20.99	642.38	-	-	642.38
	11/01/2006	663.37	21.30	642.07	-	-	642.07
	01/09/2007	663.37	19.69	643.68	-	-	643.68
	05/07/2007	663.37	18.53	644.84	-	-	644.84
	07/24/2007	663.37	20.52	642.85	-	-	642.85
	10/16/2007	663.37	22.14	641.23	-	-	641.23
	01/11/2008	663.37	21.41	641.96	-	-	641.96
	06/30/2008	663.37	19.85	643.52	-	-	643.52
12-6M	04/04/2005	663.72	20.16	643.56	-	-	643.56
	05/16/2005	663.72	19.86	643.86	-	-	643.86
	06/13/2005	663.72	20.17	643.55	-	-	643.55
	07/11/2005	663.72	20.50	643.22	-	-	643.22
	08/22/2005	663.72	20.89	642.83	-	-	642.83
	10/17/2005	663.72	19.85	643.87	-	-	643.87

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	01/09/2006	663.72	18.53	645.19	-	-	645.19
	04/03/2006	663.72	17.47	646.25	-	-	646.25
	05/31/2006	663.72	18.49	645.23	-	-	645.23
	06/12/2006	663.72	NR	-	NR	-	-
	08/02/2006	663.72	19.81	643.91	-	-	643.91
	09/06/2006	663.72	20.05	643.67	-	-	643.67
	11/01/2006	663.72	20.30	643.42	-	-	643.42
	01/09/2007	663.72	18.77	644.95	-	-	644.95
	05/07/2007	663.72	17.58	646.14	-	-	646.14
	07/24/2007	663.72	19.59	644.13	-	-	644.13
	10/16/2007	663.72	21.04	642.68	-	-	642.68
	01/11/2008	663.72	20.56	643.16	-	-	643.16
	06/30/2008	663.72	18.75	644.97	-	-	644.97
12-7M	04/04/2005	664.24	20.81	643.43	-	-	643.43
	05/16/2005	664.24	20.50	643.74	-	-	643.74
	06/13/2005	664.24	20.80	643.44	-	-	643.44
	07/11/2005	664.24	21.13	643.11	-	-	643.11
	08/22/2005	664.24	21.53	642.71	-	-	642.71
	10/17/2005	664.24	20.55	643.69	-	-	643.69
	01/09/2006	664.24	19.21	645.03	-	-	645.03
	04/03/2006	664.24	18.05	646.19	-	-	646.19
	05/31/2006	664.24	19.15	645.09	-	-	645.09
	06/12/2006	664.24	NR	-	NR	-	-
	08/02/2006	664.24	20.60	643.64	-	-	643.64
	09/06/2006	664.24	20.74	643.50	-	-	643.50
	11/01/2006	664.24	21.08	643.16	-	-	643.16
	01/09/2007	664.24	19.48	644.76	-	-	644.76
	05/07/2007	664.24	18.23	646.01	-	-	646.01
	07/24/2007	664.24	20.63	643.61	-	-	643.61
	10/16/2007	664.24	21.78	642.46	-	-	642.46
	01/11/2008	664.24	21.23	643.01	-	-	643.01
	06/30/2008	664.24	19.60	644.64	-	-	644.64
12-8M	04/04/2005	664.81	20.24	644.57	-	-	644.57
	05/16/2005	664.81	19.97	644.84	-	-	644.84
	06/13/2005	664.81	20.27	644.54	-	-	644.54
	07/11/2005	664.81	20.60	644.21	-	-	644.21
	08/22/2005	664.81	20.97	643.84	-	-	643.84
	10/17/2005	664.81	19.93	644.88	-	-	644.88
	01/09/2006	664.81	18.62	646.19	-	-	646.19
	04/03/2006	664.81	17.51	647.30	-	-	647.30
	05/31/2006	664.81	18.56	646.25	-	-	646.25
	06/12/2006	664.81	NR	-	NR	-	-
	08/02/2006	664.81	19.70	645.11	-	-	645.11
	09/06/2006	664.81	20.05	644.76	-	-	644.76
	11/01/2006	664.81	20.23	644.58	-	-	644.58
	01/09/2007	664.81	18.79	646.02	-	-	646.02
	05/07/2007	664.81	17.57	647.24	-	-	647.24
	07/24/2007	664.81	19.54	645.27	-	-	645.27
	10/16/2007	664.81	20.89	643.92	-	-	643.92

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	01/11/2008	664.81	20.31	644.50	-	-	644.50
	06/30/2008	664.81	18.75	646.06	-	-	646.06
	09/18/2008	664.81	19.30	645.51	-	-	645.51
	10/23/2008	664.81	19.60	645.21	-	-	645.21
	12/31/2008	664.81	16.93	647.88	-	-	647.88
	01/28/2009	664.81	16.66	648.15	-	-	648.15
	02/25/2009	664.81	16.91	647.90	-	-	647.90
	03/27/2009	664.81	17.02	647.79	-	-	647.79
	04/29/2009	664.81	17.08	647.73	-	-	647.73
	05/20/2009	664.81	17.16	647.65	-	-	647.65
	06/25/2009	664.81	16.61	648.20	-	-	648.20
	07/21/2009	664.81	17.28	647.53	-	-	647.53
	08/25/2009	664.81	17.85	646.96	-	-	646.96
	09/16/2009	664.81	12.49	652.32	-	-	652.32
	10/14/2009	664.81	18.84	645.97	-	-	645.97
	11/10/2009	664.81	19.16	645.65	-	-	645.65
	12/14/2009	664.81	19.59	645.22	-	-	645.22
	01/11/2010	664.81	19.74	645.07	-	-	645.07
	02/10/2010	664.81	19.62	645.19	-	-	645.19
	03/10/2010	664.81	20.17	644.64	-	-	644.64
	04/14/2010	664.81	20.04	644.77	-	-	644.77
	05/12/2010	664.81	20.38	644.43	-	-	644.43
	06/17/2010	664.81	20.85	643.96	-	-	643.96
	07/14/2010	664.81	21.14	643.67	-	-	643.67
	08/09/2010	664.81	20.94	643.87	-	-	643.87
	09/16/2010	664.81	20.91	643.90	-	-	643.90
	10/13/2010	664.81	19.54	645.27	-	-	645.27
	11/16/2010	664.81	19.51	645.30	-	-	645.30
	12/16/2010	664.81	19.14	645.67	-	-	645.67
	01/13/2011	664.81	18.96	645.85	-	-	645.85
	03/14/2011	664.81	18.61	646.20	-	-	646.20
	04/12/2011	664.81	18.36	646.45	-	-	646.45
12-9M	04/04/2005	665.19	20.73	644.46	-	-	644.46
	05/16/2005	665.19	20.44	644.75	-	-	644.75
	06/13/2005	665.19	20.73	644.46	-	-	644.46
	07/11/2005	665.19	21.06	644.13	-	-	644.13
	08/22/2005	665.19	21.43	643.76	-	-	643.76
	10/17/2005	665.19	20.44	644.75	-	-	644.75
	01/09/2006	665.19	19.11	646.08	-	-	646.08
	04/03/2006	665.19	17.94	647.25	-	-	647.25
	05/31/2006	665.19	19.03	646.16	-	-	646.16
	06/12/2006	665.19	NR	-	NR	-	-
	08/02/2006	665.19	20.07	645.12	-	-	645.12
	09/06/2006	665.19	20.53	644.66	-	-	644.66
	11/01/2006	665.19	20.78	644.41	-	-	644.41
	01/09/2007	665.19	19.33	645.86	-	-	645.86
	05/07/2007	665.19	18.05	647.14	-	-	647.14
	07/24/2007	665.19	20.22	644.97	-	-	644.97
	10/16/2007	665.19	21.33	643.86	-	-	643.86
	01/11/2008	665.19	21.03	644.16	-	-	644.16



**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/30/2008	665.19	19.45	645.74	-	-	645.74
	09/18/2008	665.19	20.01	645.18	-	-	645.18
	10/23/2008	665.19	20.30	644.89	-	-	644.89
	12/31/2008	665.19	17.75	647.44	-	-	647.44
	01/28/2009	665.19	17.28	647.91	-	-	647.91
	02/25/2009	665.19	17.57	647.62	-	-	647.62
	03/27/2009	665.19	17.46	647.73	-	-	647.73
	04/29/2009	665.19	17.72	647.47	-	-	647.47
	05/20/2009	665.19	17.83	647.36	-	-	647.36
	06/25/2009	665.19	17.28	647.91	-	-	647.91
	07/21/2009	665.19	17.94	647.25	-	-	647.25
	08/25/2009	665.19	18.53	646.66	-	-	646.66
	09/16/2009	665.19	13.71	651.48	-	-	651.48
	10/14/2009	665.19	19.47	645.72	-	-	645.72
	11/10/2009	665.19	19.81	645.38	-	-	645.38
	12/14/2009	665.19	20.21	644.98	-	-	644.98
	01/11/2010	665.19	20.36	644.83	-	-	644.83
	02/10/2010	665.19	20.20	644.99	-	-	644.99
	03/10/2010	665.19	20.75	644.44	-	-	644.44
	04/14/2010	665.19	20.59	644.60	-	-	644.60
	05/12/2010	665.19	20.96	644.23	-	-	644.23
	06/17/2010	665.19	21.42	643.77	-	-	643.77
	07/14/2010	665.19	21.74	643.45	-	-	643.45
	08/09/2010	665.19	21.58	643.61	-	-	643.61
	09/16/2010	665.19	21.23	643.96	-	-	643.96
	10/13/2010	665.19	20.23	644.96	-	-	644.96
	11/16/2010	665.19	20.16	645.03	-	-	645.03
	12/16/2010	665.19	18.91	646.28	-	-	646.28
	01/13/2011	665.19	18.68	646.51	-	-	646.51
	03/14/2011	665.19	19.17	646.02	-	-	646.02
	04/12/2011	665.19	18.86	646.33	-	-	646.33
12-10M	04/04/2005	666.41	20.82	645.59	-	-	645.59
	05/16/2005	666.41	20.58	645.83	-	-	645.83
	06/13/2005	666.41	20.87	645.54	-	-	645.54
	07/11/2005	666.41	21.18	645.23	-	-	645.23
	08/22/2005	666.41	21.54	644.87	-	-	644.87
	10/17/2005	666.41	20.46	645.95	-	-	645.95
	01/09/2006	666.41	19.23	647.18	-	-	647.18
	04/03/2006	666.41	18.08	648.33	-	-	648.33
	05/31/2006	666.41	19.11	647.30	-	-	647.30
	06/12/2006	666.41	NR	-	NR	-	-
	08/02/2006	666.41	20.01	646.40	-	-	646.40
	09/06/2006	666.41	20.57	645.84	-	-	645.84
	11/01/2006	666.41	20.71	645.70	-	-	645.70
	01/09/2007	666.41	19.39	647.02	-	-	647.02
	05/07/2007	666.41	18.13	648.28	-	-	648.28
	07/24/2007	666.41	19.88	646.53	-	-	646.53
	10/16/2007	666.41	21.32	645.09	-	-	645.09
	01/11/2008	666.41	20.83	645.58	-	-	645.58

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/30/2008	666.41	19.40	647.01	-	-	647.01
	09/18/2008	666.41	20.10	646.31	-	-	646.31
	10/23/2008	666.41	20.50	645.91	-	-	645.91
	12/31/2008	666.41	17.50	648.91	-	-	648.91
	01/28/2009	666.41	17.25	649.16	-	-	649.16
	02/25/2009	666.41	17.46	648.95	-	-	648.95
	03/27/2009	666.41	17.57	648.84	-	-	648.84
	04/29/2009	666.41	17.89	648.52	-	-	648.52
	05/20/2009	666.41	17.97	648.44	-	-	648.44
	06/25/2009	666.41	17.17	649.24	-	-	649.24
	07/21/2009	666.41	18.03	648.38	-	-	648.38
	08/25/2009	666.41	18.62	647.79	-	-	647.79
	09/16/2009	666.41	14.01	652.40	-	-	652.40
	10/14/2009	666.41	19.61	646.80	-	-	646.80
	11/10/2009	666.41	19.92	646.49	-	-	646.49
	12/14/2009	666.41	20.36	646.05	-	-	646.05
	01/11/2010	666.41	20.31	646.10	-	-	646.10
	02/10/2010	666.41	20.19	646.22	-	-	646.22
	03/10/2010	666.41	20.78	645.63	-	-	645.63
	04/14/2010	666.41	20.66	645.75	-	-	645.75
	05/12/2010	666.41	20.98	645.43	-	-	645.43
	06/17/2010	666.41	21.42	644.99	-	-	644.99
	07/14/2010	666.41	21.78	644.63	-	-	644.63
	08/09/2010	666.41	21.51	644.90	-	-	644.90
	09/16/2010	666.41	21.52	644.89	-	-	644.89
	10/13/2010	666.41	20.04	646.37	-	-	646.37
	11/16/2010	666.41	20.09	646.32	-	-	646.32
	12/16/2010	666.41	19.69	646.72	-	-	646.72
	01/13/2011	666.41	19.75	646.66	-	-	646.66
	03/14/2011	666.41	19.13	647.28	-	-	647.28
	04/12/2011	666.41	18.92	647.49	-	-	647.49
12-11M	04/04/2005	667.26	21.90	645.36	-	-	645.36
	05/16/2005	667.26	21.64	645.62	-	-	645.62
	06/13/2005	667.26	21.85	645.41	-	-	645.41
	07/11/2005	667.26	22.10	645.16	-	-	645.16
	08/22/2005	667.26	22.61	644.65	-	-	644.65
	10/17/2005	667.26	21.53	645.73	-	-	645.73
	01/09/2006	667.26	20.26	647.00	-	-	647.00
	04/03/2006	667.26	19.03	648.23	-	-	648.23
	05/31/2006	667.26	20.15	647.11	-	-	647.11
	06/12/2006	667.26	NR	-	NR	-	-
	08/02/2006	667.26	21.07	646.19	-	-	646.19
	09/06/2006	667.26	21.66	645.60	-	-	645.60
	11/01/2006	667.26	20.75	646.51	-	-	646.51
	01/09/2007	667.26	20.40	646.86	-	-	646.86
	05/07/2007	667.26	19.10	648.16	-	-	648.16
	07/24/2007	667.26	20.97	646.29	-	-	646.29
	10/16/2007	667.26	22.35	644.91	-	-	644.91
	01/11/2008	667.26	22.02	645.24	-	-	645.24

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/30/2008	667.26	20.40	646.86	-	-	646.86
	09/18/2008	667.26	20.93	646.33	-	-	646.33
	10/23/2008	667.26	21.20	646.06	-	-	646.06
	12/31/2008	667.26	18.60	648.66	-	-	648.66
	01/28/2009	667.26	18.20	649.06	-	-	649.06
	02/25/2009	667.26	18.43	648.83	-	-	648.83
	03/27/2009	667.26	18.50	648.76	-	-	648.76
	04/29/2009	667.26	18.61	648.65	-	-	648.65
	05/20/2009	667.26	18.64	648.62	-	-	648.62
	06/25/2009	667.26	18.13	649.13	-	-	649.13
	07/21/2009	667.26	18.71	648.55	-	-	648.55
	08/25/2009	667.26	19.32	647.94	-	-	647.94
	09/16/2009	667.26	13.80	653.46	-	-	653.46
	10/14/2009	667.26	20.26	647.00	-	-	647.00
	11/10/2009	667.26	20.59	646.67	-	-	646.67
	12/14/2009	667.26	20.98	646.28	-	-	646.28
	01/11/2010	667.26	21.16	646.10	-	-	646.10
	02/10/2010	667.26	21.03	646.23	-	-	646.23
	03/10/2010	667.26	21.59	645.67	-	-	645.67
	04/14/2010	667.26	21.43	645.83	-	-	645.83
	05/12/2010	667.26	21.79	645.47	-	-	645.47
	06/17/2010	667.26	22.19	645.07	-	-	645.07
	07/14/2010	667.26	21.47	645.79	-	-	645.79
	08/09/2010	667.26	22.26	645.00	-	-	645.00
	09/16/2010	667.26	22.41	644.85	-	-	644.85
	10/13/2010	667.26	20.93	646.33	-	-	646.33
	11/16/2010	667.26	22.06	645.20	-	-	645.20
	12/16/2010	667.26	20.56	646.70	-	-	646.70
	01/13/2011	667.26	20.51	646.75	-	-	646.75
	03/14/2011	667.26	20.01	647.25	-	-	647.25
	04/12/2011	667.26	19.79	647.47	-	-	647.47
13-1S	04/04/2005	666.21	19.03	647.18	-	-	647.18
	05/16/2005	666.21	18.96	647.25	-	-	647.25
	06/13/2005	666.21	19.29	646.92	-	-	646.92
	07/11/2005	666.21	19.52	646.69	-	-	646.69
	08/22/2005	666.21	19.90	646.31	-	-	646.31
	10/17/2005	666.21	18.58	647.63	-	-	647.63
	01/09/2006	666.21	17.63	648.58	-	-	648.58
	04/03/2006	666.21	16.62	649.59	-	-	649.59
	05/31/2006	666.21	17.51	648.70	-	-	648.70
	06/12/2006	666.21	NR	-	NR	-	-
	08/02/2006	666.21	18.24	647.97	-	-	647.97
	09/06/2006	666.21	18.90	647.31	-	-	647.31
	11/01/2006	666.21	18.91	647.30	-	-	647.30
	01/09/2007	666.21	17.70	648.51	-	-	648.51
	05/07/2007	666.21	16.59	649.62	-	-	649.62
	07/24/2007	666.21	17.92	648.29	-	-	648.29
	10/16/2007	666.21	19.65	646.56	-	-	646.56
	01/11/2008	666.21	19.26	646.95	-	-	646.95

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/30/2008	666.21	18.85	647.36	-	-	647.36
13-2S	04/04/2005	667.62	20.54	647.08	-	-	647.08
	05/16/2005	667.62	20.38	647.24	-	-	647.24
	06/13/2005	667.62	20.70	646.92	-	-	646.92
	07/11/2005	667.62	20.99	646.63	-	-	646.63
	08/22/2005	667.62	21.36	646.26	-	-	646.26
	10/17/2005	667.62	20.05	647.57	-	-	647.57
	01/09/2006	667.62	19.05	648.57	-	-	648.57
	04/03/2006	667.62	17.97	649.65	-	-	649.65
	05/31/2006	667.62	18.92	648.70	-	-	648.70
	06/12/2006	667.62	NR	-	NR	-	-
	08/02/2006	667.62	19.66	647.96	-	-	647.96
	09/06/2006	667.62	20.32	647.30	-	-	647.30
	11/01/2006	667.62	20.37	647.25	-	-	647.25
	01/09/2007	667.62	19.20	648.42	-	-	648.42
	05/07/2007	667.62	17.96	649.66	-	-	649.66
	07/24/2007	667.62	19.43	648.19	-	-	648.19
	10/16/2007	667.62	21.10	646.52	-	-	646.52
01/11/2008	667.62	20.71	646.91	-	-	646.91	
06/30/2008	667.62	19.25	648.37	-	-	648.37	
13-3S	04/04/2005	667.41	20.45	646.96	-	-	646.96
	05/16/2005	667.41	20.25	647.16	-	-	647.16
	06/13/2005	667.41	20.59	646.82	-	-	646.82
	07/11/2005	667.41	20.85	646.56	-	-	646.56
	08/22/2005	667.41	21.20	646.21	-	-	646.21
	10/17/2005	667.41	20.02	647.39	-	-	647.39
	01/09/2006	667.41	18.93	648.48	-	-	648.48
	04/03/2006	667.41	17.72	649.69	-	-	649.69
	05/31/2006	667.41	18.78	648.63	-	-	648.63
	06/12/2006	667.41	NR	-	NR	-	-
	08/02/2006	667.41	19.59	647.82	-	-	647.82
	09/06/2006	667.41	20.19	647.22	-	-	647.22
	11/01/2006	667.41	20.29	647.12	-	-	647.12
	01/09/2007	667.41	19.13	648.28	-	-	648.28
	05/07/2007	667.41	17.70	649.71	-	-	649.71
	07/24/2007	667.41	19.31	648.10	-	-	648.10
	10/16/2007	667.41	21.93	645.48	-	-	645.48
01/11/2008	667.41	20.61	646.80	-	-	646.80	
06/30/2008	667.41	20.15	647.26	-	-	647.26	
13-4S	04/04/2005	668.78	21.72	647.06	-	-	647.06
	05/16/2005	668.78	21.47	647.31	-	-	647.31
	06/13/2005	668.78	21.81	646.97	-	-	646.97
	07/11/2005	668.78	22.08	646.70	-	-	646.70
	08/22/2005	668.78	22.55	646.23	-	-	646.23
	10/17/2005	668.78	21.23	647.55	-	-	647.55
	01/09/2006	668.78	20.15	648.63	-	-	648.63
	04/03/2006	668.78	19.09	649.69	-	-	649.69
05/31/2006	668.78	20.07	648.71	-	-	648.71	

