

United States Army Fort Monmouth, New Jersey



**Building 283 (FTMM-62)
Building 290 (FTMM-55)
Building 296 (FTMM-54)
Landfill MP-18 (FTMM-18)**

Classification Exception Area

**U.S. Army Garrison Fort Monmouth, Main Post
Fort Monmouth, New Jersey**

Prepared by



**1913 Atlantic Avenue, Suite R5
Manasquan, New Jersey 08736
732-223-2225**

Brinkerhoff Project No. 09BR116

June 2011



New Jersey Department of Environmental Protection
Site Remediation Program

**CLASSIFICATION EXCEPTION AREA / WELL RESTRICTION AREA
(CEA/WRA) PERMIT FACT SHEET**

☐ Non-LSRP (Existing Cases) ☐ LSRP ☒ Subsurface Evaluator

Date Stamp
(For Department use only)

SECTION A. CASE INFORMATION

Case Name: Building 283 (FTMM-61), Building 290 (FTMM-55), Building 296 (FTMM-54), MP-18 Landfill (FTMM-18)

Case ID/Case Number: 97-08-28-1330-33 (Building 283) Preferred ID (PI Number):

CEA Component Information

1. **Contaminant(s):** This CEA/WRA applies only to the contaminants above the applicable numeric values established by Ground Water Quality Standards (GWQS), N.J.A.C. 7:9C, listed in the table below. List below the maximum value for all contaminants included in Exhibit A using any well or sampling point used to establish the CEA.

Contaminant	Concentration ⁽¹⁾	GWQS ⁽²⁾	SWQS ⁽³⁾	GWSL ⁽⁴⁾
Benzene	12.81	1	N/A	15
Lead	8.89	5	N/A	N/A
Tentatively Identified Compounds (TICs)	566	100/500	N/A	N/A

Notes: ⁽¹⁾ Maximum concentration in Micrograms Per Liter

⁽²⁾ New Jersey Ground Water Quality Standards, N.J.A.C. 7:9C

⁽³⁾ Surface Water Quality Standards, N.J.A.C. 7:9B - Applicable only where contaminants in the CEA may discharge to a surface water body. SWQS are human health based criteria.

⁽⁴⁾ Ground Water Screening Levels from most current NJDEP Vapor Intrusion Guidance

☐ If attaching an Addendum to list additional contaminants and associated information.

☒ **Exhibit A: Monitor Well/Sampling Point Data** – Per N.J.A.C 7:26E-8.3(b) submit a copy of a table that includes the most recent 24 months of ground water sampling.

2. **CEA Boundaries:**

Lot(s) and Block(s) included in the areal extent of the Classification Exception Area:

Year of tax map used: 2005

Block(s)	Lot(s)	Check if off-site
Oceanport 110	1	☐
		☐
		☐
		☐
		☐

Block(s)	Lot(s)	Check if off-site
		☐
		☐
		☐
		☐
		☐

☐ If attaching an Addendum to list additional Blocks/Lots and associated information.

☒ **Exhibit B: Site Location Maps** – USGS Quadrangle Map and Tax Lot and Block Map (N.J.A.C. 7:26E-8.3(b)3i and ii)

☒ **Exhibit C: Site Map(s) and Cross Section** – Including actual/predicted contaminant isopleths, ground water flow direction, CEA boundary, monitor well/sampling point/boring locations/IDs, area(s) of concern. N.J.A.C 7:26E-8.3(b)3iii through v.

Insert NAICS responsible for area(s) of concern, if known:

Narrative description of proposed CEA:

The vertical extent of the Site CEA includes the shallow part of the aquifer beneath the Site and it extends from the water table to approximately 20 feet bgs, which represents the total depth of the contaminated wells at the Site. Figure B-3 illustrates the horizontal extent of the CEA. The horizontal extent is defined by the combined benzene and lead areas.

Name of the affected Geologic Formation/Unit: Navesink-Hornerstown

Direction of ground water flow: N-NW

Ground Water Classification: II-A

Vertical Depth of CEA (ft bgs and msl)	Horizontal Extent of CEA (acres or square ft)
~20 feet bgs (~0 feet msl)	408,817 square feet (9.39 acres)

☒ **Exhibit D: Vertical Contaminant Data** – A table, for the most recent 24 months of data, for each sampling point used to establish the CEA, or the subset of wells indicated in N.J.A.C. 7:26E-8.3(b)3iii, iv and v, that includes the following:

Depth (in feet bgs and msl elevation) to:

Water Table	Approximate Bottom of Plume ⁽⁵⁾	Top of Plume ⁽⁶⁾	Thickness of Clean Water Lens ⁽⁶⁾
-------------	--	-----------------------------	--

Notes: ⁽⁵⁾ Approximate maximum depth of contamination based on data included in Remedial Investigation Report (RIR);
⁽⁶⁾ Required only if plume is known to be below the water table based on vertical profiling or monitor well data in RIR.

Exhibit E: Fate and Transport Description and Model Documentation

- ☐ Historic Fill exemption
☒ All information required pursuant to N.J.A.C. 7:26E-8.3(b)2 and applicable guidance is included.

3. Projected Term of CEA: Based on modeling/calculations in Exhibit E

Proposed Duration in Years: Indeterminate (Lead)

SECTION B. CURRENT AND PROJECTED GROUND WATER USE DOCUMENTATION

☒ **Exhibit F: Well Search Results** – Include most recent well search per N.J.A.C. 7:26E-1.17.

Check each item where, pursuant to N.J.A.C. 7:26E-8.3(b)4, written documentation was obtained regarding future ground water use for a 25-year planning horizon based on:

- ☒ Municipal master plans
☒ Zoning plans
☒ Local water purveyor plans and planning data pertaining to the existence of water lines and proposed future installation of water lines
☒ Local planning officials
☒ County and local boards of health
☒ Local and/or county ordinances restricting installation of potable wells

SECTION C. WELL RESTRICTION INFORMATION

For Class II-A ground water and pursuant to the GWQS at N.J.A.C. 7:9C-1.6(d), where ground water quality data indicate contaminants exceed the values listed in the Primary Drinking Water Regulations, the Department shall restrict, or require the restriction of, potable ground water uses within any CEA. Therefore, the CEA established for this site is also a Well Restriction Area, the extent of which coincides with the boundaries of the CEA.

Well Restrictions set within the boundaries of the CEA:

- ☒ Double Case Wells
☒ Sample Potable Wells
☒ Evaluate Production Wells
☐ Other

Notify Department that letters were sent per N.J.A.C. 7:26E-8.3(b)5 (check all applicable categories):

- ☒ Municipal and county clerk(s)
☒ Local, county or regional health department(s)
☒ Designated County Environmental Health Act agency (if applicable)
☒ County Planning Board
☐ Pinelands Commission (if applicable)
☐ Owners of real property overlying CEA foot print

[illegible]

SECTION E. SUBSURFACE EVALUATOR UST REPORT CERTIFICATION FORM

I certify under penalty of law that the work was performed under my oversight and I have reviewed the report and all attached documents, and the submitted information is true, accurate and complete in accordance with the requirements of N.J.A.C. 7:14B and N.J.A.C. 7:26E. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information including fines and/or imprisonment.

Name: _____ UST Cert. No.: _____
Firm: _____ Firm's UST Cert. Number: _____
Firm Address: _____
City/Town: _____ State: _____ Zip Code: _____
Phone Number: _____ Ext: _____ Fax: _____
Signature: _____ Date: _____

No Changes Since Last Submittal ☐

Completed forms should be sent to:

Bureau of Case Assignment & Initial Notice
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street
PO Box 420
Mail Code 401-05
Trenton, NJ 08625

Exhibit A

Monitoring Well/Sampling Point Data

EXHIBIT A

1.0 INTRODUCTION

This report discusses current ground water conditions and presents a ground water Classification Exception Area (CEA) for the Fort Monmouth MP-18 Landfill, known as the FTMM-18 area, Building 283, known as FTMM-61 area, Building 290, known as FTMM-55, and Buildings 296, known as FTMM-54 in Monmouth County, New Jersey (hereinafter referred to as the Site).

The work recently completed consisted of analyzing the historical ground water quality database to evaluate trends, reviewing the most recent ground water sample collection (4th Quarter 2008 to 3rd Quarter 2010) to select the constituents of potential concern (COPCs) at the Site (the constituents with concentrations exceeding the New Jersey Department of Environmental Protection [NJDEP] Ground Water Quality Standards [GWQS]), model the ground water fate and transport of COPCs to determine CEA duration, as well as to predict the future extent of the CEA.

Brinkerhoff Environmental Services, Inc. (Brinkerhoff) completed this work in accordance with current NJDEP guidelines, specifically the procedures described in the *Final Guidance on Designation of CEAs* and the *Technical Requirements for Site Remediation (Technical Requirements)*, New Jersey Administrative Code [N.J.A.C.] 7:26E-8.4, last amended on November 4, 2009.

The following sections of this report provide the information required to define the CEA for the Site. Included are the following:

- A description of subsurface stratigraphic and hydrogeologic conditions beneath the Site;
- A description of the ground water quality at the Site;
- A list of COPCs at the Site known to be present at concentrations greater than the NJDEP GWQS;
- A determination of the horizontal and vertical extent of the CEA;
- A determination of the duration of the CEA;
- A written and mapped description of the CEA, including electronic and paper copies of the map of the CEA compatible with the NJDEP GIS (Geographic Information Systems (NAD [North American Datum] 83);
- An evaluation of the area encompassed by the CEA to determine if the area is a ground water use area as defined by NJDEP; and
- Notification to the appropriate agencies of the intent to establish the CEA.

2.0 BACKGROUND

2.1 Site Setting and History

The Site contains four of the Main Post areas of concern (AOCs) at the Fort Monmouth United States (U.S.) Army installation in Monmouth County, New Jersey.

The MP-18 Landfill (FTMM-18) is a former training area utilized by the Army Signal School and other Army units, located on the Main Post, between Parkers Creek to the north and Buildings 283, 289, 293 and 294 to the south. The 4.1 acre Site is partially paved and the remaining portion is an open sandy area. A tidal marsh adjoins the Site. Historical investigations identified diesel and gasoline generators along with other types of military vehicles being used at this Site, and numerous fuel spills occurred at the Site as a result of these activities. Historical ground water sampling show that arsenic, lead and 4,4-DDD were detected in downgradient monitoring wells at concentrations exceeding the NJDEP GWQS. Therefore long term monitoring of ground water and surface water has been implemented at the M-18 Landfill.

Building 290 (FTMM-55) is the area of a former UST system. The FTMM-55 area formerly served as a motor pool for a military unit that has since left Fort Monmouth. The tanks were used to store gasoline and they were both removed on September 2, 1994. The tank site was reported to the NJDEP as a discharge to the environment Case # 93-11-30-1246-27. In accordance with NJDEP UST Site Assessment activity requirements, the DPW was required to install 2 monitoring wells (1 down gradient of the potential discharge area) to determine any adverse impact to the environment. The results of the Site assessment identified lead and silver in ground water exceeding the NJDEP GWQS. On July 2, 1996, a construction activity identified gasoline contaminated soil within 50 feet of where the USTs were located. The soil was sampled and was found to be contaminated with petroleum in excess of 17,000 mg/kg Total Petroleum Hydrocarbons (TPHC). The area is suspected to be the previously unknown dispenser area for the USTs. The maximum allowable TPHC value for soils permitted to be left in the ground under NJDEP Cleanup Criteria is less than 10,000 mg/kg. Long term monitoring of ground water has been implemented at the Site.

Building 296 (FTMM-54) is a former fuel distribution facility which was abandoned and then rediscovered during a renovation project at Building 296. This building dates back to the 1940's and is located on Sherrill Avenue. The UST system was comprised of ten 1,000 gallon tanks which stored various types of fuel products. These products were distributed from remote pumping islands located over 450 feet from the UST field and within 50 feet of Parkers Creek (a sensitive estuarine marsh area). Between November and December of 1993 the previously unknown fuel distribution system was removed and the source of contamination was eliminated. Since that time monitoring wells have been installed to help delineate extent of contamination at the Site. Historical data show that benzene and lead have been detected above NJDEP GWQS. Therefore long term monitoring of ground water and surface water has been implemented.

Building 283 (FTMM-61) is located in the northern portion of the Main Post at the intersection of Sherrill Avenue and Brewer Avenue, approximately 200 feet south of Parkers Creek, and encompasses approximately 2.75 acres. In 1995, the DPW submitted a Site Investigation Report (SIR) for the Main Post and Charles Wood Areas, and as part of the DPW's UST management program, one gasoline tank closure and one No. 2 fuel oil report (September 1998 and October 2000) have been submitted to NJDEP for USTs in the immediate vicinity of Building 283, along with a program to implement long term monitoring of ground water and surface water. On August 28, 1997, following removal of a gasoline UST, a spill was reported to the NJDEP and NJDEP Case No. 97-08-28-1330-33 was assigned to Building 283. Approximately 400 cubic yards of impacted soil were removed and disposed off site. Remedial injections have been performed at the Site, and future injections are planned for 2011.

As it can be seen in the above paragraphs, during the historical investigations performed at all four Sites, VOCs, pesticides and metals were the COPCs detected above the NJDEP GWQS. Current activities at the FTMM-18, FTMM-54, FTMM-55 and FTMM-61 are limited to those relative to the cleanup of the Site under the *Technical Requirements* (N.J.A.C. 7:26E), and consists of long term monitoring of ground water and surface water.

2.2 Monitoring Well/Sampling Point Data

The Fort Monmouth DPW sampled ground water monitoring wells at the Site from the 4th Quarter of 2008 through the 3rd Quarter of 2010. Analyses of this data can be found in the Remedial Action Documents prepared by Brinkerhoff (Building 283) and Tetra Tech, EM Inc. (Building 290, 296, and Landfill MP-18) in 2011.

Recent (September 2008 - September 2010) measured concentrations of metals - antimony, arsenic, cadmium and lead, and one VOC - benzene, exceeded the NJDEP GWQS. Table A-1, located within this Exhibit, provides a ground water exceedance summary for the 4th Quarter of 2008 to the 3rd Quarter of 2010.

2.2.1 Metals

Four metals (antimony, arsenic, cadmium, and lead) were detected in ground water at the Site during the September 2010 sampling event at concentrations exceeding NJDEP GWQS. These metals and their concentrations are presented on Table C-1 located within Exhibit C. Antimony exceeds the NJDEP GWQS of 6 micrograms per liter ($\mu\text{g/L}$) at nearly all of the wells with detected concentrations at the Site (Exhibit C, Figure C-2), while arsenic shows only six exceedances (12.98, 3.69, 7.05, 13.46, 19.4 and 6.2 $\mu\text{g/L}$) of the NJDEP GWQS of 3 $\mu\text{g/L}$ at wells 283MW02, 283MW03, 296MW03, 296MW04, 296MW08, and MP18MW25 (Exhibit C, Figure C-3). Cadmium shows only one exceedance (46.2 $\mu\text{g/L}$) of the NJDEP GWQS of 4 $\mu\text{g/L}$ at well 296MW03 (Exhibit C, Figure C-4), and lead shows only two exceedances (7.24 and 8.89 $\mu\text{g/L}$) of NJDEP GWQS of 5 $\mu\text{g/L}$ at wells 296MW04 and MP18MW25 (Exhibit C, Figure C-5).

Metals are known to migrate slowly and not degrade. Metals in ground water throughout Fort Monmouth were evaluated using statistical analyses and published literature information (Brinkerhoff, 2011 *Background Metals Evaluation*). It was concluded that the metals in ground water are likely a combination of a natural dissolved component along with input from sample turbidity. Due to the interference from sample turbidity, exceedances of the GWQS by actual dissolved-phase metals are not certain.

The presence of antimony, arsenic and cadmium at the Site is attributed to naturally occurring background conditions. Therefore, they are not considered contaminants of concern, and are not included in the CEA application.

Due to its common industrial use, the source of lead is less certain, and therefore it remains a COPC and is included in this CEA. Based on the findings of Brinkerhoff's *Background Metals Evaluation*, modeling of the metals is not practical, and the CEA time-frame is therefore indeterminate. (Refer to the Background Metals Evaluation prepared by Brinkerhoff in 2011 for more information).

2.2.2 Volatile Organic Compounds (VOCs)

During the September 2010 sampling events, one VOC: benzene was detected in ground water at the Site at concentrations exceeding NJDEP GWQS (Exhibit C, Table C-2 and Figure C-8), and were included in the CEA application.

Historical VOC data for benzene were analyzed (Exhibit C, Figures C-9, C-10 and C-11) to evaluate Site-specific depletion.

Figure C-6 shows the maximum August 2000 benzene concentration distribution, and Figure C-7 shows the May 2010 benzene concentration distribution.

The September 2010 concentrations for benzene were used to generate the September 2010 CEA extent, as well as to calibrate the MODFLOW-MT3D fate and transport model. The maximum 2000 data was used as initial concentrations in the MODFLOW-MT3D model and the historical benzene data was used to determine the CEA extent variation with time and the CEA duration.

2.2.3 VOCs Tentatively Identified Compounds (TICs)

For Building 283, VOC TICs were detected at concentrations greater than the NJDEP GWQS (566 µg/L in 283MW02) during the September 2010 sampling event. Monitoring well 283MW02 also has historically high measured benzene concentrations.

Although TICs are included in the CEA application, they are not incorporated in the fate and transport modeling due to the non-specific nature of the TICs (they represent multiple compounds with varying chemical properties), and the variable concentrations identified within the last eight quarters.

Considering the fact that the TICs are present at the same well which also had historic benzene concentrations above the NJDEP GWQS, the TICs are within the 2010 proposed boundary for VOCs. (Site data suggests that the TICs are not migrating.)

Should TICs continue to be detected in excess of the GWQS during future sampling events, adjustments to the CEA may be needed during the performance of biennial certifications to account for such persistence.

2.3 Regional Geology and Hydrogeology

The Site is situated within the New Jersey Coastal Plain Province (Zapeczka 1989) at an elevation of approximately 20 feet above mean sea level (United States Geological Survey [USGS] 1995). Mill Creek is located to the west of the Site and flows east towards Parkers Creek located north of the Site. Mill/Parker Creek are tidally influenced and classified as a wetland by the U.S. Fish & Wildlife Service National Wetlands Inventory (Directorate of Public Works (DPW) Environmental Office 1997).

Previous geologic investigations prepared for the Site have described the underlying shallow unconsolidated deposits below ground surface (bgs) as "predominantly derived from deltaic, shallow marine, and continental shelf environments", consisting of "clay, silt, sand, and gravel" (DPW Environmental Office 1997). The Soil Survey of Monmouth County classified most of the soil on the Main Post as urban land (developed land with disturbed soils) and labeled the soil as Udorthent soils, which are soils altered by excavating or filling. The small portion of the Main Post, which is otherwise classified, includes a mixture of soil types (loam, clay, sandy loam, etc.) and has low to moderate permeability and is poorly-to-well-drained.

Exhibit C, Figure C-12 illustrates a generalized geologic cross section at the Site, using well construction information (Exhibit C, Table C-3). The Navesink Formation and Hornerstown Sand is a Class II-A aquifer and is sampled at the Site from the water table, approximately seven feet bgs to a depth of approximately 20 feet bgs. Therefore, the total aquifer thickness beneath the Site is considered to be approximately 20 feet (total depth of the wells).

As can be observed from Exhibit C, Tables C-1 and C-2, the impacted wells at the Site are the shallow wells screened at a maximum of 20 feet bgs. The water table occurs at a depth ranging from approximately 2 to 11 feet bgs (Exhibit C, Table C-3). The flow in this aquifer beneath the Site is towards the Mill/Parkers Creek, as shown by the ground water elevation contours (Exhibit C, Figure C-13) prepared for the September 2010 sampling event at the Site.

Table A - 1
Groundwater Exceedance Summary
Building 283 (FTMM-61), Fort Monmouth NJ
1st Quarter 2009 through 3rd Quarter 2010

	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Chromium	Lead
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	70	5
D	283MW01	10/23/2008	ND	ND	ND	1.20 ER	1.05 ER	ND
	283MW01	10/23/2008	ND	3.95 ER	ND	1.21 ER	1.08 ER	2.48 ER
	283MW02	10/23/2008	ND	13.3	48.45	0.203 ER	1.80 ER	7.34
	283MW03	10/23/2008	ND	ND	ND	0.208 ER	ND	ND
	283MW04	10/23/2008	ND	ND	ND	0.202 ER	0.655 ER	2.37 ER
	283MW05	10/23/2008	ND	6.81	ND	0.266 ER	0.720 ER	2.13 ER
	283MW06	10/23/2008	ND	ND	ND	0.240 ER	0.659 ER	1.80 ER

	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Chromium	Lead
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	70	5
D	283MW01	3/12/2009	10.3	10.3	ND	0.832	1.28 ER	ND
	283MW01	3/12/2009	ND	2.98 ER	ND	0.787	1.43 ER	1.53 ER
	283MW02	3/12/2009	1.29 ER	39.1	20.86	ND	14	10.4
	283MW03	3/12/2009	12.1	64	ND	0.136 ER	1.11 ER	7.1
	283MW04	3/12/2009	ND	ND	ND	ND	2.02 ER	ND
	283MW05	3/12/2009	ND	ND	ND	0.151 ER	1.61 ER	ND
	283MW06	3/12/2009	ND	ND	ND	0.124 ER	2.83 ER	3.42 ER

Notes:

NA - Not analyzed

ND - Non-detect

D - Duplicate sample

ER - Estimated result

Exhibit A

Table A - 1
Groundwater Exceedance Summary
Building 283 (FTMM-61), Fort Monmouth NJ
1st Quarter 2009 through 3rd Quarter 2010

	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Chromium	Lead
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	70	5
D	283MW01	5/19/2009	2.03 ER	11.9	ND	0.677	0.394 ER	ND
	283MW01	5/19/2009	1.20 ER	1.20 ER	ND	0.713	0.663 ER	2.62 ER
	283MW02	5/19/2009	ND	14.4	19.57	ND	2.91 ER	6.03
	283MW03	5/19/2009	1.44 ER	20.5	ND	ND	ND	2.12 ER
	283MW04	5/19/2009	2.57 ER	ND	ND	0.118 ER	3.77 ER	2.66 ER
	283MW05	5/19/2009	1.66 ER	6.54	ND	1.32	1.50 ER	ND
	283MW06	5/19/2009	3.29 ER	5.09	ND	ND	1.46 ER	ND

	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Chromium	Lead
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	70	5
	283MW01	8/19/2009	ND	5.48	ND	1.01	1.58 ER	ND
	283MW02	8/19/2009	10.3	38.2	4.03	ND	17.8	6.52
	283MW03	8/19/2009	4.97 ER	20.9	ND	0.279 ER	ND	ND
	283MW04	8/19/2009	ND	10.9	ND	0.209 ER	6.84	ND
	283MW05	9/17/2009	ND	41.6	ND	1.48	272	14.7
D	283MW06	8/19/2009	4.87 ER	11.2	ND	0.541	11.7	3.76 ER
	283MW06	8/19/2009	ND	13.8	ND	0.792	12.1	6.67

Notes:

NA - Not analyzed

ND - Non-detect

D - Duplicate sample

ER - Estimated result

Table A - 1
Groundwater Exceedance Summary
Building 283 (FTMM-61), Fort Monmouth NJ
1st Quarter 2009 through 3rd Quarter 2010

	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Chromium	Lead
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	70	5
	283MW01	11/5/2009	ND	1.27 ER	ND	1	ND	ND
	283MW02	11/5/2009	ND	ND	1.57	ND	13.5	5.53
	283MW03	11/5/2009	ND	4.75 ER	ND	0.160 ER	ND	ND
D	283MW04	11/5/2009	ND	69.48	ND	0.260 ER	11.6	ND
	283MW04	11/5/2009	ND	41.87	ND	0.20 ER	9.6	ND
	283MW05	11/5/2009	ND	18.95	ND	0.120 ER	4.53 ER	ND
	283MW06	11/5/2009	ND	30.76	ND	0.461 ER	19.2	5.25

	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Chromium	Lead
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	70	5
	283MW01	1/26/2010	5.09 ER	ND	ND	0.901	ND	ND
	283MW02	1/26/2010	ND	8.38	3.83	ND	6.12	6.95
	283MW03	1/26/2010	ND	3.69 ER	ND	0.120 ER	ND	ND
	283MW04	1/26/2010	5.43 ER	38.13	ND	0.116 ER	4.96 ER	ND
D	283MW04	1/26/2010	ND	26.55	ND	0.093 ER	8.28	ND
	283MW05	1/26/2010	ND	4.24 ER	ND	ND	1.24 ER	ND
	283MW06	1/26/2010	ND	14.32	ND	0.198 ER	7.7	ND

Notes:

NA - Not analyzed

ND - Non-detect

D - Duplicate sample

ER - Estimated result

Exhibit A

Table A - 1
Groundwater Exceedance Summary
Building 283 (FTMM-61), Fort Monmouth NJ
1st Quarter 2009 through 3rd Quarter 2010

	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Chromium	Lead
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	70	5
	283MW01	5/17/2010	ND	1.34 ER	ND	0.844	ND	ND
D	283MW02	5/20/2010	10.2	23.28	ND	ND	1.44 ER	10.2
	283MW02	5/20/2010	6.27 ER	22.61	ND	0.043 ER	1.44 ER	11.5
D	283MW03	5/17/2010	ND	3.95 ER	ND	0.073 ER	ND	ND
	283MW03	5/17/2010	ND	3.59 ER	ND	0.054 ER	ND	ND
	283MW04	5/17/2010	ND	1.44 ER	ND	ND	ND	ND
	283MW05	5/17/2010	ND	1.15 ER	ND	0.053 ER	ND	ND
	283MW06	5/17/2010	ND	2.22 ER	ND	ND	4.11 ER	ND

	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Chromium	Lead
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	70	5
	283MW01	9/29/2010	8.19 ER	ND	ND	0.551	ND	ND
	283MW02	9/30/2010	19.1	12.98	0.87	ND	2.84 ER	4.13 ER
	283MW03	9/30/2010	14.3	3.69 ER	ND	0.074 ER	ND	ND
	283MW04	9/30/2010	5.14 ER	ND	ND	ND	2.68 ER	ND
	283MW05	9/30/2010	ND	ND	ND	ND	3.38 ER	ND
D	283MW06	9/30/2010	10.9	0.670 ER	ND	ND	8.67	ND
	283MW06	9/30/2010	9.65 ER	1.20 ER	ND	ND	8.00	ND

Notes:

NA - Not analyzed

ND - Non-detect

D - Duplicate sample

ER - Estimated result

Exhibit A

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
4th Quarter 2008

Notes:	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Cadmium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	4
	290MW01	10/24/2008	ND	ND	NA	ND	0.849 ER
D	296MW01	10/24/2008	ND	ND	ND	ND	0.527 ER
	296MW01	10/24/2008	ND	2.66 ER	ND	ND	0.479 ER
	296MW02	10/24/2008	ND	5.21	ND	ND	0.490 ER
	296MW03	10/24/2008	ND	3.55 ER	ND	ND	1.71 ER
	296MW04	10/24/2008	ND	ND	ND	ND	0.725 ER
	296MW06	10/24/2008	ND	ND	1.74 J	ND	ND
	296MW07	10/24/2008	ND	3.82 ER	ND	ND	0.773 ER
	296MW08	10/24/2008	3.06 ER	42.3	ND	ND	ND
	MP18MW24	10/24/2008	ND	ND	NA	ND	0.568 ER
	MP18MW25	10/24/2008	11.7	ND	NA	ND	ND

Notes:

Concentrations reported in µg/L

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
4th Quarter 2008

Notes:	Well ID	Date Collected	Chromium	Lead	Thallium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			<i>70</i>	<i>5</i>	<i>2</i>
	290MW01	10/24/2008	ND	24.3	ND
D	296MW01	10/24/2008	0.734 ER	ND	ND
	296MW01	10/24/2008	ND	ND	ND
	296MW02	10/24/2008	2.45 ER	ND	ND
	296MW03	10/24/2008	1.85 ER	ND	ND
	296MW04	10/24/2008	ND	ND	ND
	296MW06	10/24/2008	ND	ND	ND
	296MW07	10/24/2008	ND	ND	ND
	296MW08	10/24/2008	ND	ND	ND
	MP18MW24	10/24/2008	ND	ND	7.19 ER
	MP18MW25	10/24/2008	ND	ND	2.21 ER

Notes:

Concentrations reported in µg/L

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
1st Quarter 2009

Notes:	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Cadmium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	4
	290MW01	3/26/2009	34.7	123	NA	ND	6.68
D	296MW01	3/26/2009	14.6	52.9	ND	ND	0.540 ER
	296MW01	3/26/2009	22.7	56.0	ND	ND	0.206 ER
	296MW02	3/26/2009	7.54 ER	26.7	ND	ND	1.17 ER
D	296MW03	3/25/2009	9.54 ER	19.0	ND	ND	1.41 ER
	296MW03	3/25/2009	9.10 ER	21.9	ND	ND	1.39 ER
	296MW04	3/26/2009	19.4	67.0	0.39 J	ND	ND
	296MW06	3/25/2009	38.1	67.6	ND	ND	ND
	296MW07	3/26/2009	21.2	33.1	ND	ND	0.962 ER
	296MW08	3/26/2009	25.0	54.3	ND	ND	ND
	MP18MW24	3/25/2009	28.2	140	NA	ND	ND
	MP18MW25	3/26/2009	22.7	112	NA	ND	ND

Notes:

Concentrations reported in µg/L

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
1st Quarter 2009

Notes:	Well ID	Date Collected	Chromium	Lead	Thallium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			<i>70</i>	<i>5</i>	<i>2</i>
	290MW01	3/26/2009	ND	7.79	ND
D	296MW01	3/26/2009	0.519 ER	7.06	ND
	296MW01	3/26/2009	0.342 ER	5.90	ND
	296MW02	3/26/2009	4.49 ER	7.34	ND
D	296MW03	3/25/2009	1.57 ER	7.33	ND
	296MW03	3/25/2009	2.30 ER	5.51	ND
	296MW04	3/26/2009	1.38 ER	7.39	ND
	296MW06	3/25/2009	ND	7.43	ND
	296MW07	3/26/2009	0.848 ER	8.39	ND
	296MW08	3/26/2009	ND	13.2	ND
	MP18MW24	3/25/2009	ND	5.87	36.5
	MP18MW25	3/26/2009	ND	11.5	ND