**Table D-1  
Historical Well Gauging Data Summary**

**Areas 3805 and 1995  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/12/2006	668.78	NR	-	NR	-	-
	08/02/2006	668.78	20.74	648.04	-	-	648.04
	09/06/2006	668.78	21.44	647.34	-	-	647.34
	11/01/2006	668.78	21.45	647.33	-	-	647.33
	01/09/2007	668.78	20.38	648.40	-	-	648.40
	05/07/2007	668.78	19.12	649.66	-	-	649.66
	07/24/2007	668.78	20.48	648.30	-	-	648.30
	10/16/2007	668.78	22.09	646.69	-	-	646.69
	01/11/2008	668.78	21.64	647.14	-	-	647.14
	06/30/2008	668.78	20.40	648.38	-	-	648.38

**Notes:**

NA = Not Available/Not Analyzed

ND = Not Detected

NR = Not Recorded











## **APPENDIX E**

### **Summary of Well Gauging Results and Operation and Maintenance Data**

#### **Building P2140 – AAFES Station**

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
2140-DPE01	01/08/2003	646.30	25.88	620.42	-	-	620.42
	09/08/2004	646.30	26.00	620.30	-	-	620.30
	09/22/2004	646.30	26.00	620.30	-	-	620.30
	10/08/2004	646.30	26.00	620.30	-	-	620.30
	10/29/2004	646.30	26.00	620.30	-	-	620.30
	11/04/2004	646.30	26.00	620.30	-	-	620.30
	11/08/2004	646.30	26.00	620.30	-	-	620.30
	12/01/2004	646.30	26.00	620.30	-	-	620.30
	12/15/2004	646.30	26.00	620.30	-	-	620.30
	01/05/2005	646.30	26.00	620.30	-	-	620.30
	01/14/2005	646.30	26.00	620.30	-	-	620.30
	02/03/2005	646.30	26.00	620.30	-	-	620.30
	02/15/2005	646.30	26.00	620.30	-	-	620.30
	03/08/2005	646.30	26.00	620.30	-	-	620.30
	03/22/2005	646.30	26.00	620.30	-	-	620.30
	04/11/2005	646.30	26.00	620.30	-	-	620.30
	04/25/2005	646.30	24.94	621.36	-	-	621.36
	05/03/2005	646.30	26.00	620.30	-	-	620.30
	05/25/2005	646.30	NR	-	NR	-	-
	06/02/2005	646.30	NR	-	NR	-	-
	06/20/2005	646.30	NR	-	NR	-	-
	06/29/2005	646.30	NR	-	NR	-	-
	07/07/2005	646.30	NR	-	NR	-	-
	07/27/2005	646.30	25.52	620.78	-	-	620.78
	08/05/2005	646.30	25.49	620.81	-	-	620.81
	08/15/2005	646.30	NR	-	NR	-	-
	09/06/2005	646.30	25.35	620.95	-	-	620.95
	09/23/2005	646.30	25.26	621.04	-	-	621.04
	10/07/2005	646.30	NR	-	NR	-	-
	10/25/2005	646.30	NR	-	NR	-	-
	12/13/2005	646.30	23.00	623.30	-	-	623.30
	01/06/2006	646.30	NR	-	NR	-	-
	02/09/2006	646.30	22.64	623.66	-	-	623.66
	02/22/2006	646.30	22.52	623.78	-	-	623.78
	03/16/2006	646.30	NR	-	NR	-	-
	04/12/2006	646.30	NR	-	NR	-	-
	05/17/2006	646.30	23.41	622.89	-	-	622.89
	06/15/2006	646.30	NR	-	NR	-	-
	07/10/2006	646.30	23.75	622.55	-	-	622.55
	08/18/2006	646.30	24.31	621.99	-	-	621.99
	10/24/2006	646.30	NR	-	NR	-	-
	01/04/2007	646.30	NR	-	NR	-	-
	02/01/2007	646.30	22.85	623.45	-	-	623.45
	05/07/2007	646.30	22.45	623.85	-	-	623.85
	05/30/2007	646.30	NR	-	NR	-	-
	07/30/2007	646.30	23.86	622.44	-	-	622.44
	10/07/2007	646.30	NR	-	NR	-	-
	01/07/2008	646.30	NR	-	NR	-	-
	02/26/2008	646.30	NR	-	NR	-	-
	07/01/2008	646.30	NR	-	NR	-	-

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/18/2008	646.30	NR	-	NR	-	-
	10/23/2008	646.30	17.70	628.60	-	-	628.60
	12/30/2008	646.30	NR	-	NR	-	-
	01/28/2009	646.30	21.17	625.13	-	-	625.13
	02/24/2009	646.30	24.26	622.04	-	-	622.04
	03/27/2009	646.30	14.65	631.65	-	-	631.65
	04/28/2009	646.30	22.49	623.81	-	-	623.81
	05/20/2009	646.30	22.40	623.90	-	-	623.90
	06/25/2009	646.30	22.44	623.86	-	-	623.86
	07/20/2009	646.30	22.97	623.33	-	-	623.33
	08/25/2009	646.30	21.95	624.35	-	-	624.35
	09/16/2009	646.30	21.30	625.00	-	-	625.00
	10/13/2009	646.30	24.73	621.57	-	-	621.57
	11/10/2009	646.30	24.59	621.71	-	-	621.71
	12/14/2009	646.30	25.17	621.13	-	-	621.13
	01/11/2010	646.30	25.49	620.81	-	-	620.81
	02/10/2010	646.30	25.38	620.92	-	-	620.92
	03/10/2010	646.30	25.67	620.63	-	-	620.63
	04/14/2010	646.30	24.97	621.33	-	-	621.33
	05/12/2010	646.30	25.33	620.97	-	-	620.97
	06/17/2010	646.30	20.17	626.13	-	-	626.13
	07/14/2010	646.30	19.86	626.44	-	-	626.44
	08/09/2010	646.30	23.83	622.47	-	-	622.47
	09/16/2010	646.30	24.11	622.19	-	-	622.19
	10/13/2010	646.30	23.55	622.75	-	-	622.75
	11/16/2010	646.30	22.88	623.42	-	-	623.42
	12/16/2010	646.30	NR	-	NR	-	-
	01/13/2011	646.30	NR	-	NR	-	-
	03/14/2011	646.30	NR	-	NR	-	-
	04/12/2011	646.30	NR	-	NR	-	-
2140-DPE02	01/08/2003	646.78	27.18	619.60	-	-	619.60
	09/08/2004	646.78	29.00	617.78	-	-	617.78
	09/22/2004	646.78	29.00	617.78	-	-	617.78
	10/08/2004	646.78	29.00	617.78	-	-	617.78
	10/29/2004	646.78	29.00	617.78	-	-	617.78
	11/04/2004	646.78	29.00	617.78	-	-	617.78
	11/08/2004	646.78	29.00	617.78	-	-	617.78
	12/01/2004	646.78	29.00	617.78	-	-	617.78
	12/15/2004	646.78	29.00	617.78	-	-	617.78
	01/05/2005	646.78	29.00	617.78	-	-	617.78
	01/14/2005	646.78	29.00	617.78	-	-	617.78
	02/03/2005	646.78	29.00	617.78	-	-	617.78
	02/15/2005	646.78	29.00	617.78	-	-	617.78
	03/08/2005	646.78	29.00	617.78	-	-	617.78
	03/22/2005	646.78	29.00	617.78	-	-	617.78
	04/11/2005	646.78	29.00	617.78	-	-	617.78
	04/25/2005	646.78	26.09	620.69	-	-	620.69
	05/03/2005	646.78	29.00	617.78	-	-	617.78
	05/25/2005	646.78	NR	-	NR	-	-

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/02/2005	646.78	NR	-	NR	-	-
	06/20/2005	646.78	NR	-	NR	-	-
	06/29/2005	646.78	NR	-	NR	-	-
	07/07/2005	646.78	NR	-	NR	-	-
	07/27/2005	646.78	26.64	620.14	-	-	620.14
	08/05/2005	646.78	26.62	620.16	-	-	620.16
	08/15/2005	646.78	NR	-	NR	-	-
	09/06/2005	646.78	26.39	620.39	-	-	620.39
	09/23/2005	646.78	26.30	620.48	-	-	620.48
	10/07/2005	646.78	NR	-	NR	-	-
	10/25/2005	646.78	NR	-	NR	-	-
	12/13/2005	646.78	24.07	622.71	-	-	622.71
	01/06/2006	646.78	NR	-	NR	-	-
	02/09/2006	646.78	NR	-	NR	-	-
	02/22/2006	646.78	23.62	623.16	-	-	623.16
	03/16/2006	646.78	NR	-	NR	-	-
	04/12/2006	646.78	NR	-	NR	-	-
	05/17/2006	646.78	24.56	622.22	-	-	622.22
	06/15/2006	646.78	NR	-	NR	-	-
	07/10/2006	646.78	26.90	619.88	-	-	619.88
	08/18/2006	646.78	25.46	621.32	-	-	621.32
	10/24/2006	646.78	NR	-	NR	-	-
	01/04/2007	646.78	NR	-	NR	-	-
	02/01/2007	646.78	23.92	622.86	-	-	622.86
	05/07/2007	646.78	23.67	623.11	-	-	623.11
	05/30/2007	646.78	NR	-	NR	-	-
	07/30/2007	646.78	25.04	621.74	-	-	621.74
	10/07/2007	646.78	NR	-	NR	-	-
	01/07/2008	646.78	NR	-	NR	-	-
	02/26/2008	646.78	NR	-	NR	-	-
	07/01/2008	646.78	24.45	622.33	-	-	622.33
2140-DPE03	01/08/2003	646.36	28.54	617.82	-	-	617.82
	09/08/2004	646.36	31.00	615.36	-	-	615.36
	09/22/2004	646.36	31.00	615.36	-	-	615.36
	10/08/2004	646.36	31.00	615.36	-	-	615.36
	10/29/2004	646.36	31.00	615.36	-	-	615.36
	11/04/2004	646.36	31.00	615.36	-	-	615.36
	11/08/2004	646.36	31.00	615.36	-	-	615.36
	12/01/2004	646.36	31.00	615.36	-	-	615.36
	12/15/2004	646.36	31.00	615.36	-	-	615.36
	01/05/2005	646.36	33.00	613.36	-	-	613.36
	01/14/2005	646.36	33.00	613.36	-	-	613.36
	02/03/2005	646.36	31.00	615.36	-	-	615.36
	02/15/2005	646.36	31.00	615.36	-	-	615.36
	03/08/2005	646.36	33.00	613.36	-	-	613.36
	03/22/2005	646.36	33.00	613.36	-	-	613.36
	04/11/2005	646.36	33.00	613.36	-	-	613.36
	04/25/2005	646.36	27.48	618.88	-	-	618.88
	05/03/2005	646.36	33.00	613.36	-	-	613.36

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	05/25/2005	646.36	NR	-	NR	-	-
	06/02/2005	646.36	NR	-	NR	-	-
	06/20/2005	646.36	NR	-	NR	-	-
	06/29/2005	646.36	NR	-	NR	-	-
	07/07/2005	646.36	NR	-	NR	-	-
	07/27/2005	646.36	28.04	618.32	-	-	618.32
	08/05/2005	646.36	27.99	618.37	-	-	618.37
	08/15/2005	646.36	NR	-	NR	-	-
	09/06/2005	646.36	27.92	618.44	-	-	618.44
	09/23/2005	646.36	27.83	618.53	-	-	618.53
	10/07/2005	646.36	NR	-	-	-	-
	10/25/2005	646.36	NR	-	-	-	-
	12/13/2005	646.36	25.58	620.78	-	-	620.78
	01/06/2006	646.36	NR	-	NR	-	-
	02/09/2006	646.36	25.27	621.09	-	-	621.09
	02/22/2006	646.36	25.19	621.17	-	-	621.17
	03/16/2006	646.36	NR	-	NR	-	-
	04/12/2006	646.36	NR	-	NR	-	-
	05/17/2006	646.36	26.16	620.20	-	-	620.20
	06/15/2006	646.36	NR	-	NR	-	-
	07/10/2006	646.36	26.53	619.83	-	-	619.83
	08/18/2006	646.36	27.22	619.14	-	-	619.14
	10/24/2006	646.36	NR	-	NR	-	-
	01/04/2007	646.36	NR	-	NR	-	-
	02/01/2007	646.36	25.54	620.82	-	-	620.82
	05/07/2007	646.36	25.75	620.61	-	-	620.61
	05/30/2007	646.36	NR	-	NR	-	-
	07/30/2007	646.36	26.84	619.52	-	-	619.52
	10/07/2007	646.36	NR	-	NR	-	-
	01/07/2008	646.36	NR	-	NR	-	-
	02/26/2008	646.36	NR	-	NR	-	-
	07/01/2008	646.36	26.15	620.21	-	-	620.21
	09/18/2008	646.36	17.65	628.71	-	-	628.71
	10/23/2008	646.36	17.15	629.21	-	-	629.21
	12/30/2008	646.36	13.43	632.93	-	-	632.93
	01/28/2009	646.36	13.92	632.44	-	-	632.44
	02/24/2009	646.36	17.30	629.06	-	-	629.06
	03/27/2009	646.36	16.10	630.26	-	-	630.26
	04/28/2009	646.36	16.22	630.14	-	-	630.14
	05/20/2009	646.36	15.62	630.74	-	-	630.74
	06/25/2009	646.36	15.24	631.12	-	-	631.12
	07/20/2009	646.36	16.23	630.13	-	-	630.13
	08/25/2009	646.36	21.88	624.48	-	-	624.48
	09/16/2009	646.36	17.54	628.82	-	-	628.82
	10/13/2009	646.30	19.83	626.47	-	-	626.47
	11/10/2009	646.30	17.41	628.89	-	-	628.89
	12/14/2009	646.30	18.12	628.18	-	-	628.18
	01/11/2010	646.30	27.22	619.08	-	-	619.08
	02/10/2010	646.30	27.05	619.25	-	-	619.25
	03/10/2010	646.30	27.39	618.91	-	-	618.91

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/14/2010	646.30	26.75	619.55	-	-	619.55
	05/12/2010	646.36	27.06	619.30	-	-	619.30
	06/17/2010	646.36	22.86	623.50	-	-	623.50
	07/14/2010	646.36	22.32	624.04	-	-	624.04
	08/09/2010	646.36	22.25	624.11	-	-	624.11
	09/16/2010	646.36	21.24	625.12	-	-	625.12
	10/13/2010	646.36	26.28	620.08	-	-	620.08
	11/16/2010	646.36	26.15	620.21	-	-	620.21
	12/16/2010	646.36	NR	-	NR	-	-
	01/13/2011	646.36	NR	-	NR	-	-
	03/14/2011	646.36	NR	-	NR	-	-
	04/12/2011	646.36	NR	-	NR	-	-
2140-DPE04	01/08/2003	646.04	27.83	618.21	-	-	618.21
	09/08/2004	646.04	30.00	616.04	-	-	616.04
	09/22/2004	646.04	30.00	616.04	-	-	616.04
	10/08/2004	646.04	30.00	616.04	-	-	616.04
	10/29/2004	646.04	31.00	615.04	-	-	615.04
	11/04/2004	646.04	31.00	615.04	-	-	615.04
	11/08/2004	646.04	31.00	615.04	-	-	615.04
	12/01/2004	646.04	31.00	615.04	-	-	615.04
	12/15/2004	646.04	31.00	615.04	-	-	615.04
	01/05/2005	646.04	32.00	614.04	-	-	614.04
	01/14/2005	646.04	32.00	614.04	-	-	614.04
	02/03/2005	646.04	31.60	614.44	-	-	614.44
	02/15/2005	646.04	31.60	614.44	-	-	614.44
	03/08/2005	646.04	32.00	614.04	-	-	614.04
	03/22/2005	646.04	32.00	614.04	-	-	614.04
	04/11/2005	646.04	32.00	614.04	-	-	614.04
	04/25/2005	646.04	26.99	619.05	-	-	619.05
	05/03/2005	646.04	32.00	614.04	-	-	614.04
	05/25/2005	646.04	NR	-	NR	-	-
	06/02/2005	646.04	NR	-	NR	-	-
	06/20/2005	646.04	NR	-	NR	-	-
	06/29/2005	646.04	NR	-	NR	-	-
	07/07/2005	646.04	NR	-	NR	-	-
	07/27/2005	646.04	27.52	618.52	-	-	618.52
	08/05/2005	646.04	27.53	618.51	-	-	618.51
	08/15/2005	646.04	NR	-	NR	-	-
	09/06/2005	646.04	27.27	618.77	-	-	618.77
	09/23/2005	646.04	27.19	618.85	-	-	618.85
	10/07/2005	646.04	NR	-	NR	-	-
	10/25/2005	646.04	NR	-	NR	-	-
	12/13/2005	646.04	24.96	621.08	-	-	621.08
	01/06/2006	646.04	NR	-	NR	-	-
	02/09/2006	646.04	24.70	621.34	-	-	621.34
	02/22/2006	646.04	24.60	621.44	-	-	621.44
	03/16/2006	646.04	NR	-	NR	-	-
	04/12/2006	646.04	NR	-	NR	-	-
	05/17/2006	646.04	25.55	620.49	-	-	620.49

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/15/2006	646.04	NR	-	NR	-	-
	07/10/2006	646.04	25.93	620.11	-	-	620.11
	08/18/2006	646.04	26.55	619.49	-	-	619.49
	10/24/2006	646.04	NR	-	NR	-	-
	01/04/2007	646.04	NR	-	NR	-	-
	02/01/2007	646.04	24.87	621.17	-	-	621.17
	05/07/2007	646.04	25.00	621.04	-	-	621.04
	05/30/2007	646.04	NR	-	NR	-	-
	07/30/2007	646.04	26.14	619.90	-	-	619.90
	10/07/2007	646.04	NR	-	NR	-	-
	01/07/2008	646.04	NR	-	NR	-	-
	02/26/2008	646.04	NR	-	NR	-	-
	07/01/2008	646.04	25.40	620.64	-	-	620.64
	09/18/2008	646.04	20.32	625.72	-	-	625.72
	10/23/2008	646.04	19.60	626.44	-	-	626.44
	12/30/2008	646.04	17.69	628.35	-	-	628.35
	01/28/2009	646.04	14.72	631.32	-	-	631.32
	02/24/2009	646.04	16.45	629.59	-	-	629.59
	03/27/2009	646.04	16.14	629.90	-	-	629.90
	04/28/2009	646.04	16.33	629.71	-	-	629.71
	05/20/2009	646.04	15.02	631.02	-	-	631.02
	06/25/2009	646.04	13.88	632.16	-	-	632.16
	07/20/2009	646.04	14.43	631.61	-	-	631.61
	08/25/2009	646.04	23.05	622.99	-	-	622.99
	09/16/2009	646.04	18.95	627.09	-	-	627.09
	10/13/2009	646.30	18.86	627.44	-	-	627.44
	11/10/2009	646.30	17.98	628.32	-	-	628.32
	12/14/2009	646.30	18.29	628.01	-	-	628.01
	01/11/2010	646.30	26.69	619.61	-	-	619.61
	02/10/2010	646.30	26.48	619.82	-	-	619.82
	03/10/2010	646.30	26.84	619.46	-	-	619.46
	04/14/2010	646.30	26.18	620.12	-	-	620.12
	05/12/2010	646.04	26.45	619.59	-	-	619.59
	06/17/2010	646.04	22.31	623.73	-	-	623.73
	07/14/2010	646.04	22.31	623.73	-	-	623.73
	08/09/2010	646.04	22.15	623.89	-	-	623.89
	09/16/2010	646.04	20.78	625.26	-	-	625.26
	10/13/2010	646.04	25.44	620.60	-	-	620.60
	11/16/2010	646.04	25.47	620.57	-	-	620.57
	12/16/2010	646.04	NR	-	NR	-	-
	01/13/2011	646.04	NR	-	NR	-	-
	03/14/2011	646.04	NR	-	NR	-	-
	04/12/2011	646.04	NR	-	NR	-	-
2140-DPE05	01/08/2003	641.04	26.49	614.55	-	-	614.55
	09/08/2004	641.04	28.00	613.04	-	-	613.04
	09/22/2004	641.04	28.00	613.04	-	-	613.04
	10/08/2004	641.04	28.00	613.04	-	-	613.04
	10/29/2004	641.04	28.00	613.04	-	-	613.04
	11/04/2004	641.04	28.00	613.04	-	-	613.04



**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	11/08/2004	641.04	28.00	613.04	-	-	613.04
	12/01/2004	641.04	28.00	613.04	-	-	613.04
	12/15/2004	641.04	28.00	613.04	-	-	613.04
	01/05/2005	641.04	28.00	613.04	-	-	613.04
	01/14/2005	641.04	28.00	613.04	-	-	613.04
	02/03/2005	641.04	27.00	614.04	-	-	614.04
	02/15/2005	641.04	27.00	614.04	-	-	614.04
	03/08/2005	641.04	28.00	613.04	-	-	613.04
	03/22/2005	641.04	28.00	613.04	-	-	613.04
	04/11/2005	641.04	28.00	613.04	-	-	613.04
	04/25/2005	641.04	25.75	615.29	-	-	615.29
	05/03/2005	641.04	28.00	613.04	-	-	613.04
	05/25/2005	641.04	NR	-	NR	-	-
	06/02/2005	641.04	NR	-	NR	-	-
	06/20/2005	641.04	NR	-	NR	-	-
	06/29/2005	641.04	NR	-	NR	-	-
	07/07/2005	641.04	NR	-	NR	-	-
	07/27/2005	641.04	26.43	614.61	-	-	614.61
	08/05/2005	641.04	26.38	614.66	-	-	614.66
	08/15/2005	641.04	NR	-	NR	-	-
	09/06/2005	641.04	26.32	614.72	-	-	614.72
	09/23/2005	641.04	26.23	614.81	-	-	614.81
	10/07/2005	641.04	NR	-	NR	-	-
	10/25/2005	641.04	NR	-	NR	-	-
	12/13/2005	641.04	23.98	617.06	-	-	617.06
	01/06/2006	641.04	NR	-	NR	-	-
	02/09/2006	641.04	23.73	617.31	-	-	617.31
	02/22/2006	641.04	23.63	617.41	-	-	617.41
	03/16/2006	641.04	NR	-	NR	-	-
	04/12/2006	641.04	NR	-	NR	-	-
	05/17/2006	641.04	24.76	616.28	-	-	616.28
	06/15/2006	641.04	NR	-	NR	-	-
	07/10/2006	641.04	25.27	615.77	-	-	615.77
	08/18/2006	641.04	25.92	615.12	-	-	615.12
	10/24/2006	641.04	NR	-	NR	-	-
	01/04/2007	641.04	NR	-	NR	-	-
	02/01/2007	641.04	24.12	616.92	-	-	616.92
	05/07/2007	641.04	24.65	616.39	-	-	616.39
	05/30/2007	641.04	NR	-	NR	-	-
	07/30/2007	641.04	25.54	615.50	-	-	615.50
	10/07/2007	641.04	NR	-	NR	-	-
	01/07/2008	641.04	NR	-	NR	-	-
	02/26/2008	641.04	NR	-	NR	-	-
	07/01/2008	641.04	24.55	616.49	-	-	616.49
2140-DPE06	01/08/2003	640.49	26.18	614.31	-	-	614.31
	09/08/2004	640.49	28.00	612.49	-	-	612.49
	09/22/2004	640.49	28.00	612.49	-	-	612.49
	10/08/2004	640.49	28.00	612.49	-	-	612.49
	10/29/2004	640.49	28.00	612.49	-	-	612.49

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	11/04/2004	640.49	28.00	612.49	-	-	612.49
	11/08/2004	640.49	28.00	612.49	-	-	612.49
	12/01/2004	640.49	28.00	612.49	-	-	612.49
	12/15/2004	640.49	28.00	612.49	-	-	612.49
	01/05/2005	640.49	28.00	612.49	-	-	612.49
	01/14/2005	640.49	28.00	612.49	-	-	612.49
	02/03/2005	640.49	28.00	612.49	-	-	612.49
	02/15/2005	640.49	28.00	612.49	-	-	612.49
	03/08/2005	640.49	28.00	612.49	-	-	612.49
	03/22/2005	640.49	28.00	612.49	-	-	612.49
	04/11/2005	640.49	28.00	612.49	-	-	612.49
	04/25/2005	640.49	25.52	614.97	-	-	614.97
	05/03/2005	640.49	28.00	612.49	-	-	612.49
	05/25/2005	640.49	NR	-	NR	-	-
	06/02/2005	640.49	NR	-	NR	-	-
	06/20/2005	640.49	NR	-	NR	-	-
	06/29/2005	640.49	NR	-	NR	-	-
	07/07/2005	640.49	NR	-	NR	-	-
	07/27/2005	640.49	26.07	614.42	-	-	614.42
	08/05/2005	640.49	26.02	614.47	-	-	614.47
	08/15/2005	640.49	NR	-	NR	-	-
	09/06/2005	640.49	25.92	614.57	-	-	614.57
	09/23/2005	640.49	25.91	614.58	-	-	614.58
	10/07/2005	640.49	NR	-	NR	-	-
	10/25/2005	640.49	NR	-	NR	-	-
	12/13/2005	640.49	23.73	616.76	-	-	616.76
	01/06/2006	640.49	NR	-	NR	-	-
	02/09/2006	640.49	23.49	617.00	-	-	617.00
	02/22/2006	640.49	23.44	617.05	-	-	617.05
	03/16/2006	640.49	NR	-	NR	-	-
	04/12/2006	640.49	NR	-	NR	-	-
	05/17/2006	640.49	24.44	616.05	-	-	616.05
	06/15/2006	640.49	NR	-	NR	-	-
	07/10/2006	640.49	25.00	615.49	-	-	615.49
	08/18/2006	640.49	25.52	614.97	-	-	614.97
	10/24/2006	640.49	NR	-	NR	-	-
	01/04/2007	640.49	NR	-	NR	-	-
	02/01/2007	640.49	23.83	616.66	-	-	616.66
	05/07/2007	640.49	23.11	617.38	-	-	617.38
	05/30/2007	640.49	NR	-	NR	-	-
	07/30/2007	640.49	25.11	615.38	-	-	615.38
	10/07/2007	640.49	NR	-	NR	-	-
	01/07/2008	640.49	NR	-	NR	-	-
	02/26/2008	640.49	NR	-	NR	-	-
	07/01/2008	640.49	24.15	616.34	-	-	616.34
	09/18/2008	640.49	19.60	620.89	-	-	620.89
	10/23/2008	640.49	17.90	622.59	-	-	622.59
	12/30/2008	640.49	16.74	623.75	-	-	623.75
	01/28/2009	640.49	15.20	625.29	-	-	625.29
	02/24/2009	640.49	16.81	623.68	-	-	623.68

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	03/27/2009	640.49	16.08	624.41	-	-	624.41
	04/28/2009	640.49	17.26	623.23	-	-	623.23
	05/20/2009	640.49	16.08	624.41	-	-	624.41
	06/25/2009	640.49	15.18	625.31	-	-	625.31
	07/20/2009	640.49	19.03	621.46	-	-	621.46
	08/25/2009	640.49	22.70	617.79	-	-	617.79
	09/16/2009	640.49	17.95	622.54	-	-	622.54
	10/13/2009	646.30	19.03	627.27	-	-	627.27
	11/10/2009	646.30	17.86	628.44	-	-	628.44
	12/14/2009	646.30	19.48	626.82	-	-	626.82
	01/11/2010	646.30	25.25	621.05	-	-	621.05
	02/10/2010	646.30	24.92	621.38	-	-	621.38
	03/10/2010	646.30	25.29	621.01	-	-	621.01
	04/14/2010	646.30	24.67	621.63	-	-	621.63
	05/12/2010	640.49	24.96	615.53	-	-	615.53
	06/17/2010	640.49	23.14	617.35	-	-	617.35
	07/14/2010	640.49	23.14	617.35	-	-	617.35
	08/09/2010	640.49	22.98	617.51	-	-	617.51
	09/16/2010	640.49	22.22	618.27	-	-	618.27
	10/13/2010	640.49	24.16	616.33	-	-	616.33
	11/16/2010	640.49	24.06	616.43	-	-	616.43
	12/16/2010	640.49	NR	-	NR	-	-
	01/13/2011	640.49	NR	-	NR	-	-
	03/14/2011	640.49	NR	-	NR	-	-
	04/12/2011	640.49	NR	-	NR	-	-
2140-DPE07	01/08/2003	638.00	26.97	611.03	-	-	611.03
	09/08/2004	638.00	26.40	611.60	-	-	611.60
	09/22/2004	638.00	26.31	611.69	-	-	611.69
	10/08/2004	638.00	27.69	610.31	-	-	610.31
	10/29/2004	638.00	26.78	611.22	-	-	611.22
	11/04/2004	638.00	26.85	611.15	-	-	611.15
	11/08/2004	638.00	NR	-	NR	-	-
	12/01/2004	638.00	26.93	611.07	-	-	611.07
	12/15/2004	638.00	26.41	611.59	-	-	611.59
	01/05/2005	638.00	25.73	612.27	-	-	612.27
	01/14/2005	638.00	25.86	612.14	-	-	612.14
	02/03/2005	638.00	25.65	612.35	-	-	612.35
	02/15/2005	638.00	25.92	612.08	-	-	612.08
	03/08/2005	638.00	25.70	612.30	-	-	612.30
	03/22/2005	638.00	26.09	611.91	-	-	611.91
	04/11/2005	638.00	25.64	612.36	-	-	612.36
	04/25/2005	638.00	25.50	612.50	-	-	612.50
	05/03/2005	638.00	25.60	612.40	-	-	612.40
	05/25/2005	638.00	NR	-	NR	-	-
	06/02/2005	638.00	NR	-	NR	-	-
	06/20/2005	638.00	NR	-	NR	-	-
	06/29/2005	638.00	NR	-	NR	-	-
	07/07/2005	638.00	NR	-	NR	-	-
	07/27/2005	638.00	26.59	611.41	-	-	611.41

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/05/2005	638.00	26.33	611.67	-	-	611.67
	08/15/2005	638.00	NR	-	NR	-	-
	09/06/2005	638.00	26.35	611.65	-	-	611.65
	09/23/2005	638.00	26.83	611.17	-	-	611.17
	10/07/2005	638.00	NR	-	NR	-	-
	10/25/2005	638.00	NR	-	NR	-	-
	12/13/2005	638.00	25.84	612.16	-	-	612.16
	01/06/2006	638.00	NR	-	NR	-	-
	02/09/2006	638.00	23.80	614.20	-	-	614.20
	02/22/2006	638.00	23.84	614.16	-	-	614.16
	03/16/2006	638.00	NR	-	NR	-	-
	04/12/2006	638.00	NR	-	NR	-	-
	05/17/2006	638.00	24.73	613.27	-	-	613.27
	06/15/2006	638.00	NR	-	NR	-	-
	07/10/2006	638.00	25.30	612.70	-	-	612.70
	08/18/2006	638.00	25.94	612.06	-	-	612.06
	10/24/2006	638.00	NR	-	NR	-	-
	01/04/2007	638.00	NR	-	NR	-	-
	02/01/2007	638.00	24.12	613.88	-	-	613.88
	05/07/2007	638.00	25.51	612.49	-	-	612.49
	05/30/2007	638.00	NR	-	NR	-	-
	07/30/2007	638.00	25.82	612.18	-	-	612.18
	10/07/2007	638.00	25.61	612.39	-	-	612.39
	01/07/2008	638.00	25.03	612.97	-	-	612.97
	02/26/2008	638.00	23.85	614.15	-	-	614.15
	07/01/2008	638.00	26.15	611.85	-	-	611.85
2140-DPE08	01/08/2003	638.54	27.66	610.88	-	-	610.88
	09/08/2004	638.54	27.76	610.78	-	-	610.78
	09/22/2004	638.54	27.65	610.89	-	-	610.89
	10/08/2004	638.54	27.99	610.55	-	-	610.55
	10/29/2004	638.54	28.08	610.46	-	-	610.46
	11/04/2004	638.54	28.13	610.41	-	-	610.41
	11/08/2004	638.54	NR	-	NR	-	-
	12/01/2004	638.54	28.15	610.39	-	-	610.39
	12/15/2004	638.54	27.60	610.94	-	-	610.94
	01/05/2005	638.54	27.16	611.38	-	-	611.38
	01/14/2005	638.54	27.80	610.74	-	-	610.74
	02/03/2005	638.54	27.01	611.53	-	-	611.53
	02/15/2005	638.54	27.29	611.25	-	-	611.25
	03/08/2005	638.54	27.06	611.48	-	-	611.48
	03/22/2005	638.54	27.42	611.12	-	-	611.12
	04/11/2005	638.54	26.85	611.69	-	-	611.69
	04/25/2005	638.54	26.80	611.74	-	-	611.74
	05/03/2005	638.54	26.95	611.59	-	-	611.59
	05/25/2005	638.54	NR	-	NR	-	-
	06/02/2005	638.54	NR	-	NR	-	-
	06/20/2005	638.54	NR	-	NR	-	-
	06/29/2005	638.54	NR	-	NR	-	-
	07/07/2005	638.54	NR	-	NR	-	-

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	07/27/2005	638.54	28.05	610.49	-	-	610.49
	08/05/2005	638.54	27.50	611.04	-	-	611.04
	08/15/2005	638.54	NR	-	NR	-	-
	09/06/2005	638.54	27.42	611.12	-	-	611.12
	09/23/2005	638.54	27.33	611.21	-	-	611.21
	10/07/2005	638.54	NR	-	NR	-	-
	10/25/2005	638.54	NR	-	NR	-	-
	12/13/2005	638.54	25.74	612.80	-	-	612.80
	01/06/2006	638.54	NR	-	NR	-	-
	02/09/2006	638.54	25.31	613.23	-	-	613.23
	02/22/2006	638.54	25.32	613.22	-	-	613.22
	03/16/2006	638.54	NR	-	NR	-	-
	04/12/2006	638.54	NR	-	NR	-	-
	05/17/2006	638.54	26.08	612.46	-	-	612.46
	06/15/2006	638.54	NR	-	NR	-	-
	07/10/2006	638.54	26.54	612.00	-	-	612.00
	08/18/2006	638.54	27.02	611.52	-	-	611.52
	10/24/2006	638.54	NR	-	NR	-	-
	01/04/2007	638.54	NR	-	NR	-	-
	02/01/2007	638.54	25.54	613.00	-	-	613.00
	05/07/2007	638.54	26.03	612.51	-	-	612.51
	05/30/2007	638.54	NR	-	NR	-	-
	07/30/2007	638.54	26.68	611.86	-	-	611.86
	10/07/2007	638.54	26.97	611.57	-	-	611.57
	01/07/2008	638.54	26.54	612.00	-	-	612.00
	02/26/2008	638.54	25.39	613.15	-	-	613.15
	07/01/2008	638.54	25.90	612.64	-	-	612.64
	09/18/2008	638.54	26.09	612.45	-	-	612.45
	10/23/2008	638.54	26.22	612.32	-	-	612.32
	12/30/2008	638.54	24.16	614.38	-	-	614.38
	01/28/2009	638.54	15.29	623.25	-	-	623.25
	02/24/2009	638.54	16.11	622.43	-	-	622.43
	03/27/2009	638.54	15.55	622.99	-	-	622.99
	04/28/2009	638.54	16.21	622.33	-	-	622.33
	05/20/2009	638.54	15.11	623.43	-	-	623.43
	06/25/2009	638.54	14.17	624.37	-	-	624.37
	07/20/2009	638.54	14.47	624.07	-	-	624.07
	08/25/2009	638.54	18.85	619.69	-	-	619.69
	09/16/2009	638.54	17.91	620.63	-	-	620.63
	10/13/2009	646.30	19.09	627.21	-	-	627.21
	11/10/2009	646.30	16.62	629.68	-	-	629.68
	12/14/2009	646.30	17.03	629.27	-	-	629.27
	01/11/2010	646.30	26.58	619.72	-	-	619.72
	02/10/2010	646.30	26.23	620.07	-	-	620.07
	03/10/2010	646.30	26.62	619.68	-	-	619.68
	04/14/2010	646.30	26.16	620.14	-	-	620.14
	05/12/2010	638.54	26.43	612.11	-	-	612.11
	06/17/2010	638.54	21.64	616.90	-	-	616.90
	07/14/2010	638.54	21.52	617.02	-	-	617.02
	08/09/2010	638.54	22.34	616.20	-	-	616.20

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/16/2010	638.54	21.84	616.70	-	-	616.70
	10/13/2010	638.54	25.94	612.60	-	-	612.60
	11/16/2010	638.54	25.89	612.65	-	-	612.65
	12/16/2010	638.54	NR	-	NR	-	-
	01/13/2011	638.54	NR	-	NR	-	-
	03/14/2011	638.54	NR	-	NR	-	-
	04/12/2011	638.54	NR	-	NR	-	-
2140-DPE09	01/08/2003	633.87	24.94	608.93	-	-	608.93
	09/08/2004	633.87	29.00	604.87	-	-	604.87
	09/22/2004	633.87	29.00	604.87	-	-	604.87
	10/08/2004	633.87	29.00	604.87	-	-	604.87
	10/29/2004	633.87	29.00	604.87	-	-	604.87
	11/04/2004	633.87	29.00	604.87	-	-	604.87
	11/08/2004	633.87	29.00	604.87	-	-	604.87
	12/01/2004	633.87	29.00	604.87	-	-	604.87
	12/15/2004	633.87	29.00	604.87	-	-	604.87
	01/05/2005	633.87	29.00	604.87	-	-	604.87
	01/14/2005	633.87	29.00	604.87	-	-	604.87
	02/03/2005	633.87	28.00	605.87	-	-	605.87
	02/15/2005	633.87	28.00	605.87	-	-	605.87
	03/08/2005	633.87	29.00	604.87	-	-	604.87
	03/22/2005	633.87	29.00	604.87	-	-	604.87
	04/11/2005	633.87	29.00	604.87	-	-	604.87
	04/25/2005	633.87	23.87	610.00	-	-	610.00
	05/03/2005	633.87	29.00	604.87	-	-	604.87
	05/25/2005	633.87	NR	-	NR	-	-
	06/02/2005	633.87	NR	-	NR	-	-
	06/20/2005	633.87	NR	-	NR	-	-
	06/29/2005	633.87	NR	-	NR	-	-
	07/07/2005	633.87	NR	-	NR	-	-
	07/27/2005	633.87	25.26	608.61	-	-	608.61
	08/05/2005	633.87	25.31	608.56	-	-	608.56
	08/15/2005	633.87	NR	-	NR	-	-
	09/06/2005	633.87	25.28	608.59	-	-	608.59
	09/23/2005	633.87	25.09	608.78	-	-	608.78
	10/07/2005	633.87	NR	-	NR	-	-
	10/25/2005	633.87	NR	-	NR	-	-
	12/13/2005	633.87	23.01	610.86	-	-	610.86
	01/06/2006	633.87	NR	-	NR	-	-
	02/09/2006	633.87	22.83	611.04	-	-	611.04
	02/22/2006	633.87	22.88	610.99	-	-	610.99
	03/16/2006	633.87	NR	-	NR	-	-
	04/12/2006	633.87	NR	-	NR	-	-
	05/17/2006	633.87	23.95	609.92	-	-	609.92
	06/15/2006	633.87	NR	-	NR	-	-
	07/10/2006	633.87	24.58	609.29	-	-	609.29
	08/18/2006	633.87	25.38	608.49	-	-	608.49
	10/24/2006	633.87	NR	-	NR	-	-
	01/04/2007	633.87	NR	-	NR	-	-