Notes:

Concentrations reported in µg/L

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
2nd Quarter 2009

Notes:	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Cadmium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	4
	290MW01	6/2/2009	ND	13.9	NA	ND	ND
D	296MW01	6/2/2009	2.29 ER	7.64	ND	0.126 ER	ND
	296MW01	6/2/2009	1.89 ER	11.0	ND	0.101 ER	ND
	296MW02	6/2/2009	2.43 ER	5.01	ND	ND	0.729 ER
	296MW03	6/2/2009	3.05 ER	ND	ND	ND	0.689 ER
	296MW04	6/2/2009	4.06 ER	20.3	0.38 J	ND	ND
	296MW06	6/2/2009	2.94 ER	6.66	ND	ND	ND
	296MW07	6/2/2009	2.30 ER	15.1	ND	0.103 ER	2.02
	296MW08	6/2/2009	2.53 ER	57.1	ND	0.178 ER	1.03 ER
	MP18MW24	6/2/2009	8.00 ER	ND	NA	ND	ND
	MP18MW25	6/2/2009	6.19 ER	15.4	NA	ND	ND

Notes:

Concentrations reported in µg/L

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
2nd Quarter 2009

Notes	Well ID	Date Collected	Chromium	Lead	Thallium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			70	5	2
	290MW01	6/2/2009	ND	3.28 ER	ND
D	296MW01	6/2/2009	ND	ND	1.45 ER
	296MW01	6/2/2009	ND	9.32	1.36 ER
	296MW02	6/2/2009	2.46 ER	ND	ND
	296MW03	6/2/2009	1.98 ER	2.56 ER	ND
	296MW04	6/2/2009	ND	3.92 ER	ND
	296MW06	6/2/2009	2.24 ER	1.81 ER	ND
	296MW07	6/2/2009	0.365 ER	1.56 ER	2.41 ER
	296MW08	6/2/2009	ND	4.25 ER	ND
	MP18MW24	6/2/2009	ND	3.07 ER	ND
	MP18MW25	6/2/2009	ND	ND	ND

Notes:

Concentrations reported in µg/L

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
3rd Quarter 2009

Notes:	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Cadmium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	4
	290MW01	9/17/2009	ND	20.9	NA	ND	ND
	296MW01	9/17/2009	ND	12.4	ND	ND	ND
	296MW02	9/17/2009	ND	7.47	ND	0.107 ER	2.86
	296MW03	9/17/2009	6.05 ER	8.49	ND	0.122 ER	3.53
	296MW04	9/17/2009	7.82 ER	28.0	ND	ND	ND
	296MW06	9/17/2009	11.0	35.2	ND	ND	1.41 ER
D	296MW07	9/17/2009	ND	16.3	ND	ND	0.808 ER
	296MW07	9/17/2009	ND	11.1	ND	ND	0.524 ER
	296MW08	9/17/2009	ND	81.1	ND	0.083 ER	3.88
	MP18MW24	9/17/2009	ND	42.9	NA	ND	3.17
	MP18MW25	9/17/2009	ND	52	NA	ND	2.05

Notes:

Concentrations reported in µg/L

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
3rd Quarter 2009

Notes:	Well ID	Date Collected	Chromium	Lead	Thallium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			<i>70</i>	<i>5</i>	<i>2</i>
	290MW01	9/17/2009	ND	15.2	ND
	296MW01	9/17/2009	ND	ND	ND
	296MW02	9/17/2009	12.2	36.1	ND
	296MW03	9/17/2009	1.45 ER	ND	ND
	296MW04	9/17/2009	ND	ND	ND
	296MW06	9/17/2009	1.13 ER	6.43	ND
D	296MW07	9/17/2009	2.56 ER	ND	ND
	296MW07	9/17/2009	2.33 ER	ND	ND
	296MW08	9/17/2009	2.63 ER	10.0	ND
	MP18MW24	9/17/2009	ND	ND	ND
	MP18MW25	9/17/2009	ND	ND	ND

Notes:

Concentrations reported in µg/L

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
4th Quarter 2009

Notes:	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Cadmium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	4
	290MW01	11/23/2009	ND	3.20 ER	NA	ND	ND
	296MW01	11/23/2009	5.41 ER	0.74 ER	ND	ND	ND
	296MW02	11/23/2009	ND	2.60 ER	ND	ND	ND
	296MW03	11/23/2009	ND	0.71 ER	ND	ND	1.63 ER
	296MW04	11/23/2009	ND	1.76 ER	ND	ND	ND
	296MW06	11/23/2009	ND	1.34 ER	ND	ND	ND
D	296MW07	11/23/2009	ND	3.28 ER	ND	ND	ND
	296MW07	11/23/2009	ND	2.91 ER	ND	ND	0.556 ER
	296MW08	11/23/2009	ND	23.8	ND	0.051 ER	ND
	MP18MW24	11/23/2009	ND	1.33 ER	NA	ND	ND
	MP18MW25	11/23/2009	ND	2.98 ER	NA	ND	ND

Notes:

Concentrations reported in µg/L

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
4th Quarter 2009

Notes:	Well ID	Date Collected	Chromium	Lead	Thallium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			<i>70</i>	<i>5</i>	<i>2</i>
	290MW01	11/23/2009	ND	2.95 ER	ND
	296MW01	11/23/2009	ND	ND	ND
	296MW02	11/23/2009	1.86 ER	2.73 ER	ND
	296MW03	11/23/2009	ND	ND	ND
	296MW04	11/23/2009	ND	ND	ND
	296MW06	11/23/2009	3.21 ER	ND	ND
D	296MW07	11/23/2009	ND	ND	ND
	296MW07	11/23/2009	ND	ND	ND
	296MW08	11/23/2009	ND	6.10	ND
	MP18MW24	11/23/2009	ND	ND	ND
	MP18MW25	11/23/2009	ND	ND	ND

Notes:

Concentrations reported in µg/L

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
1st Quarter 2010

Notes:	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Cadmium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	4
LF	290MW01	2/2/2010	8.36 ER	2.96 ER	NA	ND	0.634 ER
LF	296MW01	2/2/2010	ND	1.30 ER	ND	ND	ND
LF	296MW02	2/2/2010	ND	75.08	ND	9.99	184
LF	296MW03	2/2/2010	ND	0.72 ER	ND	ND	1.18 ER
LF	296MW04	2/2/2010	ND	1.48 ER	0.27 J	ND	ND
LF	296MW06	2/2/2010	ND	ND	ND	ND	ND
LF, D	296MW07	2/2/2010	ND	2.69 ER	ND	ND	ND
LF	296MW07	2/2/2010	ND	2.61 ER	ND	ND	ND
LF	296MW08	2/2/2010	ND	22.53	ND	0.110 ER	2.57
LF	MP18MW24	2/2/2010	ND	1.86 ER	NA	ND	ND
LF	MP18MW25	2/2/2010	6.43 ER	8.11	NA	ND	ND

Notes:

Concentrations reported in µg/L

Monitor Wells Sampled via Low-Flow Method

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
1st Quarter 2010

Notes:	Well ID	Date Collected	Chromium	Lead	Thallium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			70	5	2
LF	290MW01	2/2/2010	ND	ND	ND
LF	296MW01	2/2/2010	ND	ND	ND
LF	296MW02	2/2/2010	840	1060	ND
LF	296MW03	2/2/2010	1.93 ER	ND	ND
LF	296MW04	2/2/2010	2.10 ER	2.40 ER	ND
LF	296MW06	2/2/2010	ND	ND	ND
LF, D	296MW07	2/2/2010	3.58 ER	ND	ND
LF	296MW07	2/2/2010	3.20 ER	ND	ND
LF	296MW08	2/2/2010	ND	8.58	ND
LF	MP18MW24	2/2/2010	ND	ND	ND
LF	MP18MW25	2/2/2010	ND	ND	ND

Notes:

Concentrations reported in µg/L

Monitor Wells Sampled via Low-Flow Method

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
2nd Quarter 2010

Notes:	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Cadmium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	4
LF	290MW01	5/10/2010	8.50 ER	1.21 ER	NA	ND	0.910 ER
LF, D	290MW01	5/10/2010	9.59 ER	1.22 ER	NA	ND	0.780 ER
LF	296MW01	5/20/2010	ND	1.31 ER	ND	0.075 ER	0.692 ER
LF	296MW02	5/21/2010	11.8	0.830 ER	ND	0.067	8.51
LF, D	296MW03	5/21/2010	ND	ND	ND	ND	0.874 ER
LF	296MW03	5/21/2010	ND	ND	ND	ND	ND
LF	296MW04	5/21/2010	ND	13.59	ND	0.048 ER	ND
LF	296MW06	5/21/2010	10.7	22.9	27.45	0.044 ER	2.04
LF	296MW07	5/20/2010	ND	3.01 ER	ND	ND	ND
LF	296MW08	5/21/2010	10	8.84	ND	0.297 ER	4.02
LF	MP18MW24	5/14/2010	15.9	1.25	NA	ND	0.942 ER
LF, D	MP18MW25	5/14/2010	14.7	1.28 ER	NA	ND	0.953 ER
LF	MP18MW25	5/14/2010	16.3	2.15	NA	ND	1.20 ER

Notes:

Concentrations reported in µg/L

LF - Monitor Wells Sampled via Low-Flow Method

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
2nd Quarter 2010

Notes:	Well ID	Date Collected	Chromium	Lead	Thallium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			70	5	2
LF	290MW01	5/10/2010	ND	ND	ND
LF, D	290MW01	5/10/2010	ND	ND	ND
LF	296MW01	5/20/2010	ND	ND	ND
LF	296MW02	5/21/2010	ND	4.51 ER	ND
LF, D	296MW03	5/21/2010	ND	ND	ND
LF	296MW03	5/21/2010	ND	ND	ND
LF	296MW04	5/21/2010	5.79	ND	ND
LF	296MW06	5/21/2010	ND	4.50 ER	ND
LF	296MW07	5/20/2010	ND	ND	ND
LF	296MW08	5/21/2010	ND	ND	ND
LF	MP18MW24	5/14/2010	ND	3.58 ER	ND
LF, D	MP18MW25	5/14/2010	ND	3.08 ER	ND
LF	MP18MW25	5/14/2010	ND	3.31 ER	ND

Notes:

Concentrations reported in µg/L

LF - Monitor Wells Sampled via Low-Flow Method

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
3rd Quarter 2010

Notes:	Well ID	Date Collected	Antimony	Arsenic	Benzene	Beryllium	Cadmium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			6	3	1	1	4
LF	290MW01	9/10/2010	7.51 ER	2.78 ER	NA	ND	0.868 ER
LF, D	290MW01	9/10/2010	8.30 ER	3.15 ER	NA	ND	0.857 ER
LF	296MW01	9/10/2010	13.6	0.930 ER	ND	0.077 ER	0.908 ER
LF	296MW02	9/13/2010	17.0	2.92 ER	ND	ND	1.78 ER
LF	296MW03	9/13/2010	26.6	7.05	ND	0.946 ER	46.2
LF	296MW04	9/13/2010	40.1	13.46	ND	ND	2.63
LF	296MW06	9/13/2010	24.6	2.38 ER	12.81	ND	1.19 ER
LF, D	296MW07	9/13/2010	37.5	2.68 ER	ND	ND	ND
LF	296MW07	9/13/2010	ND	2.29 ER	ND	ND	ND
LF	296MW08	9/13/2010	9.95 ER	19.4	ND	0.181 ER	3.1
LF	MP18MW24	9/14/2010	24.5	1.64 ER	NA	ND	3.99
LF, D	MP18MW25	9/14/2010	31.7	4.82 ER	NA	ND	2.32 ER
LF	MP18MW25	9/14/2010	33.1	7.58	NA	ND	2.09

Notes:

Concentrations reported in µg/L

LF - Monitor Wells Sampled via Low-Flow Method

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Contaminant Isoconcentration Summary Table
Buildings 290, 296 and MP-18 Landfill, Fort Monmouth, NJ
3rd Quarter 2010

Notes:	Well ID	Date Collected	Chromium	Lead	Thallium
			<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>	<i>NJDEP GWQS</i>
			70	5	2
LF	290MW01	9/10/2010	ND	ND	ND
LF, D	290MW01	9/10/2010	ND	2.48 ER	ND
LF	296MW01	9/10/2010	ND	ND	ND
LF	296MW02	9/13/2010	ND	4.83 ER	ND
LF	296MW03	9/13/2010	ND	ND	ND
LF	296MW04	9/13/2010	6.61	7.24	ND
LF	296MW06	9/13/2010	ND	ND	ND
LF, D	296MW07	9/13/2010	ND	ND	ND
LF	296MW07	9/13/2010	ND	ND	ND
LF	296MW08	9/13/2010	ND	3.38 ER	ND
LF	MP18MW24	9/14/2010	ND	8.89	ND
LF, D	MP18MW25	9/14/2010	ND	3.56 ER	ND
LF	MP18MW25	9/14/2010	ND	ND	ND

Notes:

Concentrations reported in µg/L

LF - Monitor Wells Sampled via Low-Flow Method

ND - Non-Detect

NA - Not Analyzed for parameter

D - Duplicate Sample

J - Estimated Result between Reporting Limit and Method Detection Limit for VOCs

ER - Estimated Result between Reporting Limit and Method Detection Limit for metals

Table A - 1
Ground Water Tentatively Identified Compounds (TICs)
Site 283
Fort Monmouth, New Jersey

	Well:	283MW01	283MW02	283MW03	283MW04	283MW05	283MW06
Round	Date						
20	May-04	ND	2574/10	ND	NS	NS	NS
21	Jul-04	ND	2265/10	ND	NS	NS	NS
22	Nov-04	8/1	2380/10	20/4	ND	ND	ND
23	Jan-05	ND	1758/10	ND	ND	ND	ND
24	Apr-05	14/2	2136/10	ND	ND	ND	ND
25	Aug-05	ND	4370/10	ND	ND	ND	ND
26	Nov-05	ND	2010/10	ND	ND	ND	ND
27	Jan-06	44/8	1422/10	ND	ND	ND	ND
28	Apr-06	23/6	893/10	41/9	4/1	4/1	4/1
29	Jul-06	13/3	1946/10	28/6	ND	ND	ND
30	Oct-06	ND	902/10	ND	ND	ND	ND
31	Feb-07	ND	1688/15	7/1	ND	ND	ND
32	May-07	ND	2046/15	ND	ND	ND	ND
33	Jul-07	ND	295/15	ND	ND	ND	ND
34	Nov-07	ND	181/15	ND	ND	ND	ND
35	Mar-08	ND	184/15	ND	ND	ND	ND
36	May-08	ND	185/15	ND	ND	ND	ND
37	Aug-08	ND	229/15	ND	ND	ND	ND
38	Oct-08	ND	252/15	ND	ND	ND	ND
39	Mar-09	ND	204/15	ND	ND	ND	ND
40	May-09	ND	247/15	ND	ND	ND	ND
41	Aug-09	ND	249/15	ND	ND	ND	ND
42	Nov-09	ND	134/11	ND	ND	ND	ND
43	Jan-10	ND	1840/15	ND	ND	ND	ND
44	May-10	ND	3161/16	ND	ND	ND	ND
45	Sep-10	ND	566/15	ND	ND	ND	ND

Notes:

Exceedances are bolded and shaded.

Exceedances are based on 100 µg/L for individual TIC concentrations and 500 µg/L for Total TICs concentrations.

Results are given as Total TIC concentrations/# TICs.

ND = Not Detected.

NS = Not Sampled

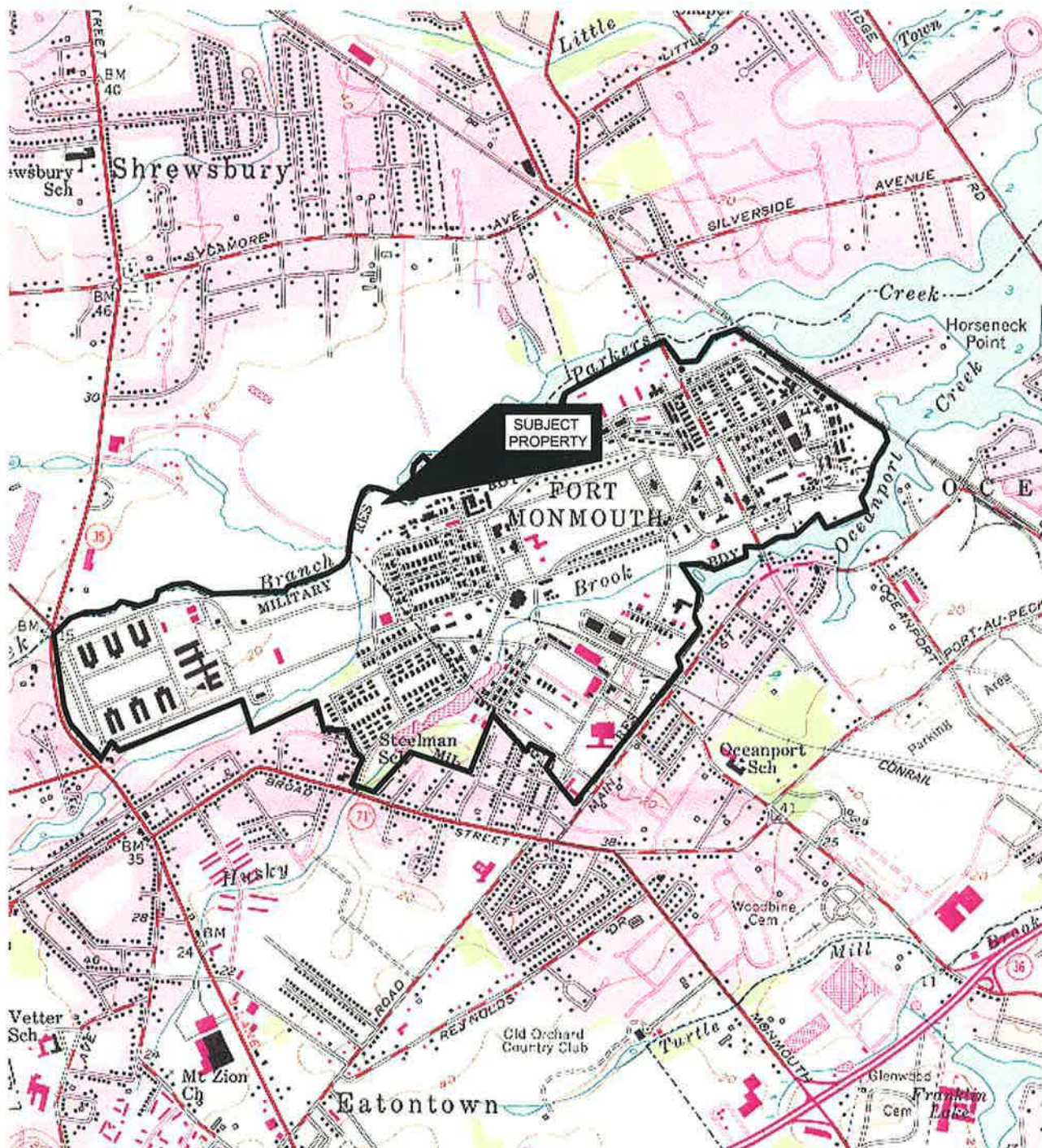
Exhibit B

Site Location Maps

EXHIBIT B

1.0 SITE LOCATION MAPS

Buildings 283, 290, 296 and Landfill MP-18 are located in Oceanport, Monmouth County, New Jersey (Block 110, Lot 1). Pursuant to N.J.A.C. 7:26E-8.3(b) 3i and ii, Brinkerhoff provided a United States Geological Survey [USGS] Quadrangle Map (Figure B-1) and a Tax Map with Block and Lot (Figure B-2) for Buildings 283, 290, 296 and Landfill MP-18. Figure B-3 depicts the maximum CEA extent at the Site.



0' 1000' 2000'

SCALE: 1"=2000'

LONG BRANCH, N. J.
40073-C8-TF-024

1954
PHOTOREVISED 1981
DMA 6164 1 SE-SERIES V822



BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

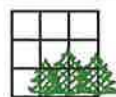
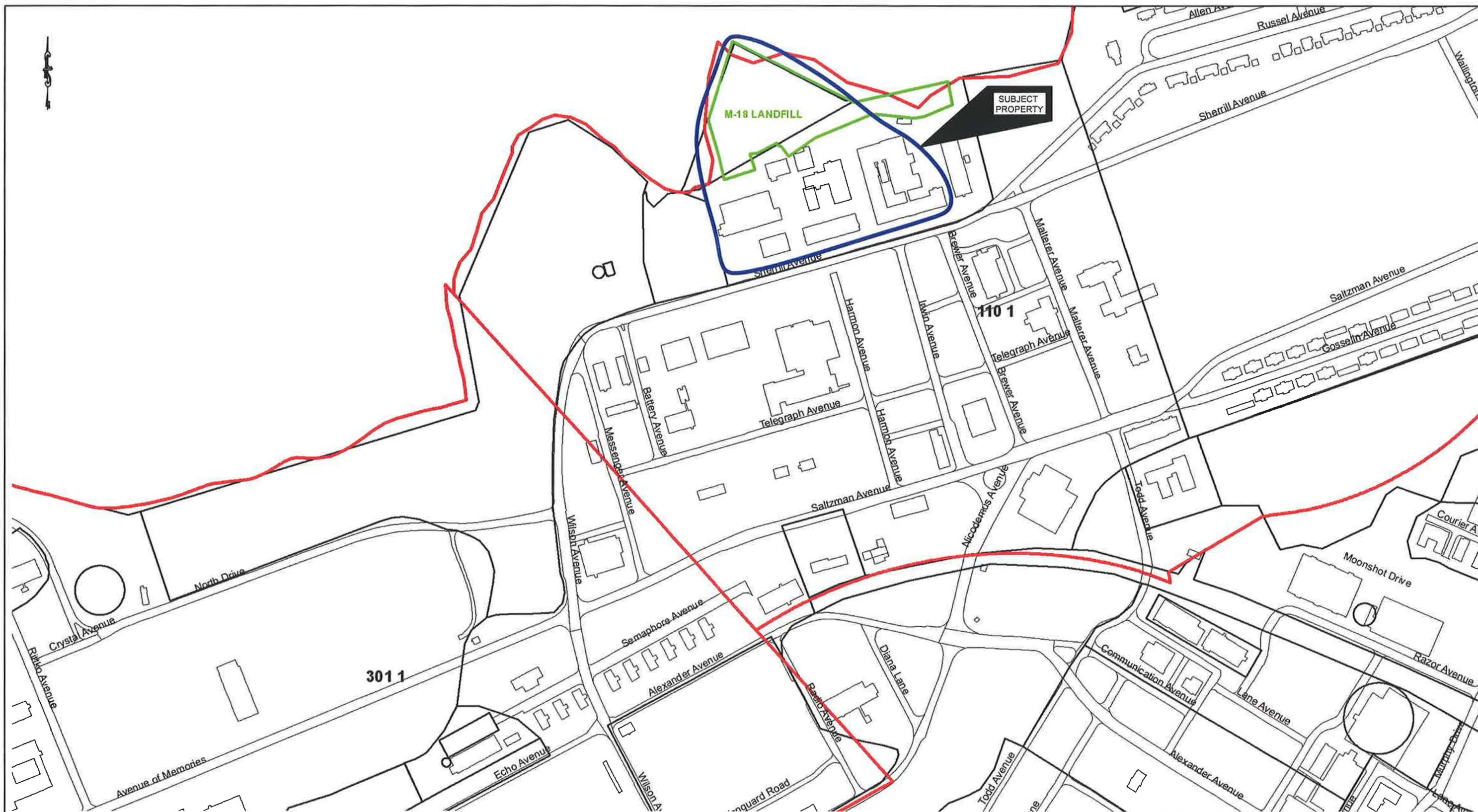


FIGURE B-1
U.S.G.S. TOPOGRAPHIC LONG BRANCH, NJ QUAD
US ARMY FORT MONMOUTH
MAIN POST - 283/290/296/M-18 AREA
FORT MONMOUTH, NEW JERSEY

DATE: 4/13/11

JOB NO.: 09BR116

SCALE: 1" = 2000'



0' 175' 350'
 SCALE: 1"=350'

BRINKERHOFF
 ENVIRONMENTAL SERVICES, INC.

FIGURE B-2 - TAX MAP
 US ARMY FORT MONMOUTH
 MAIN POST - 283/290/296/M-18 AREA
 BLOCK 110, LOT 1
 FORT MONMOUTH, NEW JERSEY

DATE: 5/23/11 JOB NO.: 09BR116 SCALE: 1" = 350'

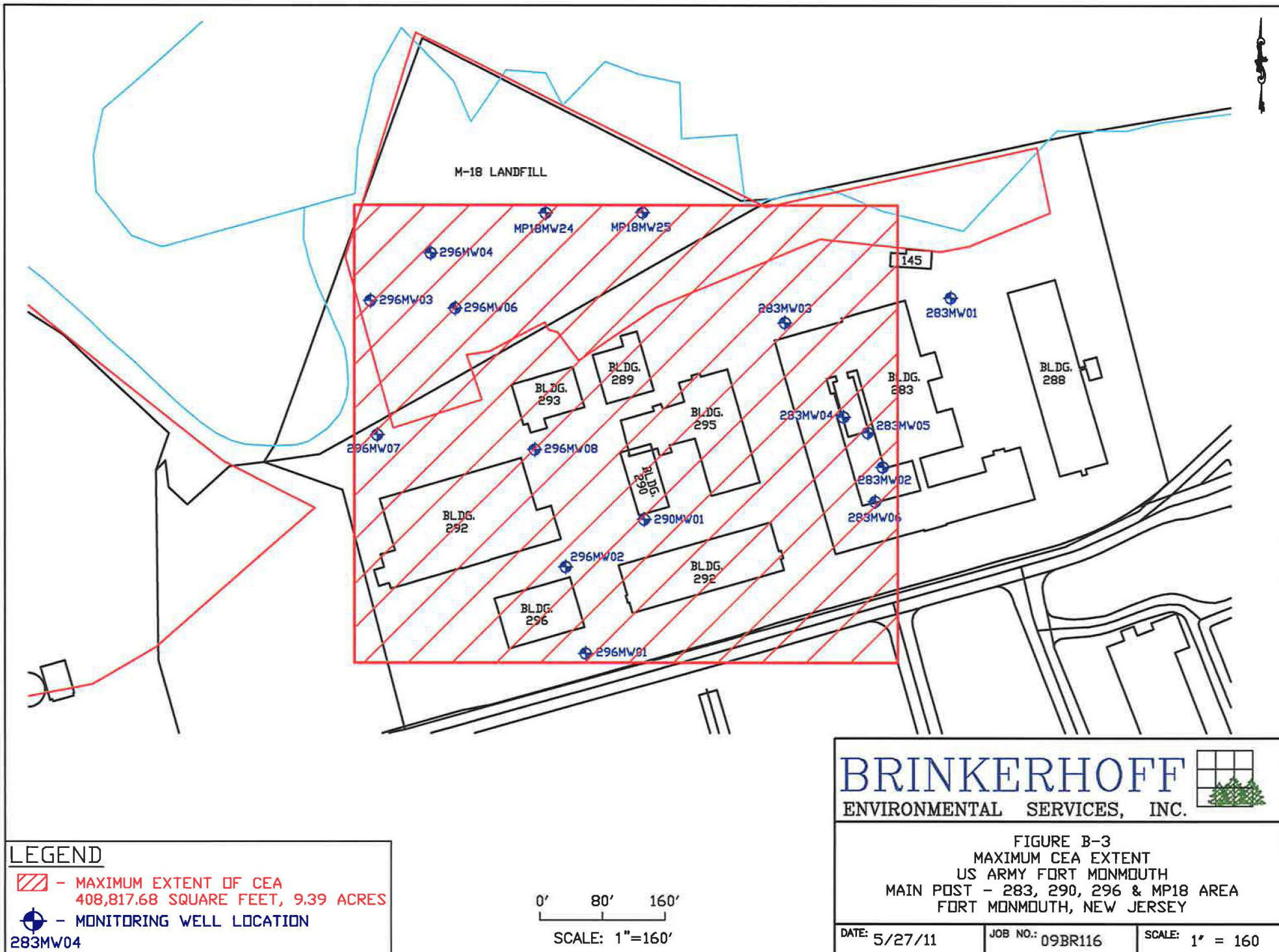


Exhibit C

Site Map and Cross Section

EXHIBIT C

1.0 CLASSIFICATION EXCEPTION AREA (CEA) BASIS

The NJDEP requires that the CEA application specify the constituents that will require an exception to the NJDEP's GWQS. These are constituents necessitating the institution of a CEA because they are either currently detected or are anticipated to be detected in the future at concentrations exceeding applicable NJDEP GWQS.

A summary of the Site constituents exceeding NJDEP GWQS is provided on Tables C-1 and C-2, provided within this Exhibit. Ground water quality data are collected at the Site as part of the long-term monitoring plan. Since the establishment of the CEA is based upon current ground water conditions and the prediction of future ground water conditions, Tables C-1 and C-2 present only the most recent analytical data set from the September 2010 sampling event, which was used to estimate the extent of the CEA. Data from the most recent sampling round (2010) indicate that five constituents, one volatile organic compound (VOC) and four metals, exceeded NJDEP GWQS.

As presented in Exhibit A of this report, the metals are likely a natural background condition. Therefore, the VOC (benzene) is the only constituent in which the associated fate and transport modeling included in this report is based. Fate and transport modeling results for benzene are presented at the wells with the highest detected concentrations (Exhibit C, Figures C-9 C-10 and C-11), along with historical measured data. The decreasing 2000 to 2010 modeled results show the fate and transport model calibration, and the year when the concentration in the hot spot decreases below the NJDEP GWQS.

The CEA duration for benzene is seven years (September 2010 to September 2017). The CEA duration for lead is indeterminate.

2.0 EXTENT OF THE CLASSIFICATION EXCEPTION AREA (CEA)

The vertical extent of the Site CEA includes the shallow part of the aquifer beneath the Site and it extends from the water table, about seven feet below ground surface (bgs) to approximately 20 feet bgs (Exhibit C, Figure C-12), which represents the total depth of the contaminated wells at the Site.