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	02/01/2007	633.87	24.63	609.24	-	-	609.24
	05/07/2007	633.87	23.14	610.73	-	-	610.73
	05/30/2007	633.87	NR	-	NR	-	-
	07/30/2007	633.87	25.07	608.80	-	-	608.80
	10/07/2007	633.87	NR	-	NR	-	-
	01/07/2008	633.87	NR	-	NR	-	-
	02/26/2008	633.87	NR	-	NR	-	-
	07/01/2008	633.87	24.10	609.77	-	-	609.77
	09/18/2008	633.87	24.18	609.69	-	-	609.69
	10/23/2008	633.87	23.85	610.02	-	-	610.02
	12/30/2008	633.87	23.68	610.19	-	-	610.19
	01/28/2009	633.87	22.54	611.33	-	-	611.33
	02/24/2009	633.87	22.73	611.14	-	-	611.14
	03/27/2009	633.87	19.37	614.50	-	-	614.50
	04/28/2009	633.87	18.42	615.45	-	-	615.45
	05/20/2009	633.87	16.92	616.95	-	-	616.95
	06/25/2009	633.87	15.78	618.09	-	-	618.09
	07/20/2009	633.87	18.22	615.65	-	-	615.65
	08/25/2009	633.87	24.36	609.51	-	-	609.51
	09/16/2009	633.87	22.38	611.49	-	-	611.49
	10/13/2009	646.30	23.28	623.02	-	-	623.02
	11/10/2009	646.30	22.09	624.21	-	-	624.21
	12/14/2009	646.30	22.31	623.99	-	-	623.99
	01/11/2010	646.30	24.83	621.47	-	-	621.47
	02/10/2010	646.30	24.29	622.01	-	-	622.01
	03/10/2010	646.30	24.71	621.59	-	-	621.59
	04/14/2010	646.30	24.14	622.16	-	-	622.16
	05/12/2010	633.87	24.51	609.36	-	-	609.36
	06/17/2010	633.87	24.33	609.54	-	-	609.54
	07/14/2010	633.87	24.49	609.38	-	-	609.38
	08/09/2010	633.87	24.11	609.76	-	-	609.76
	09/16/2010	633.87	24.49	609.38	-	-	609.38
	10/13/2010	633.87	23.96	609.91	-	-	609.91
	11/16/2010	633.87	24.18	609.69	-	-	609.69
	12/16/2010	633.87	NR	-	NR	-	-
	01/13/2011	633.87	NR	-	NR	-	-
	03/14/2011	633.87	NR	-	NR	-	-
	04/12/2011	633.87	NR	-	NR	-	-
2140-DPE10	01/08/2003	633.50	24.62	608.88	-	-	608.88
	09/08/2004	633.50	27.00	606.50	-	-	606.50
	09/22/2004	633.50	27.00	606.50	-	-	606.50
	10/08/2004	633.50	27.00	606.50	-	-	606.50
	10/29/2004	633.50	27.00	606.50	-	-	606.50
	11/04/2004	633.50	27.00	606.50	-	-	606.50
	11/08/2004	633.50	27.00	606.50	-	-	606.50
	12/01/2004	633.50	27.00	606.50	-	-	606.50
	12/15/2004	633.50	27.00	606.50	-	-	606.50
	01/05/2005	633.50	27.00	606.50	-	-	606.50
	01/14/2005	633.50	27.00	606.50	-	-	606.50

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	02/03/2005	633.50	27.00	606.50	-	-	606.50
	02/15/2005	633.50	27.00	606.50	-	-	606.50
	03/08/2005	633.50	27.00	606.50	-	-	606.50
	03/22/2005	633.50	27.00	606.50	-	-	606.50
	04/11/2005	633.50	27.00	606.50	-	-	606.50
	04/25/2005	633.50	24.70	608.80	-	-	608.80
	05/03/2005	633.50	27.00	606.50	-	-	606.50
	05/25/2005	633.50	NR	-	NR	-	-
	06/02/2005	633.50	NR	-	NR	-	-
	06/20/2005	633.50	NR	-	NR	-	-
	06/29/2005	633.50	NR	-	NR	-	-
	07/07/2005	633.50	NR	-	NR	-	-
	07/27/2005	633.50	25.23	608.27	-	-	608.27
	08/05/2005	633.50	24.64	608.86	-	-	608.86
	08/15/2005	633.50	NR	-	NR	-	-
	09/06/2005	633.50	24.63	608.87	-	-	608.87
	09/23/2005	633.50	24.78	608.72	-	-	608.72
	10/07/2005	633.50	NR	-	NR	-	-
	10/25/2005	633.50	NR	-	NR	-	-
	12/13/2005	633.50	22.65	610.85	-	-	610.85
	01/06/2006	633.50	NR	-	NR	-	-
	02/09/2006	633.50	22.44	611.06	-	-	611.06
	02/22/2006	633.50	22.49	611.01	-	-	611.01
	03/16/2006	633.50	NR	-	NR	-	-
	04/12/2006	633.50	NR	-	NR	-	-
	05/17/2006	633.50	23.55	609.95	-	-	609.95
	06/15/2006	633.50	NR	-	NR	-	-
	07/10/2006	633.50	23.97	609.53	-	-	609.53
	08/18/2006	633.50	24.73	608.77	-	-	608.77
	10/24/2006	633.50	NR	-	NR	-	-
	01/04/2007	633.50	NR	-	NR	-	-
	02/01/2007	633.50	23.16	610.34	-	-	610.34
	05/07/2007	633.50	22.85	610.65	-	-	610.65
	05/30/2007	633.50	NR	-	NR	-	-
	07/30/2007	633.50	24.42	609.08	-	-	609.08
	10/07/2007	633.50	NR	-	NR	-	-
	01/07/2008	633.50	NR	-	NR	-	-
	02/26/2008	633.50	NR	-	NR	-	-
	07/01/2008	633.50	23.75	609.75	-	-	609.75
	09/18/2008	633.50	24.65	608.85	-	-	608.85
	10/23/2008	633.50	24.62	608.88	-	-	608.88
	12/30/2008	633.50	24.61	608.89	-	-	608.89
	01/28/2009	633.50	24.95	608.55	-	-	608.55
	02/24/2009	633.50	25.45	608.05	-	-	608.05
	03/27/2009	633.50	16.33	617.17	-	-	617.17
	04/28/2009	633.50	17.42	616.08	-	-	616.08
	05/20/2009	633.50	17.31	616.19	-	-	616.19
	06/25/2009	633.50	16.73	616.77	-	-	616.77
	07/20/2009	633.50	18.27	615.23	-	-	615.23
	08/25/2009	633.50	22.65	610.85	-	-	610.85



**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/16/2009	633.50	12.21	621.29	-	-	621.29
	10/13/2009	646.30	22.32	623.98	-	-	623.98
	11/10/2009	646.30	21.08	625.22	-	-	625.22
	12/14/2009	646.30	21.42	624.88	-	-	624.88
	01/11/2010	646.30	24.21	622.09	-	-	622.09
	02/10/2010	646.30	23.76	622.54	-	-	622.54
	03/10/2010	646.30	24.19	622.11	-	-	622.11
	04/14/2010	646.30	23.69	622.61	-	-	622.61
	05/12/2010	633.50	24.03	609.47	-	-	609.47
	06/17/2010	633.50	23.25	610.25	-	-	610.25
	07/14/2010	633.50	23.48	610.02	-	-	610.02
	08/09/2010	633.50	22.79	610.71	-	-	610.71
	09/16/2010	633.50	23.58	609.92	-	-	609.92
	10/13/2010	633.50	23.49	610.01	-	-	610.01
	11/16/2010	633.50	23.64	609.86	-	-	609.86
	12/16/2010	633.50	NR	-	NR	-	-
	01/13/2011	633.50	NR	-	NR	-	-
	03/14/2011	633.50	NR	-	NR	-	-
	04/12/2011	633.50	NR	-	NR	-	-
2140-EX01	01/08/2003	646.34	NR	-	NR	-	-
	09/08/2004	646.33	27.12	619.21	-	-	619.21
	09/22/2004	646.33	27.01	619.32	-	-	619.32
	10/08/2004	646.33	27.46	618.87	-	-	618.87
	10/29/2004	646.33	27.60	618.73	-	-	618.73
	11/04/2004	646.33	27.70	618.63	-	-	618.63
	11/08/2004	646.33	27.61	618.72	-	-	618.72
	12/01/2004	646.33	27.82	618.51	-	-	618.51
	12/15/2004	646.33	27.26	619.07	-	-	619.07
	01/05/2005	646.33	26.77	619.56	-	-	619.56
	01/14/2005	646.33	NR	-	NR	-	-
	02/03/2005	646.33	NR	-	NR	-	-
	02/15/2005	646.33	NR	-	NR	-	-
	03/08/2005	646.33	NR	-	NR	-	-
	03/22/2005	646.33	27.19	619.14	-	-	619.14
	04/11/2005	646.33	26.70	619.63	-	-	619.63
	04/25/2005	646.33	25.94	620.39	-	-	620.39
	05/03/2005	646.33	25.61	620.72	-	-	620.72
	05/25/2005	646.33	26.98	619.35	-	-	619.35
	06/02/2005	646.33	NR	-	NR	-	-
	06/20/2005	646.33	27.15	619.18	-	-	619.18
	06/29/2005	646.33	27.25	619.08	-	-	619.08
	07/07/2005	646.33	27.38	618.95	-	-	618.95
	07/27/2005	646.33	26.50	619.83	-	-	619.83
	08/05/2005	646.33	26.45	619.88	-	-	619.88
	08/15/2005	646.33	27.60	618.73	-	-	618.73
	09/06/2005	646.33	26.30	620.03	-	-	620.03
	09/23/2005	646.33	26.23	620.10	-	-	620.10
	10/07/2005	646.33	26.90	619.43	-	-	619.43
	10/25/2005	646.33	26.54	619.79	-	-	619.79
	12/13/2005	646.33	NR	-	NR	-	-

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	01/06/2006	646.33	NR	-	NR	-	-
	02/09/2006	646.33	NR	-	NR	-	-
	02/22/2006	646.33	NR	-	NR	-	-
	03/16/2006	646.33	23.75	622.58	-	-	622.58
	04/12/2006	646.33	23.80	622.53	-	-	622.53
	05/17/2006	646.33	24.35	621.98	-	-	621.98
	06/15/2006	646.33	24.42	621.91	-	-	621.91
	07/10/2006	646.33	24.71	621.62	-	-	621.62
	08/18/2006	646.33	25.29	621.04	-	-	621.04
	10/24/2006	646.33	25.43	620.90	-	-	620.90
	01/04/2007	646.33	23.62	622.71	-	-	622.71
	02/01/2007	646.33	23.63	622.70	-	-	622.70
	05/07/2007	646.33	23.38	622.95	-	-	622.95
	05/30/2007	646.33	22.13	624.20	-	-	624.20
	07/30/2007	646.33	24.83	621.50	-	-	621.50
	10/07/2007	646.33	25.77	620.56	-	-	620.56
	01/07/2008	646.33	25.65	620.68	-	-	620.68
	02/26/2008	646.33	NR	-	NR	-	-
2140-EX02	01/08/2003	642.31	27.19	615.12	-	-	615.12
	09/08/2004	642.05	27.62	614.43	-	-	614.43
	09/22/2004	642.05	27.67	614.38	-	-	614.38
	10/08/2004	642.05	28.03	614.02	-	-	614.02
	10/29/2004	642.05	28.01	614.04	-	-	614.04
	11/04/2004	642.05	28.17	613.88	-	-	613.88
	11/08/2004	642.05	27.93	614.12	-	-	614.12
	12/01/2004	642.05	28.30	613.75	-	-	613.75
	12/15/2004	642.05	27.61	614.44	-	-	614.44
	01/05/2005	642.05	27.77	614.28	-	-	614.28
	01/14/2005	642.05	27.17	614.88	-	-	614.88
	02/03/2005	642.05	26.78	615.27	-	-	615.27
	02/15/2005	642.05	27.35	614.70	-	-	614.70
	03/08/2005	642.05	27.13	614.92	-	-	614.92
	03/22/2005	642.05	27.01	615.04	-	-	615.04
	04/11/2005	642.05	26.95	615.10	-	-	615.10
	04/25/2005	642.05	26.44	615.61	-	-	615.61
	05/03/2005	642.05	26.82	615.23	-	-	615.23
	05/25/2005	642.05	27.39	614.66	-	-	614.66
	06/02/2005	642.05	27.35	614.70	-	-	614.70
	06/20/2005	642.05	27.59	614.46	-	-	614.46
	06/29/2005	642.05	27.58	614.47	-	-	614.47
	07/07/2005	642.05	26.69	615.36	-	-	615.36
	07/27/2005	642.05	27.18	614.87	-	-	614.87
	08/05/2005	642.05	27.12	614.93	-	-	614.93
	08/15/2005	642.05	28.02	614.03	-	-	614.03
	09/06/2005	642.05	27.08	614.97	-	-	614.97
	09/23/2005	642.05	27.04	615.01	-	-	615.01
	10/07/2005	642.05	27.42	614.63	-	-	614.63
	10/25/2005	642.05	26.13	615.92	-	-	615.92
	12/13/2005	642.05	25.45	616.60	-	-	616.60

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	01/06/2006	642.05	25.67	616.38	-	-	616.38
	02/09/2006	642.05	24.31	617.74	-	-	617.74
	02/22/2006	642.05	24.25	617.80	-	-	617.80
	03/16/2006	642.05	24.74	617.31	-	-	617.31
	04/12/2006	642.05	25.05	617.00	-	-	617.00
	05/17/2006	642.05	24.46	617.59	-	-	617.59
	06/15/2006	642.05	24.42	617.63	-	-	617.63
	07/10/2006	642.05	25.99	616.06	-	-	616.06
	08/18/2006	642.05	26.64	615.41	-	-	615.41
	10/24/2006	642.05	26.03	616.02	-	-	616.02
	01/04/2007	642.05	24.58	617.47	-	-	617.47
	02/01/2007	642.05	24.86	617.19	-	-	617.19
	05/07/2007	642.05	25.36	616.69	-	-	616.69
	05/30/2007	642.05	23.06	618.99	-	-	618.99
	07/30/2007	642.05	26.42	615.63	-	-	615.63
	10/07/2007	642.05	27.66	614.39	-	-	614.39
	01/07/2008	642.05	26.48	615.57	-	-	615.57
	02/26/2008	642.05	25.13	616.92	-	-	616.92
2140-EX04	01/08/2003	641.50	27.18	614.32	-	-	614.32
	09/08/2004	641.61	27.28	614.33	-	-	614.33
	09/22/2004	641.61	27.27	614.34	-	-	614.34
	10/08/2004	641.61	27.46	614.15	-	-	614.15
	10/29/2004	641.61	27.78	613.83	-	-	613.83
	11/04/2004	641.61	27.71	613.90	-	-	613.90
	11/08/2004	641.61	27.58	614.03	-	-	614.03
	12/01/2004	641.61	27.71	613.90	-	-	613.90
	12/15/2004	641.61	27.26	614.35	-	-	614.35
	01/05/2005	641.61	26.04	615.57	-	-	615.57
	01/14/2005	641.61	26.49	615.12	-	-	615.12
	02/03/2005	641.61	25.92	615.69	-	-	615.69
	02/15/2005	641.61	26.34	615.27	-	-	615.27
	03/08/2005	641.61	25.94	615.67	-	-	615.67
	03/22/2005	641.61	26.70	614.91	-	-	614.91
	04/11/2005	641.61	26.09	615.52	-	-	615.52
	04/25/2005	641.61	25.51	616.10	-	-	616.10
	05/03/2005	641.61	25.89	615.72	-	-	615.72
	05/25/2005	641.61	26.39	615.22	-	-	615.22
	06/02/2005	641.61	26.43	615.18	-	-	615.18
	06/20/2005	641.61	26.53	615.08	-	-	615.08
	06/29/2005	641.61	26.85	614.76	-	-	614.76
	07/07/2005	641.61	27.12	614.49	-	-	614.49
	07/27/2005	641.61	26.34	615.27	-	-	615.27
	08/05/2005	641.61	26.19	615.42	-	-	615.42
	08/15/2005	641.61	27.04	614.57	-	-	614.57
	09/06/2005	641.61	26.00	615.61	-	-	615.61
	09/23/2005	641.61	25.90	615.71	-	-	615.71
	10/07/2005	641.61	26.09	615.52	-	-	615.52
	10/25/2005	641.61	25.05	616.56	-	-	616.56
	12/13/2005	641.61	23.08	618.53	-	-	618.53

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	01/06/2006	641.61	24.22	617.39	-	-	617.39
	02/09/2006	641.61	22.92	618.69	-	-	618.69
	02/22/2006	641.61	22.91	618.70	-	-	618.70
	03/16/2006	641.61	23.48	618.13	-	-	618.13
	04/12/2006	641.61	23.93	617.68	-	-	617.68
	05/17/2006	641.61	24.71	616.90	-	-	616.90
	06/15/2006	641.61	24.45	617.16	-	-	617.16
	07/10/2006	641.61	25.27	616.34	-	-	616.34
	08/18/2006	641.61	25.86	615.75	-	-	615.75
	10/24/2006	641.61	26.85	614.76	-	-	614.76
	01/04/2007	641.61	23.41	618.20	-	-	618.20
	02/01/2007	641.61	23.81	617.80	-	-	617.80
	05/07/2007	641.61	24.62	616.99	-	-	616.99
	05/30/2007	641.61	21.08	620.53	-	-	620.53
	07/30/2007	641.61	25.50	616.11	-	-	616.11
	10/07/2007	641.61	25.68	615.93	-	-	615.93
	01/07/2008	641.61	25.34	616.27	-	-	616.27
	02/26/2008	641.61	23.76	617.85	-	-	617.85
2140-MW01	01/08/2003	650.67	NR	-	NR	-	-
	09/08/2004	650.67	24.99	625.68	-	-	625.68
	09/15/2004	650.67	24.51	626.16	-	-	626.16
	09/22/2004	650.67	24.72	625.95	-	-	625.95
	10/08/2004	650.67	25.27	625.40	-	-	625.40
	10/29/2004	650.67	25.42	625.25	-	-	625.25
	11/04/2004	650.67	25.41	625.26	-	-	625.26
	11/08/2004	650.67	25.43	625.24	-	-	625.24
	12/01/2004	650.67	25.58	625.09	-	-	625.09
	12/15/2004	650.67	25.10	625.57	-	-	625.57
	01/05/2005	650.67	24.68	625.99	-	-	625.99
	01/14/2005	650.67	24.68	625.99	-	-	625.99
	02/03/2005	650.67	24.50	626.17	-	-	626.17
	02/15/2005	650.67	24.62	626.05	-	-	626.05
	03/08/2005	650.67	25.01	625.66	-	-	625.66
	03/22/2005	650.67	25.22	625.45	-	-	625.45
	04/11/2005	650.67	24.44	626.23	-	-	626.23
	04/18/2005	650.67	24.55	626.12	-	-	626.12
	04/25/2005	650.67	24.45	626.22	-	-	626.22
	05/03/2005	650.67	24.38	626.29	-	-	626.29
	05/25/2005	650.67	24.92	625.75	-	-	625.75
	06/02/2005	650.67	25.19	625.48	-	-	625.48
	06/20/2005	650.67	24.99	625.68	-	-	625.68
	06/29/2005	650.67	25.49	625.18	-	-	625.18
	07/07/2005	650.67	25.68	624.99	-	-	624.99
	07/27/2005	650.67	25.23	625.44	-	-	625.44
	08/05/2005	650.67	25.29	625.38	-	-	625.38
	08/15/2005	650.67	25.70	624.97	-	-	624.97
	09/06/2005	650.67	24.88	625.79	-	-	625.79
	09/23/2005	650.67	24.69	625.98	-	-	625.98
	10/07/2005	650.67	24.42	626.25	-	-	626.25