The plan-view map of the current CEA is provided as Exhibit C, Figure C-14. This CEA was determined from the following data:

- The existing monitoring well network and September 2010 data (the shallow wells screened at different elevations in the aquifer beneath the Site, about 20 feet bgs); Exhibit C, Figure C-8 shows the September 2010 measured VOC benzene concentration distribution and the plume exceeding NJDEP GWQS, and
- No active remediation.

Exhibit C, Table C-4 and Figure C-15, present the CEA extent variation with time calculated based upon the September 2010 CEA extent and benzene depletion. As it can be observed from Table C-4 and Figure C-15, the September 2010 CEA extent is varying with time due to the fate and transport mechanisms (no source, advection, dispersion, diffusion, and degradation).

The September 2010 VOC CEA extent, as presented on Exhibit C, Figure C-14, is approximately 0.5 acres.

For the 2012 Biennial Certification Monitoring Report of the Site Ground Water CEA, the September 2010 CEA extent will be updated and the 2010-2012 monitoring data will be used to confirm the fate and transport modeling results.

3.0 SITE MAPS AND CROSS SECTIONS

Pursuant to N.J.A.C. 7:26E-8.3(b) 3iii through v, Brinkerhoff provided the following items in this exhibit (Exhibit C):

- Figure C-1: Site Location Aerial-Classification Exception Area
- Figure C-2: Antimony in GW – 2010 Spatial Distribution
- Figure C-3: Arsenic in GW – 2010 Spatial Distribution
- Figure C-4: Cadmium in GW – 2010 Spatial Distribution
- Figure C-5: Lead in GW – 2010 Spatial Distribution
- Figure C-6: Benzene in GW – 2000 Spatial Distribution
- Figure C-7: Benzene in GW – May 2010 Spatial Distribution
- Figure C-8: Benzene in GW – Sept. 2010 Spatial Distribution
- Figure C-9: Benzene in GW – 283MW02 Temp. Distribution
- Figure C-10: Benzene in GW – 283MW03 Temp. Distribution
- Figure C-11: Benzene in GW – 296MW06 Temp. Distribution
- Figure C-12: Generalized Site Cross-Section
- Figure C-13: Ground Water Elevation Contours and Flow Directions
- Figure C-14: September 2010 CEA Extent
- Figure C-15: CEA Extent Variation with Time

Table C - 1:
Metals Exceeding NJDEP GWQS
September 2010 Data Buildings 283, 290, 296, and Landfill MP-18
Fort Monmouth, New Jersey

Well_ID	Aquifer	X	Y	Date_Collected	Lab_ID	Antimony	Arsenic	Cadmium	Lead	Total Depth
		(feet - NAD 83)	(feet - NAD 83)			(ug/L)	(ug/L)	(ug/L)	(ug/L)	
New Jersey Groundwater Quality Standards (NJ GWQS)						6	3	4	5	(feet bgs)
283MW01	Shallow	619033.20	540539.91	9/29/2010	10416.02	8.19	ND	ND	ND	25
283MW02	Shallow	618946.24	540322.37	9/30/2010	10419.07	19.1	12.98	ND	4.13	20
283MW03	Shallow	618821.32	540508.04	9/29/2010	10416.01	14.3	3.69	ND	ND	20
283MW04	Shallow	618896.25	540387.14	9/30/2010	10419.06	5.14	ND	ND	ND	18
283MW05	Shallow	618927.34	540367.06	9/30/2010	10419.03	ND	ND	ND	ND	18
283MW06	Shallow	618936.66	540277.76	9/30/2010	10419.04	10.275	0.935	ND	ND	18
290MW01	Shallow	618641.32	540254.29	9/10/2010	10383.04	7.905 ER	2.965 ER	0.862 ER	2.48 ER	12.5
290MW02	Shallow	618571.18	540324.59	NA	NA	NA	NA	NA	NA	11.5
296MW01	Shallow	618566.30	540081.88	9/10/2010	10385.01	13.6	0.930 ER	0.908 ER	ND	15
296MW02	Shallow	618540.94	540193.06	9/13/2010	10386.07	17	2.92 ER	1.78 ER	4.83 ER	12.5
296MW03	Shallow	618291.32	540535.83	9/13/2010	10386.08	26.6	7.05	46.2	ND	12.5
296MW04	Shallow	618368.47	540596.93	9/13/2010	10386.06	40.1	13.46	2.63	7.24	10
296MW06	Shallow	618399.81	540526.26	9/13/2010	10386.09	24.6	2.38 ER	1.19 ER	ND	12.5
296MW07	Shallow	618299.95	540363.85	9/13/2010	10386.04	37.5	2.48 ER	ND	ND	12.5
296MW08	Shallow	618501.44	540344.64	9/13/2010	10386.05	9.95 ER	19.4	3.1	3.38 ER	12.5
MP18MW24	Shallow	618515.37	540648.28	9/14/2010	10389.05	24.5	1.64 ER	3.99	8.89	14.5
MP18MW25	Shallow	618639.30	540648.92	9/14/2010	10389.04	32.4	6.2	2.205	3.56 ER	14.5

Notes:

NA - Not Analyzed

ND - Non-detect

ER - Estimated Result

**Table C - 2: VOCs Exceeding NJDEP GWQS
September 2010 Data
Buildings 283, 290, 296, and Landfill MP-18
Fort Monmouth, New Jersey**

Well_ID	Aquifer	X	Y	Date_Collected	Lab_ID	Benzene	Total
		(feet - NAD 83)	(feet - NAD 83)			(ug/L)	Depth
New Jersey Groundwater Quality Standards (NJ GWQS)						1	(feet bgs)
283MW01	Shallow	619033.20	540539.91	9/29/2010	10410.03	0.87	25
283MW02	Shallow	618946.24	540322.37	9/30/2010	10409.08	ND	20
283MW03	Shallow	618821.32	540508.04	9/29/2010	10409.09	ND	20
283MW04	Shallow	618896.25	540387.14	9/30/2010	10404.03	ND	18
283MW05	Shallow	618927.34	540367.06	9/30/2010	10409.07	ND	18
283MW06	Shallow	618936.66	540277.76	9/30/2010	10404.05	ND	18
290MW01	Shallow	618641.32	540254.29	9/10/2010	10383.04	NA	12.5
290MW02	Shallow	618571.18	540324.59	NA	NA	NA	11.5
296MW01	Shallow	618566.30	540081.88	9/10/2010	10385.01	ND	15
296MW02	Shallow	618540.94	540193.06	9/13/2010	10386.07	ND	12.5
296MW03	Shallow	618291.32	540535.83	9/13/2010	10386.08	ND	12.5
296MW04	Shallow	618368.47	540596.93	9/13/2010	10386.06	ND	10
296MW06	Shallow	618399.81	540526.26	9/13/2010	10386.09	12.81	12.5
296MW07	Shallow	618299.95	540363.85	9/13/2010	10386.04	ND	12.5
296MW08	Shallow	618501.44	540344.64	9/13/2010	10386.05	ND	12.5
MP18MW24	Shallow	618515.37	540648.28	9/14/2010	10389.05	NA	14.5
MP18MW25	Shallow	618639.30	540648.92	9/14/2010	10389.04	NA	14.5

Notes:

ND - Non-detect

NA - Not Analyzed

**Table C - 3: Groundwater Elevation/Head September 2010 Data
Buildings 283, 290, 296, and Landfill MP-18
Fort Monmouth, New Jersey**

Well_ID	X (feet NAD 83)	Y (feet NAD 83)	Total Well Depth (feet bgs)	Model Layer	September 2010 Elevation/Head (feet amsl)	DTW (feet below TOC)	INSTALLATION DATE	CASING LENGTH (feet)	SCREEN LENGTH (feet)	TOP OF CASING (TOC) (feet amsl)
283MW01	619033.20	540539.91	25	1	3.34	6.91	3/28/2000	5	20	10.25
283MW02	618946.24	540322.37	20	1	4.77	7.66	7/28/1999	5	15	12.43
283MW03	618821.32	540508.04	20	1	3.32	7.45	3/28/2000	5	15	10.77
283MW04	618896.25	540387.14	18	1	5.83	8.1	10/13/2004	3	15	13.93
283MW05	618927.34	540367.06	18	1	6.36	7.46	10/13/2004	3	15	13.82
283MW06	618936.66	540277.76	18	1	5.68	7.88	9/22/2004	3	15	13.56
290MW01	618641.32	540254.29	12.5	1	4.04	8.79	7/15/1994	2	10.5	12.83
290MW02	618571.18	540324.59	11.5	1	NA	NA	8/16/1994	1.5	10	7.92
296MW01	618566.30	540081.88	15	1	4.14	11.14	7/14/1994	2	13	15.28
296MW02	618540.94	540193.06	12.5	1	4.68	4.37	7/13/1994	2	10.5	9.05
296MW03	618291.32	540535.83	12.5	1	1.35	6.57	7/14/1994	2	10.5	7.92
296MW04	618368.47	540596.93	10	1	2.48	1.7	9/12/1995	0.5	9.5	4.18
296MW06	618399.81	540526.26	12.5	1	2.91	5.06	7/14/1994	2	10.5	7.97
296MW07	618299.95	540363.85	12.5	1	1.63	5.74	7/12/1994	2	10.5	7.37
296MW08	618501.44	540344.64	12.5	1	3.37	4.24	7/12/1994	2	10.5	7.61
MP18MW24	618515.37	540648.28	14.5	1	0.67	6.37	1/13/1995	4.5	10	7.04
MP18MW25	618639.30	540648.92	14.5	1	2.46	4.6	1/13/1995	4.5	10	7.06

**Table C-4: CEA Extent Variation with Time
Buildings 283, 290, 296, and Landfill MP-18
Fort Monmouth, New Jersey**

Year	CEA Area (acres)	
	Benzene	
2010	0.52	
2011	0.36	
2012	0.25	
2013	0.17	
2014	0.12	
2015	0.08	
2016	0.06	
2017	0.04	
Average CEA =	acres	0.20
	sq. feet	8,701



0 500 1000 1500 2000 Feet

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

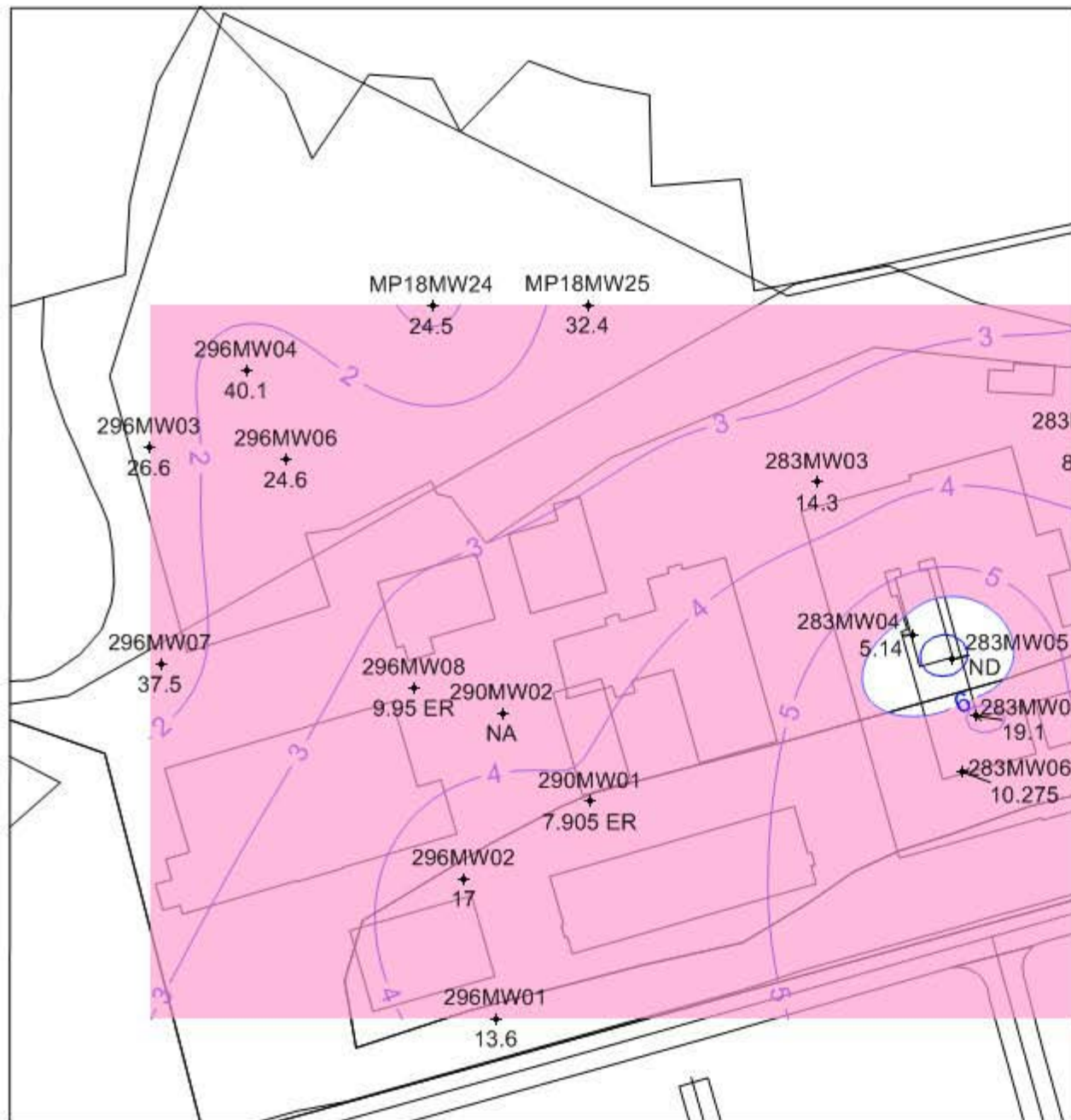


FIGURE - C-1 SITE LOCATION AERIAL
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP



0 100 200 300 400 Feet

Legend:



Antimony 6 ug/L NJDEP GWQS is exceeded in nearly all samples - it is considered background.



Ground Water Elevation Contour - September 2010 measured data.

BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.



FIGURE C-2 ANTIMONY IN GW - 2010 SPATIAL DISTRIBUTION
CLASSIFICATION EXCEPTION AREA

BUILDINGS 283, 290, 296 AND LANDFILL MP-18

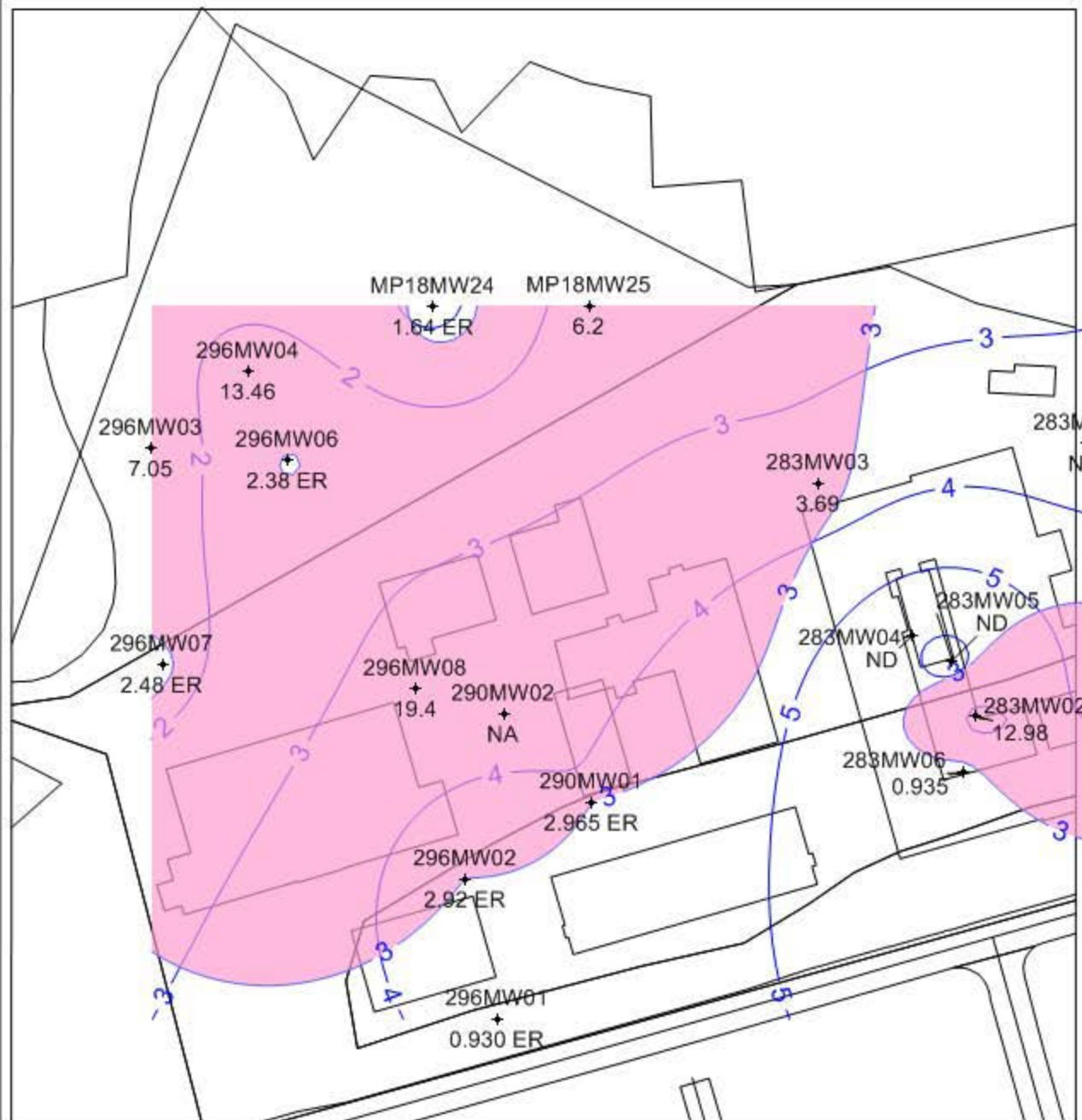
US ARMY FORT MONMOUTH - MAIN POST

FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP



0 100 200 300 400 Feet

Legend:



Arsenic 3 ug/L NJDEP GWQS is exceeded in six samples - it is considered background.



Ground Water Elevation Contour - September 2010 measured data.

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

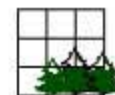
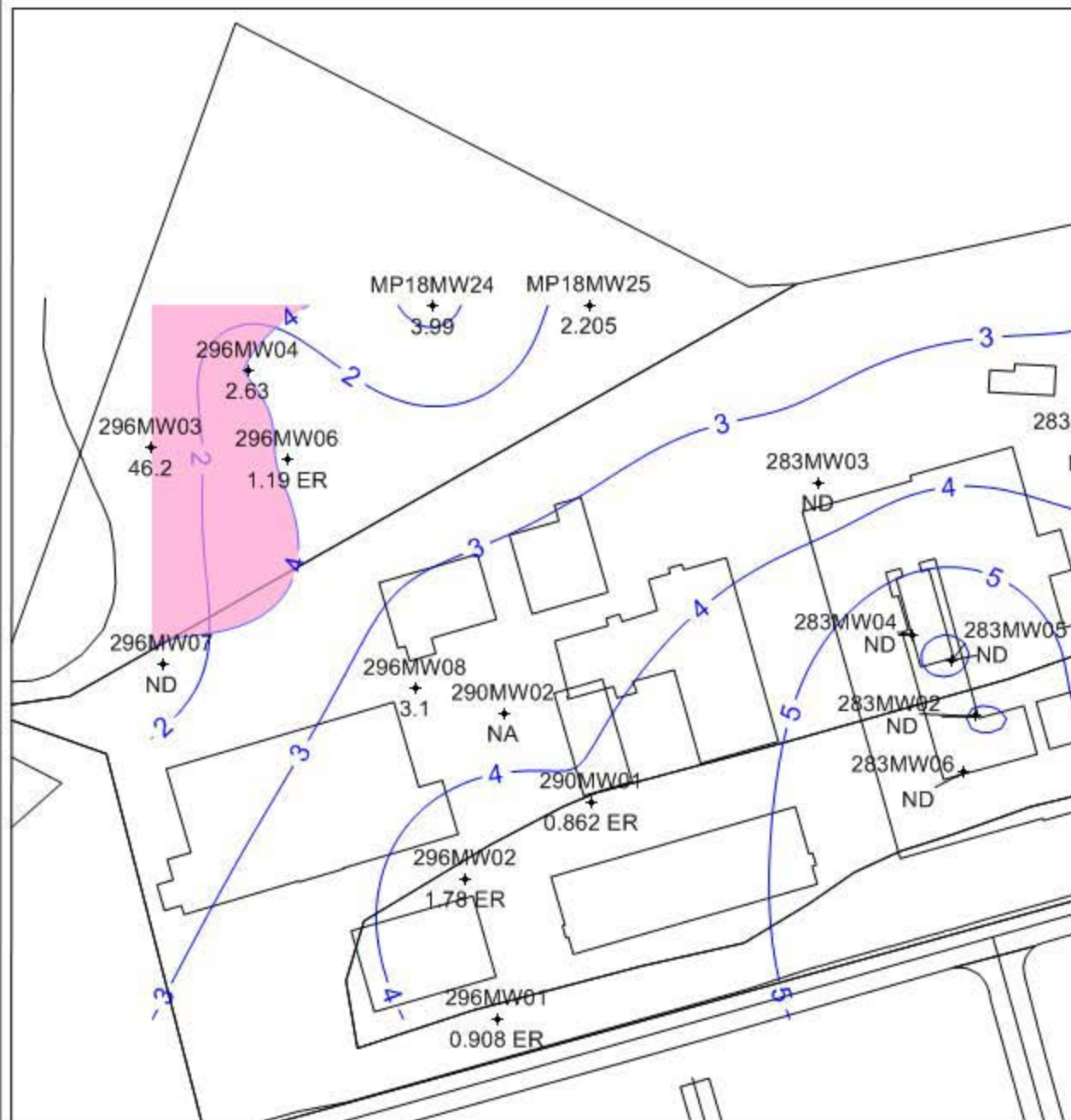


FIGURE C-3 ARSENIC IN GW - 2010 SPATIAL DISTRIBUTION
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP



0 100 200 300 400 Feet

Legend:



Cadmium 4 ug/L NJDEP GWQS is exceeded in one sample - it is considered background.



Ground Water Elevation Contour - September 2010 measured data.

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

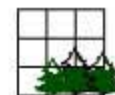
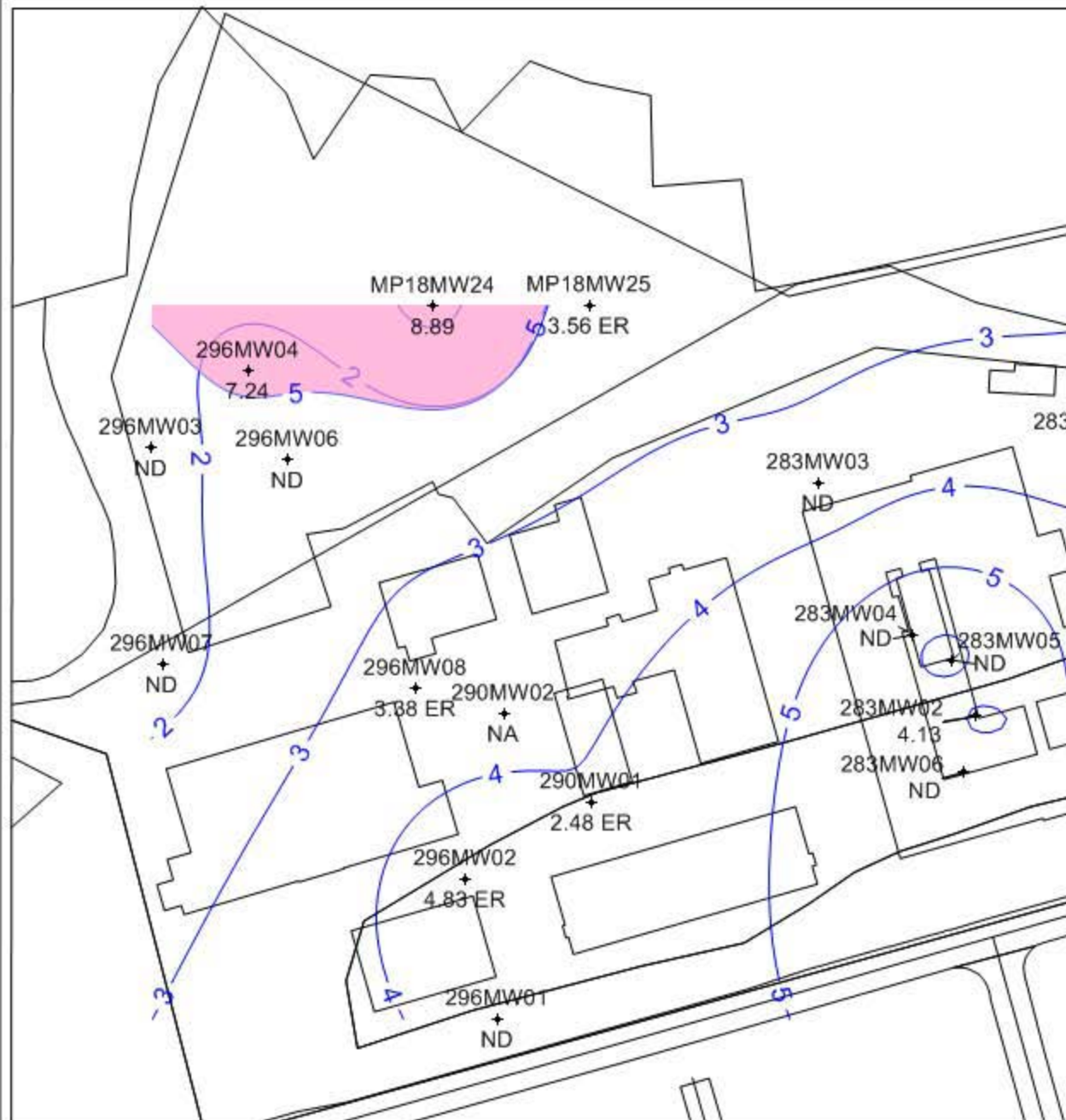


FIGURE C-4 CADMIUM IN GW - 2010 SPATIAL DISTRIBUTION
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP



0 100 200 300 400 Feet

Legend:



Lead 5 ug/L NJDEP GWQS is exceeded in two samples - it is considered background.



Ground Water Elevation Contour - September 2010 measured data.

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

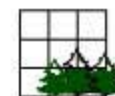
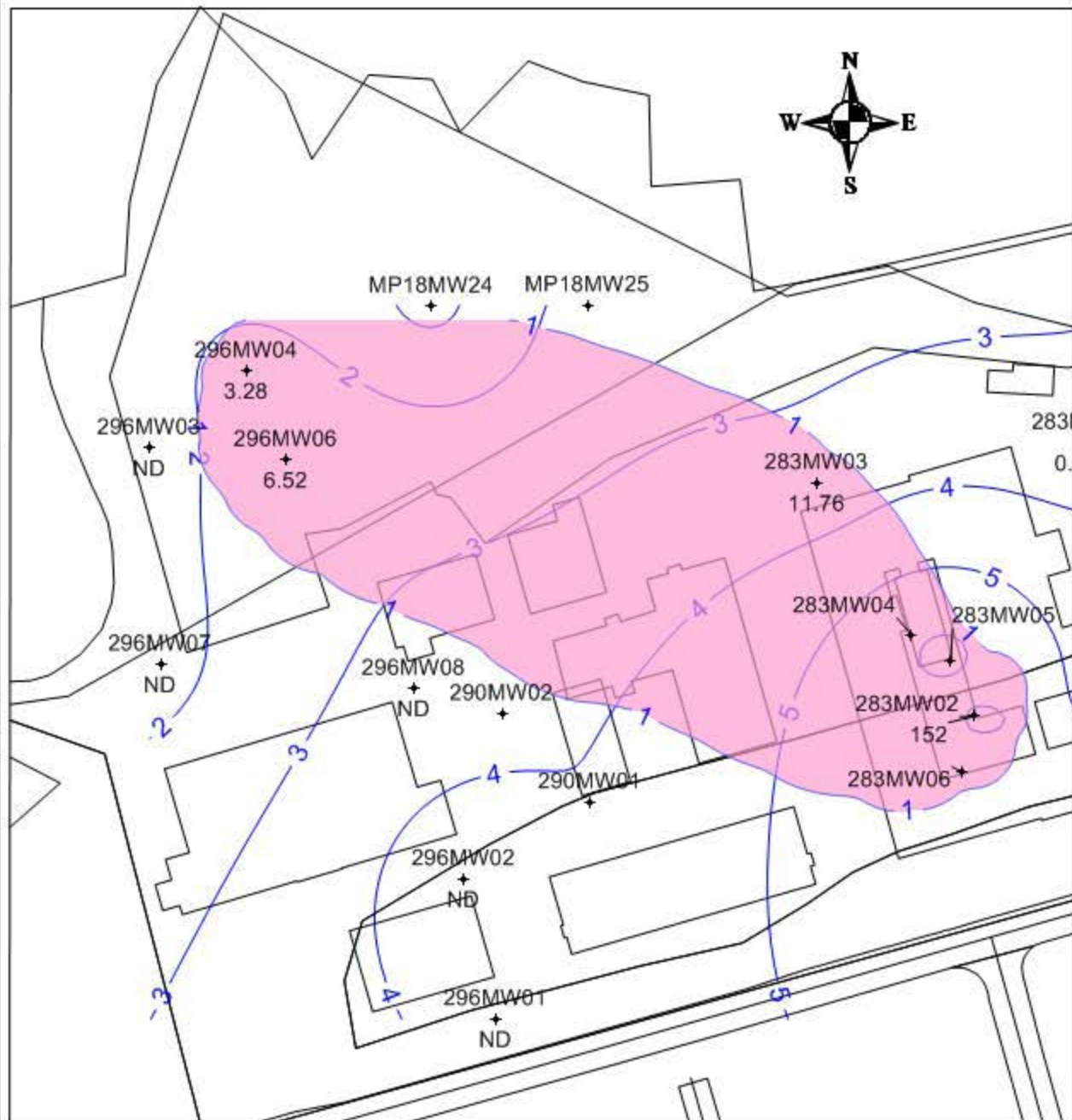


FIGURE C-5 LEAD IN GW - 2010 SPATIAL DISTRIBUTION
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP



0 100 200 300 400 Feet

Legend:



Maximum 2000 Benzene 1 ug/L plume
(A ~ 160,000 sq. ft.)



Ground Water Elevation Contour - September 2010
measured data.

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

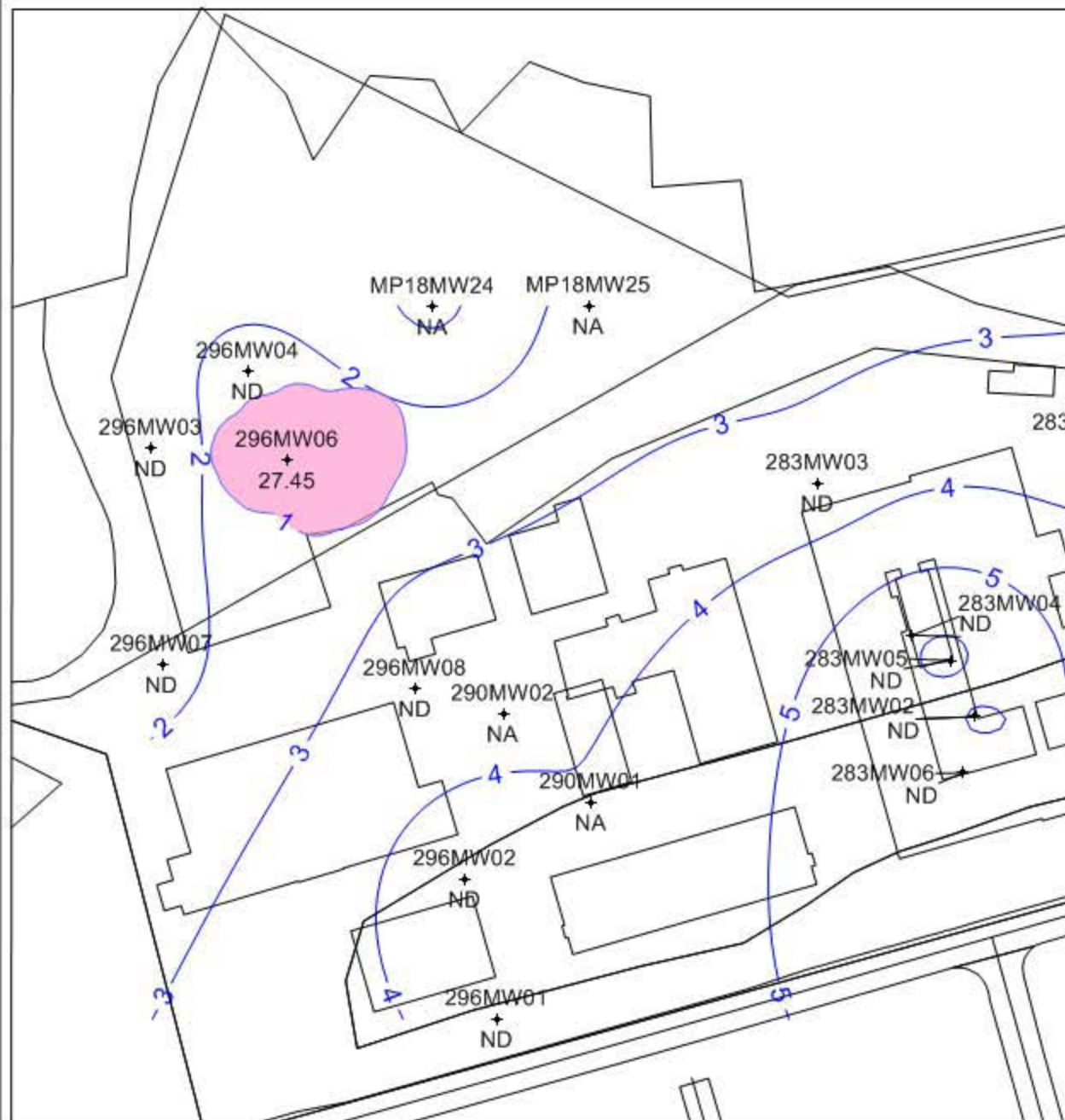


FIGURE C-6 BENZENE IN GW - 2000 SPATIAL DISTRIBUTION
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP



0 100 200 300 400 Feet

Legend:



May 2010 Benzene 1 ug/L plume
(A ~ 25,000 sq. ft.)



Ground Water Elevation Contour - September 2010
measured data.

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

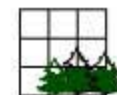
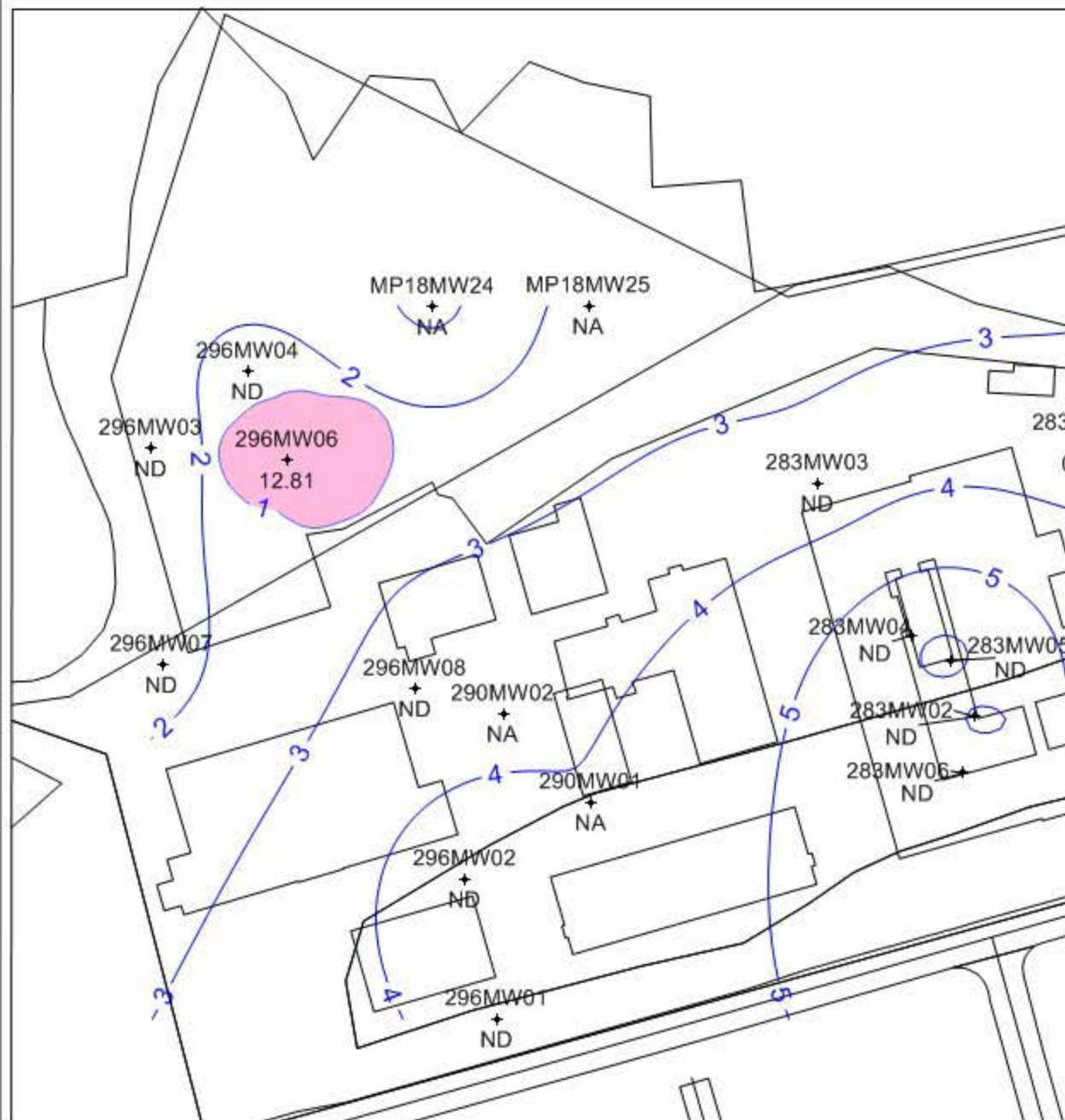


FIGURE C-7 BENZENE IN GW - MAY 2010 SPATIAL DISTRIBUTION
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP



Legend:



September 2010 Benzene 1 ug/L plume
(A ~ 22,500 sq. ft.)



Ground Water Elevation Contour - September 2010
measured data.

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

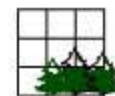


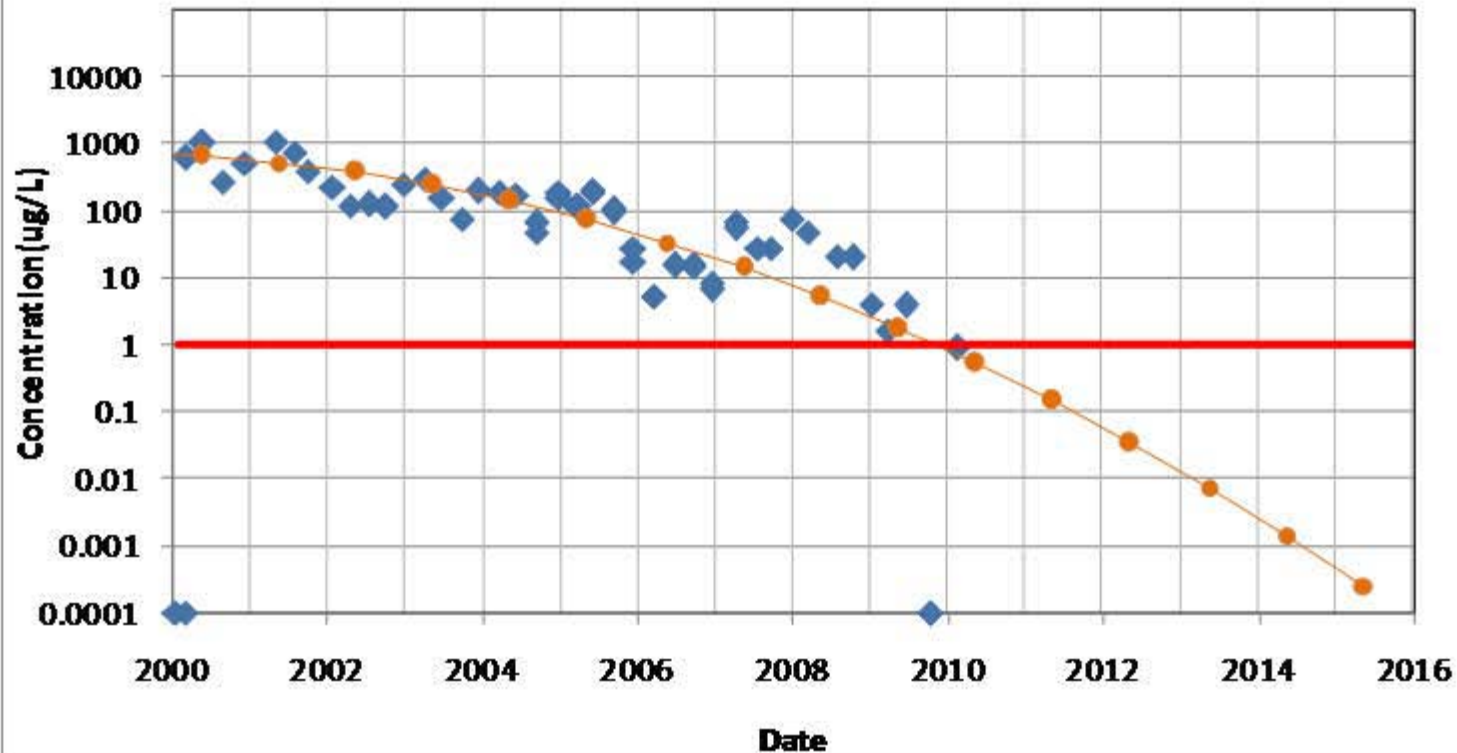
FIGURE C-8 BENZENE IN GW - SEPT. 2010 SPATIAL DISTRIBUTION
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP

Benzene in 283MW02



BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.

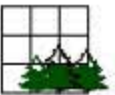


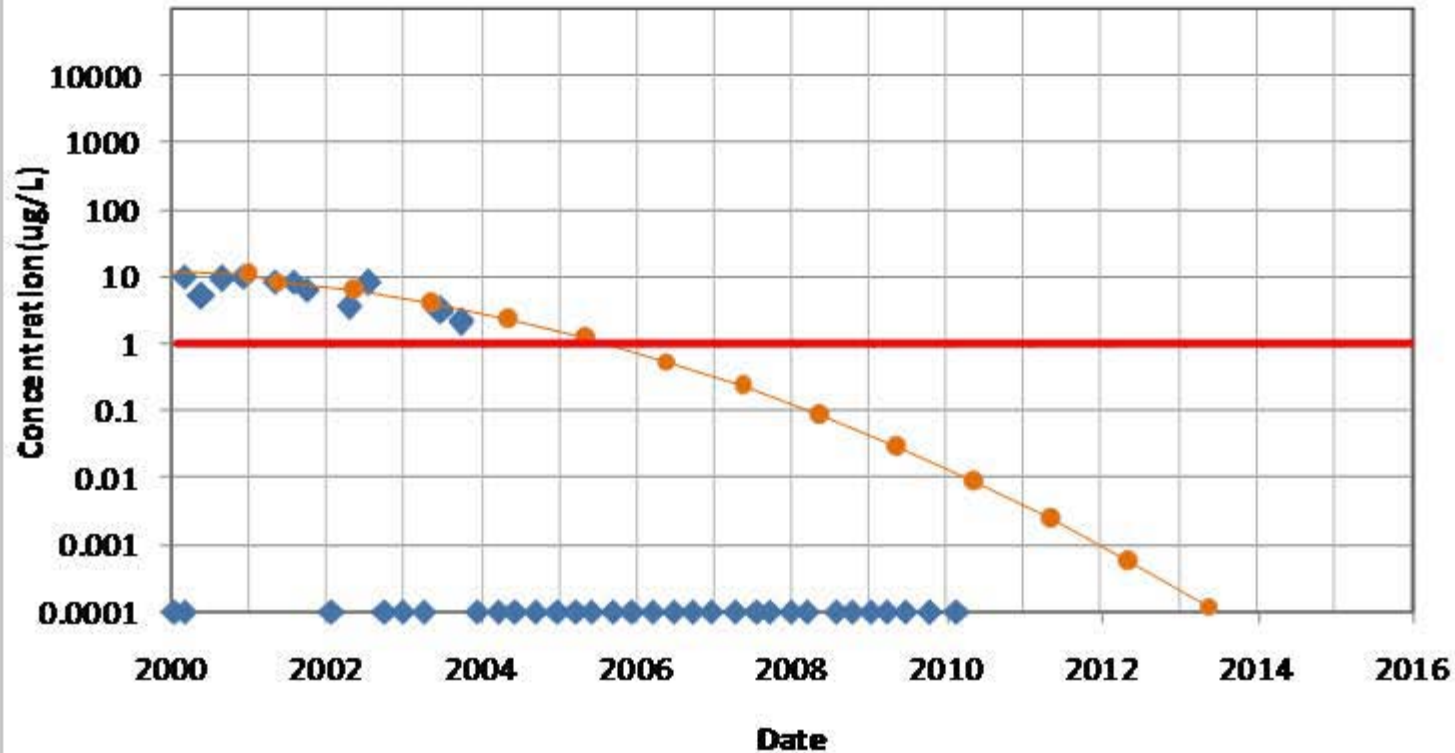
FIGURE - C-9 BENZENE IN GW - 283MW02 TEMP. DISTRIBUTION
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP

Benzene in 283MW03



BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.

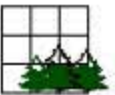
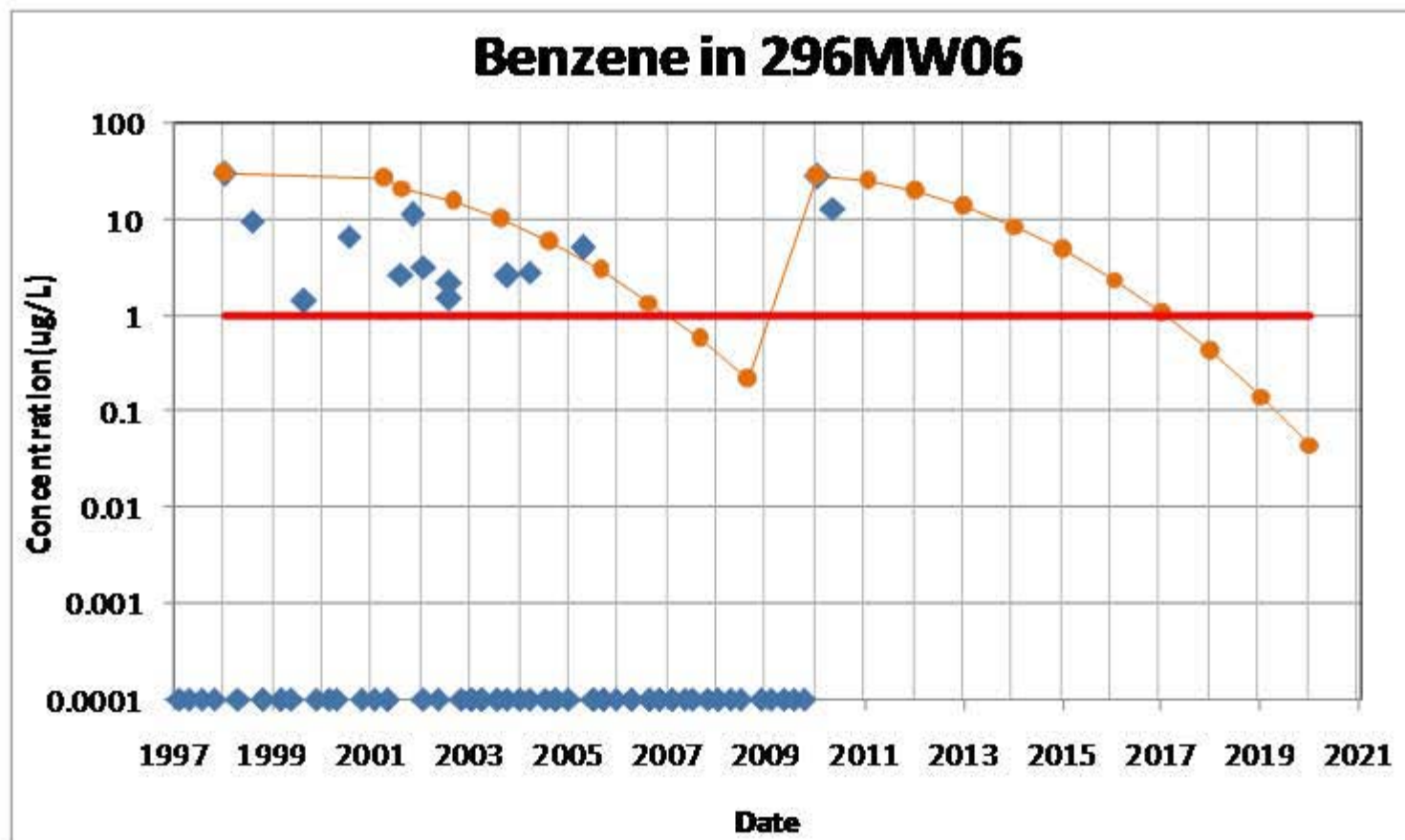


FIGURE - C-10 BENZENE IN GW - 283MW03 TEMP. DISTRIBUTION
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP



BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.

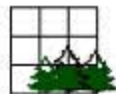


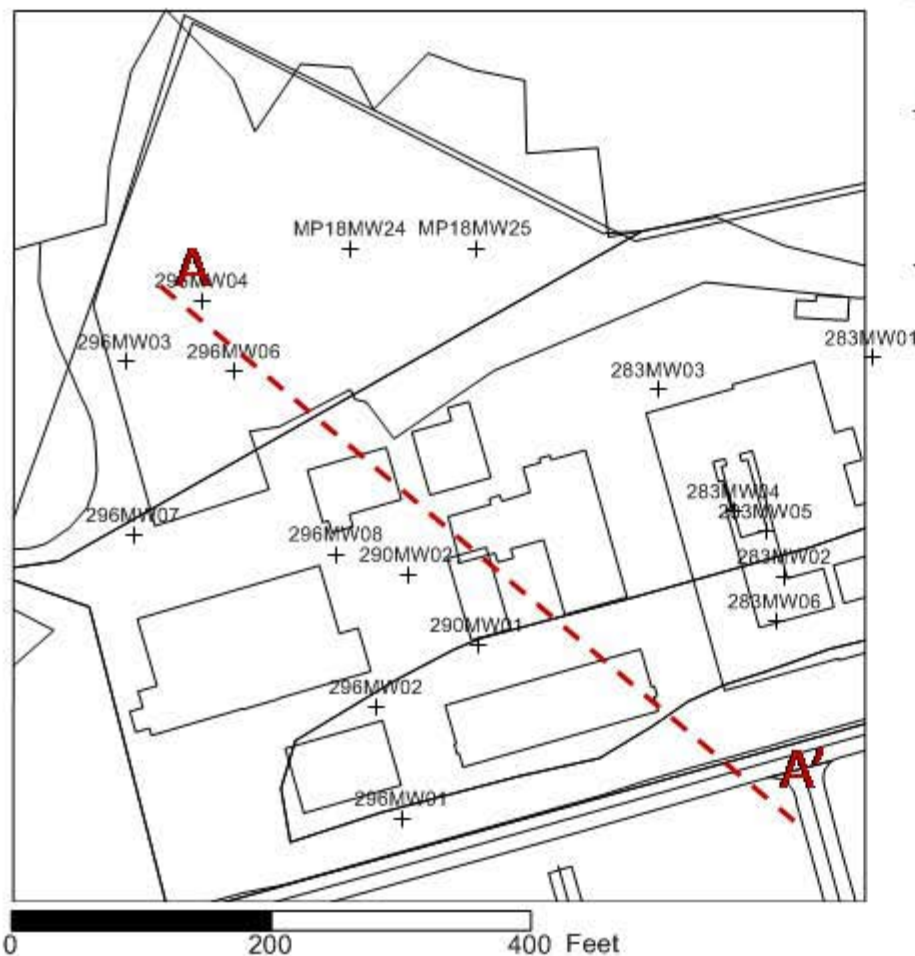
FIGURE - C-11 BENZENE IN GW - 296MW06 TEMP. DISTRIBUTION
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

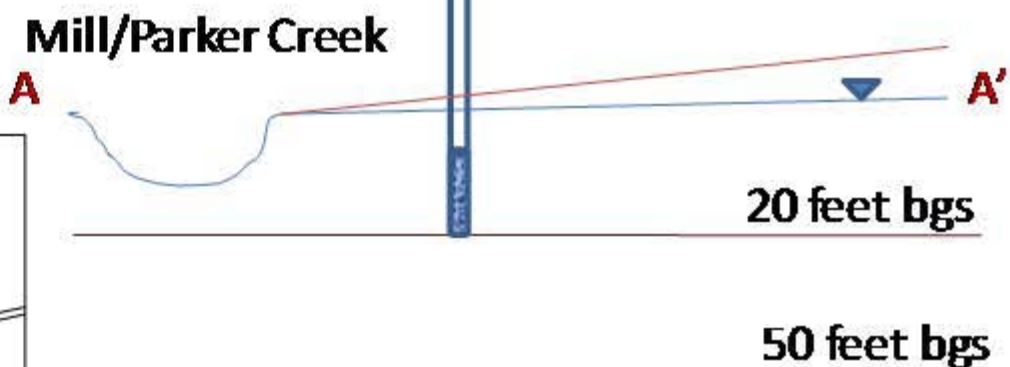
JOB NO.: 09BR116

SCALE: SEE MAP

Generalized Site Cross-Section



All Wells at the Site



BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

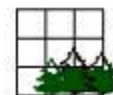


FIGURE - C-12 GENERALIZED SITE CROSS-SECTION
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

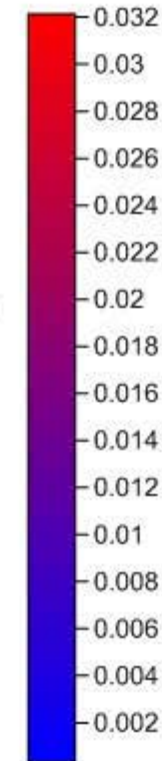
DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP



Note:
September 2010 measured data
Hydraulic gradient: ~0.002 to ~0.03 feet/foot



Color scale for hydraulic gradient magnitude

0 200 400 Feet

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

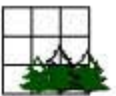
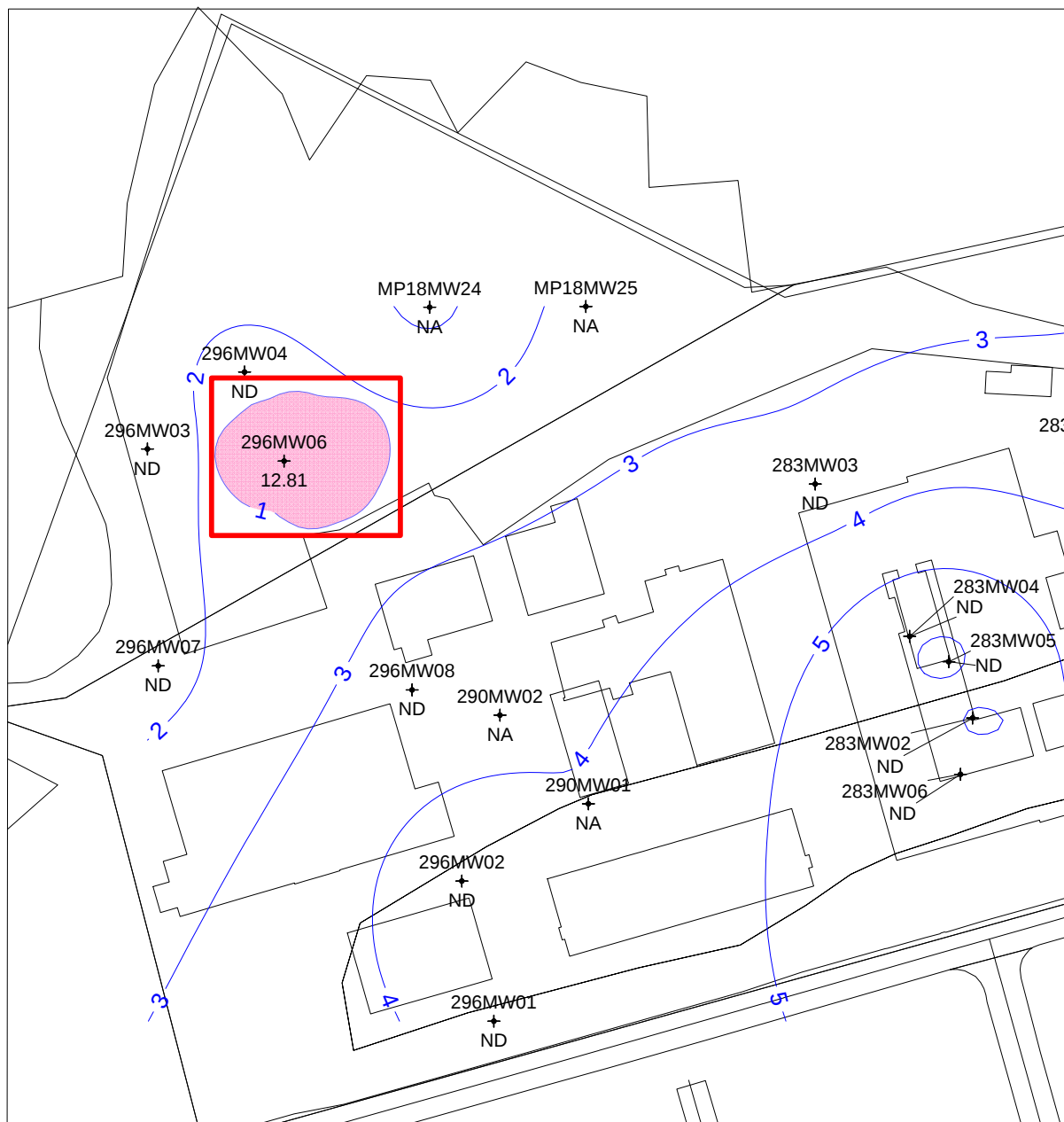


FIGURE C-13 GW ELEVATION CONTOURS & FLOW DIRECTIONS
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11	JOB NO.: 09BR116	SCALE: SEE MAP
---------------	------------------	----------------



Legend:



September 2010 CEA based on September 2010 measured data.
Area: Benzene (~22,500 sq. ft.)

 Ground Water Elevation Contour - September 2010 measured data.