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	10/25/2005	650.67	23.68	626.99	-	-	626.99
	12/13/2005	650.67	22.70	627.97	-	-	627.97
	01/06/2006	650.67	23.23	627.44	-	-	627.44
	02/09/2006	650.67	22.37	628.30	-	-	628.30
	02/22/2006	650.67	22.32	628.35	-	-	628.35
	03/16/2006	650.67	22.10	628.57	-	-	628.57
	04/12/2006	650.67	22.56	628.11	-	-	628.11
	04/27/2006	650.67	22.70	627.97	-	-	627.97
	05/17/2006	650.67	23.14	627.53	-	-	627.53
	06/15/2006	650.67	23.35	627.32	-	-	627.32
	07/10/2006	650.67	23.52	627.15	-	-	627.15
	08/18/2006	650.67	24.13	626.54	-	-	626.54
	10/03/2006	650.67	24.15	626.52	-	-	626.52
	10/24/2006	650.67	24.29	626.38	-	-	626.38
	01/04/2007	650.67	22.88	627.79	-	-	627.79
	02/01/2007	650.67	22.80	627.87	-	-	627.87
	05/07/2007	650.67	22.17	628.50	-	-	628.50
	05/30/2007	650.67	22.69	627.98	-	-	627.98
	07/30/2007	650.67	23.71	626.96	-	-	626.96
	10/07/2007	650.67	25.16	625.51	-	-	625.51
	01/07/2008	650.67	24.99	625.68	-	-	625.68
	02/26/2008	650.67	23.55	627.12	-	-	627.12
	05/23/2007	650.67	22.61	628.06	-	-	628.06
2140-MW02	01/08/2003	647.09	26.13	620.96	-	-	620.96
	09/08/2004	647.15	25.92	621.23	-	-	621.23
	09/22/2004	647.15	NR	-	NR	-	-
	10/08/2004	647.15	26.20	620.95	-	-	620.95
	10/29/2004	647.15	26.32	620.83	-	-	620.83
	11/04/2004	647.15	26.46	620.69	-	-	620.69
	11/08/2004	647.15	26.36	620.79	-	-	620.79
	12/01/2004	647.15	26.68	620.47	-	-	620.47
	12/15/2004	647.15	26.11	621.04	-	-	621.04
	01/05/2005	647.15	NR	-	NR	-	-
	01/14/2005	647.15	25.61	621.54	-	-	621.54
	02/03/2005	647.15	NR	-	NR	-	-
	02/15/2005	647.15	NR	-	NR	-	-
	03/08/2005	647.15	NR	-	NR	-	-
	03/22/2005	647.15	26.02	621.13	-	-	621.13
	04/11/2005	647.15	25.49	621.66	-	-	621.66
	04/25/2005	647.15	25.14	622.01	-	-	622.01
	05/03/2005	647.15	25.35	621.80	-	-	621.80
	05/25/2005	647.15	25.76	621.39	-	-	621.39
	06/02/2005	647.15	26.02	621.13	-	-	621.13
	06/20/2005	647.15	26.11	621.04	-	-	621.04
	06/29/2005	647.15	26.23	620.92	-	-	620.92
	07/07/2005	647.15	26.33	620.82	-	-	620.82
	07/27/2005	647.15	25.74	621.41	-	-	621.41
	08/05/2005	647.15	25.73	621.42	-	-	621.42
	08/15/2005	647.15	26.48	620.67	-	-	620.67

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	09/06/2005	647.15	25.59	621.56	-	-	621.56
	09/23/2005	647.15	25.45	621.70	-	-	621.70
	10/07/2005	647.15	25.71	621.44	-	-	621.44
	10/25/2005	647.15	25.03	622.12	-	-	622.12
	12/13/2005	647.15	23.22	623.93	-	-	623.93
	01/06/2006	647.15	23.86	623.29	-	-	623.29
	02/09/2006	647.15	NR	-	NR	-	-
	02/22/2006	647.15	NR	-	NR	-	-
	03/16/2006	647.15	22.63	624.52	-	-	624.52
	04/12/2006	647.15	22.99	624.16	-	-	624.16
	05/17/2006	647.15	23.46	623.69	-	-	623.69
	06/15/2006	647.15	23.61	623.54	-	-	623.54
	07/10/2006	647.15	23.91	623.24	-	-	623.24
	08/18/2006	647.15	24.51	622.64	-	-	622.64
	10/24/2006	647.15	24.73	622.42	-	-	622.42
	01/04/2007	647.15	23.06	624.09	-	-	624.09
	02/01/2007	647.15	22.75	624.40	-	-	624.40
	05/07/2007	647.15	22.54	624.61	-	-	624.61
	05/30/2007	647.15	22.29	624.86	-	-	624.86
	07/30/2007	647.15	23.99	623.16	-	-	623.16
	10/07/2007	647.15	25.21	621.94	-	-	621.94
	01/07/2008	647.15	25.18	621.97	-	-	621.97
	02/26/2008	647.15	NR	-	NR	-	-
	07/01/2008	647.15	26.10	621.05	-	-	621.05
2140-MW03	01/08/2003	648.44	29.26	619.18	-	-	619.18
	09/08/2004	648.09	29.87	618.22	-	-	618.22
	09/22/2004	648.09	29.83	618.26	-	-	618.26
	10/08/2004	648.09	30.26	617.83	-	-	617.83
	10/29/2004	648.09	30.37	617.72	-	-	617.72
	11/04/2004	648.09	30.46	617.63	-	-	617.63
	11/08/2004	648.09	30.21	617.88	-	-	617.88
	12/01/2004	648.09	30.56	617.53	-	-	617.53
	12/15/2004	648.09	29.99	618.10	-	-	618.10
	01/05/2005	648.09	29.55	618.54	-	-	618.54
	01/14/2005	648.09	29.61	618.48	-	-	618.48
	02/03/2005	648.09	29.22	618.87	-	-	618.87
	02/15/2005	648.09	29.70	618.39	-	-	618.39
	03/08/2005	648.09	29.40	618.69	-	-	618.69
	03/22/2005	648.09	29.96	618.13	-	-	618.13
	04/11/2005	648.09	29.48	618.61	-	-	618.61
	04/25/2005	648.09	28.77	619.32	-	-	619.32
	05/03/2005	648.09	29.30	618.79	-	-	618.79
	05/25/2005	648.09	29.74	618.35	-	-	618.35
	06/02/2005	648.09	29.86	618.23	-	-	618.23
	06/20/2005	648.09	29.87	618.22	-	-	618.22
	06/29/2005	648.09	29.98	618.11	-	-	618.11
	07/07/2005	648.09	30.08	618.01	-	-	618.01
	07/27/2005	648.09	29.33	618.76	-	-	618.76
	08/05/2005	648.09	29.29	618.80	-	-	618.80

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/15/2005	648.09	30.31	617.78	-	-	617.78
	09/06/2005	648.09	29.15	618.94	-	-	618.94
	09/23/2005	648.09	29.07	619.02	-	-	619.02
	10/07/2005	648.09	29.63	618.46	-	-	618.46
	10/25/2005	648.09	28.83	619.26	-	-	619.26
	12/13/2005	648.09	26.74	621.35	-	-	621.35
	01/06/2006	648.09	27.65	620.44	-	-	620.44
	02/09/2006	648.09	26.38	621.71	-	-	621.71
	02/22/2006	648.09	26.26	621.83	-	-	621.83
	03/16/2006	648.09	26.69	621.40	-	-	621.40
	04/12/2006	648.09	26.64	621.45	-	-	621.45
	05/17/2006	648.09	27.22	620.87	-	-	620.87
	06/15/2006	648.09	27.19	620.90	-	-	620.90
	07/10/2006	648.09	27.60	620.49	-	-	620.49
	08/18/2006	648.09	28.23	619.86	-	-	619.86
	10/24/2006	648.09	28.43	619.66	-	-	619.66
	01/04/2007	648.09	26.43	621.66	-	-	621.66
	02/01/2007	648.09	26.50	621.59	-	-	621.59
	05/07/2007	648.09	26.50	621.59	-	-	621.59
	05/30/2007	648.09	24.62	623.47	-	-	623.47
	07/30/2007	648.09	27.82	620.27	-	-	620.27
	10/07/2007	648.09	28.58	619.51	-	-	619.51
	01/07/2008	648.09	28.50	619.59	-	-	619.59
	02/26/2008	648.09	27.09	621.00	-	-	621.00
	07/01/2008	648.09	27.45	620.64	-	-	620.64
2140-MW04	01/08/2003	645.94	27.90	617.97	-	-	617.97
	09/08/2004	645.94	28.43	617.51	-	-	617.51
	09/22/2004	645.94	28.35	617.59	-	-	617.59
	10/08/2004	645.94	28.78	617.16	-	-	617.16
	10/29/2004	645.94	28.95	616.99	-	-	616.99
	11/04/2004	645.94	29.03	616.91	-	-	616.91
	11/08/2004	645.94	28.82	617.12	-	-	617.12
	12/01/2004	645.94	29.10	616.84	-	-	616.84
	12/15/2004	645.94	28.50	617.44	-	-	617.44
	01/05/2005	645.94	28.05	617.89	-	-	617.89
	01/14/2005	645.94	28.04	617.90	-	-	617.90
	02/03/2005	645.94	27.77	618.17	-	-	618.17
	02/15/2005	645.94	28.23	617.71	-	-	617.71
	03/08/2005	645.94	27.99	617.95	-	-	617.95
	03/22/2005	645.94	28.47	617.47	-	-	617.47
	04/11/2005	645.94	27.96	617.98	-	-	617.98
	04/25/2005	645.94	27.58	618.36	-	-	618.36
	05/03/2005	645.94	27.80	618.14	-	-	618.14
	05/25/2005	645.94	28.24	617.70	-	-	617.70
	06/02/2005	645.94	28.51	617.43	-	-	617.43
	06/20/2005	645.94	28.40	617.54	-	-	617.54
	06/29/2005	645.94	28.56	617.38	-	-	617.38
	07/07/2005	645.94	28.71	617.23	-	-	617.23
	07/27/2005	645.94	28.14	617.80	-	-	617.80

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/05/2005	645.94	28.16	617.78	-	-	617.78
	08/15/2005	645.94	28.88	617.06	-	-	617.06
	09/06/2005	645.94	27.80	618.14	-	-	618.14
	09/23/2005	645.94	27.69	618.25	-	-	618.25
	10/07/2005	645.94	28.02	617.92	-	-	617.92
	10/25/2005	645.94	27.24	618.70	-	-	618.70
	12/13/2005	645.94	25.52	620.42	-	-	620.42
	01/06/2006	645.94	26.56	619.38	-	-	619.38
	02/09/2006	645.94	25.33	620.61	-	-	620.61
	02/22/2006	645.94	25.33	620.61	-	-	620.61
	03/16/2006	645.94	25.69	620.25	-	-	620.25
	04/12/2006	645.94	25.65	620.29	-	-	620.29
	05/17/2006	645.94	26.28	619.66	-	-	619.66
	06/15/2006	645.94	26.02	619.92	-	-	619.92
	07/10/2006	645.94	26.64	619.30	-	-	619.30
	08/18/2006	645.94	27.23	618.71	-	-	618.71
	10/24/2006	645.94	27.13	618.81	-	-	618.81
	01/04/2007	645.94	25.23	620.71	-	-	620.71
	02/01/2007	645.94	25.63	620.31	-	-	620.31
	05/07/2007	645.94	25.48	620.46	-	-	620.46
	05/30/2007	645.94	24.04	621.90	-	-	621.90
	07/30/2007	645.94	26.79	619.15	-	-	619.15
	10/07/2007	645.94	27.51	618.43	-	-	618.43
	01/07/2008	645.94	27.24	618.70	-	-	618.70
	02/26/2008	645.94	25.81	620.13	-	-	620.13
	07/01/2008	645.94	26.35	619.59	-	-	619.59
2140-MW05	01/08/2003	642.60	NR	-	NR	-	-
	09/08/2004	642.60	29.45	613.15	-	-	613.15
	09/22/2004	642.60	29.48	613.12	-	-	613.12
	10/08/2004	642.60	29.74	612.86	-	-	612.86
	10/29/2004	642.60	29.92	612.68	-	-	612.68
	11/04/2004	642.60	29.87	612.73	-	-	612.73
	11/08/2004	642.60	30.41	612.19	-	-	612.19
	12/01/2004	642.60	30.00	612.60	-	-	612.60
	12/15/2004	642.60	29.56	613.04	-	-	613.04
	01/05/2005	642.60	28.99	613.61	-	-	613.61
	01/14/2005	642.60	29.11	613.49	-	-	613.49
	02/03/2005	642.60	28.79	613.81	-	-	613.81
	02/15/2005	642.60	29.24	613.36	-	-	613.36
	03/08/2005	642.60	29.02	613.58	-	-	613.58
	03/22/2005	642.60	29.26	613.34	-	-	613.34
	04/11/2005	642.60	28.90	613.70	-	-	613.70
	04/25/2005	642.60	28.27	614.33	-	-	614.33
	05/03/2005	642.60	28.76	613.84	-	-	613.84
	05/25/2005	642.60	29.11	613.49	-	-	613.49
	06/02/2005	642.60	28.88	613.72	-	-	613.72
	06/20/2005	642.60	29.21	613.39	-	-	613.39
	06/29/2005	642.60	29.23	613.37	-	-	613.37
	07/07/2005	642.60	29.33	613.27	-	-	613.27
	07/27/2005	642.60	28.96	613.64	-	-	613.64



**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/05/2005	642.60	28.93	613.67	-	-	613.67
	08/15/2005	642.60	29.48	613.12	-	-	613.12
	09/06/2005	642.60	28.87	613.73	-	-	613.73
	09/23/2005	642.60	27.79	614.81	-	-	614.81
	10/07/2005	642.60	28.98	613.62	-	-	613.62
	10/25/2005	642.60	28.23	614.37	-	-	614.37
	12/13/2005	642.60	26.62	615.98	-	-	615.98
	01/06/2006	642.60	27.39	615.21	-	-	615.21
	02/09/2006	642.60	26.35	616.25	-	-	616.25
	02/22/2006	642.60	26.31	616.29	-	-	616.29
	03/16/2006	642.60	26.45	616.15	-	-	616.15
	04/12/2006	642.60	26.62	615.98	-	-	615.98
	05/17/2006	642.60	27.36	615.24	-	-	615.24
	06/15/2006	642.60	27.44	615.16	-	-	615.16
	07/10/2006	642.60	27.92	614.68	-	-	614.68
	08/18/2006	642.60	28.58	614.02	-	-	614.02
	10/24/2006	642.60	28.73	613.87	-	-	613.87
	01/04/2007	642.60	26.16	616.44	-	-	616.44
	02/01/2007	642.60	26.72	615.88	-	-	615.88
	05/07/2007	642.60	27.26	615.34	-	-	615.34
	05/30/2007	642.60	26.53	616.07	-	-	616.07
	07/30/2007	642.60	28.29	614.31	-	-	614.31
	10/07/2007	642.60	29.01	613.59	-	-	613.59
	01/07/2008	642.60	28.16	614.44	-	-	614.44
	02/26/2008	642.60	26.78	615.82	-	-	615.82
	07/01/2008	642.60	24.00	618.60	-	-	618.60
2140-MW06	01/08/2003	648.98	30.69	618.29	-	-	618.29
	09/08/2004	649.09	30.67	618.42	-	-	618.42
	09/22/2004	649.09	30.52	618.57	-	-	618.57
	10/08/2004	649.09	30.80	618.29	-	-	618.29
	10/29/2004	649.09	31.25	617.84	-	-	617.84
	11/04/2004	649.09	31.36	617.73	-	-	617.73
	11/08/2004	649.09	30.93	618.16	-	-	618.16
	12/01/2004	649.09	31.35	617.74	-	-	617.74
	12/15/2004	649.09	30.79	618.30	-	-	618.30
	01/05/2005	649.09	30.29	618.80	-	-	618.80
	01/14/2005	649.09	30.58	618.51	-	-	618.51
	02/03/2005	649.09	30.05	619.04	-	-	619.04
	02/15/2005	649.09	30.61	618.48	-	-	618.48
	03/08/2005	649.09	30.28	618.81	-	-	618.81
	03/22/2005	649.09	30.76	618.33	-	-	618.33
	04/11/2005	649.09	30.45	618.64	-	-	618.64
	04/25/2005	649.09	29.68	619.41	-	-	619.41
	05/03/2005	649.09	30.18	618.91	-	-	618.91
	05/25/2005	649.09	30.32	618.77	-	-	618.77
	06/02/2005	649.09	30.79	618.30	-	-	618.30
	06/20/2005	649.09	30.67	618.42	-	-	618.42
	06/29/2005	649.09	30.78	618.31	-	-	618.31
	07/07/2005	649.09	30.97	618.12	-	-	618.12
	07/27/2005	649.09	30.24	618.85	-	-	618.85

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/05/2005	649.09	30.21	618.88	-	-	618.88
	08/15/2005	649.09	31.08	618.01	-	-	618.01
	09/06/2005	649.09	29.93	619.16	-	-	619.16
	09/23/2005	649.09	29.84	619.25	-	-	619.25
	10/07/2005	649.09	30.26	618.83	-	-	618.83
	10/25/2005	649.09	29.67	619.42	-	-	619.42
	12/13/2005	649.09	27.66	621.43	-	-	621.43
	01/06/2006	649.09	28.63	620.46	-	-	620.46
	02/09/2006	649.09	27.32	621.77	-	-	621.77
	02/22/2006	649.09	27.25	621.84	-	-	621.84
	03/16/2006	649.09	27.81	621.28	-	-	621.28
	04/12/2006	649.09	27.81	621.28	-	-	621.28
	05/17/2006	649.09	28.23	620.86	-	-	620.86
	06/15/2006	649.09	27.98	621.11	-	-	621.11
	07/10/2006	649.09	28.59	620.50	-	-	620.50
	08/18/2006	649.09	29.25	619.84	-	-	619.84
	10/24/2006	649.09	29.28	619.81	-	-	619.81
	01/04/2007	649.09	27.33	621.76	-	-	621.76
	02/01/2007	649.09	27.53	621.56	-	-	621.56
	05/07/2007	649.09	27.53	621.56	-	-	621.56
	05/30/2007	649.09	25.81	623.28	-	-	623.28
	07/30/2007	649.09	28.78	620.31	-	-	620.31
	10/07/2007	649.09	29.61	619.48	-	-	619.48
	01/07/2008	649.09	29.44	619.65	-	-	619.65
	02/26/2008	649.09	28.03	621.06	-	-	621.06
	07/01/2008	649.09	26.10	622.99	-	-	622.99
2140-MW07	01/08/2003	648.30	30.70	617.60	-	-	617.60
	09/08/2004	648.37	30.55	617.82	-	-	617.82
	09/22/2004	648.37	30.38	617.99	-	-	617.99
	10/08/2004	648.37	30.77	617.60	-	-	617.60
	10/29/2004	648.37	30.89	617.48	-	-	617.48
	11/04/2004	648.37	30.98	617.39	-	-	617.39
	11/08/2004	648.37	30.75	617.62	-	-	617.62
	12/01/2004	648.37	31.16	617.21	-	-	617.21
	12/15/2004	648.37	30.75	617.62	-	-	617.62
	01/05/2005	648.37	29.97	618.40	-	-	618.40
	01/14/2005	648.37	30.09	618.28	-	-	618.28
	02/03/2005	648.37	29.75	618.62	-	-	618.62
	02/15/2005	648.37	30.19	618.18	-	-	618.18
	03/08/2005	648.37	30.00	618.37	-	-	618.37
	03/22/2005	648.37	30.44	617.93	-	-	617.93
	04/11/2005	648.37	30.09	618.28	-	-	618.28
	04/25/2005	648.37	29.60	618.77	-	-	618.77
	05/03/2005	648.37	29.83	618.54	-	-	618.54
	05/25/2005	648.37	30.22	618.15	-	-	618.15
	06/02/2005	648.37	30.37	618.00	-	-	618.00
	06/20/2005	648.37	30.52	617.85	-	-	617.85
	06/29/2005	648.37	30.61	617.76	-	-	617.76
	07/07/2005	648.37	30.74	617.63	-	-	617.63
	07/27/2005	648.37	30.27	618.10	-	-	618.10