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

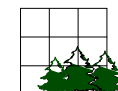


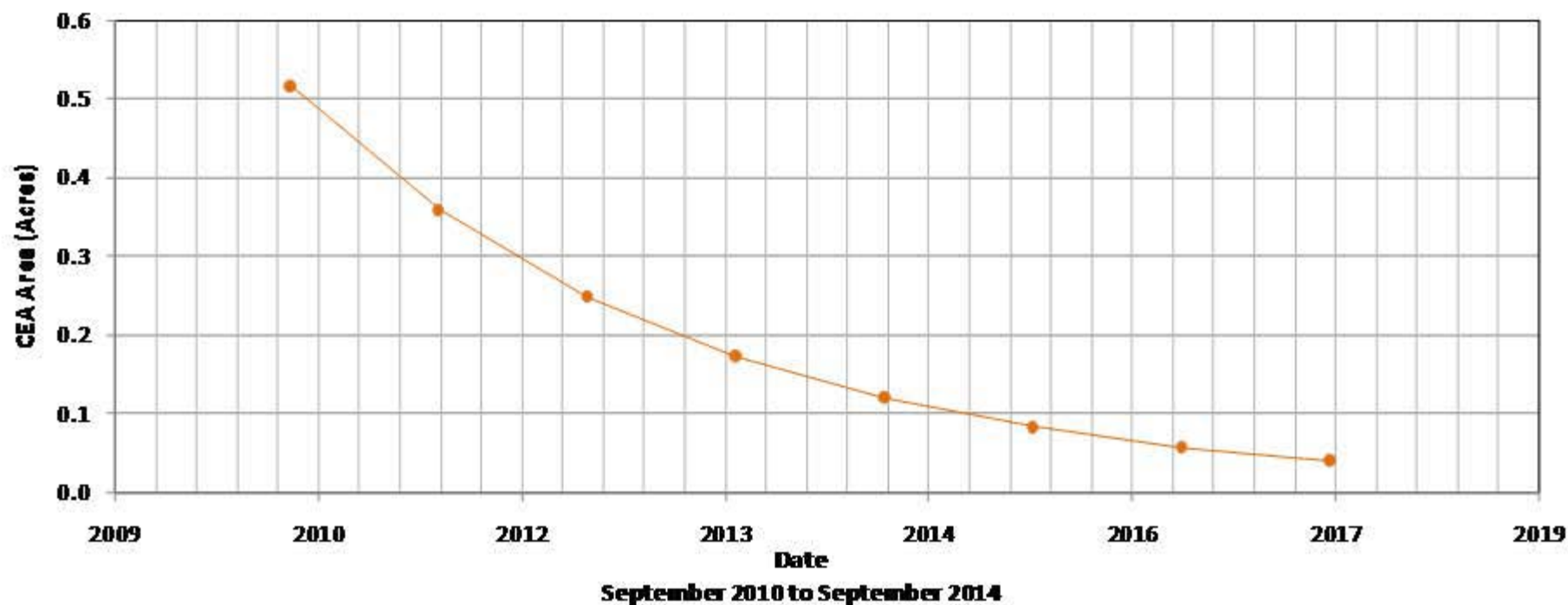
FIGURE - C-14 SEPTEMBER 2010 CEA EXTENT
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP

CEA EXTENT VARIATION WITH TIME



BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

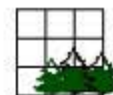


FIGURE - C-15 CEA EXTENT VARIATION WITH TIME
CLASSIFICATION EXCEPTION AREA
BUILDINGS 283, 290, 296 AND LANDFILL MP-18
US ARMY FORT MONMOUTH - MAIN POST
FORT MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

DATE: 5/12/11

JOB NO.: 09BR116

SCALE: SEE MAP

Exhibit D

Vertical Contaminant Data

EXHIBIT D

1.0 VERTICAL CONTAMINANT DATA

Pursuant to N.J.A.C 7:26E-8.3(b)3 iii, iv, and v, Brinkerhoff has provided vertical contaminant data for the Buildings 283, 290, 296, and Landfill MP-18, Table D-1. The vertical extent of the Site CEA includes the shallow part of the aquifer beneath the Site, and it extends from the water table, approximately 7 ft bgs to 20 feet bgs, which represents the total depth of the contaminated wells at the Site.

There is no known clean water lens as contamination is believed to be at water table elevation.

Table D - 1
Vertical Contaminant Data
Building 283, 290, 296, and MP-18
Fort Monmouth, New Jersey
9/29/2010

Well ID	Water Table		Approximate Bottom of Plume		Top of Plume		Thickness of Clean Water Lens	
	Feet bgs	Feet msl	Feet bgs	Feet msl	Feet bgs	Feet msl	Feet bgs	Feet msl
283MW01	6.91	3.34	25	-14.750	6.91	3.34	N/A	N/A
283MW02	7.66	4.77	20	-7.570	7.66	4.77	N/A	N/A
283MW03	7.45	3.32	20	-9.230	7.45	3.32	N/A	N/A
283MW04	8.1	5.83	18	-4.070	8.1	5.83	N/A	N/A
283MW05	7.46	6.36	18	-4.180	7.46	6.36	N/A	N/A
283MW06	7.88	5.68	18	-4.440	7.88	5.68	N/A	N/A
290MW01	8.79	4.04	12.5	0.33	8.79	4.04	N/A	N/A
290MW02	Not Collected	Not Collected	11.5	-3.58	Not Collected	Not Collected	N/A	N/A
296MW01	11.14	4.14	15	0.28	11.14	4.14	N/A	N/A
296MW02	4.37	4.68	12.5	-3.45	4.37	4.68	N/A	N/A
296MW03	6.57	1.35	12.5	-4.58	6.57	1.35	N/A	N/A
296MW04	1.7	2.48	10	-5.82	1.7	2.48	N/A	N/A
296MW06	5.06	2.91	12.5	-4.53	5.06	2.91	N/A	N/A
296MW07	5.74	1.63	12.5	-5.13	5.74	1.63	N/A	N/A
MP18MW24	6.37	0.67	14.5	-7.46	6.37	0.67	N/A	N/A
MP18MW25	4.6	2.46	14.5	-7.44	4.6	2.46	N/A	N/A

bgs - below ground surface
msl - mean sea level elevation

Exhibit D

Exhibit E

Fate and Transport Description and Model Documentation

EXHIBIT E

1.0 Duration of Classification Exception Area (CEA)

Based upon the extensive historical monitoring data and on the fate and transport modeling performed for the site, the plume is contained and the contaminated area will diminish over time. Plume reduction (area and magnitude) is documented from the comparison between the historical measured data and the fate and transport modeling results (Exhibit C, Figures C-9, C-10 and C-11). A significant reduction has been observed from 2000 to 2010 data and a similar reduction is expected to be seen from 2010 onward.

The approach used to compute the duration of the CEA is based upon the following assumptions, parameters and modeling tools, as summarized below and presented in more detail in Attachment I:

1. Used a numerical, calibrated flow and transport model to simulate plume evolution with time.
2. Defined the appropriate flow and transport model parameters as follows:
 - Design Periods - The analysis considered plume evolution over a 18-year time interval. This time interval is separated into one-year design periods where, for each period, flow conditions were held constant, while contaminant fate and transport were computed.
 - No flow stresses were considered; recharge and constant head conditions were held constant during the design periods.
 - Initial Plume Distribution - The initial concentrations in the fate and transport model were based upon 2000 data and the contaminant depletion was calibrated based upon the historical 2000 to 2010 data to ensure that the simulated future plume distribution and magnitude are similar to the historical plume distribution and magnitude.
 - Source Mass Loading was not considered, in order to be consistent with the current conditions at the site.
 - CEA Characterization Compounds – Based upon the spatial distribution, magnitude, and New Jersey Department of Environmental Protection Ground Water Quality Standards (GWQS) for the following constituent: benzene with NJDEP GWQS of 1 ug/L.
 - Fate and Transport Parameters - Employed NJDEP chemical properties database and site-specific data to generate a calibrated flow and transport model.

3. Estimated total plume area variation with time using the numerical MT3D fate and transport model and the spatial plume definition: (a) vertically, by considering the shallow aquifer, 20 feet below ground surface (bgs); and (b) horizontally, by considering the areas where the volatile organic compounds (VOCs) exceeded their respective NJDEP GWQS.

Exhibit C, Figures C-9, C-10 and C-11 present the results of the fate and transport modeling performed for the site at the wells with the greatest concentration to confirm concentration/plume depletion with time.

The CEA, defined as the area inside the outermost contour (NJDEP GWQS) is decreasing with time (Exhibit C, Table C-4 and Figure C-15). Figure C-15 presents the results shown in Figure C-11, in terms of area (acres) over time (2010 through 2017). For each time step (one year in this case), the CEA acreage is computed and plotted (Table C-4). This analysis shows that for the site CEA duration of 7 years, the CEA extent can be represented by an average of 0.2 acres (8,701 square feet).

2.0 Written and Mapped Description of the Classification Exception Area (CEA)

New Jersey Administrative Code (N.J.A.C.) 7:26E-6.2(a) 17 requires submittal of a map of the CEA compatible with the NJDEP's Geographic Information Systems both as a paper hard copy and electronically by means of a computer disk. Exhibit B, Figure B-3 (combined VOCs and Lead), with supporting written documentation provided above, represents a paper copy, and an electronic copy of the map of the CEA, as a .dwg file, is provided along with Metadata as Attachment II to this submittal.

3.0 References

Brinkerhoff. 2010. MODFLOW Groundwater Modeling - US Army, Fort Monmouth, Main Post and Charles Wood Areas.

Brinkerhoff. 2011. Background Metals Evaluation - US Army, Fort Monmouth, Main Post and Charles Wood Areas.

Directorate of Public Works Environmental Office. 1997. Installation Action Plan for Defense Environmental Restoration Project Sites - Fort Monmouth, New Jersey - FTM-079.pdf.

Gelhar, L.W., Welty, C., and Rehfeldt, K.R. 1992. A critical review of data on field-scale dispersion in aquifers. *Water Resources Research*, 28, 1955-1974.

Howard, P.H., R.S. Boethling, W.F. Jarvis, W.M. Meylan, and E.M. Michalenko. 1991. *Handbook of Environmental Degradation Rates*. Chelsea, Michigan: Lewis Publishers.

McDonald, M.G., and A.W. Harbaugh, 1988. "A Modular Three-Dimensional Finite-Difference Ground-Water Flow Model." *Techniques of Water-Resources Investigations of the United States Geological Survey*, Book 6, Chapter A1, 576.

Newell, W. L., Powars, D.S., Owens, J.P., Stanford, S.D., and Stone, B.D. 2000, *Surficial Geologic Map of Central and Southern New Jersey*. U.S. Geological Survey, *Miscellaneous Geologic Investigations Series*, Map I 2540 D, 3 sheets, Scale: 1:100,000.

Pfafflin, J. R. and E. Ziegler. 2006. *Encyclopedia of Environmental Science and Engineering*. CRC Press. Taylor and Francis Group. Boca Raton, Florida.

United States Department of the Interior Geological Survey. 1982. *Physical Properties of Rocks*. Reston, Virginia. Open-File Report 82-166.

United States Environmental Protection Agency. 1985. *Water Quality Assessment: A Screening Procedure for Toxic and Conventional Pollutants in Surface and Ground Water - Part II*. (Revised 1985). EPA/600/6-85/002b.

Zapecza, O. S., 1989, *Hydrogeologic Framework of the New Jersey Coastal Plain*: U. S. Geological Survey Professional Paper 1404-B, 49 p., 24 pl.

Zheng, C. 1990. MT3D: A Modular Three-Dimensional Transport Model for Simulation of Advection, Dispersion, and Chemical Reactions of Contaminants in Ground water Systems, prepared for the U.S. Environmental Protection Agency, Robert S. Kerr Environmental Research Laboratory. Ada, Oklahoma. Developed by S.S. Papadopoulos & Associates, Inc., Rockville, Maryland.

Zheng, C., and G.D. Bennett, 1996. Applied Contaminant Transport Modeling., Van Nostrand Reinhold, New York, 440 pp.

Zheng, C., and G.D. Bennett, 2002. Applied Contaminant Transport Modeling Second Edition., Van Nostrand Reinhold, New York, 621 pp.

Zheng, C., and P.P. Wang. 1998. MT3DMS: A Modular Three Dimensional Multispecies Contaminant Transport Model, Documentation and User's Guide. Technical Publication, U.S. Army Corps of Engineers Waterways Experiment Station, Vicksburg, Mississippi.

Attachment I

**Groundwater Flow and Transport Modeling
Documentation**

Groundwater Flow and Transport Modeling

This Attachment provides the documentation pertaining to the Fort Monmouth Buildings 283, 290, 296, and Landfill MP-18 (the site) groundwater flow and transport models that were used to assist with the CEA application.

Groundwater Flow Model

The Parent MODFLOW Model (Brinkerhoff, 2010), which incorporates all current flow-related data (stratigraphy, water levels, river level, and well pumping rates), was telescope mesh-refined (TMR) to simulate groundwater flow at the site. Details of the 283 TMR MODFLOW Model, along with the Parent MODFLOW model used to generate the 283 TMR MODFLOW Model, are presented below.

MODFLOW Model Horizontal Domain and Grid: The domain and grid are shown on Figure I-1. In the Parent MODFLOW Model, the grid cell size was chosen to be about 25 feet by 25 feet because the model was covering a larger area. In the 283 TMR MODFLOW Model, the Parent MODFLOW Model was cut horizontally to the site area, and the grid was refined to be about five feet by five feet.

MODFLOW Model Vertical Discretization: Figure I-2a provides a conceptual view of the vertical discretization associated with the model. In reality, each model layer has a variable thickness where layer elevation is in general based upon boring log data and/or United States Geological Survey (USGS) reference materials. Since this information for the site is available up to a shallow depth, only 20 feet bgs, the Parent MODFLOW Model, was left unchanged.

Cross-sections through the Parent MODFLOW Model and the 283 TMR MODFLOW Model are provided on Figure I-2b.

MODFLOW Model Time Discretization – The model was set up to simulate steady state flow conditions for 18 years, between years 2000 and 2018.

MODFLOW Model Boundary Conditions (BC)

- **Constant Head Boundaries:** Figure I-3 shows the constant head boundary used in the models as blue cells. The values of the constant head boundary in the 283 TMR MODFLOW Model were determined based upon September 2010 measured head data.
- **Surface Water Body:** Mill/Parker Creek was modeled as a river boundary condition in the Parent Model, and as a constant head boundary condition. The stage associated with Mill/Parker Creek was derived based upon measured groundwater elevations at the wells located near the river. The conductance term of the river was estimated from the Parent MODFLOW Model (Brinkerhoff, 2010). The same river and constant head boundary conditions were kept in the 283 TMR MODFLOW Model, as shown in Figure I-3.

MODFLOW Model Infiltration from Precipitation: The magnitude is derived from measured data (Brinkerhoff, 2010). A uniform constant value of 4 in/yr (0.00091324 feet/day) was used in the Parent MODFLOW model. In the 283 TMR MODFLOW Model, the same recharge was used over the whole site.

MODFLOW Model Hydraulic Conductivity Distribution – Model layers of interest, Layers 1 and 2, are homogeneous with the hydraulic conductivity values shown on Figure I-4. For Layer 1, a hydraulic conductivity of 2.5 ft/day was used in both, Parent MODFLOW Model and 283 TMR MODFLOW Model. For Layer 2, a hydraulic conductivity of 0.5 ft/day was used in both, Parent MODFLOW Model and 283 TMR MODFLOW Model.

MODFLOW Model Results

The groundwater elevation contours of the flow field at the site, based upon measured data from September 2010, are presented on Figure I-5a.

The simulated heads from the Parent MODFLOW Model and 283 TMR MODFLOW Model are presented on Figure I-5b.

Figure I-5c presents particle tracking runs using the MODPATH Model, the particle-tracking post-processing package that was developed to compute three-dimensional flow paths using output from steady-state or transient groundwater flow simulations by MODFLOW.

MODFLOW Model Calibration

Figure I-6a presents the spatial distribution of the residuals (the differences between the measured and simulated heads) for the Parent MODFLOW Model and 283 TMR MODFLOW Model. The measured heads used for calibration are from the September 2010 sampling event.

Figure I-6b presents measured heads versus simulated heads graphs. As it can be seen on Figure I-6b, the calibration in the 283 TMR MODFLOW Model was improved. This is also shown on Figure I-6c, presenting the residuals and the calculated residual mean square error (RMSE).

MODFLOW Model Sensitivity Analyses

Figure I-7 presents the sensitivity analyses of the 283 TMR MODFLOW Model at the variation of different input parameters - horizontal hydraulic conductivity, vertical hydraulic conductivity, and recharge.

Groundwater Transport Model

Site operations have resulted in elevated concentrations of a constituent of possible concern (COPC), benzene in groundwater beneath the site. The objective of this analysis

is to predict migration and future concentrations of these COPCs considering a monitored natural remediation (MNA) approach.

The MT3D computer code (Zheng and Wang 1998) developed by the United States Environmental Protection Agency (USEPA) was selected for solute transport modeling. The MT3D solute transport model uses the velocity field output from the MODFLOW groundwater flow model to predict movement of dissolved constituents by simulating the physical processes of advection, dispersion, adsorption, and biodegradation. MT3D was chosen for this modeling application because it is designed to be used in conjunction with MODFLOW (McDonald and Harbaugh 1988), and it uses the previously constructed Parent MODFLOW Model designed for the site (Brinkerhoff, 2010).

MT3D Model Transport Parameters

The simulation of solute migration requires specification of various transport parameters that control the rate, movement, mixing, adsorption, and degradation of a contaminant in the subsurface. Advection defines the process of contaminant migration due to the movement of groundwater. Dispersion accounts for the mixing of the contaminant in the groundwater due to nonideal flow paths in the aquifer medium. Adsorption refers to the partitioning of a contaminant between the liquid and solid phases of the aquifer. Degradation is the mass decay of a contaminant as a result of physical, chemical, and biological activity within the aquifer.

The solute transport simulations for the COPC at the site was run with advection, dispersion, adsorption and biodegradation.

MT3D Model Advection

Simulation of advective transport requires a specification of the effective porosity to compute interstitial groundwater velocities. The effective porosity was assumed to be 25 percent (%), a reasonable value for the sands and the silty clays at the site (USEPA 1989). The total porosity of the soils in the aquifer is estimated to be on the order of 35%. The difference, 10%, is typically considered to represent ineffective portions of a porous media, not affecting solute transport, because they do not affect the movement of the water.

MT3D Model Dispersion

The dispersion coefficients used in the model, as estimated based upon the plume spread at the site (Gelhar 1992, USEPA 1985) are longitudinal, 5 feet, transverse, 0.5 feet, and vertical, 0.05 feet.

MT3D Model Adsorption

The retardation factor (R_f) is used by the solute transport model to represent the amount of adsorption of a constituent between the dissolved or solute phase and the aquifer matrix. Mathematically, the retardation can be expressed according to the following equation:

$$R_f = 1 + \frac{\rho_b \times K_d}{\theta_e}$$

Where ρ_b is the bulk density (1.5 kg/L), K_d is the soil to water partition coefficient ($K_d = K_{oc} \times f_{oc}$ in L/kg), and θ_e is the effective porosity (0.25). K_{oc} is the organic carbon partition coefficient (see the chemical specific values below), and f_{oc} is the fraction of organic carbon (0.01). The retardation calculated based upon the above assumptions is as follows:

<u>Compound</u>	<u>K_{oc} (L/kg)</u>	<u>K_d (L/kg)</u>	<u>Retardation</u>
Benzene	58.9	0.59	4.5

MT3D Model Biodegradation

The change in mass of a constituent due to first-order degradation processes is represented mathematically as:

$$M = M_0 e^{-\lambda t}$$

Where M is the nondegraded mass at some time, t , M_0 is the initial mass and λ is the decay coefficient. The decay coefficient can be computed from the constituent half-life ($t_{1/2}$), the amount of time it takes 50% of the mass of the constituents to degrade, using the equation:

$$\lambda = \frac{\ln 2}{t_{1/2}}$$

The site-specific half-life for the COCs was quantified based upon historical site data. The modeled decay coefficient for each COC is as follows:

<u>Compound</u>	<u>Bio-Decay Half-Life (yrs)</u>	<u>Decay Coefficient (yrs⁻¹)</u>
Benzene	0.3	2.1

MT3D Model Initial Conditions

The initial conditions for concentration (September 2000) of the three COCs are defined by using an initial known concentration distribution and no source mass loading, to model the distribution for September 2010, using the site-specific calibrated flow and transport model. This method provides a physically and numerically consistent initial condition for use in the predictive runs.

In Figure I-8a there are the concentration contour maps of the initial conditions, the measured maximum 2000 data, and in Figure I-8b and I-8c there are the concentration contour maps of the measured May 2010 and September 2010 data, used for calibration.

MT3D Model Sources

Source conditions were not included in the model.

MT3D Model Calibration

The CEA duration and extent depend on the most conservative constituent, which here is benzene. Therefore, benzene simulated concentrations at 0 (September 2000), 9.8 and 10 years (May 2010 and September 2010), 15 years (September 2015) and 17 years (September 2017) are presented as iso-concentrations on Figures I-9a, I-9b, I-9c, I-9d and I-9e. Figure I-9b presents the simulated iso-concentrations for benzene in May 2010, and Figure I-9c presents the simulated iso-concentrations for benzene in September 2010, which compare well with the iso-concentrations generated from May 2010 and September 2010 measured data presented on Figures I-8b and I-8c.

MT3D Model Results

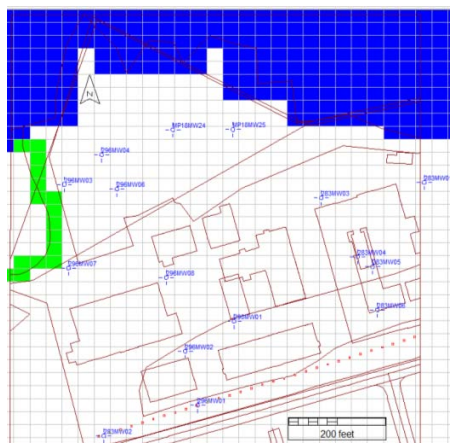
The simulation results for the future conditions are presented in the wells with the highest benzene concentrations, 283MW02, 283MW03 and 296MW06, in Figures I-10a, I-10b and I-10c, along with the historical measured concentrations.

Figures I-9d and I-9e present the benzene simulation results for future conditions, as iso-concentrations in years 2015 and 2017.

As it can be seen on all the figures which present the modeling results, the COPC, benzene, shows decreases in magnitude and extent.

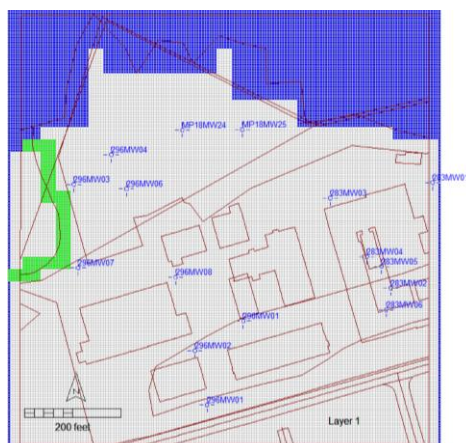
The September 2010 CEA extent on Figure I-11 is derived from the simulated MT3D/measured September 2010 concentrations, and covers an area of about 0.5 acres.

For the 2012 Biennial Certification monitoring report of the site groundwater CEA, the September 2010 CEA extent will be updated and the 2010-2012 monitoring data will be used to confirm the fate and transport modeling results presented herein.



Parent MODFLOW
Model
~ 25 feet x 25 feet cell

Model Summary		
Grid		
Rows	430	
Columns	429	
Layers	4	
Total Cells	737880	
Active Cells	554638	
Coordinate Transformation		
X Offset	612753.65	
Y Offset	533877.17	
Rotation	0	
Boundary Conditions		
Constant Heads	83375	
Wells	0	
Rivers	892	
Drains	0	
GHBs	0	
Streams	0	
Walls	0	
Lakes	0	
Wetlands	0	
No Flow	183242	
FHB	0	
Grid Spacings		
	Minimum	Maximum
Rows (Delta-Y)	26.687696	26.6876970000
Columns (Delta-X)	33.136779999	33.136790000
Original File from GV Version 5: gv550		
Target Types		
Head	180	
Head Difference	0	
Drawdown	0	
Concentration	0	
Flux (node)	0	
Flux (reach)	0	
Prior Information	0	
Constraints	0	
Kx Pilot Point	0	
Kz Pilot Point	0	
Analytic Elements		
Wells	0	
Line Boundaries	0	
Circle Boundaries	0	
Polylines	0	
Polygons	0	



283 TMR MODFLOW
Model
~ 5 feet x 5 feet cell

Model Summary		
Grid		
Rows	180	
Columns	172	
Layers	4	
Total Cells	123840	
Active Cells	92880	
Coordinate Transformation		
X Offset	618154.43	
Y Offset	539988.65	
Rotation	0	
Boundary Conditions		
Constant Heads	8600	
Wells	0	
Rivers	513	
Drains	0	
GHBs	0	
Streams	0	
Walls	0	
Lakes	0	
Wetlands	0	
No Flow	30960	
FHB	0	
Grid Spacings		
	Minimum	Maximum
Rows (Delta-Y)	5.04100899999	5.04100900000
Columns (Delta-X)	5.20121699999	5.20121700000
Original File from GV Version 5: gv550		
Target Types		
Head	16	
Head Difference	0	
Drawdown	0	
Concentration	0	
Flux (node)	0	
Flux (reach)	0	
Prior Information	0	
Constraints	0	
Kx Pilot Point	0	
Kz Pilot Point	0	
Analytic Elements		
Wells	0	
Line Boundaries	0	
Circle Boundaries	0	
Polylines	0	
Polygons	0	

Figure I-1: MODFLOW Models Horizontal Discretization

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.



SCALE: See Map

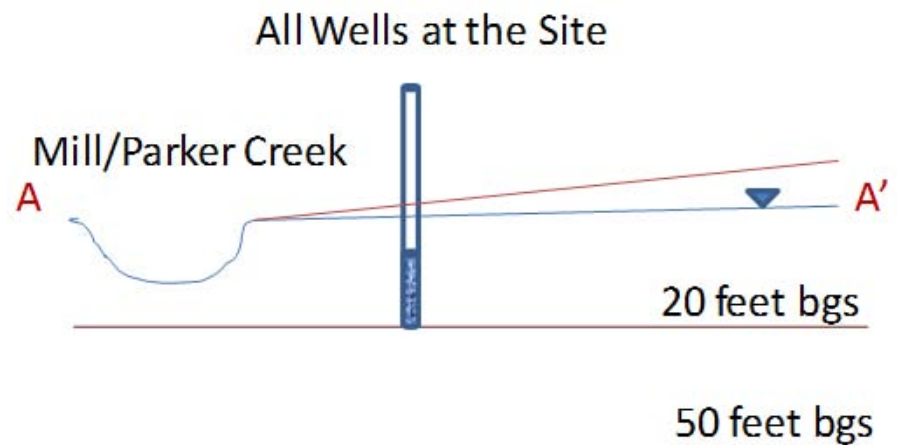
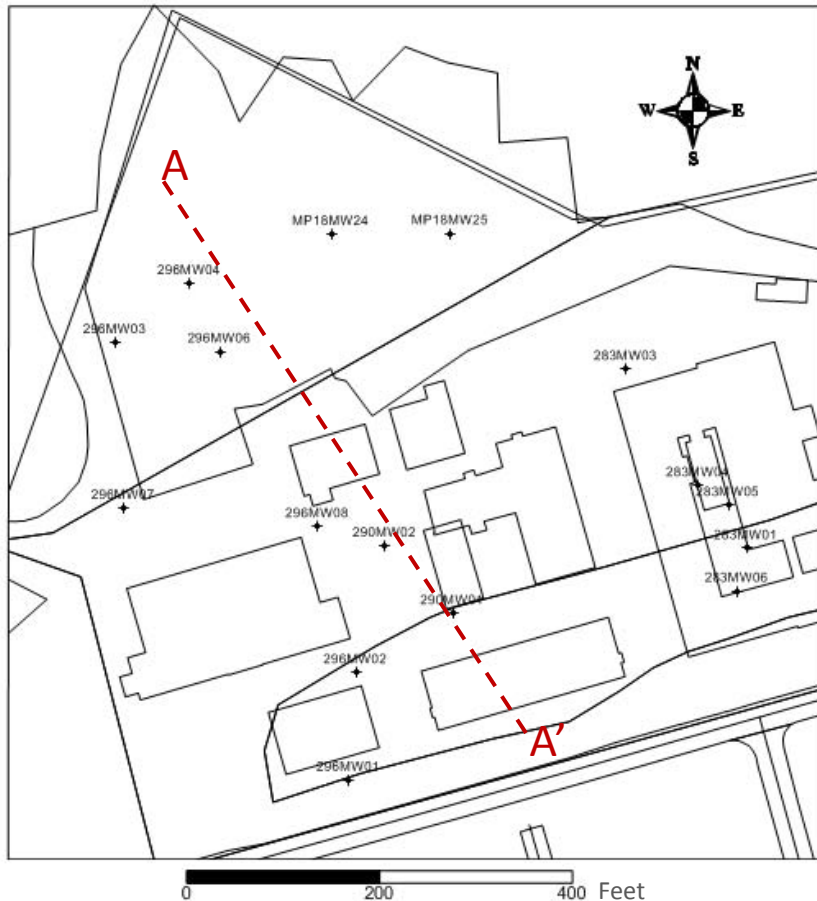
DATE: 5/12/2011

PREPARED BY: Liliana Cecan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Generalized
Site Cross-Section

Figure I-2a: Conceptual View of Vertical Discretization

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

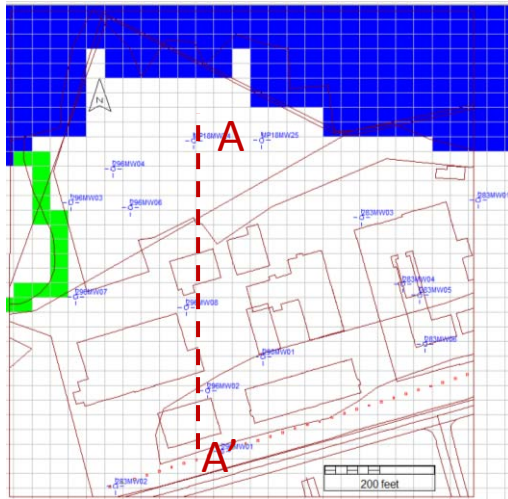
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

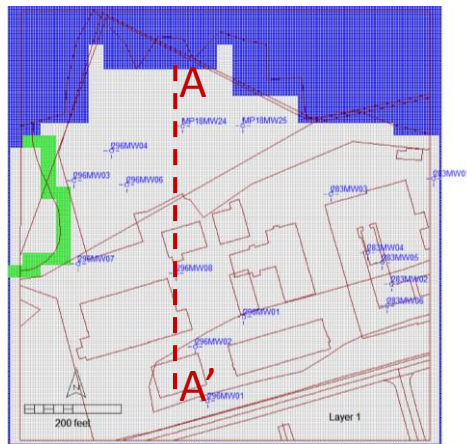
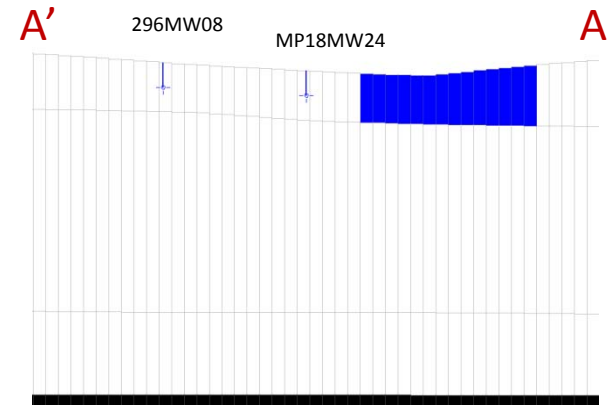
CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Parent MODFLOW
Model
Layer 1 & 2 ~ 120 feet bgs