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/05/2005	648.37	30.19	618.18	-	-	618.18
	08/15/2005	648.37	30.65	617.72	-	-	617.72
	09/06/2005	648.37	30.11	618.26	-	-	618.26
	09/23/2005	648.37	29.99	618.38	-	-	618.38
	10/07/2005	648.37	30.02	618.35	-	-	618.35
	10/25/2005	648.37	29.28	619.09	-	-	619.09
	12/13/2005	648.37	27.67	620.70	-	-	620.70
	01/06/2006	648.37	28.39	619.98	-	-	619.98
	02/09/2006	648.37	27.39	620.98	-	-	620.98
	02/22/2006	648.37	27.29	621.08	-	-	621.08
	03/16/2006	648.37	27.66	620.71	-	-	620.71
	04/12/2006	648.37	27.77	620.60	-	-	620.60
	05/17/2006	648.37	28.39	619.98	-	-	619.98
	06/15/2006	648.37	27.98	620.39	-	-	620.39
	07/10/2006	648.37	28.73	619.64	-	-	619.64
	08/18/2006	648.37	29.53	618.84	-	-	618.84
	10/24/2006	648.37	29.82	618.55	-	-	618.55
	01/04/2007	648.37	27.29	621.08	-	-	621.08
	02/01/2007	648.37	27.72	620.65	-	-	620.65
	05/07/2007	648.37	28.16	620.21	-	-	620.21
	05/30/2007	648.37	27.12	621.25	-	-	621.25
	07/30/2007	648.37	29.21	619.16	-	-	619.16
	10/07/2007	648.37	30.64	617.73	-	-	617.73
	01/07/2008	648.37	29.57	618.80	-	-	618.80
	02/26/2008	648.37	28.28	620.09	-	-	620.09
	07/01/2008	648.37	24.40	623.97	-	-	623.97
2140-MW08	01/08/2003	637.74	28.20	609.54	-	-	609.54
	09/08/2004	637.93	28.63	609.30	-	-	609.30
	09/22/2004	637.93	28.46	609.47	-	-	609.47
	10/08/2004	637.93	28.76	609.17	-	-	609.17
	10/29/2004	637.93	28.85	609.08	-	-	609.08
	11/04/2004	637.93	28.88	609.05	-	-	609.05
	11/08/2004	637.93	28.73	609.20	-	-	609.20
	12/01/2004	637.93	28.83	609.10	-	-	609.10
	12/15/2004	637.93	28.25	609.68	-	-	609.68
	01/05/2005	637.93	27.91	610.02	-	-	610.02
	01/14/2005	637.93	27.90	610.03	-	-	610.03
	02/03/2005	637.93	27.76	610.17	-	-	610.17
	02/15/2005	637.93	28.02	609.91	-	-	609.91
	03/08/2005	637.93	28.01	609.92	-	-	609.92
	03/22/2005	637.93	28.12	609.81	-	-	609.81
	04/11/2005	637.93	27.53	610.40	-	-	610.40
	04/25/2005	637.93	27.54	610.39	-	-	610.39
	05/03/2005	637.93	27.67	610.26	-	-	610.26
	05/25/2005	637.93	28.01	609.92	-	-	609.92
	06/02/2005	637.93	28.12	609.81	-	-	609.81
	06/20/2005	637.93	28.37	609.56	-	-	609.56
	06/29/2005	637.93	28.46	609.47	-	-	609.47
	07/07/2005	637.93	28.60	609.33	-	-	609.33
	07/27/2005	637.93	28.54	609.39	-	-	609.39

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/05/2005	637.93	28.57	609.36	-	-	609.36
	08/15/2005	637.93	28.88	609.05	-	-	609.05
	09/06/2005	637.93	28.49	609.44	-	-	609.44
	09/23/2005	637.93	28.34	609.59	-	-	609.59
	10/07/2005	637.93	28.23	609.70	-	-	609.70
	10/25/2005	637.93	27.44	610.49	-	-	610.49
	12/13/2005	637.93	26.65	611.28	-	-	611.28
	01/06/2006	637.93	27.31	610.62	-	-	610.62
	02/09/2006	637.93	26.53	611.40	-	-	611.40
	02/22/2006	637.93	26.63	611.30	-	-	611.30
	03/16/2006	637.93	26.89	611.04	-	-	611.04
	04/12/2006	637.93	NR	-	NR	-	-
	05/17/2006	637.93	27.24	610.69	-	-	610.69
	06/15/2006	637.93	27.64	610.29	-	-	610.29
	07/10/2006	637.93	27.99	609.94	-	-	609.94
	08/18/2006	637.93	28.58	609.35	-	-	609.35
	10/24/2006	637.93	28.44	609.49	-	-	609.49
	01/04/2007	637.93	27.00	610.93	-	-	610.93
	02/01/2007	637.93	27.48	610.45	-	-	610.45
	05/07/2007	637.93	26.85	611.08	-	-	611.08
	05/30/2007	637.93	24.02	613.91	-	-	613.91
	07/30/2007	637.93	28.35	609.58	-	-	609.58
	10/07/2007	637.93	29.11	608.82	-	-	608.82
	01/07/2008	637.93	28.13	609.80	-	-	609.80
	02/26/2008	637.93	27.14	610.79	-	-	610.79
	07/01/2008	637.93	24.75	613.18	-	-	613.18
2140-MW09	01/08/2003	635.73	25.79	609.94	-	-	609.94
	09/08/2004	635.81	25.96	609.85	-	-	609.85
	09/22/2004	635.81	25.82	609.99	-	-	609.99
	10/08/2004	635.81	26.12	609.69	-	-	609.69
	10/29/2004	635.81	26.18	609.63	-	-	609.63
	11/04/2004	635.81	26.22	609.59	-	-	609.59
	11/08/2004	635.81	26.03	609.78	-	-	609.78
	12/01/2004	635.81	26.16	609.65	-	-	609.65
	12/15/2004	635.81	25.62	610.19	-	-	610.19
	01/05/2005	635.81	25.24	610.57	-	-	610.57
	01/14/2005	635.81	25.24	610.57	-	-	610.57
	02/03/2005	635.81	25.10	610.71	-	-	610.71
	02/15/2005	635.81	25.35	610.46	-	-	610.46
	03/08/2005	635.81	25.27	610.54	-	-	610.54
	03/22/2005	635.81	25.48	610.33	-	-	610.33
	04/11/2005	635.81	24.89	610.92	-	-	610.92
	04/25/2005	635.81	24.83	610.98	-	-	610.98
	05/03/2005	635.81	25.07	610.74	-	-	610.74
	05/25/2005	635.81	25.46	610.35	-	-	610.35
	06/02/2005	635.81	25.55	610.26	-	-	610.26
	06/20/2005	635.81	25.78	610.03	-	-	610.03
	06/29/2005	635.81	25.85	609.96	-	-	609.96
	07/07/2005	635.81	25.98	609.83	-	-	609.83
	07/27/2005	635.81	25.80	610.01	-	-	610.01

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/05/2005	635.81	25.81	610.00	-	-	610.00
	08/15/2005	635.81	26.21	609.60	-	-	609.60
	09/06/2005	635.81	25.11	610.70	-	-	610.70
	09/23/2005	635.81	25.59	610.22	-	-	610.22
	10/07/2005	635.81	25.59	610.22	-	-	610.22
	10/25/2005	635.81	24.86	610.95	-	-	610.95
	12/13/2005	635.81	24.61	611.20	-	-	611.20
	01/06/2006	635.81	NR	-	NR	-	-
	02/09/2006	635.81	23.91	611.90	-	-	611.90
	02/22/2006	635.81	23.95	611.86	-	-	611.86
	03/16/2006	635.81	24.00	611.81	-	-	611.81
	04/12/2006	635.81	24.22	611.59	-	-	611.59
	05/17/2006	635.81	24.63	611.18	-	-	611.18
	06/15/2006	635.81	24.75	611.06	-	-	611.06
	07/10/2006	635.81	25.13	610.68	-	-	610.68
	08/18/2006	635.81	25.59	610.22	-	-	610.22
	10/24/2006	635.81	25.57	610.24	-	-	610.24
	01/04/2007	635.81	24.09	611.72	-	-	611.72
	02/01/2007	635.81	24.39	611.42	-	-	611.42
	05/07/2007	635.81	24.27	611.54	-	-	611.54
	05/30/2007	635.81	23.22	612.59	-	-	612.59
	07/30/2007	635.81	25.39	610.42	-	-	610.42
	10/07/2007	635.81	25.72	610.09	-	-	610.09
	01/07/2008	635.81	25.18	610.63	-	-	610.63
	02/26/2008	635.81	24.23	611.58	-	-	611.58
	07/01/2008	635.81	25.90	609.91	-	-	609.91
2140-MW10	01/08/2003	635.03	NR	-	NR	-	-
	09/08/2004	635.03	24.13	610.90	-	-	610.90
	09/22/2004	635.03	24.02	611.01	-	-	611.01
	10/08/2004	635.03	24.33	610.70	-	-	610.70
	10/29/2004	635.03	24.55	610.48	-	-	610.48
	11/04/2004	635.03	24.68	610.35	-	-	610.35
	11/08/2004	635.03	24.33	610.70	-	-	610.70
	12/01/2004	635.03	24.81	610.22	-	-	610.22
	12/15/2004	635.03	24.12	610.91	-	-	610.91
	01/05/2005	635.03	23.71	611.32	-	-	611.32
	01/14/2005	635.03	23.72	611.31	-	-	611.31
	02/03/2005	635.03	23.60	611.43	-	-	611.43
	02/15/2005	635.03	23.82	611.21	-	-	611.21
	03/08/2005	635.03	23.65	611.38	-	-	611.38
	03/22/2005	635.03	23.92	611.11	-	-	611.11
	04/11/2005	635.03	23.43	611.60	-	-	611.60
	04/25/2005	635.03	23.40	611.63	-	-	611.63
	05/03/2005	635.03	23.59	611.44	-	-	611.44
	05/25/2005	635.03	23.88	611.15	-	-	611.15
	06/02/2005	635.03	23.97	611.06	-	-	611.06
	06/20/2005	635.03	24.15	610.88	-	-	610.88
	06/29/2005	635.03	24.21	610.82	-	-	610.82
	07/07/2005	635.03	24.39	610.64	-	-	610.64
	07/27/2005	635.03	24.08	610.95	-	-	610.95

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/05/2005	635.03	24.03	611.00	-	-	611.00
	08/15/2005	635.03	24.74	610.29	-	-	610.29
	09/06/2005	635.03	24.11	610.92	-	-	610.92
	09/23/2005	635.03	24.03	611.00	-	-	611.00
	10/07/2005	635.03	24.04	610.99	-	-	610.99
	10/25/2005	635.03	23.43	611.60	-	-	611.60
	12/13/2005	635.03	22.69	612.34	-	-	612.34
	01/06/2006	635.03	23.17	611.86	-	-	611.86
	02/09/2006	635.03	22.50	612.53	-	-	612.53
	02/22/2006	635.03	22.56	612.47	-	-	612.47
	03/16/2006	635.03	22.64	612.39	-	-	612.39
	04/12/2006	635.03	22.87	612.16	-	-	612.16
	05/17/2006	635.03	23.19	611.84	-	-	611.84
	06/15/2006	635.03	23.30	611.73	-	-	611.73
	07/10/2006	635.03	23.75	611.28	-	-	611.28
	08/18/2006	635.03	24.37	610.66	-	-	610.66
	10/24/2006	635.03	24.33	610.70	-	-	610.70
	01/04/2007	635.03	22.68	612.35	-	-	612.35
	02/01/2007	635.03	22.38	612.65	-	-	612.65
	05/07/2007	635.03	22.78	612.25	-	-	612.25
	05/30/2007	635.03	22.82	612.21	-	-	612.21
	07/30/2007	635.03	24.16	610.87	-	-	610.87
	10/07/2007	635.03	24.53	610.50	-	-	610.50
	01/07/2008	635.03	23.98	611.05	-	-	611.05
	02/26/2008	635.03	NR	-	NR	-	-
	07/01/2008	635.03	25.05	609.98	-	-	609.98
2140-MW11	01/08/2003	637.84	25.00	612.84	-	-	612.84
	09/08/2004	637.90	24.82	613.08	-	-	613.08
	09/22/2004	637.90	24.64	613.26	-	-	613.26
	10/08/2004	637.90	25.08	612.82	-	-	612.82
	10/29/2004	637.90	25.20	612.70	-	-	612.70
	11/04/2004	637.90	25.25	612.65	-	-	612.65
	11/08/2004	637.90	25.04	612.86	-	-	612.86
	12/01/2004	637.90	25.31	612.59	-	-	612.59
	12/15/2004	637.90	24.85	613.05	-	-	613.05
	01/05/2005	637.90	24.41	613.49	-	-	613.49
	01/14/2005	637.90	24.39	613.51	-	-	613.51
	02/03/2005	637.90	24.19	613.71	-	-	613.71
	02/15/2005	637.90	24.45	613.45	-	-	613.45
	03/08/2005	637.90	24.35	613.55	-	-	613.55
	03/22/2005	637.90	24.61	613.29	-	-	613.29
	04/11/2005	637.90	24.19	613.71	-	-	613.71
	04/25/2005	637.90	24.09	613.81	-	-	613.81
	05/03/2005	637.90	24.23	613.67	-	-	613.67
	05/25/2005	637.90	24.57	613.33	-	-	613.33
	06/02/2005	637.90	24.66	613.24	-	-	613.24
	06/20/2005	637.90	24.83	613.07	-	-	613.07
	06/29/2005	637.90	24.90	613.00	-	-	613.00
	07/07/2005	637.90	25.04	612.86	-	-	612.86
	07/27/2005	637.90	24.76	613.14	-	-	613.14

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	08/05/2005	637.90	24.76	613.14	-	-	613.14
	08/15/2005	637.90	25.22	612.68	-	-	612.68
	09/06/2005	637.90	24.59	613.31	-	-	613.31
	09/23/2005	637.90	24.53	613.37	-	-	613.37
	10/07/2005	637.90	24.52	613.38	-	-	613.38
	10/25/2005	637.90	23.88	614.02	-	-	614.02
	12/13/2005	637.90	22.63	615.27	-	-	615.27
	01/06/2006	637.90	23.22	614.68	-	-	614.68
	02/09/2006	637.90	22.20	615.70	-	-	615.70
	02/22/2006	637.90	22.22	615.68	-	-	615.68
	03/16/2006	637.90	22.36	615.54	-	-	615.54
	04/12/2006	637.90	22.62	615.28	-	-	615.28
	05/17/2006	637.90	23.15	614.75	-	-	614.75
	06/15/2006	637.90	23.10	614.80	-	-	614.80
	07/10/2006	637.90	23.60	614.30	-	-	614.30
	08/18/2006	637.90	24.12	613.78	-	-	613.78
	10/24/2006	637.90	24.08	613.82	-	-	613.82
	01/04/2007	637.90	22.45	615.45	-	-	615.45
	02/01/2007	637.90	22.58	615.32	-	-	615.32
	05/07/2007	637.90	22.45	615.45	-	-	615.45
	05/30/2007	637.90	21.71	616.19	-	-	616.19
	07/30/2007	637.90	23.70	614.20	-	-	614.20
	10/07/2007	637.90	24.18	613.72	-	-	613.72
	01/07/2008	637.90	23.85	614.05	-	-	614.05
	02/26/2008	637.90	22.30	615.60	-	-	615.60
	07/01/2008	637.90	25.15	612.75	-	-	612.75
	09/18/2008	637.90	22.92	614.98	-	-	614.98
	10/23/2008	637.90	23.22	614.68	-	-	614.68
	12/30/2008	637.90	20.53	617.37	-	-	617.37
	01/28/2009	637.90	21.15	616.75	-	-	616.75
	02/24/2009	637.90	21.56	616.34	-	-	616.34
	03/27/2009	637.90	21.60	616.30	-	-	616.30
	04/28/2009	637.90	21.98	615.92	-	-	615.92
	05/20/2009	637.90	21.90	616.00	-	-	616.00
	06/25/2009	637.90	22.02	615.88	-	-	615.88
	07/20/2009	637.90	22.29	615.61	-	-	615.61
	08/25/2009	637.90	22.78	615.12	-	-	615.12
	09/16/2009	637.90	23.21	614.69	-	-	614.69
	10/13/2009	646.30	23.51	622.79	-	-	622.79
	11/10/2009	646.30	23.21	623.09	-	-	623.09
	12/14/2009	646.30	23.67	622.63	-	-	622.63
	01/11/2010	646.30	24.04	622.26	-	-	622.26
	02/10/2010	646.30	23.81	622.49	-	-	622.49
	03/10/2010	646.30	24.17	622.13	-	-	622.13
	04/14/2010	646.30	23.67	622.63	-	-	622.63
	05/12/2010	637.84	23.92	613.92	-	-	613.92
	06/17/2010	637.84	23.88	613.96	-	-	613.96
	07/14/2010	637.84	23.96	613.88	-	-	613.88
	08/09/2010	637.84	23.71	614.13	-	-	614.13
	09/16/2010	637.84	23.61	614.23	-	-	614.23

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	10/13/2010	637.84	22.88	614.96	-	-	614.96
	11/16/2010	637.84	22.97	614.87	-	-	614.87
	12/16/2010	637.84	NR	-	NR	-	-
	01/13/2011	637.84	NR	-	NR	-	-
	03/14/2011	637.84	NR	-	NR	-	-
	04/12/2011	637.84	NR	-	NR	-	-
2140-MW12	01/08/2003	629.03	20.68	608.35	-	-	608.35
	09/08/2004	629.03	21.13	607.90	-	-	607.90
	09/15/2004	629.03	8.94	620.09	-	-	620.09
	09/22/2004	629.03	20.77	608.26	-	-	608.26
	10/08/2004	629.03	21.13	607.90	-	-	607.90
	10/29/2004	629.03	21.23	607.80	-	-	607.80
	11/04/2004	629.03	21.27	607.76	-	-	607.76
	11/08/2004	629.03	21.13	607.90	-	-	607.90
	12/01/2004	629.03	21.15	607.88	-	-	607.88
	12/15/2004	629.03	20.38	608.65	-	-	608.65
	01/05/2005	629.03	19.88	609.15	-	-	609.15
	01/14/2005	629.03	19.78	609.25	-	-	609.25
	02/03/2005	629.03	19.76	609.27	-	-	609.27
	02/15/2005	629.03	19.95	609.08	-	-	609.08
	03/08/2005	629.03	19.98	609.05	-	-	609.05
	03/22/2005	629.03	20.11	608.92	-	-	608.92
	04/11/2005	629.03	19.27	609.76	-	-	609.76
	04/18/2005	629.03	19.32	609.71	-	-	609.71
	04/25/2005	629.03	19.48	609.55	-	-	609.55
	05/03/2005	629.03	19.61	609.42	-	-	609.42
	05/25/2005	629.03	20.01	609.02	-	-	609.02
	04/27/2006	629.03	19.31	609.72	-	-	609.72
	10/03/2006	629.03	21.10	607.93	-	-	607.93
	06/02/2005	629.03	19.89	609.14	-	-	609.14
	06/20/2005	629.03	20.58	608.45	-	-	608.45
	06/29/2005	629.03	20.74	608.29	-	-	608.29
	07/07/2005	629.03	20.96	608.07	-	-	608.07
	07/27/2005	629.03	21.50	607.53	-	-	607.53
	08/05/2005	629.03	21.12	607.91	-	-	607.91
	08/15/2005	629.03	21.37	607.66	-	-	607.66
	09/06/2005	629.03	21.14	607.89	-	-	607.89
	09/23/2005	629.03	20.83	608.20	-	-	608.20
	10/07/2005	629.03	20.42	608.61	-	-	608.61
	10/25/2005	629.03	19.39	609.64	-	-	609.64
	12/13/2005	629.03	18.69	610.34	-	-	610.34
	01/06/2006	629.03	19.35	609.68	-	-	609.68
	02/09/2006	629.03	18.52	610.51	-	-	610.51
	02/22/2006	629.03	18.58	610.45	-	-	610.45
	03/16/2006	629.03	18.54	610.49	-	-	610.49
	04/12/2006	629.03	19.99	609.04	-	-	609.04
	04/27/2006	629.03	19.31	609.72	-	-	609.72
	05/17/2006	629.03	20.16	608.87	-	-	608.87
	06/15/2006	629.03	19.95	609.08	-	-	609.08