283 TMR MODFLOW
Model
Layer 1 & 2 ~ 120 feet bgs

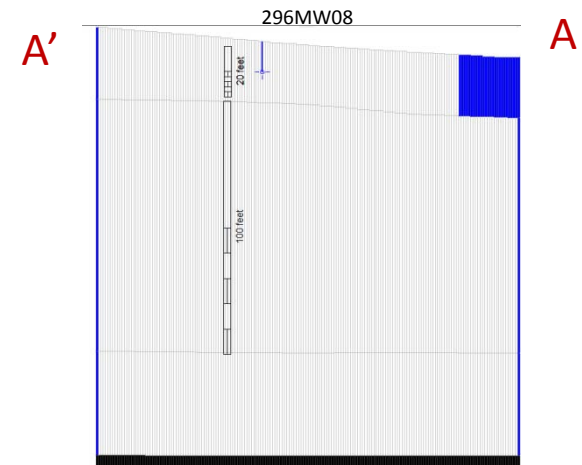


Figure I-2b: MODFLOW Models Vertical Discretization

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

DATE: 5/12/2011

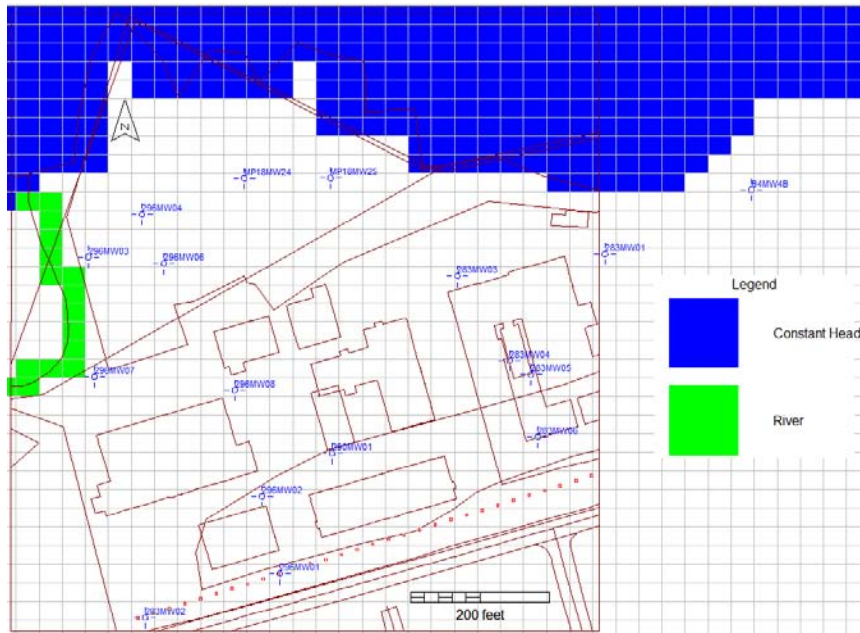
PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

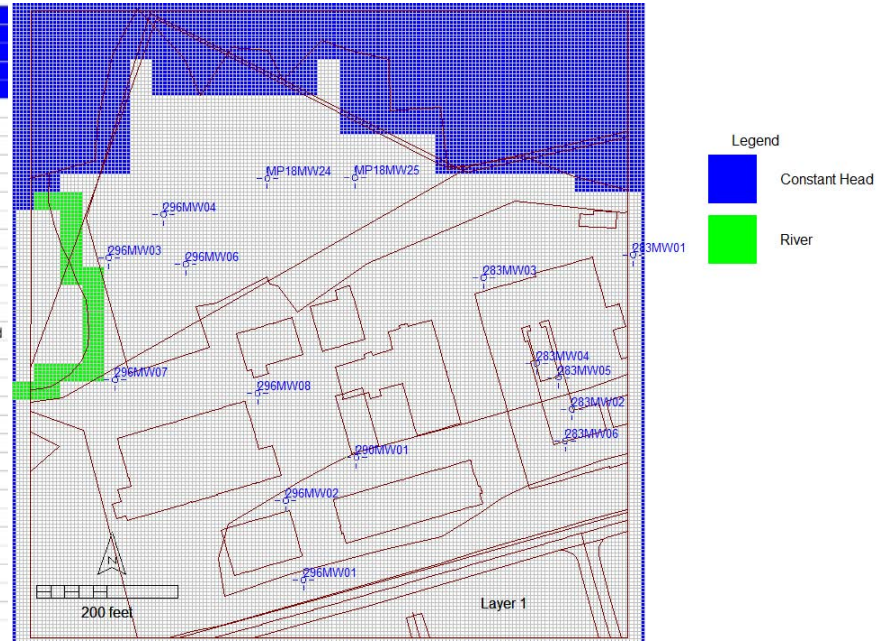
PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf

Parent MODFLOW Model



283 TMR MODFLOW Model



Note

All constant Head BC for the Parent MODFLOW Model are not visible - they are at the edges of the Parent MODFLOW Model grid, similar to the Constant Head BC for the 283 TMR MODFLOW Model.

Figure I-3: MODFLOW Models Boundary Conditions

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

DATE: 5/12/2011

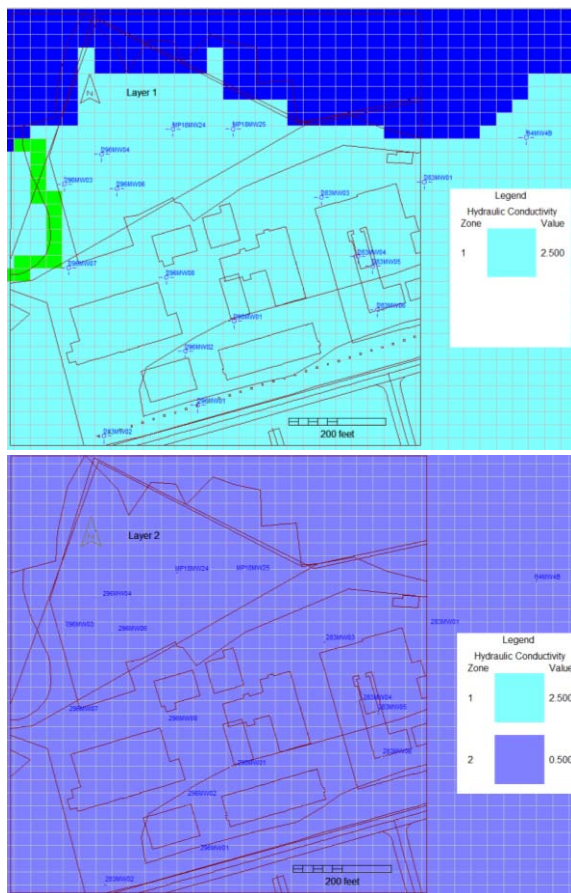
PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

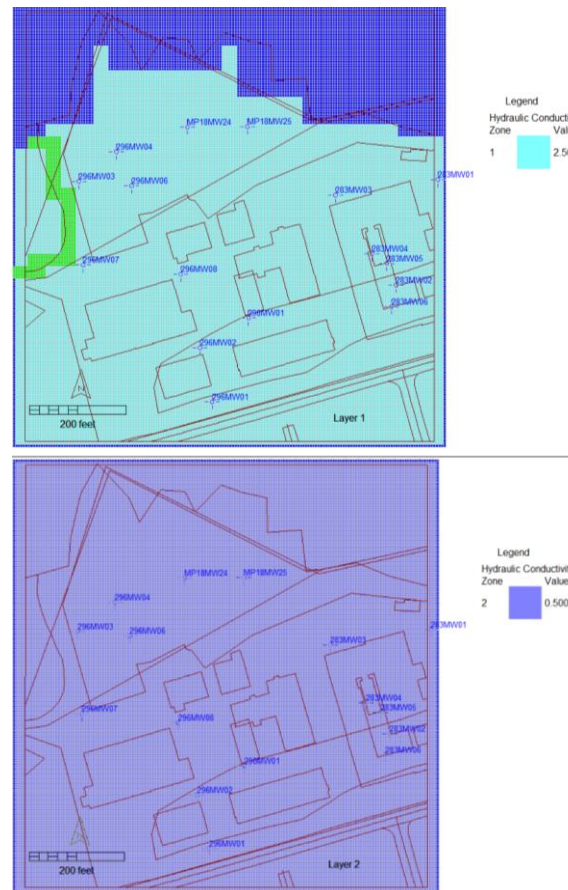
PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf

Parent MODFLOW Model



283 TMR MODFLOW Model



Note

Vertical hydraulic conductivity is 10% of horizontal hydraulic conductivity

Figure I-4: MODFLOW Models Hydraulic Conductivity

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

DATE: 5/12/2011

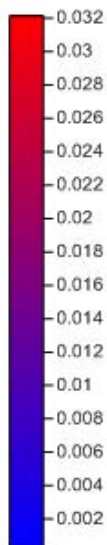
PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf

Legend



Color scale for hydraulic gradient magnitude
September 2010 measured data



Figure I-5a: Ground Water Elevation Contours and Flow Directions

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf

Parent MODFLOW Model



283 TMR MODFLOW Model



Note

Ground water elevation contours in the two models are similar due to the same 283 TMR MODFLOW boundary conditions and no re-calibration.

Figure I-5b: Models Results – Ground Water Elevation Contours

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

DATE: 5/12/2011

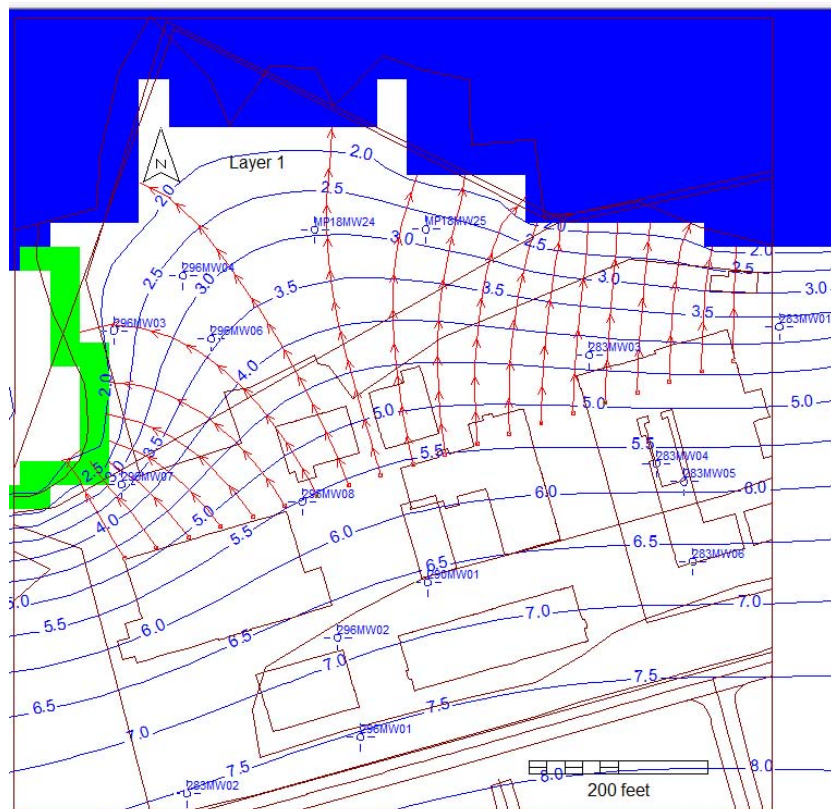
PREPARED BY: Liliana Cecan/John Nappi

CHECKED BY: Gary DiMartinis

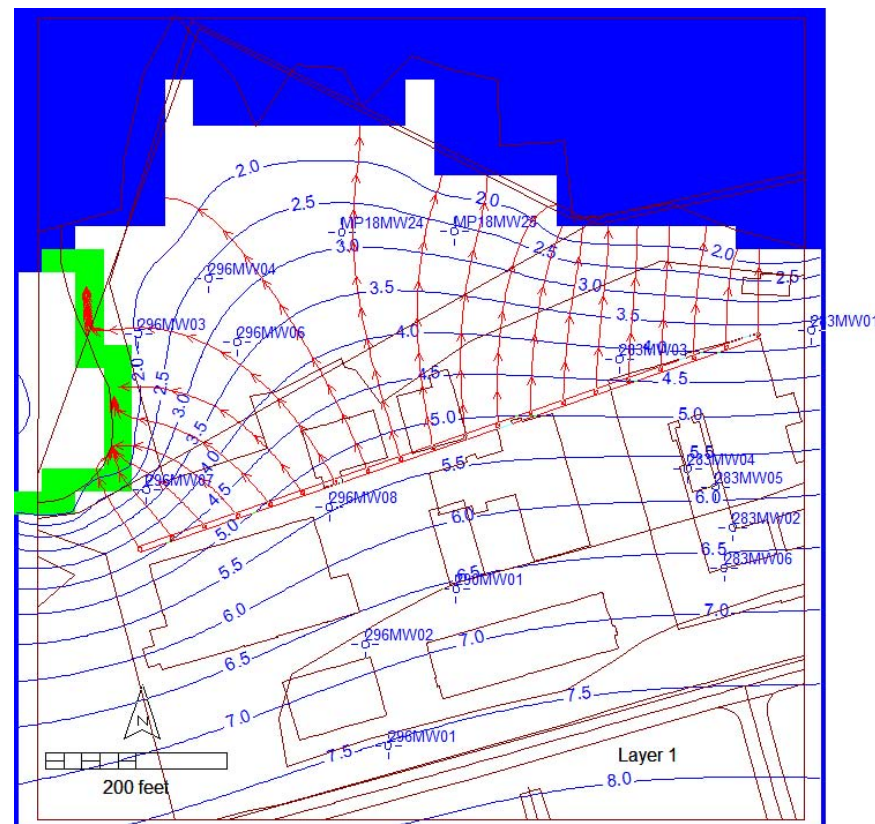
PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf

Parent MODFLOW Model



283 TMR MODFLOW Model



Note

Ticks/Arrows are every 1 year (365 days). Effective porosity is 0.25.

Figure I-5c: Models Results – Particle Tracking

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

DATE: 5/12/2011

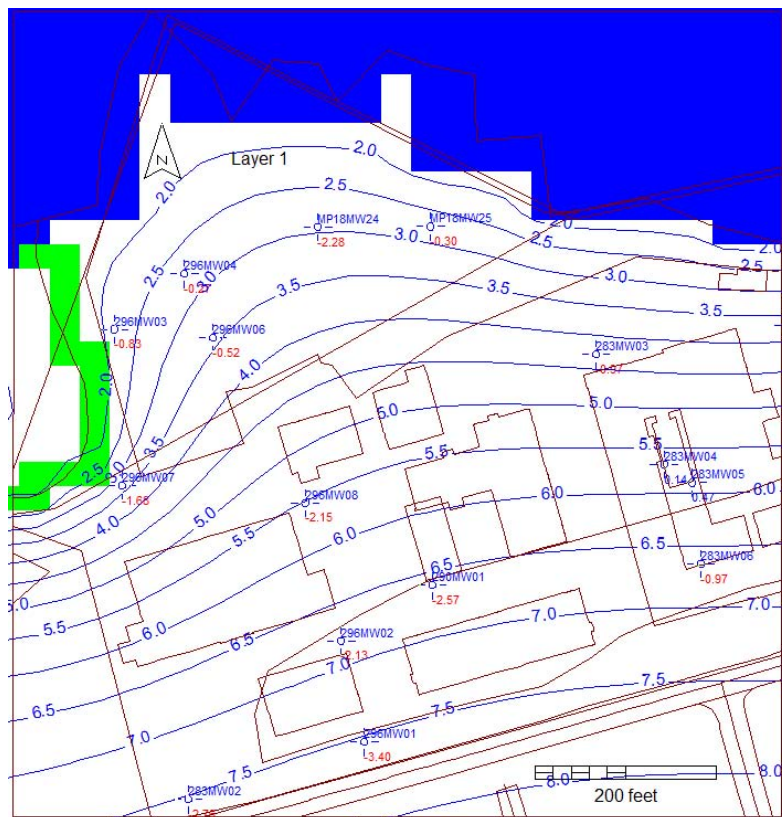
PREPARED BY: Liliana Cecan/John Nappi

CHECKED BY: Gary DiMartinis

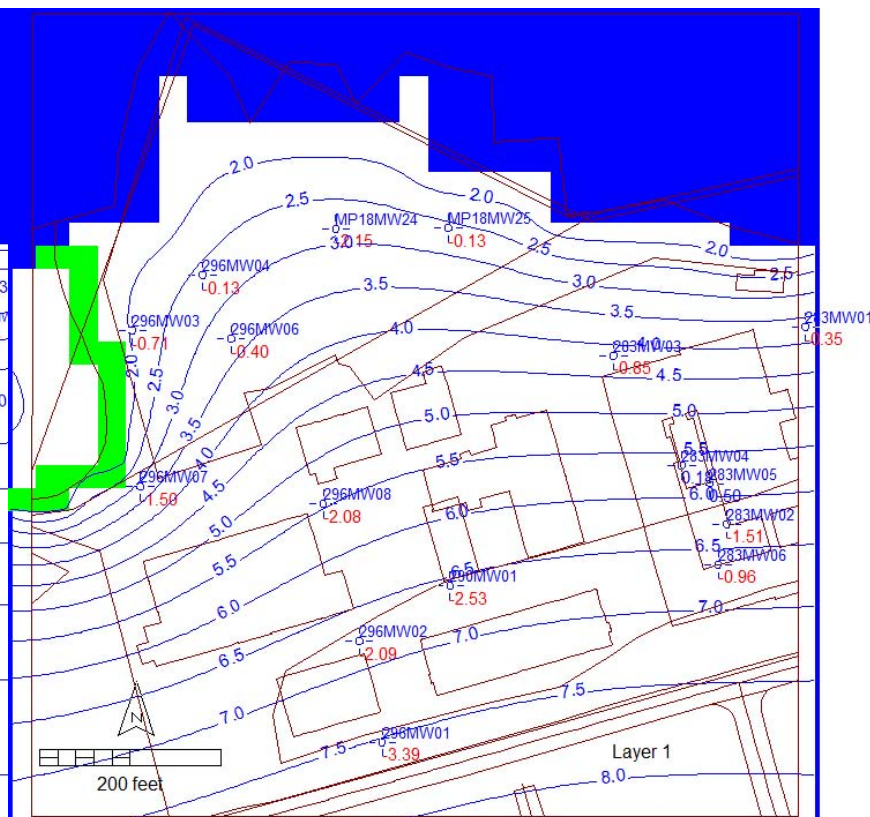
PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf

Parent MODFLOW Model



283 TMR MODFLOW Model



Note

Residuals represent the differences between measured and simulated heads. The measured heads are from the September 2010 sampling event.

Figure I-6a: MODFLOW Calibration – Residuals Distributions

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

DATE: 5/12/2011

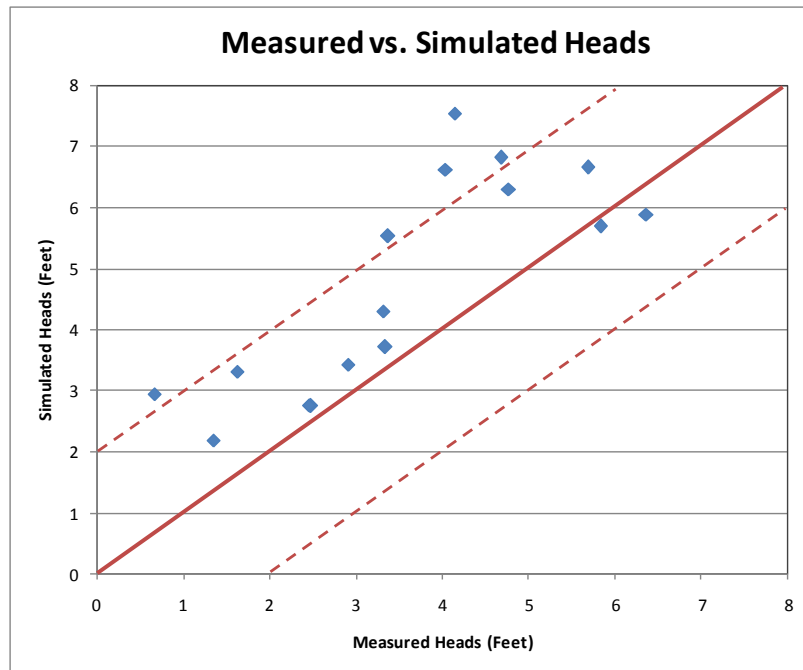
PREPARED BY: Liliana Cecan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

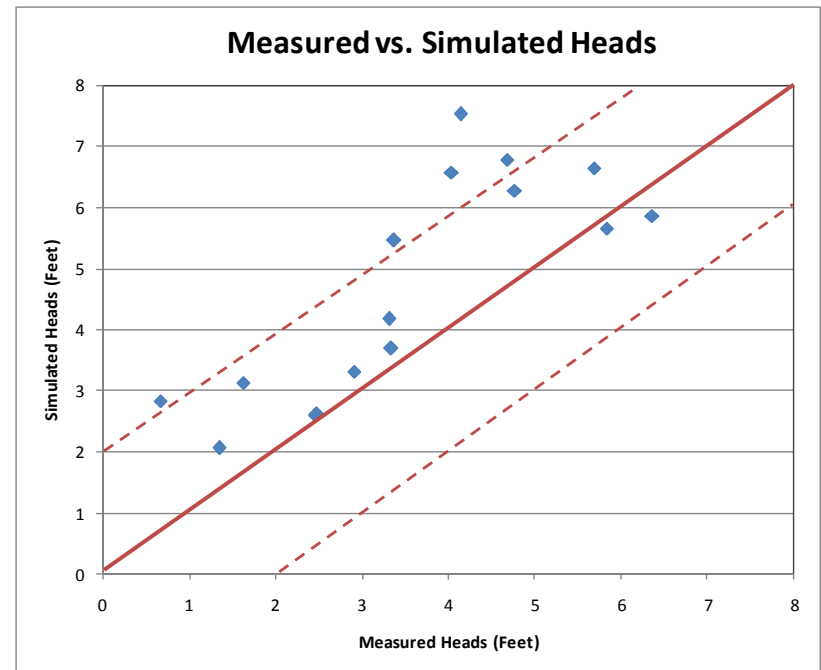
FILE NAME: 283-290-296-MP18-Figs-I.pdf

Parent MODFLOW Model 283 Site Only



RMSE = 1.60

283 TMR MODFLOW Model



RMSE = 1.55

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.



SCALE: See Map

DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf

Figure I-6b: MODFLOW Calibration – Measured vs. Simulated Heads

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

Parent MODFLOW Model 283 Site Only

Name	X	Y	Layer	Observed	Computed	Residual
283MW01	619033.2	540539.9	1	3.34	3.71	0.37
283MW02	618946.2	540322.4	1	4.77	6.30	1.53
283MW03	618821.3	540508	1	3.32	4.29	0.97
283MW04	618896.2	540387.1	1	5.83	5.69	-0.14
283MW05	618927.3	540367.1	1	6.36	5.89	-0.47
283MW06	618936.7	540277.8	1	5.68	6.65	0.97
290MW01	618641.3	540254.3	1	4.04	6.61	2.57
296MW01	618566.3	540081.9	1	4.14	7.54	3.40
296MW02	618540.9	540193.1	1	4.68	6.81	2.13
296MW03	618291.3	540535.8	1	1.35	2.18	0.83
296MW04	618368.5	540596.9	1	2.48	2.75	0.27
296MW06	618399.8	540526.3	1	2.91	3.43	0.52
296MW07	618299.9	540363.8	1	1.63	3.31	1.68
296MW08	618501.4	540344.6	1	3.37	5.52	2.15
MP18MW24	618515.4	540648.3	1	0.67	2.95	2.28
MP18MW25	618639.3	540648.9	1	2.46	2.76	0.30
Residual Mean	1.21					
Abs. Res. Mean	1.29					
Res. Std. Dev.	1.08					
Sum of Squares	41.07					
RMS Error	1.60					
Min. Residual	-0.47					
Max. Residual	3.40					
Number of Observations	16					
Range in Observations	5.69					
Scaled Std. Dev.	0.191					
Scaled Abs. Mean	0.226					
Scaled RMS	0.28					

RMSE = 1.60

283 TMR MODFLOW Model

Name	X	Y	Layer	Observed	Computed	Residual
283MW01	619033.2	540539.9	1	3.34	3.69	0.35
283MW02	618946.2	540322.4	1	4.77	6.28	1.51
283MW03	618821.3	540508	1	3.32	4.17	0.85
283MW04	618896.2	540387.1	1	5.83	5.65	-0.18
283MW05	618927.3	540367.1	1	6.36	5.86	-0.50
283MW06	618936.7	540277.8	1	5.68	6.64	0.96
290MW01	618641.3	540254.3	1	4.04	6.57	2.53
296MW01	618566.3	540081.9	1	4.14	7.53	3.39
296MW02	618540.9	540193.1	1	4.68	6.77	2.09
296MW03	618291.3	540535.8	1	1.35	2.06	0.71
296MW04	618368.5	540596.9	1	2.48	2.61	0.13
296MW06	618399.8	540526.3	1	2.91	3.31	0.40
296MW07	618299.9	540363.8	1	1.63	3.13	1.50
296MW08	618501.4	540344.6	1	3.37	5.45	2.08
MP18MW24	618515.4	540648.3	1	0.67	2.82	2.15
MP18MW25	618639.3	540648.9	1	2.46	2.59	0.13
Residual Mean	1.13					
Abs. Res. Mean	1.22					
Res. Std. Dev.	1.10					
Sum of Squares	38.49					
RMS Error	1.55					
Min. Residual	-0.50					
Max. Residual	3.39					
Number of Observations	16					
Range in Observations	5.69					
Scaled Std. Dev.	0.193					
Scaled Abs. Mean	0.214					
Scaled RMS	0.27					

RMSE = 1.55

Figure I-6c: MODFLOW Calibration – RMSE

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18



SCALE: See Map

DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf

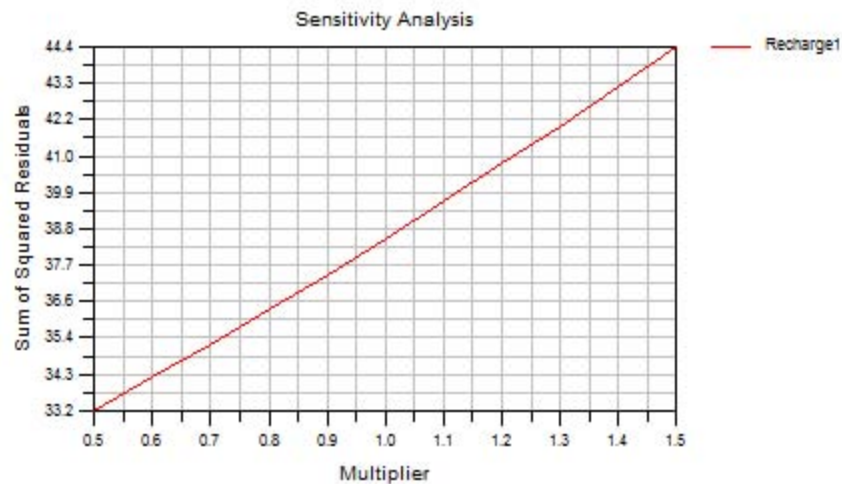
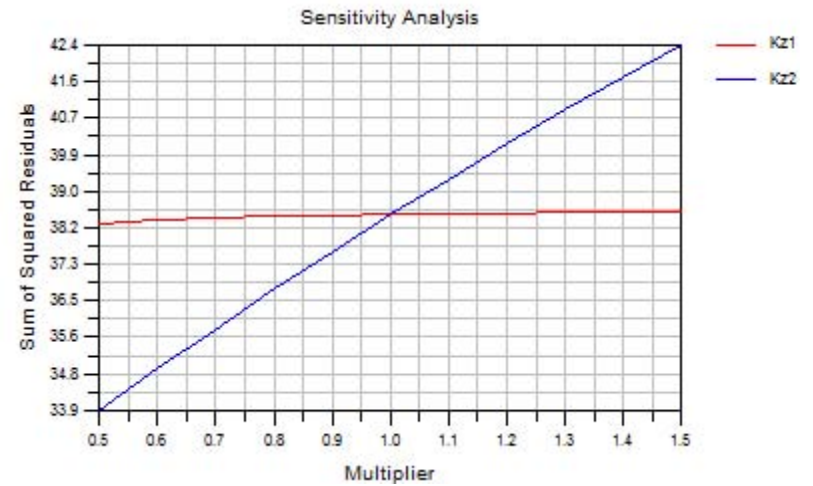
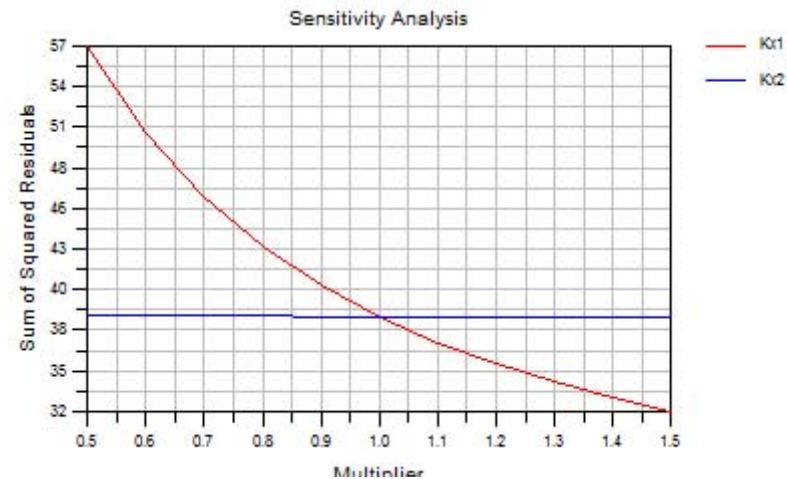


Figure I-7: 283 TMR MODFLOW Model – Sensitivity Analysis

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.