**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	07/10/2006	629.03	20.20	608.83	-	-	608.83
	08/18/2006	629.03	21.07	607.96	-	-	607.96
	10/03/2006	629.03	21.10	607.93	-	-	607.93
	10/24/2006	629.03	20.73	608.30	-	-	608.30
	01/04/2007	629.03	19.19	609.84	-	-	609.84
	02/01/2007	629.03	19.26	609.77	-	-	609.77
	05/07/2007	629.03	18.72	610.31	-	-	610.31
	05/30/2007	629.03	19.11	609.92	-	-	609.92
	07/30/2007	629.03	20.01	609.02	-	-	609.02
	10/07/2007	629.03	21.87	607.16	-	-	607.16
	01/07/2008	629.03	20.12	608.91	-	-	608.91
	02/26/2008	629.03	19.14	609.89	-	-	609.89
	05/23/2007	629.03	19.09	609.94	-	-	609.94
	07/01/2008	629.03	24.90	604.13	-	-	604.13
2140-MW13	09/15/2004	NR	20.72	-	-	-	-
	04/18/2005	NR	7.55	-	-	-	-
	04/27/2006	NR	7.58	-	-	-	-
	10/03/2006	NR	9.30	-	-	-	-
	05/23/2007	NR	7.39	-	-	-	-
	07/01/2008	NR	24.05	-	-	-	-
2140-MW14	09/15/2004	NR	10.06	-	-	-	-
	04/18/2005	NR	8.63	-	-	-	-
	04/27/2006	NR	8.70	-	-	-	-
	10/03/2006	NR	10.39	-	-	-	-
	05/23/2007	NR	8.53	-	-	-	-
	07/01/2008	NR	21.65	-	-	-	-
2140-MW15	09/15/2004	NR	10.94	-	-	-	-
	04/18/2005	NR	9.48	-	-	-	-
	04/27/2006	NR	9.59	-	-	-	-
	10/03/2006	NR	20.25	-	-	-	-
	05/23/2007	NR	9.41	-	-	-	-
	07/01/2008	NR	21.60	-	-	-	-
2140-MW16	09/15/2004	NR	7.68	-	-	-	-
	04/18/2005	NR	6.48	-	-	-	-
	04/27/2006	NR	6.51	-	-	-	-
	10/03/2006	NR	7.95	-	-	-	-
	05/23/2007	NR	7.60	-	-	-	-
	07/01/2008	NR	21.60	-	-	-	-
2140-MW17	09/15/2004	NR	7.80	-	-	-	-
	04/18/2005	NR	6.57	-	-	-	-
	04/27/2006	NR	6.65	-	-	-	-
	10/03/2006	NR	8.05	-	-	-	-
	05/23/2007	NR	6.55	-	-	-	-
2140-MW18	09/15/2004	NR	7.50	-	-	-	-
	04/18/2005	NR	6.16	-	-	-	-

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Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	04/27/2006 10/03/2006 05/23/2007	NR NR NR	6.24 7.61 6.15	- - -	- - -	- - -	- - -
2140-MW19	09/15/2004 04/18/2005 04/27/2006 10/03/2006 05/23/2007	NR NR NR NR NR	8.82 7.67 7.66 9.08 6.84	- - - - -	- - - - -	- - - - -	- - - - -
2140-MW20	09/15/2004 04/18/2005 04/27/2006 10/03/2006 05/23/2007	NR NR NR NR NR	7.45 6.22 6.10 7.80 6.84	- - - - -	- - - - -	- - - - -	- - - - -
2140-MW21	09/15/2004 04/18/2005 04/27/2006 10/03/2006 05/23/2007	NR NR NR NR NR	6.90 6.65 6.29 6.60 6.67	- - - - -	- - - - -	- - - - -	- - - - -
2140-MW26	09/15/2004 04/18/2005 04/27/2006 10/03/2006 05/23/2007	NR NR NR NR NR	11.60 10.56 10.56 11.83 10.52	- - - - -	- - - - -	- - - - -	- - - - -
2140-MW27	09/15/2004 04/18/2005 04/27/2006 10/03/2006 05/23/2007	NR NR NR NR NR	10.14 9.11 9.14 10.35 9.08	- - - - -	- - - - -	- - - - -	- - - - -
2140-MW28	09/15/2004 04/18/2005 04/27/2006 10/03/2006 05/23/2007	NR NR NR NR NR	9.26 8.23 8.25 9.40 8.19	- - - - -	- - - - -	- - - - -	- - - - -
2140-MW29	09/15/2004 04/18/2005 04/27/2006 10/03/2006 05/23/2007	NR NR NR NR NR	5.00 4.97 4.39 4.75 4.56	- - - - -	- - - - -	- - - - -	- - - - -
2140-MW30	09/15/2004 04/18/2005 04/27/2006 10/03/2006	NR NR NR NR	5.98 5.93 5.91 5.97	- - - -	- - - -	- - - -	- - - -

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	05/23/2007	NR	6.12	-	-	-	-
2140-MW31	09/15/2004	NR	6.88	-	-	-	-
	04/18/2005	NR	6.72	-	-	-	-
	04/27/2006	NR	6.55	-	-	-	-
	10/03/2006	NR	6.74	-	-	-	-
	05/23/2007	NR	7.01	-	-	-	-
2140-MW32	09/15/2004	NR	15.92	-	-	-	-
	04/18/2005	NR	7.01	-	-	-	-
	04/27/2006	NR	7.65	-	-	-	-
	10/03/2006	NR	15.90	-	-	-	-
	05/23/2007	NR	7.94	-	-	-	-
2140-MW34	01/08/2003	632.64	23.99	608.65	-	-	608.65
	09/08/2004	632.64	24.43	608.21	-	-	608.21
	09/22/2004	632.64	24.12	608.52	-	-	608.52
	10/08/2004	632.64	24.45	608.19	-	-	608.19
	10/29/2004	632.64	24.57	608.07	-	-	608.07
	11/04/2004	632.64	24.61	608.03	-	-	608.03
	11/08/2004	632.64	24.51	608.13	-	-	608.13
	12/01/2004	632.64	24.05	608.59	-	-	608.59
	12/15/2004	632.64	23.81	608.83	-	-	608.83
	01/05/2005	632.64	23.30	609.34	-	-	609.34
	01/14/2005	632.64	23.22	609.42	-	-	609.42
	02/03/2005	632.64	23.14	609.50	-	-	609.50
	02/15/2005	632.64	23.35	609.29	-	-	609.29
	03/08/2005	632.64	23.40	609.24	-	-	609.24
	03/22/2005	632.64	NR	-	-	NR	-
	04/11/2005	632.64	22.73	609.91	-	-	609.91
	04/25/2005	632.64	22.87	609.77	-	-	609.77
	05/03/2005	632.64	23.03	609.61	-	-	609.61
	05/25/2005	632.64	23.04	609.60	-	-	609.60
	06/02/2005	632.64	23.59	609.05	-	-	609.05
	06/20/2005	632.64	23.94	608.70	-	-	608.70
	06/29/2005	632.64	24.06	608.58	-	-	608.58
	07/07/2005	632.64	24.27	608.37	-	-	608.37
	07/27/2005	632.64	24.34	608.30	-	-	608.30
	08/05/2005	632.64	24.41	608.23	-	-	608.23
	08/15/2005	632.64	24.65	607.99	-	-	607.99
	09/06/2005	632.64	24.43	608.21	-	-	608.21
	09/23/2005	632.64	24.16	608.48	-	-	608.48
	10/07/2005	632.64	23.79	608.85	-	-	608.85
	10/25/2005	632.64	22.79	609.85	-	-	609.85
	12/13/2005	632.64	NR	-	-	NR	-
	01/06/2006	632.64	NR	-	-	NR	-
	02/09/2006	632.64	21.85	610.79	-	-	610.79
02/22/2006	632.64	NR	-	-	NR	-	
03/16/2006	632.64	21.95	610.69	-	-	610.69	
04/12/2006	632.64	22.48	610.16	-	-	610.16	
05/17/2006	632.64	22.96	609.68	-	-	609.68	

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Historical Well Gauging Data Summary**

**AAFES  
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Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/15/2006	632.64	23.18	609.46	-	-	609.46
	07/10/2006	632.64	23.54	609.10	-	-	609.10
	08/18/2006	632.64	24.38	608.26	-	-	608.26
	10/24/2006	632.64	24.81	607.83	-	-	607.83
	01/04/2007	632.64	22.57	610.07	-	-	610.07
	02/01/2007	632.64	22.61	610.03	-	-	610.03
	05/07/2007	632.64	22.11	610.53	-	-	610.53
	05/30/2007	632.64	24.78	607.86	-	-	607.86
	07/30/2007	632.64	24.09	608.55	-	-	608.55
	10/07/2007	632.64	24.89	607.75	-	-	607.75
	01/07/2008	632.64	23.56	609.08	-	-	609.08
	02/26/2008	632.64	NR	-	NR	-	-
2140-MW35	01/08/2003	633.25	24.51	608.74	-	-	608.74
	09/08/2004	633.25	24.93	608.32	-	-	608.32
	09/22/2004	633.25	24.65	608.60	-	-	608.60
	10/08/2004	633.25	24.99	608.26	-	-	608.26
	10/29/2004	633.25	25.27	607.98	-	-	607.98
	11/04/2004	633.25	25.16	608.09	-	-	608.09
	11/08/2004	633.25	25.05	608.20	-	-	608.20
	12/01/2004	633.25	24.49	608.76	-	-	608.76
	12/15/2004	633.25	24.34	608.91	-	-	608.91
	01/05/2005	633.25	23.85	609.40	-	-	609.40
	01/14/2005	633.25	23.76	609.49	-	-	609.49
	02/03/2005	633.25	23.63	609.62	-	-	609.62
	02/15/2005	633.25	23.89	609.36	-	-	609.36
	03/08/2005	633.25	23.91	609.34	-	-	609.34
	03/22/2005	633.25	24.05	609.20	-	-	609.20
	04/11/2005	633.25	23.31	609.94	-	-	609.94
	04/25/2005	633.25	23.34	609.91	-	-	609.91
	05/03/2005	633.25	23.53	609.72	-	-	609.72
	05/25/2005	633.25	23.92	609.33	-	-	609.33
	06/02/2005	633.25	24.11	609.14	-	-	609.14
	06/20/2005	633.25	24.46	608.79	-	-	608.79
	06/29/2005	633.25	24.58	608.67	-	-	608.67
	07/07/2005	633.25	24.80	608.45	-	-	608.45
	07/27/2005	633.25	24.81	608.44	-	-	608.44
	08/05/2005	633.25	24.86	608.39	-	-	608.39
	08/15/2005	633.25	25.17	608.08	-	-	608.08
	09/06/2005	633.25	24.86	608.39	-	-	608.39
	09/23/2005	633.25	24.60	608.65	-	-	608.65
	10/07/2005	633.25	24.31	608.94	-	-	608.94
	10/25/2005	633.25	23.31	609.94	-	-	609.94
	12/13/2005	633.25	22.50	610.75	-	-	610.75
	01/06/2006	633.25	23.22	610.03	-	-	610.03
	02/09/2006	633.25	22.32	610.93	-	-	610.93
	02/22/2006	633.25	22.37	610.88	-	-	610.88
	03/16/2006	633.25	22.44	610.81	-	-	610.81
	04/12/2006	633.25	22.96	610.29	-	-	610.29
	05/17/2006	633.25	23.42	609.83	-	-	609.83

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Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	06/15/2006	633.25	23.75	609.50	-	-	609.50
	07/10/2006	633.25	24.02	609.23	-	-	609.23
	08/18/2006	633.25	24.89	608.36	-	-	608.36
	10/24/2006	633.25	24.63	608.62	-	-	608.62
	01/04/2007	633.25	23.09	610.16	-	-	610.16
	02/01/2007	633.25	23.11	610.14	-	-	610.14
	05/07/2007	633.25	22.56	610.69	-	-	610.69
	05/30/2007	633.25	22.78	610.47	-	-	610.47
	07/30/2007	633.25	24.54	608.71	-	-	608.71
	10/07/2007	633.25	25.53	607.72	-	-	607.72
	01/07/2008	633.25	24.11	609.14	-	-	609.14
	02/26/2008	633.25	23.04	610.21	-	-	610.21
	09/18/2008	633.25	23.85	609.40	-	-	609.40
	10/23/2008	633.25	24.07	609.18	-	-	609.18
	12/30/2008	633.25	21.60	611.65	21.59	0.01	611.66
	01/28/2009	633.25	22.30	610.95	-	-	610.95
	02/24/2009	633.25	22.28	610.97	-	-	610.97
	03/27/2009	633.25	21.94	611.31	-	-	611.31
	04/28/2009	633.25	22.32	610.93	-	-	610.93
	05/20/2009	633.25	22.38	610.87	-	-	610.87
	06/25/2009	633.25	22.83	610.42	-	-	610.42
	07/20/2009	633.25	23.35	609.90	-	-	609.90
	08/25/2009	633.25	24.00	609.25	-	-	609.25
	09/16/2009	633.25	24.43	608.82	-	-	608.82
	10/13/2009	646.30	24.52	621.78	-	-	621.78
	11/10/2009	646.30	24.31	621.99	-	-	621.99
	12/14/2009	646.30	24.26	622.04	-	-	622.04
	01/11/2010	646.30	24.34	621.96	-	-	621.96
	02/10/2010	646.30	23.78	622.52	-	-	622.52
	03/10/2010	646.30	24.18	622.12	-	-	622.12
	04/14/2010	646.30	23.61	622.69	-	-	622.69
	05/12/2010	633.25	24.02	609.23	-	-	609.23
	06/17/2010	633.25	24.56	608.69	-	-	608.69
	07/14/2010	633.25	24.73	608.52	-	-	608.52
	08/09/2010	633.25	24.37	608.88	-	-	608.88
	09/16/2010	633.25	24.78	608.47	-	-	608.47
	10/13/2010	633.25	23.47	609.78	-	-	609.78
	11/16/2010	633.25	23.68	609.57	-	-	609.57
	12/16/2010	633.25	NR	-	NR	-	-
	01/13/2011	633.25	NR	-	NR	-	-
	03/14/2011	633.25	NR	-	NR	-	-
	04/12/2011	633.25	NR	-	NR	-	-
2140-MW36	01/08/2003	640.57	25.82	614.75	-	-	614.75
	09/08/2004	640.57	25.64	614.93	-	-	614.93
	09/22/2004	640.57	25.53	615.04	-	-	615.04
	10/08/2004	640.57	25.91	614.66	-	-	614.66
	10/29/2004	640.57	26.09	614.48	-	-	614.48
	11/04/2004	640.57	26.16	614.41	-	-	614.41
	11/08/2004	640.57	25.90	614.67	-	-	614.67

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Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	12/01/2004	640.57	26.15	614.42	-	-	614.42
	12/15/2004	640.57	25.76	614.81	-	-	614.81
	01/05/2005	640.57	25.36	615.21	-	-	615.21
	01/14/2005	640.57	25.50	615.07	-	-	615.07
	02/03/2005	640.57	25.23	615.34	-	-	615.34
	02/15/2005	640.57	25.52	615.05	-	-	615.05
	03/08/2005	640.57	25.16	615.41	-	-	615.41
	03/22/2005	640.57	25.71	614.86	-	-	614.86
	04/11/2005	640.57	25.47	615.10	-	-	615.10
	04/25/2005	640.57	24.84	615.73	-	-	615.73
	05/03/2005	640.57	25.22	615.35	-	-	615.35
	05/25/2005	640.57	25.55	615.02	-	-	615.02
	06/02/2005	640.57	25.54	615.03	-	-	615.03
	06/20/2005	640.57	25.61	614.96	-	-	614.96
	06/29/2005	640.57	25.67	614.90	-	-	614.90
	07/07/2005	640.57	25.76	614.81	-	-	614.81
	07/27/2005	640.57	25.42	615.15	-	-	615.15
	08/05/2005	640.57	25.44	615.13	-	-	615.13
	08/15/2005	640.57	25.79	614.78	-	-	614.78
	09/06/2005	640.57	25.23	615.34	-	-	615.34
	09/23/2005	640.57	25.13	615.44	-	-	615.44
	10/07/2005	640.57	25.39	615.18	-	-	615.18
	10/25/2005	640.57	24.79	615.78	-	-	615.78
	12/13/2005	640.57	22.95	617.62	-	-	617.62
	01/06/2006	640.57	24.17	616.40	-	-	616.40
	02/09/2006	640.57	22.76	617.81	-	-	617.81
	02/22/2006	640.57	22.74	617.83	-	-	617.83
	03/16/2006	640.57	23.21	617.36	-	-	617.36
	04/12/2006	640.57	23.49	617.08	-	-	617.08
	05/17/2006	640.57	23.95	616.62	-	-	616.62
	06/15/2006	640.57	23.98	616.59	-	-	616.59
	07/10/2006	640.57	24.57	616.00	-	-	616.00
	08/18/2006	640.57	25.14	615.43	-	-	615.43
	10/24/2006	640.57	25.13	615.44	-	-	615.44
	01/04/2007	640.57	23.05	617.52	-	-	617.52
	02/01/2007	640.57	23.53	617.04	-	-	617.04
	05/07/2007	640.57	23.61	616.96	-	-	616.96
	05/30/2007	640.57	22.38	618.19	-	-	618.19
	07/30/2007	640.57	24.63	615.94	-	-	615.94
	10/07/2007	640.57	25.98	614.59	-	-	614.59
	01/07/2008	640.57	24.69	615.88	-	-	615.88
	02/26/2008	640.57	23.32	617.25	-	-	617.25
2140-MW37	01/08/2003	646.42	NR	-	NR	-	-
	09/08/2004	646.42	27.22	619.20	-	-	619.20
	09/22/2004	646.42	27.13	619.29	-	-	619.29
	10/08/2004	646.42	27.52	618.90	-	-	618.90
	10/29/2004	646.42	27.68	618.74	-	-	618.74
	11/04/2004	646.42	27.76	618.66	-	-	618.66
	11/08/2004	646.42	27.61	618.81	-	-	618.81

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	12/01/2004	646.42	27.99	618.43	-	-	618.43
	12/15/2004	646.42	27.40	619.02	-	-	619.02
	01/05/2005	646.42	26.88	619.54	-	-	619.54
	01/14/2005	646.42	26.92	619.50	-	-	619.50
	02/03/2005	646.42	26.55	619.87	-	-	619.87
	02/15/2005	646.42	NR	-	NR	-	-
	03/08/2005	646.42	NR	-	NR	-	-
	03/22/2005	646.42	27.28	619.14	-	-	619.14
	04/11/2005	646.42	26.82	619.60	-	-	619.60
	04/25/2005	646.42	26.24	620.18	-	-	620.18
	05/03/2005	646.42	26.64	619.78	-	-	619.78
	05/25/2005	646.42	27.07	619.35	-	-	619.35
	06/02/2005	646.42	27.23	619.19	-	-	619.19
	06/20/2005	646.42	27.31	619.11	-	-	619.11
	06/29/2005	646.42	27.40	619.02	-	-	619.02
	07/07/2005	646.42	27.54	618.88	-	-	618.88
	07/27/2005	646.42	26.82	619.60	-	-	619.60
	08/05/2005	646.42	26.79	619.63	-	-	619.63
	08/15/2005	646.42	27.73	618.69	-	-	618.69
	09/06/2005	646.42	26.71	619.71	-	-	619.71
	09/23/2005	646.42	26.64	619.78	-	-	619.78
	10/07/2005	646.42	27.04	619.38	-	-	619.38
	10/25/2005	646.42	26.29	620.13	-	-	620.13
	12/13/2005	646.42	24.29	622.13	-	-	622.13
	01/06/2006	646.42	25.10	621.32	-	-	621.32
	02/09/2006	646.42	NR	-	NR	-	-
	02/22/2006	646.42	23.87	622.55	-	-	622.55
	03/16/2006	646.42	24.18	622.24	-	-	622.24
	04/12/2006	646.42	24.66	621.76	-	-	621.76
	05/17/2006	646.42	24.81	621.61	-	-	621.61
	06/15/2006	646.42	24.86	621.56	-	-	621.56
	07/10/2006	646.42	25.15	621.27	-	-	621.27
	08/18/2006	646.42	25.71	620.71	-	-	620.71
	10/24/2006	646.42	25.94	620.48	-	-	620.48
	01/04/2007	646.42	24.12	622.30	-	-	622.30
	02/01/2007	646.42	24.13	622.29	-	-	622.29
	05/07/2007	646.42	23.91	622.51	-	-	622.51
	05/30/2007	646.42	25.25	621.17	-	-	621.17
	07/30/2007	646.42	25.31	621.11	-	-	621.11
	10/07/2007	646.42	26.11	620.31	-	-	620.31
	01/07/2008	646.42	26.02	620.40	-	-	620.40
	02/26/2008	646.42	24.75	621.67	-	-	621.67
2140-PZ01	01/08/2003	637.37	26.01	611.36	-	-	611.36
	09/08/2004	637.94	26.40	611.54	-	-	611.54
	09/22/2004	637.94	25.85	612.09	-	-	612.09
	10/08/2004	637.94	27.68	610.26	-	-	610.26
	10/29/2004	637.94	26.76	611.18	-	-	611.18
	11/04/2004	637.94	26.80	611.14	-	-	611.14
	11/08/2004	637.94	26.51	611.43	-	-	611.43

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	12/01/2004	637.94	26.85	611.09	-	-	611.09
	12/15/2004	637.94	26.25	611.69	-	-	611.69
	01/05/2005	637.94	25.81	612.13	-	-	612.13
	01/14/2005	637.94	25.86	612.08	-	-	612.08
	02/03/2005	637.94	25.60	612.34	-	-	612.34
	02/15/2005	637.94	25.96	611.98	-	-	611.98
	03/08/2005	637.94	25.81	612.13	-	-	612.13
	03/22/2005	637.94	26.07	611.87	-	-	611.87
	04/11/2005	637.94	25.54	612.40	-	-	612.40
	04/25/2005	637.94	25.29	612.65	-	-	612.65
	05/03/2005	637.94	25.58	612.36	-	-	612.36
	05/25/2005	637.94	26.30	611.64	-	-	611.64
	06/02/2005	637.94	25.19	612.75	-	-	612.75
	06/20/2005	637.94	26.23	611.71	-	-	611.71
	06/29/2005	637.94	26.29	611.65	-	-	611.65
	07/07/2005	637.94	26.17	611.77	-	-	611.77
	07/27/2005	637.94	26.08	611.86	-	-	611.86
	08/05/2005	637.94	26.05	611.89	-	-	611.89
	08/15/2005	637.94	26.69	611.25	-	-	611.25
	09/06/2005	637.94	25.98	611.96	-	-	611.96
	09/23/2005	637.94	25.91	612.03	-	-	612.03
	10/07/2005	637.94	26.13	611.81	-	-	611.81
	10/25/2005	637.94	25.38	612.56	-	-	612.56
	12/13/2005	637.94	24.06	613.88	-	-	613.88
	01/06/2006	637.94	24.90	613.04	-	-	613.04
	02/09/2006	637.94	23.86	614.08	-	-	614.08
	02/22/2006	637.94	23.85	614.09	-	-	614.09
	03/16/2006	637.94	24.08	613.86	-	-	613.86
	04/12/2006	637.94	24.06	613.88	-	-	613.88
	05/17/2006	637.94	24.65	613.29	-	-	613.29
	06/15/2006	637.94	24.51	613.43	-	-	613.43
	07/10/2006	637.94	25.09	612.85	-	-	612.85
	08/18/2006	637.94	NR	-	NR	-	-
	10/24/2006	637.94	NR	-	NR	-	-
	01/04/2007	637.94	23.80	614.14	-	-	614.14
	02/01/2007	637.94	24.28	613.66	-	-	613.66
	05/07/2007	637.94	24.62	613.32	-	-	613.32
	05/30/2007	637.94	21.70	616.24	-	-	616.24
	07/30/2007	637.94	25.58	612.36	-	-	612.36
	10/07/2007	637.94	NR	-	NR	-	-
	01/07/2008	637.94	25.16	612.78	-	-	612.78
	02/26/2008	637.94	24.08	613.86	-	-	613.86
2140-PZ02	01/08/2003	638.80	26.49	612.31	-	-	612.31
	09/08/2004	639.02	26.86	612.16	-	-	612.16
	09/22/2004	639.02	26.89	612.13	-	-	612.13
	10/08/2004	639.02	27.17	611.85	-	-	611.85
	10/29/2004	639.02	27.28	611.74	-	-	611.74
	11/04/2004	639.02	27.36	611.66	-	-	611.66
	11/08/2004	639.02	27.06	611.96	-	-	611.96



**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	12/01/2004	639.02	27.38	611.64	-	-	611.64
	12/15/2004	639.02	26.83	612.19	-	-	612.19
	01/05/2005	639.02	26.40	612.62	-	-	612.62
	01/14/2005	639.02	26.44	612.58	-	-	612.58
	02/03/2005	639.02	26.18	612.84	-	-	612.84
	02/15/2005	639.02	26.55	612.47	-	-	612.47
	03/08/2005	639.02	27.18	611.84	-	-	611.84
	03/22/2005	639.02	26.50	612.52	-	-	612.52
	04/11/2005	639.02	26.18	612.84	-	-	612.84
	04/25/2005	639.02	25.75	613.27	-	-	613.27
	05/03/2005	639.02	26.18	612.84	-	-	612.84
	05/25/2005	639.02	26.64	612.38	-	-	612.38
	06/02/2005	639.02	26.02	613.00	-	-	613.00
	06/20/2005	639.02	26.72	612.30	-	-	612.30
	06/29/2005	639.02	26.81	612.21	-	-	612.21
	07/07/2005	639.02	26.95	612.07	-	-	612.07
	07/27/2005	639.02	26.45	612.57	-	-	612.57
	08/05/2005	639.02	26.43	612.59	-	-	612.59
	08/15/2005	639.02	27.14	611.88	-	-	611.88
	09/06/2005	639.02	26.36	612.66	-	-	612.66
	09/23/2005	639.02	26.30	612.72	-	-	612.72
	10/07/2005	639.02	26.68	612.34	-	-	612.34
	10/25/2005	639.02	25.95	613.07	-	-	613.07
	12/13/2005	639.02	24.40	614.62	-	-	614.62
	01/06/2006	639.02	25.32	613.70	-	-	613.70
	02/09/2006	639.02	24.04	614.98	-	-	614.98
	02/22/2006	639.02	24.01	615.01	-	-	615.01
	03/16/2006	639.02	24.28	614.74	-	-	614.74
	04/12/2006	639.02	24.36	614.66	-	-	614.66
	05/17/2006	639.02	24.80	614.22	-	-	614.22
	06/15/2006	639.02	NR	-	NR	-	-
	07/10/2006	639.02	NR	-	NR	-	-
	08/18/2006	639.02	24.85	614.17	-	-	614.17
	10/24/2006	639.02	24.67	614.35	-	-	614.35
	01/04/2007	639.02	24.31	614.71	-	-	614.71
	02/01/2007	639.02	24.66	614.36	-	-	614.36
	05/07/2007	639.02	24.13	614.89	-	-	614.89
	05/30/2007	639.02	NR	-	NR	-	-
	07/30/2007	639.02	24.88	614.14	-	-	614.14
	10/07/2007	639.02	NR	-	NR	-	-
	01/07/2008	639.02	25.08	613.94	-	-	613.94
	02/26/2008	639.02	24.70	614.32	-	-	614.32
2140-PZ03	01/08/2003	638.39	26.10	612.29	-	-	612.29
	09/08/2004	638.85	26.00	612.85	-	-	612.85
	09/22/2004	638.85	26.83	612.02	-	-	612.02
	10/08/2004	638.85	26.23	612.62	-	-	612.62
	10/29/2004	638.85	26.36	612.49	-	-	612.49
	11/04/2004	638.85	26.44	612.41	-	-	612.41
	11/08/2004	638.85	26.02	612.83	-	-	612.83

**Table E-1  
Historical Well Gauging Data Summary**

**AAFES  
(Building P2140)  
Fort Drum**

<b>Monitoring Well</b>	<b>Date</b>	<b>Top of Casing (ft)</b>	<b>Depth to Water (ft)</b>	<b>GW Elevation (ft)</b>	<b>Depth to Product (ft)</b>	<b>Product Thickness (ft)</b>	<b>Prod Adj GW Elevation (ft)</b>
	12/01/2004	638.85	26.42	612.43	-	-	612.43
	12/15/2004	638.85	25.99	612.86	-	-	612.86
	01/05/2005	638.85	25.55	613.30	-	-	613.30
	01/14/2005	638.85	25.62	613.23	-	-	613.23
	02/03/2005	638.85	25.46	613.39	-	-	613.39
	02/15/2005	638.85	25.62	613.23	-	-	613.23
	03/08/2005	638.85	25.54	613.31	-	-	613.31
	03/22/2005	638.85	25.80	613.05	-	-	613.05
	04/11/2005	638.85	25.56	613.29	-	-	613.29
	04/25/2005	638.85	25.33	613.52	-	-	613.52
	05/03/2005	638.85	25.42	613.43	-	-	613.43
	05/25/2005	638.85	25.75	613.10	-	-	613.10
	06/02/2005	638.85	29.86	608.99	-	-	608.99
	06/20/2005	638.85	25.89	612.96	-	-	612.96
	06/29/2005	638.85	25.98	612.87	-	-	612.87
	07/07/2005	638.85	26.42	612.43	-	-	612.43
	07/27/2005	638.85	25.90	612.95	-	-	612.95
	08/05/2005	638.85	25.88	612.97	-	-	612.97
	08/15/2005	638.85	26.21	612.64	-	-	612.64
	09/06/2005	638.85	25.78	613.07	-	-	613.07
	09/23/2005	638.85	25.72	613.13	-	-	613.13
	10/07/2005	638.85	25.58	613.27	-	-	613.27
	10/25/2005	638.85	25.15	613.70	-	-	613.70
	12/13/2005	638.85	24.01	614.84	-	-	614.84
	01/06/2006	638.85	24.74	614.11	-	-	614.11
	02/09/2006	638.85	23.71	615.14	-	-	615.14
	02/22/2006	638.85	23.68	615.17	-	-	615.17
	03/16/2006	638.85	23.88	614.97	-	-	614.97
	04/12/2006	638.85	24.08	614.77	-	-	614.77
	05/17/2006	638.85	24.59	614.26	-	-	614.26
	06/15/2006	638.85	24.29	614.56	-	-	614.56
	07/10/2006	638.85	24.98	613.87	-	-	613.87
	08/18/2006	638.85	25.51	613.34	-	-	613.34
	10/24/2006	638.85	25.59	613.26	-	-	613.26
	01/04/2007	638.85	23.85	615.00	-	-	615.00
	02/01/2007	638.85	24.10	614.75	-	-	614.75
	05/07/2007	638.85	24.29	614.56	-	-	614.56
	05/30/2007	638.85	22.38	616.47	-	-	616.47
	07/30/2007	638.85	25.33	613.52	-	-	613.52
	10/07/2007	638.85	25.27	613.58	-	-	613.58
	01/07/2008	638.85	25.15	613.70	-	-	613.70
	02/26/2008	638.85	23.91	614.94	-	-	614.94

**Notes:**

NA = Not Available/Not Analyzed  
 ND = Not Detected  
 NR = Not Recorded



Table E-3  
Area 2140 Ozone Injection System  
February 2011 - April 2011 O&M Data  
Fort Drum, NY

Date	Time	System Condition	Injecting at Point	Air Flow Rate (scfm)	Air Flow Pressure (psi)	Notes
02/01/11	1315	On	3	3.6	36	
02/02/11	1534	On	2	3.6	36	
02/03/11	1433	On	3	3.6	36	
02/07/11	1600	On	3	3.4	36	
02/08/11	0700	On	2	3.4	36	
02/09/11	1254	On	2	3.4	36	
02/10/11	0640	Off	1	3.6	37	
02/11/11	0720	On	3	3.6	36	
02/14/11	1420	On	4	2.6	36	
02/15/11	800	On	4	2.6	38	
02/16/11	0803	On	1	3.6	37	
02/17/11	0843	On	3	3.8	36	
02/18/11	0810	Off	2	3.2	36	Off due to manifold alarm
02/21/11	1122	On	2	3.6	37	
02/22/11	806	On	1	3.8	38	
02/23/11	0823	On	2	3.6	38	
02/24/11	1152	Off	4	2.2	36	Off due to manifold alarm
02/25/11	1015	Off	3	3.6	36	Off due to manifold alarm
02/28/11	0944	On	1	3.8	36	ran all weekend
03/01/11	1120	On	2	3.8	36	
03/02/11	847	On	2	3.6	36	Was off when came back to fix split ring. Now running on valaves 7,8,9,10
03/03/11	0821	On	10	3.6	37	
03/04/11	0811	On	9	3.8	37	
03/07/11	0853	On	7	2.2	36	
03/08/11	0605	On	7	2	37	
03/09/11	600	On	7	2	37	
03/10/11	0747	On	8	3.4	36	
03/11/11	602	On	10	3.4	36	
03/14/11	0642	On	10	3.4	36	
03/15/11	0624	On	9	3.4	36	
03/16/11	0858	On	8	3.6	36	
03/17/11	0731	On	8	3.4	36	
03/18/11	0710	On	7	2	36	
03/21/11	0659	On	10	3.6	36	
03/22/11	1203	On	10	3.6	36	
03/23/11	0820	On	10	3.6	36	
03/24/11	0739	On	8	3.4	36	
03/25/11	0910	On	9	3.6	37	
03/28/11	1442	On	9	3.6	36	
03/29/11	0810	On	10	3.2	36	
03/30/11	928	On	10	3.4	36	
03/31/11	0858	On	8	3.8	36	
04/01/11	0824	On	10	3.2	36	
04/04/11	0822	OFF	NR	NR	NR	System off due to low air and broken regulator, AS and SVE system restarted
04/05/11	NR	OFF	NR	NR	NR	
04/06/11	NR	OFF	NR	NR	NR	
04/07/11	NR	OFF	NR	NR	NR	
04/08/11	NR	OFF	NR	NR	NR	
04/11/11	NR	OFF	NR	NR	NR	
04/12/11	NR	OFF	NR	NR	NR	
04/13/11	NR	OFF	NR	NR	NR	

Table E-3  
 Area 2140 Ozone Injection System  
 February 2011 - April 2011 O&M Data  
 Fort Drum, NY

Date	Time	System Condition	Injecting at Point	Air Flow Rate (scfm)	Air Flow Pressure (psi)	Notes
04/14/11	NR	OFF	NR	NR	NR	
04/15/11	NR	OFF	NR	NR	NR	
04/18/11	NR	OFF	NR	NR	NR	
04/19/11	NR	OFF	NR	NR	NR	
04/20/11	NR	OFF	NR	NR	NR	
04/21/11	NR	OFF	NR	NR	NR	
04/22/11	NR	OFF	NR	NR	NR	
04/26/11	NR	OFF	NR	NR	NR	
04/27/11	NR	OFF	NR	NR	NR	
04/28/11	NR	OFF	NR	NR	NR	
04/29/11	NR	OFF	NR	NR	NR	

**Notes:**

NR = Not Recorded.

scfm = Standard Cubic Feet per Minute

psi = Pressure per Square Inch

## **APPENDIX F**

### **Remedial System Action List**

**Appendix F**  
**February - April 2011**  
**Remedial System Action List**  
**Fort Drum, New York**

Date	Action Taken
<b>Area 1595</b>	
02/14/11	System was taken offline for stabilization prior to YSI sampling
03/15/11	System was taken offline for stabilization prior to YSI sampling
04/15/11	System was deactivated for the basewide sampling event
04/21/11	System was reactivated after the completion of the basewide sampling event
04/22/11	System was offline due to low air. The system was checked, reset and reactivated
04/26/11	System was offline due to a power outage. The system was checked, reset and reactivated
<b>Area 1795, System A</b>	
04/01/11	System was taken offline for maintenance
04/05/11	System reactivated
04/13/11	System was offline due to a power outage. The system was checked, reset and reactivated
04/15/11	System was deactivated for the basewide sampling event
04/21/11	System was reactivated after the completion of the basewide sampling event
04/26/11	System was offline due to a power outage. The system was checked, reset and reactivated
<b>Area 1795, System B</b>	
04/13/11	System was offline due to a power outage. The system was checked, reset and reactivated
04/15/11	System was deactivated for the basewide sampling event
04/21/11	System was reactivated after the completion of the basewide sampling event
04/26/11	System was offline due to a power outage. The system was checked, reset and reactivated
<b>Area 1795, System C</b>	
04/13/11	System was offline due to a power outage. The system was checked, reset and reactivated
04/15/11	System was deactivated for the basewide sampling event
04/22/11	System was reactivated after the completion of the basewide sampling event
04/26/11	System was offline due to a power outage. The system was checked, reset and reactivated
<b>Areas 3805 &amp; 1995, System A</b>	
-	N/A
<b>Areas 3805 &amp; 1995, System B</b>	
04/13/11	System was offline due to a power outage. The system was checked, reset and restarted
04/15/11	System was deactivated for the basewide sampling event
04/22/11	System was reactivated after the completion of the basewide sampling event
04/26/11	System was offline due to a power outage. The system was checked, reset and restarted
<b>Areas 3805 &amp; 1995, System C</b>	
04/11/11	The SVE portion of the system was reactivated after the necessary repairs were made
04/15/11	System was deactivated for the basewide sampling event
04/22/11	System was reactivated after the completion of the basewide sampling event
04/26/11	System was offline due to a power outage. The system was checked, reset and reactivated
<b>Areas 3805 &amp; 1995, System D</b>	
03/18/11	System was offline due to the LEL alarm fault. The system was checked, reset and reactivated.
04/13/11	System was offline due to a power outage. The system was checked, reset and reactivated
04/15/11	System was deactivated for the basewide sampling event
04/22/11	System was reactivated after the completion of the basewide sampling event

**Appendix F**  
**February - April 2011**  
**Remedial System Action List**  
**Fort Drum, New York**

<b>Date</b>	<b>Action Taken</b>
04/26/11	System was offline due to a power outage. The system was checked, reset and reactivated
<b><i>AAFES Station</i></b>	
04/04/11	System was activated while repairs were made to the ozone treatment system
04/15/11	System was deactivated for the basewide sampling event
04/21/11	System was reactivated after the completion of the basewide sampling event
<b><i>AAFES Station - Ozone System</i></b>	
02/18/11	System was offline due to a manifold alarm. The system was checked, reset and reactivated
02/24/11	System was offline due to a manifold alarm. The system was checked, reset and reactivated
02/25/11	System was offline due to a manifold alarm. The system was checked, reset and reactivated
04/04/11	System was offline due to a low air and a broken regulator. The system will remain offline until proper repairs can be made