SCALE: See Map

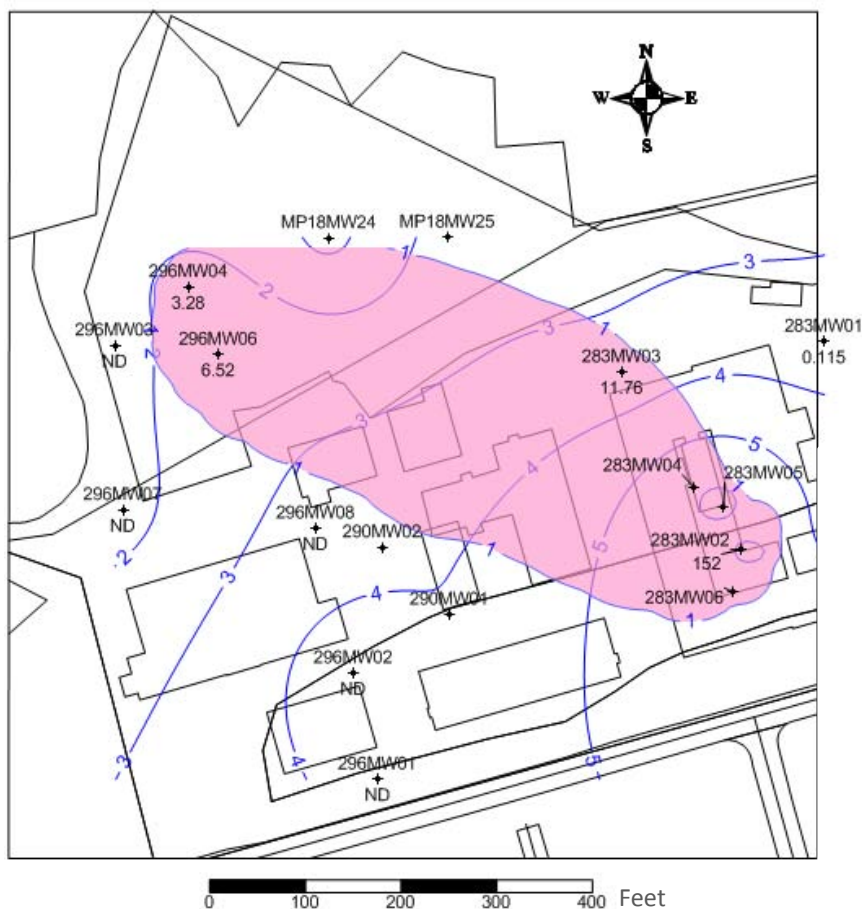
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Legend

Measured Benzene **1 ug/L** plume – Maximum measured 2000 data
Ground Water Elevation - September 2010 data

Figure I-8a: Measured Concentrations – Spatial Distribution in 2000

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

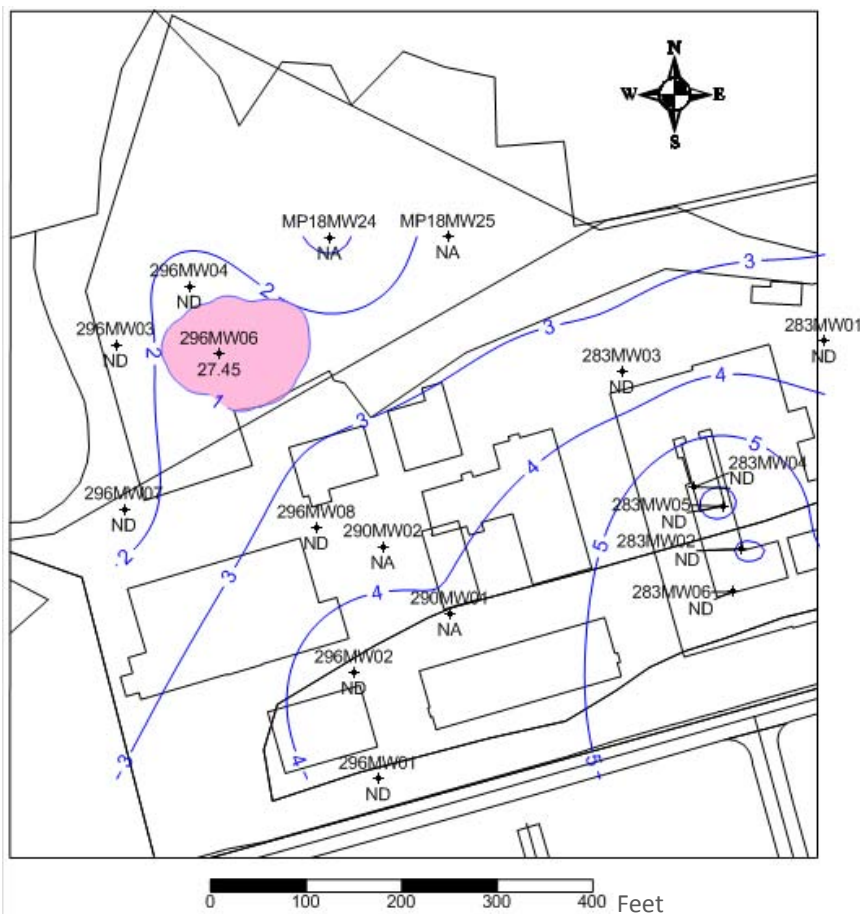
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Legend

Measured Benzene **1 ug/L** plume – May 2010 data
Ground Water Elevation - September 2010 data

Figure I-8b: Measured Concentrations – Spatial Distribution in May 2010

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.



SCALE: See Map

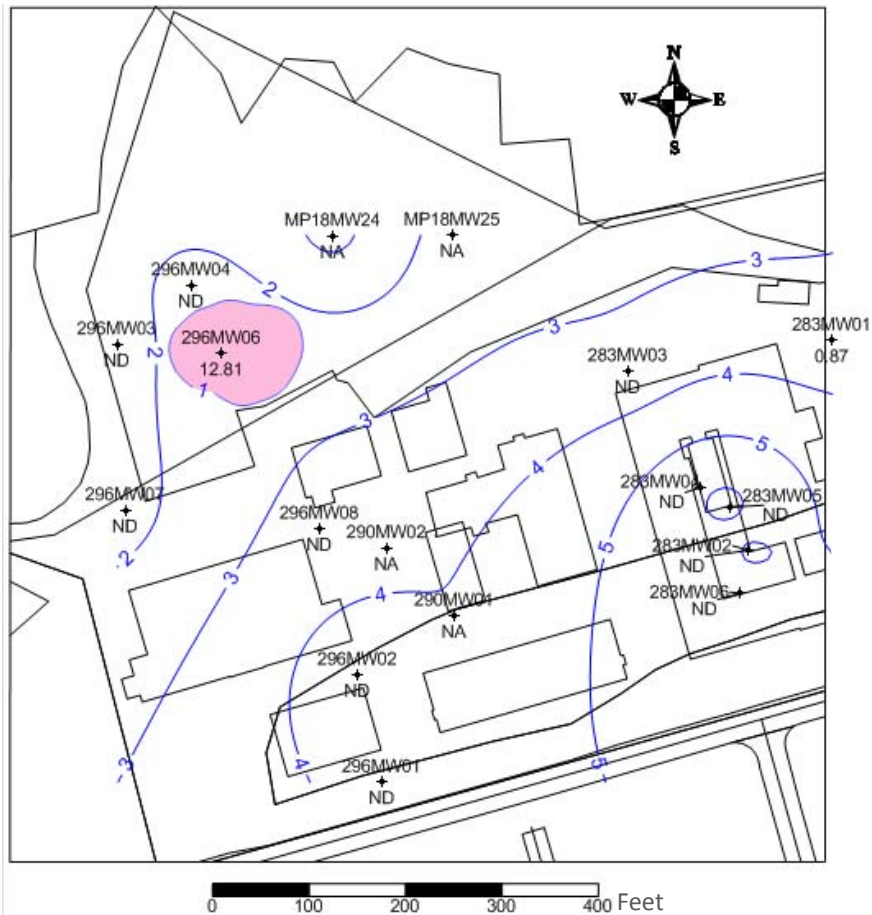
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Legend

Measured Benzene **1 ug/L** plume – September 2010 data
Ground Water Elevation - September 2010 data

Figure I-8c: Measured Concentrations – Spatial Distribution in Sept. 2010

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

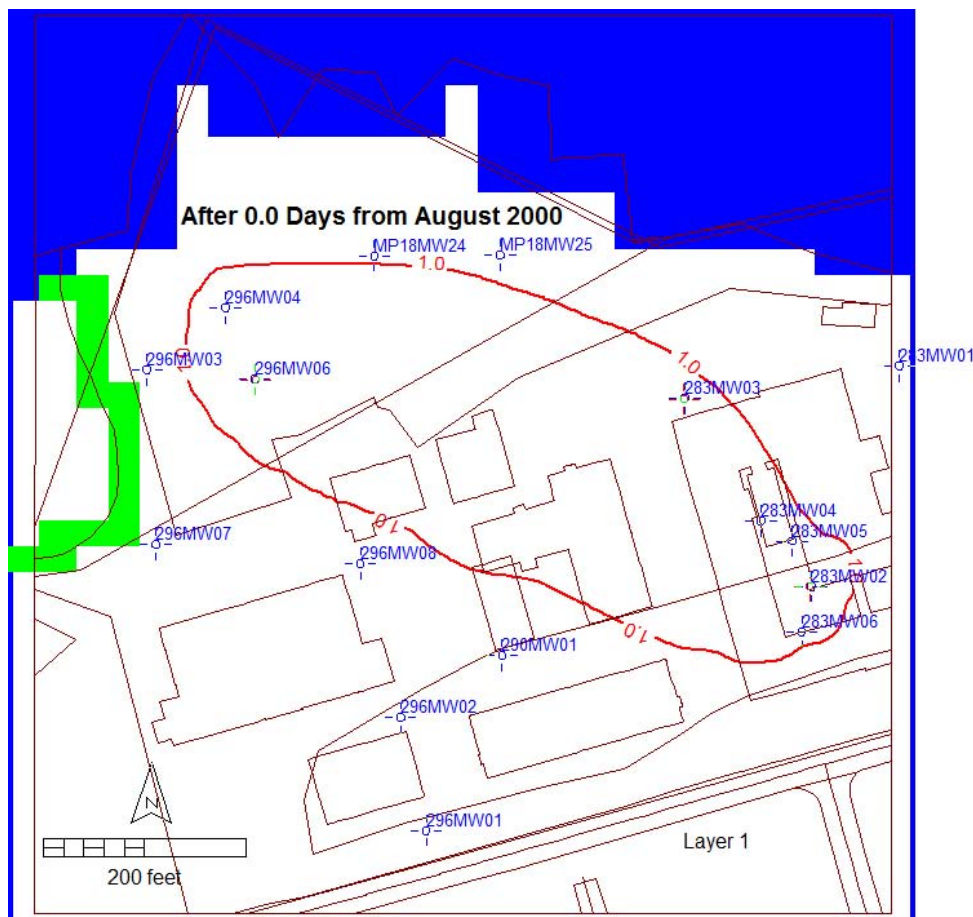
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Legend



Simulated 1 ug/L Benzene plume – Initial Concentrations

Figure I-9a: Simulated Concentrations – August 2000

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

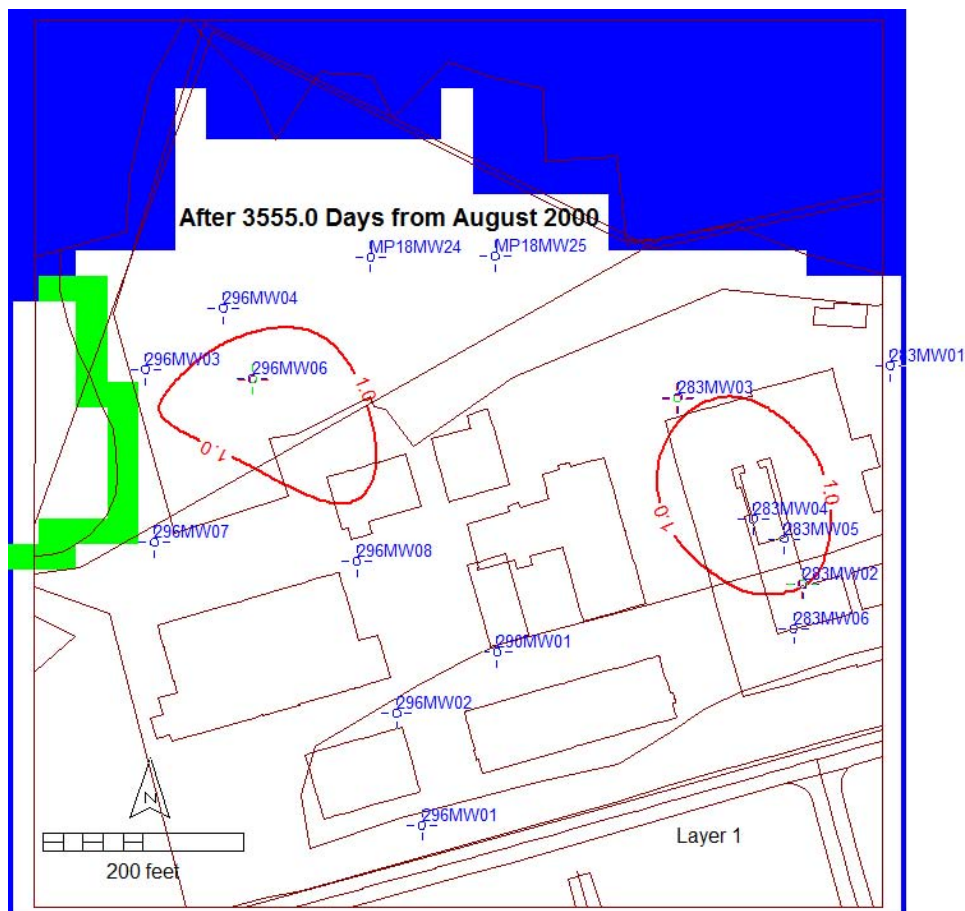
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Legend



Simulated 1 ug/L Benzene plume

Figure I-9b: Simulated Concentrations – May 2010

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

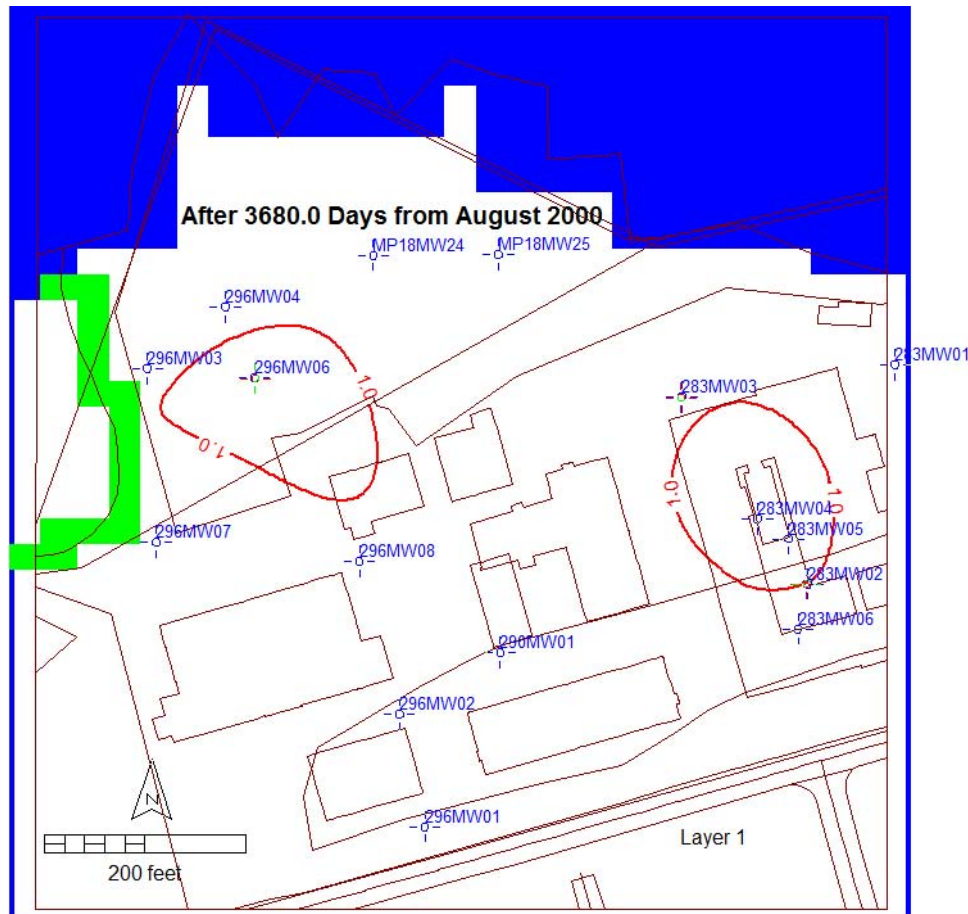
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Legend



Simulated 1 ug/L Benzene plume

Figure I-9c: Simulated Concentrations – September 2010

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

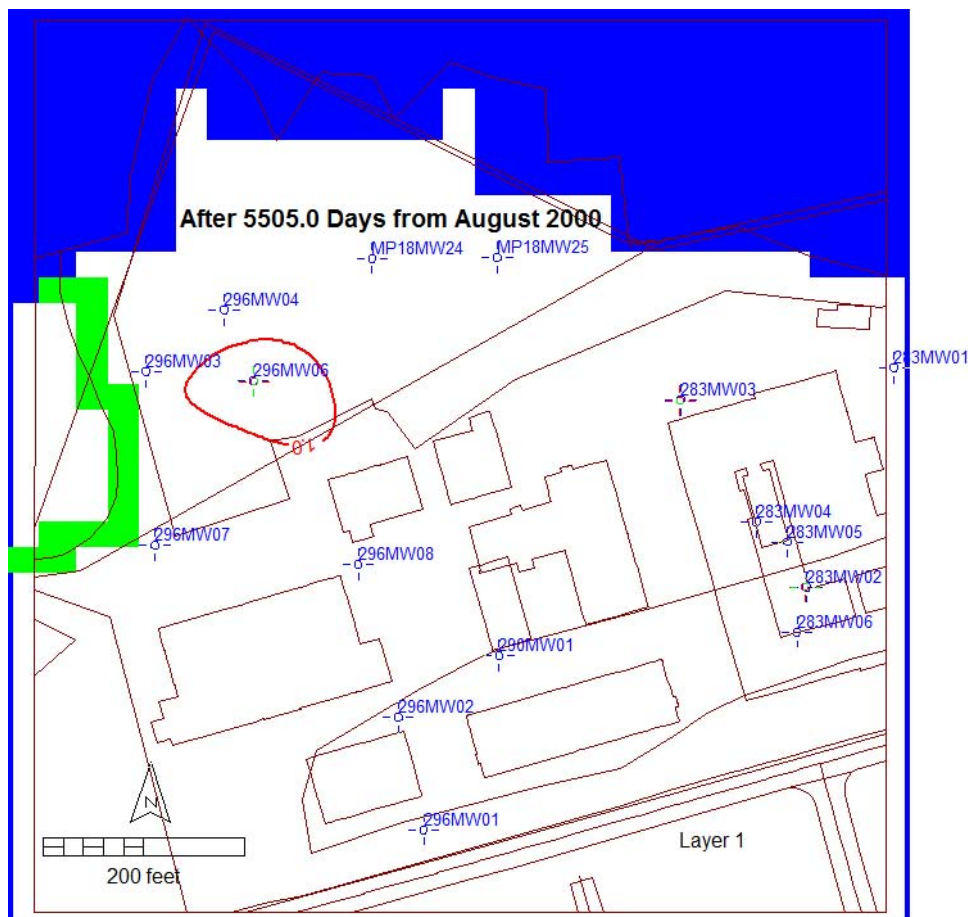
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Legend



Simulated 1 ug/L Benzene plume

Figure I-9d: Simulated Concentrations – September 2015

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

SCALE: See Map

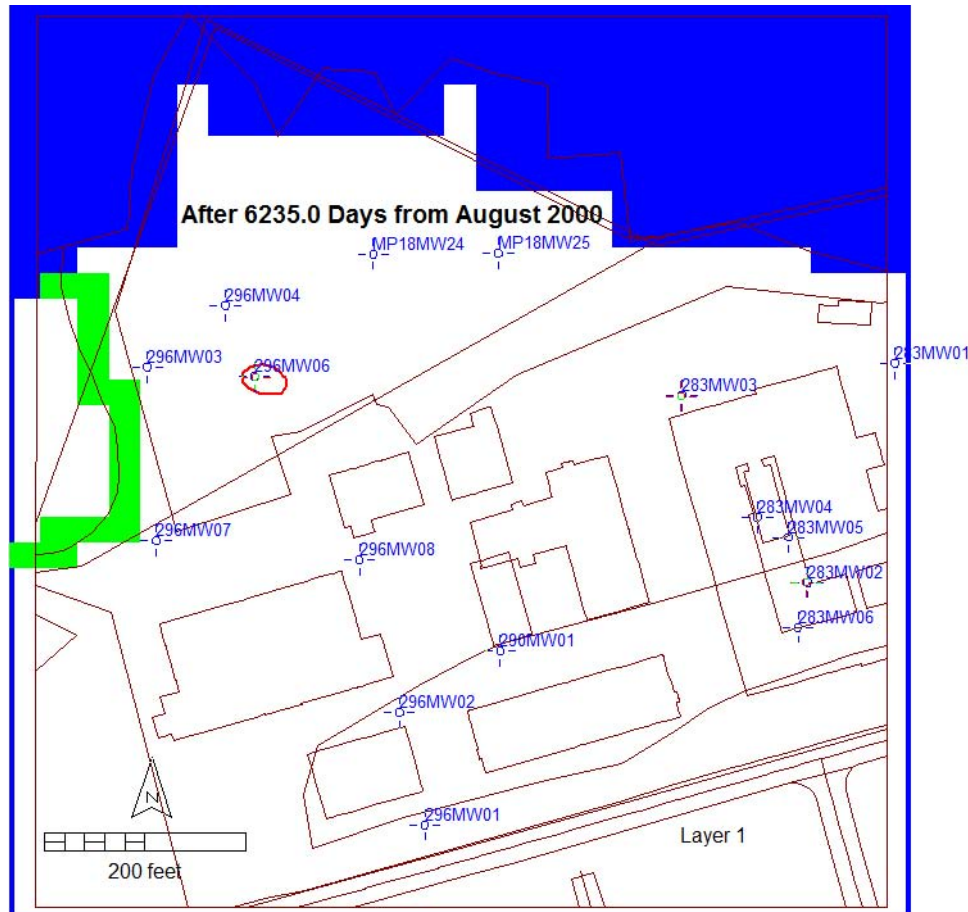
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Legend



Simulated 1 ug/L Benzene plume

Figure I-9e: Simulated Concentrations – September 2017

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.



SCALE: See Map

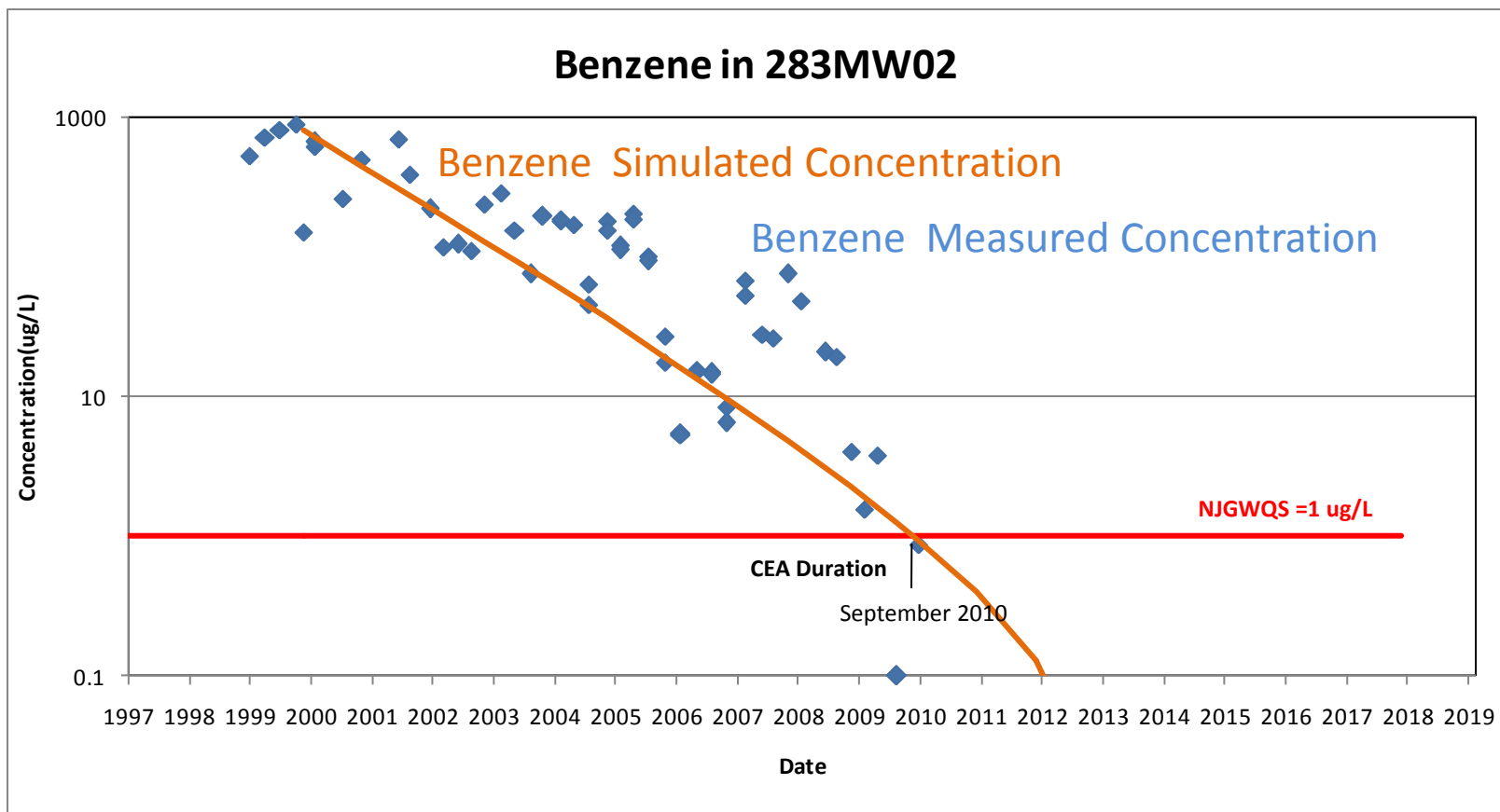
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Legend

283MW02 Benzene CEA Duration – Sept. 2010 (0 years)
 Historical Benzene measured and simulated data

Figure I-10a: Measured/Simulated 283MW02 Benzene – Temp. Distrib.

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18



SCALE: See Map

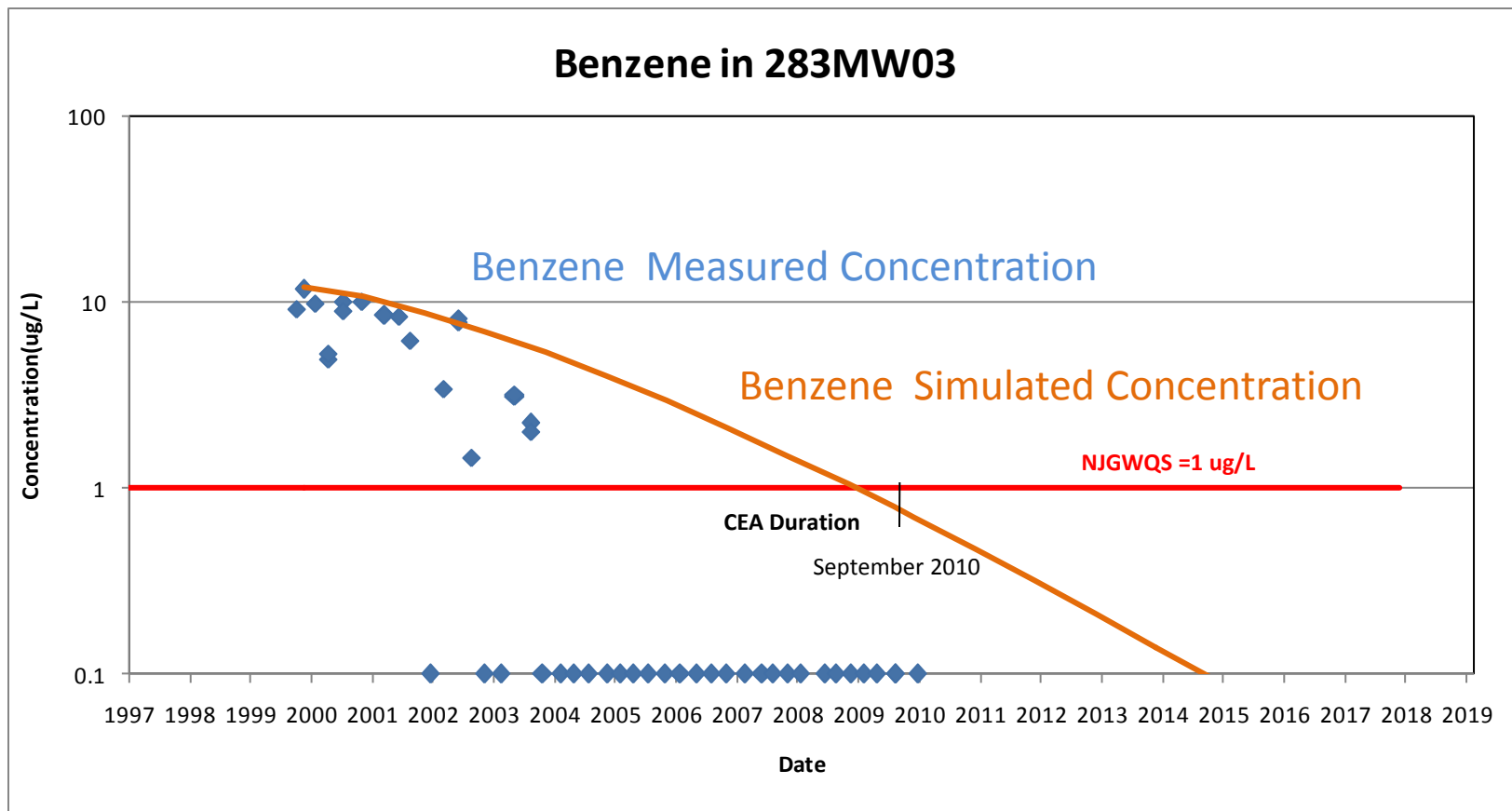
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Legend

283MW03 Benzene CEA Duration – Sept. 2010 (0 years)
 Historical Benzene measured and simulated data

Figure I-10b: Measured/Simulated 283MW03 Benzene – Temp. Distrib.

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18



SCALE: See Map

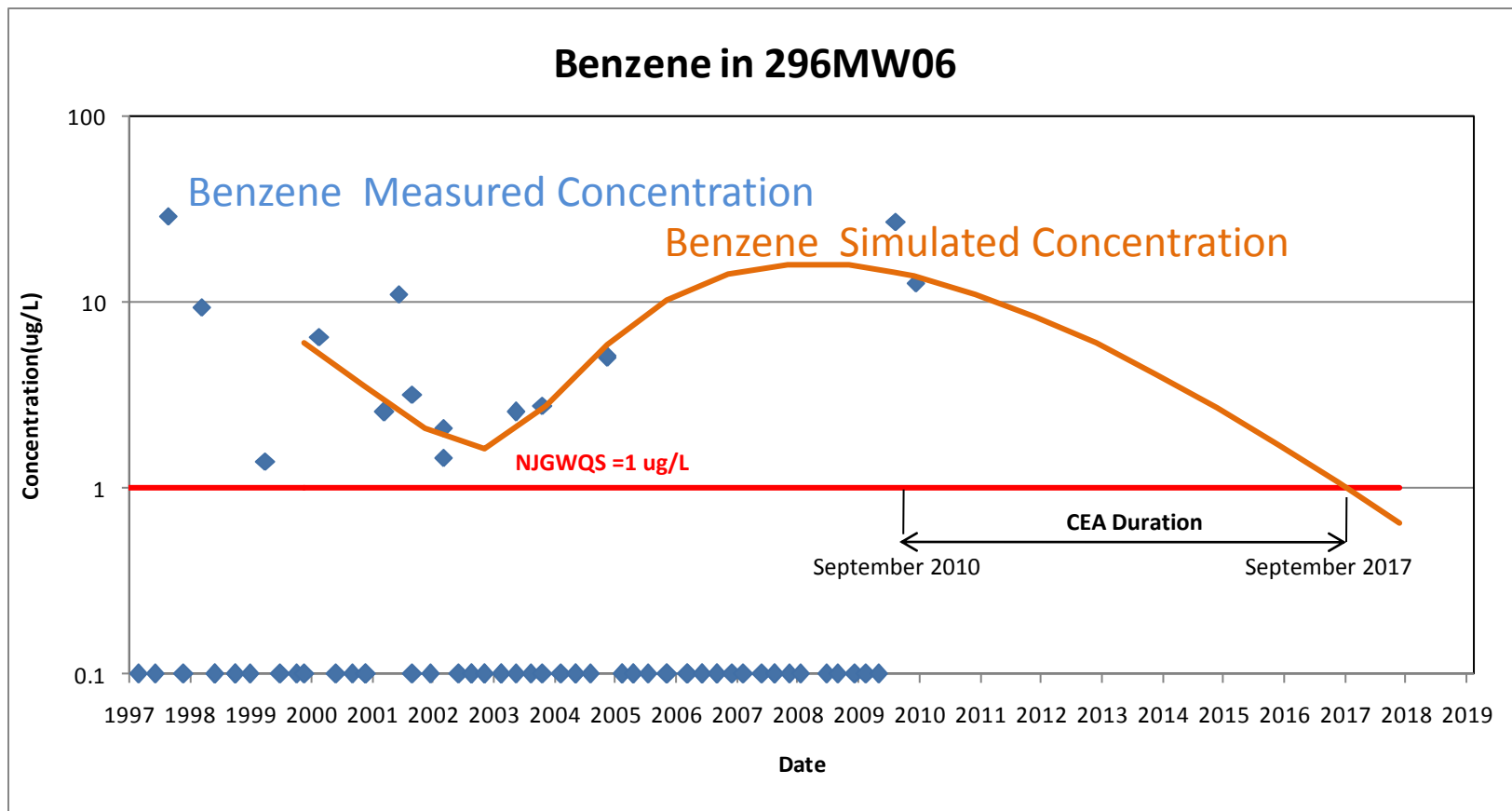
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Legend

296MW06 Benzene CEA Duration – Sept. 2010 to Sept. 2017 (~ 7 years)
 Historical Benzene measured and simulated data

Figure I-10c: Measured/Simulated 296MW06 Benzene – Temp. Distrib.

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18



SCALE: See Map

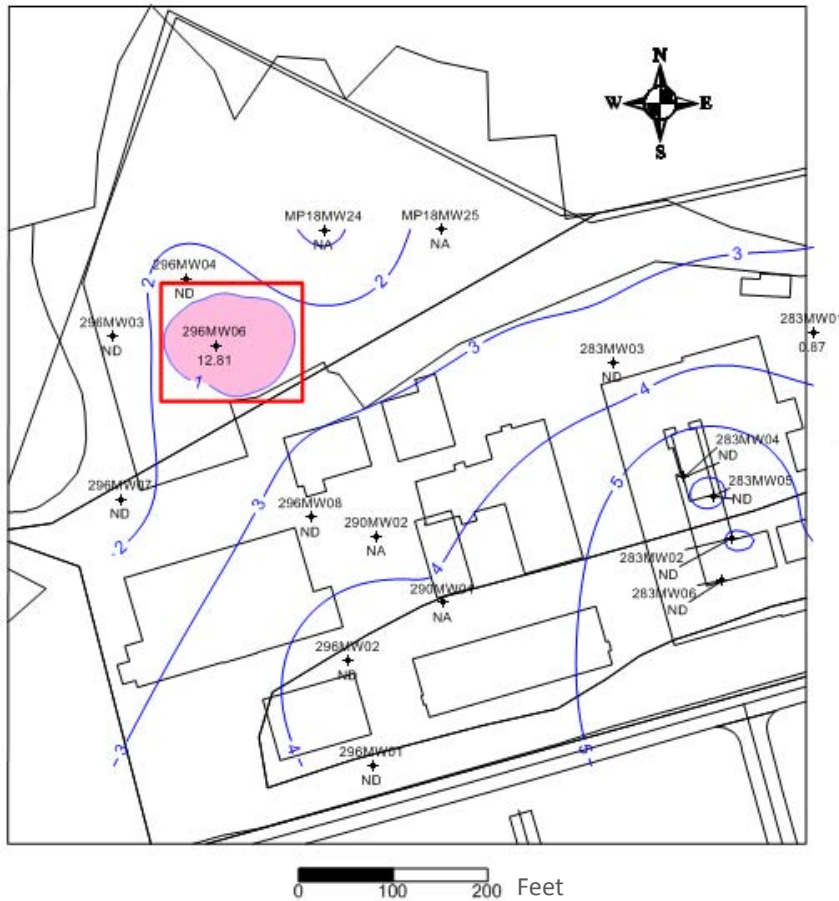
DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf



Legend



September 2010 CEA based on September 2010 measured data
Areas: Benzene (22,500 sq. ft)

Figure I-11: September 2010 CEA Extent

Fort Monmouth, NJ - Buildings 283, 290, 296 and Landfill MP-18

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.



SCALE: See Map

DATE: 5/12/2011

PREPARED BY: Liliana Cekan/John Nappi

CHECKED BY: Gary DiMartinis

PROJECT NO.: 09BR116

FILE NAME: 283-290-296-MP18-Figs-I.pdf

Attachment II
Diskette METADATA

Diskette Metadata

Site Name: Fort Monmouth – Buildings 283, 290, 296, and Landfill MP-18

Case Name: FTMM-61, FTMM-55, FTMM-54 and FTMM-18

CSL ID # 97-08-28-1330-33 (283), 93-11-30-1246-27 (290)

Lead Program ID:

Lead Program (Letter Abbreviation)

Street Address of Facility

Municipality: Oceanport

County: Monmouth

Start Date: September 2010

Duration: 7 years for Benzene, Indeterminate for Lead

Contaminants: Benzene, Lead

CEA Depth: Approximately 20 feet below ground surface.

Engineering controls: NA

Map Metadata ID Information

Description: Site plan showing CEA boundary.

Abstract: Includes base map and the CEA boundary.

Purpose/Brief Description: Fulfill CEA requirements.

Supplemental Information: None.

Currentness Reference: Based upon current information, September 2010

Map Metadata Data Quality Information

Attribute Accuracy: Monitoring wells have surveyed coordinates. Base map accuracy visually consistent with site observations.

Quantitative Attribute Accuracy Assessment

Completeness Report: Base map provided by client's GIS department. Monitoring wells were surveyed.

Lineage: Manually digitized

Source Scale Denominator

Type of Source Media: Paper Maps

Source Currentness Reference

Process Date: May 2011

Map Metadata Spatial Data Organization

Direct Spatial Reference Method: Vector

Map Metadata Spatial Reference

Grid Coordinate System: NJ State Plane feet

Horizontal Datum Name: NAD83

Map Metadata Attribute Information

Attribute Label

Map Metadata Reference Information

Metadata Date: May 2011

Metadata Contact: Brinkerhoff Environmental Services, Inc.

Map Metadata Citation Information

Originator: Brinkerhoff Environmental Services, Inc.

Title: Buildings 283, 290, 296, and Landfill MP-18

Author's Notes: Variable in Time.

Map Metadata Contact Information

Contact Person Primary: Gary G. DiMartinis, LSRP

Contact Organization: Brinkerhoff Environmental Services, Inc.

Contact Address: 1913 Atlantic Avenue, Suite R5, Manasquan, New Jersey 08736

Contact Voice Telephone: 732-223-2225

Exhibit F

Current and Projected Ground Water Use

EXHIBIT F

1.0 Current and Projected Ground Water Use

The New Jersey Department of Environmental Protection Division of Water Supply (DWS) was contacted regarding the 25-year water use plan for the area. The NJDEP responded with the determination that there are no changes currently planned in the 25-year planning horizon. An E-mail message from Ian Snook, NJDEP DWS dated February 1, 2011 (Subject: CEA Language) is provided within this exhibit.

Pursuant to N.J.A.C 7:26E-8.3(b)4, the Fort Monmouth Directorate of Public Works has identified all off-site wells within 2,000 feet of the Fort Monmouth perimeter. No production wells were identified within 2,000 feet of the Fort Monmouth boundary. The majority of off-site wells are monitoring wells associated with various remedial activities. Well search summary tables are provided within this exhibit.

-----Original Message-----

From: Ian Snook [mailto:Ian.Snook@dep.state.nj.us]
Sent: Tuesday, February 01, 2011 2:48 PM
To: dbreckenridge@GESonline.com; ryan.healey@marathonconsultants.com;
Montgomery, John H CTR US USA
Subject: CEA LANGUAGE

All,

Please be advised that for the purposes compliance with 7:26E-8.6(a)2.i. and ii. only, The Division of Remediation Management and Response and the Division of Water Supply have determined that there are no significant changes in the 25-year ground water use planning horizon for the state's aquifers relative to the purpose of this sub-section.

Therefore, persons responsible for biennial certifications for classification exception areas do not need to review The New Jersey Water Supply Master Plan, or contact the Bureau of Water Systems and Well Permitting (formerly the Bureau of Water Allocation) in order to comply with the above citation. This determination is effective through May, 2011.

Contact with the Bureau of Water Systems and Well Permitting, (formerly Bureau of Water Allocation) is still required under 7:26E-8.6 (a) 3. (well search). If you have any further questions or concerns, please feel free to contact me.

Please Contact Tracy Omrod @ (609) 984-6831 for additional information pertaining to the well search portion.

Have a good day,

Ian Snook
Division of Water Supply
P.O. Box 426
Trenton, NJ
08625
Phone: (609) 984-2917
Fax: (609) 292-1654

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
55IW01/29-15008	Eatontown Senior Housing	55 Wyckoff Road, Eatontown	192.00	177.00	25.00	G	NJDEP
14/29-24953	Shell Oil Company	Block 110, Lot 25, Oceanport	12.00	2.00	4.00	M	NJDEP
15/29-24953	Shell Oil Company	Block 110, Lot 25, Oceanport	12.00	2.00	3.00	M	NJDEP
16/29-24953	Shell Oil Company	Block 110, Lot 25, Oceanport	12.00	2.00	3.00	M	NJDEP
17/29-24953	Shell Oil Company	Block 110, Lot 25, Oceanport	11.00	2.00	3.00	M	NJDEP
34/29-28236	Boro of Eatontown	Block 14, Lot 17, Eatontown	20.00	10.00	12.10	M	NJDEP
35/29-23690	Redacted - Privacy Act	Orchid St., Block 73, Lot 36, Eatontown	67.00	52.00	16.00	D	NJDEP
36/29-23608		92 Sunnybrook Dr., Little Silver	197.00	191.00	7.00	D	NJDEP
37/29-27756	V.J. Russo Reality	170 Avenue of the Commons, Little Silver	250.00	245.00	4.00	G	NJDEP
38/29-26185	Price Communications Corp.	1 Registrer Plaza, Little Silver	28.00	18.00	5.00	M	NJDEP
39/29-22571A.	Redacted - Privacy Act	Transfer Pl., Block 69.04, Lot 4, Little Silver	50.00	45.00	5.00	G	NJDEP
40/29-26704		83 Sunnybank Drive, Little Silver	250.00	210.00	8.00	D	NJDEP
41/29-29158	Boro of Eatontown	Block 14, Lot 17, Eatontown	20.00	10.00	11.70	M	NJDEP
42/29-29159	Boro of Eatontown	Block 14, Lot 17, Eatontown	18.00	8.00	10.10	M	NJDEP
43/29-21780	Redacted - Privacy Act	Relwof Ave., Block 98, Lots 1 & 2, Oceanport	45.00	35.00	2.00	G	NJDEP
64/29-14244		112 Orchard St., Oceanport	323.00	317.00	16.00	D, G	NJDEP
65/29-13825	NJ Transit Corp	Silverside & Fairview Aves., Little Silver	*	*	*	M	NJDEP
100/29-50-840	Redacted - Privacy Act	121 Horseneck Point Rd., Oceanport	15.00	12.00	5.00	D	NJDEP
113/29-14180	Shell Oil Company	Rt. 35 & South Street, Eatontown	12.00	2.00	4.38	M	NJDEP
114/29-14181	Shell Oil Company	Rt. 35 & South Street, Eatontown	12.00	2.00	5.10	M	NJDEP
115/29-14182	Shell Oil Company	Rt. 35 & South Street, Eatontown	12.00	2.00	4.47	M	NJDEP
116/29-14183	Shell Oil Company	Rt. 35 & South Street, Eatontown	12.00	2.00	4.39	M	NJDEP
117/29-14184	Shell Oil Company	Rt. 35 & South Street, Eatontown	12.00	2.00	4.75	M	NJDEP
118/29-14185	Shell Oil Company	Rt. 35 & South Street, Eatontown	12.00	2.00	4.10	M	NJDEP
119/29-14186	Shell Oil Company	Rt. 35 & South Street, Eatontown	12.00	2.00	4.82	M	NJDEP
120/29-14187	Shell Oil Company	Rt. 35 & South Street, Eatontown	12.00	2.00	4.30	M	NJDEP
121/29-14188	Shell Oil Company	Rt. 35 & South Street, Eatontown	12.00	2.00	4.54	M	NJDEP
122/29-14189	Shell Oil Company	Rt. 35 & South Street, Eatontown	12.00	2.00	4.34	M	NJDEP
123/29-14190	Shell Oil Company	Rt. 35 & South Street, Eatontown	12.00	2.00	4.22	M	NJDEP
124/29-14191	Shell Oil Company	Rt. 35 & South Street, Eatontown	12.00	2.00	3.90	M	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
125/29-14192	Shell Oil Company	Rt. 35 & South Street, Eatontown	14.83	4.00	4.00	E	NJDEP
129/29-23732	Exxon Company, USA	Branch & Sycamore Aves., Little Silver	15.00	5.00	*	M	NJDEP
130/29-23733	Exxon Company, USA	Branch & Sycamore Aves., Little Silver	15.00	5.00	*	M	NJDEP
131/29-23734	Exxon Company, USA	Branch & Sycamore Aves., Little Silver	15.00	5.00	*	M	NJDEP
132/29-23735	Exxon Company, USA	Branch & Sycamore Aves., Little Silver	15.00	5.00	*	M	NJDEP
133/29-24138	Exxon Company, USA	Branch & Sycamore Aves., Little Silver	15.00	5.00	*	M	NJDEP
134/29-24139	Exxon Company, USA	Branch & Sycamore Aves., Little Silver	15.00	5.00	*	M	NJDEP
135/29-24140	Exxon Company, USA	Branch & Sycamore Aves., Little Silver	15.00	5.00	*	M	NJDEP
136/29-24141	Exxon Company, USA	Branch & Sycamore Aves., Little Silver	15.00	5.00	*	M	NJDEP
137/29-27072	Exxon Company, USA	Branch & Sycamore Aves., Little Silver	20.00	5.00	7.00	M	NJDEP
138/29-29208	Exxon Company, USA	Branch & Sycamore Aves., Little Silver	16.00	3.00	6.00	M	NJDEP
138a/29-30283	Exxon Company, USA	Branch & Sycamore Aves., Little Silver	15.00	5.00	6.00	E	NJDEP
138b/29-30284	Exxon Company, USA	Branch & Sycamore Aves., Little Silver	15.00	5.00	6.00	E	NJDEP
139/29-12793	Hunter Superior Service	333 Willow Drive, Little Silver	10.00	1.00	6.36	M	NJDEP
140/29-12794	Hunter Superior Service	333 Willow Drive, Little Silver	10.00	1.00	7.08	M	NJDEP
141/29-12795	Hunter Superior Service	333 Willow Drive, Little Silver	10.00	1.00	6.34	M	NJDEP
142/29-12796	Hunter Superior Service	333 Willow Drive, Little Silver	10.00	1.00	7.59	M	NJDEP
143/29-12797	Hunter Superior Service	333 Willow Drive, Little Silver	10.00	1.00	6.63	M	NJDEP
144/29-12798	Hunter Superior Service	333 Willow Drive, Little Silver	10.00	1.00	6.07	M	NJDEP
145/29-12785	Citgo Oil Co.	700 Branch Ave. Little Silver	9.00	1.00	*	M	NJDEP
146/29-12786	Citgo Oil Co.	700 Branch Ave. Little Silver	9.00	1.00	*	M	NJDEP
147/29-12787	Citgo Oil Co.	700 Branch Ave. Little Silver	9.00	1.00	*	M	NJDEP
148/29-12788	Citgo Oil Co.	700 Branch Ave. Little Silver	10.00	1.00	*	M	NJDEP
149/29-12789	Citgo Oil Co.	700 Branch Ave. Little Silver	9.00	1.00	*	M	NJDEP
150/29-12790	Citgo Oil Co.	700 Branch Ave. Little Silver	9.00	1.00	*	M	NJDEP
151/29-12792	Citgo Oil Co.	700 Branch Ave. Little Silver	9.00	1.00	*	M	NJDEP
152/29-12793	Mobil Oil Coporation	700 Branch Ave. Little Silver	10.00	1.00	*	M	NJDEP
153/29-12794	Mobil Oil Coporation	700 Branch Ave. Little Silver	11.00	1.00	*	M	NJDEP
154/29-12795	Mobil Oil Coporation	700 Branch Ave. Little Silver	11.00	1.00	*	M	NJDEP
155/29-25317	Mobil Oil Coporation	Highway 35 & Tinton Ave., Eatontown	15.00	5.00	7.00	M	NJDEP
156/29-25316	Mobil Oil Coporation	Highway 35 & Tinton Ave., Eatontown	15.00	2.00	7.00	M	NJDEP
157/29-25318	Mobil Oil Coporation	Highway 35 & Tinton Ave., Eatontown	15.00	5.00	7.00	M	NJDEP
158/29-25319	Mobil Oil Coporation	Highway 35 & Tinton Ave., Eatontown	15.00	5.00	7.00	M	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
159/29-25320	Mobil Oil Coporation	Highway 35 & Tinton Ave., Eatontown	15.00	5.00	7.00	M	NJDEP
160/29-26806	Exxon Company, USA	Highway 35 & Tinton Ave., Eatontown	16.00	3.00	4.70	M	NJDEP
161/29-26807	Exxon Company, USA	Highway 35 & Tinton Ave., Eatontown	17.00	2.00	6.00	M	NJDEP
162/29-26808	Exxon Company, USA	Highway 35 & Tinton Ave., Eatontown	15.00	3.00	8.20	M	NJDEP
163/29-26809	Exxon Company, USA	Highway 35 & Tinton Ave., Eatontown	15.00	3.00	5.80	M	NJDEP
164/29-28143	Exxon Company, USA	Highway 35 & Tinton Ave., Eatontown	12.00	2.00	2.35	M	NJDEP
166/29-38652	Redacted - Privacy Act	6 Bungalow Place, Oceanport	64.00	39.00	5.00	G	NJDEP
167/29-54604		33 Trinity Place, Oceanport	20.00	5.00	13.00	M	NJDEP
168/29-55912		15 Carriage House Lane, Little Silver	70.00	60.00	6.00	G	NJDEP
169/29-52374		28 Winding Way, Little Silver	10.00	2.00	6.00	M	NJDEP
170/29-50213		71 Silverside Ave., Little Silver	14.00	2.00	4.00	M	NJDEP
171/29-49775		59 Silverside Ave., Little Silver	12.00	2.00	5.00	M	NJDEP
172/29-49719		16 Rivers Edge Drive, Little Silver	15.00	5.00	6.00	M	NJDEP
173/29-49911	Honeywell International	118 Rt. 35, Eatontown	15.00	5.00	8.00	J	NJDEP
174/29-49912	Honeywell International	118 Rt. 35, Eatontown	17.00	6.50	10.00	J	NJDEP
175/29-49913	Honeywell International	118 Rt. 35, Eatontown	16.00	5.50	10.00	J	NJDEP
176/29-50266	Lowes Home Centers, Inc.	118 Rt. 35, Eatontown	6.00	5.00	0.00	M	NJDEP
177/29-50267	Lowes Home Centers, Inc.	118 Rt. 35, Eatontown	3.00	2.00	0.00	M	NJDEP
178/29-49043	Honeywell International	118 Rt. 35, Eatontown	50.00	5.50	10.00	J	NJDEP
179/29-49044	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
180/29-49045	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
181/29-49046	Honeywell International	118 Rt. 35, Eatontown	8.00	6.50	0.00	M	NJDEP
182/29-49047	Honeywell International	118 Rt. 35, Eatontown	6.00	4.50	0.00	M	NJDEP
183/29-49048	Honeywell International	118 Rt. 35, Eatontown	8.00	6.50	0.00	M	NJDEP
184/29-49049	Honeywell International	118 Rt. 35, Eatontown	6.00	4.50	0.00	M	NJDEP
185/29-49050	Honeywell International	118 Rt. 35, Eatontown	8.00	6.50	0.00	M	NJDEP
186/29-49501	Honeywell International	118 Rt. 35, Eatontown	6.00	4.50	0.00	M	NJDEP
187/29-49499	Honeywell International	118 Rt. 35, Eatontown	45.50	20.50	*	M	NJDEP
188/29-49038	Honeywell International	118 Rt. 35, Eatontown	18.00	17.50	11.00	J	NJDEP
189/29-49039	Honeywell International	118 Rt. 35, Eatontown	20.00	9.50	12.00	J	NJDEP
190/29-49040	Honeywell International	118 Rt. 35, Eatontown	20.00	9.50	12.00	J	NJDEP
191/29-49041	Honeywell International	118 Rt. 35, Eatontown	20.00	5.50	10.00	J	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
192/29-49042	Honeywell International	118 Rt. 35, Eatontown	20.00	5.50	10.00	J	NJDEP
193/29-49004	Honeywell International	118 Rt. 35, Eatontown	16.00	5.50	9.00	J	NJDEP
194/29-49005	Honeywell International	118 Rt. 35, Eatontown	16.00	5.50	9.00	J	NJDEP
195/29-49006	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
196/29-49007	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
197/29-49008	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
198/29-49009	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
199/29-49010	Honeywell International	118 Rt. 35, Eatontown	16.00	5.50	9.00	J	NJDEP
200/29-49011	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
201/29-49012	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
202/29-49013	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
203/29-49025	Honeywell International	118 Rt. 35, Eatontown	20.00	9.50	12.00	J	NJDEP
204/29-49026	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
205/29-49027	Honeywell International	118 Rt. 35, Eatontown	20.00	7.50	10.00	J	NJDEP
206/29-49028	Honeywell International	118 Rt. 35, Eatontown	20.00	5.50	10.00	J	NJDEP
207/29-49029	Honeywell International	118 Rt. 35, Eatontown	20.00	7.50	10.00	J	NJDEP
208/29-49030	Honeywell International	118 Rt. 35, Eatontown	20.00	5.50	10.00	J	NJDEP
209/29-49031	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
210/29-49032	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
211/29-49033	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
212/29-49034	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
213/29-49035	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
214/29-49036	Honeywell International	118 Rt. 35, Eatontown	15.00	4.50	8.00	J	NJDEP
215/29-49037	Honeywell International	118 Rt. 35, Eatontown	18.00	7.50	11.00	J	NJDEP
216/29-48129	Honeywell International	118 Rt. 35, Eatontown	13.00	3.00	7.00	M	NJDEP
217/29-48130	Honeywell International	118 Rt. 35, Eatontown	13.00	3.00	7.00	M	NJDEP
218/29-48131	Honeywell International	118 Rt. 35, Eatontown	13.00	3.00	7.00	M	NJDEP
219/29-48133	Honeywell International	118 Rt. 35, Eatontown	20.00	5.00	7.00	M	NJDEP
220/29-48134	Honeywell International	118 Rt. 35, Eatontown	13.00	3.00	7.00	M	NJDEP
221/29-48260	Honeywell International	118 Rt. 35, Eatontown	6.50	1.50	5.50	Z	NJDEP
222/29-48261	Honeywell International	118 Rt. 35, Eatontown	6.50	1.50	5.50	Z	NJDEP
223/29-56703	Redacted - Privacy Act	36 Wyckoff Rd., Eatontown	12.00	2.00	5.00	M	NJDEP
224/29-45231		23 Branch Ave., Oceanport	30.00	n/a	22.00	B	NJDEP

**Fort Monmouth, New Jersey
May 2009 Well Search Summary Table**

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
225/29-38172	Redacted - Privacy Act	1281 Eatontown Blvd., Oceanport	30.00	10.00	15.00	M	NJDEP
226/29-55303		321 Broad Street, Eatontown	18.00	8.00	10.50	M	NJDEP
227/29-49598		9 Monmouth Pl., Oceanport	12.00	1.75	3.00	M	NJDEP
228/29-49597		9 Monmouth Pl., Oceanport	12.00	1.75	3.00	M	NJDEP
229/29-56337		202 Broad Street, Eatontown	13.00	3.00	7.00	M	NJDEP
230/29-39826	Getty Properties Corp.	157 Broad Street, Eatontown	20.00	5.00	14.00	M	NJDEP
231/29-38679	Allied Signal	118 Rt. 35, Eatontown	17.50	15.50	0.00	J	NJDEP
232/29-38680	Allied Signal	118 Rt. 35, Eatontown	17.50	15.50	0.00	J	NJDEP
233/29-38644	Shell Oil Company	50 Rt. 35 South, Eatontown	16.00	1.00	2.00	M	NJDEP
234/29-38643	Shell Oil Company	50 Rt. 35 South, Eatontown	17.00	2.00	2.00	M	NJDEP
235/29-38678	Allied Signal	118 Rt. 35, Eatontown	14.00	1.00	2.00	M	NJDEP
236/29-50624	Shell Oil Company	24 RT. 35 & South St., Eatontown	15.00	4.50	5.00	M	NJDEP
237/29-50625	Shell Oil Company	24 RT. 35 & South St., Eatontown	15.00	4.50	5.00	M	NJDEP
238/29-51377	Shell Oil Company	24 RT. 35 & South St., Eatontown	15.00	1.50	5.00	M	NJDEP
239/29-51378	Shell Oil Company	24 RT. 35 & South St., Eatontown	15.00	1.50	5.00	M	NJDEP
240/29-50621	Shell Oil Company	24 RT. 35 & South St., Eatontown	15.00	4.50	5.00	M	NJDEP
241/29-50622	Shell Oil Company	24 RT. 35 & South St., Eatontown	15.00	4.50	5.00	M	NJDEP
242/29-50623	Shell Oil Company	24 RT. 35 & South St., Eatontown	15.00	4.50	5.00	M	NJDEP
243/29-50620	Shell Oil Company	24 RT. 35 & South St., Eatontown	15.00	4.50	5.00	M	NJDEP
244/29-53180	Exxon-Mobil Corp	160 Main Street, Eatontown	15.00	2.00	6.00	M	NJDEP
245/29-53181	Exxon-Mobil Corp	160 Main Street, Eatontown	30.00	25.00	10.00	M	NJDEP
246/29-47022	Equiva Services	Rt. 35 & South Street, Eatontown	15.00	2.00	4.00	M	NJDEP
247/29-47023	Equiva Services	Rt. 35 & South Street, Eatontown	15.00	2.00	4.00	M	NJDEP
248/29-47024	Equiva Services	Rt. 35 & South Street, Eatontown	15.00	2.00	4.00	M	NJDEP
249/29-47025	Equiva Services	Rt. 35 & South Street, Eatontown	15.00	2.00	4.00	M	NJDEP
250/29-45153	Exxon-Mobil Corp	Rt.35 & Tinton Ave., Eatontown	13.00	2.70	5.00	M	NJDEP
251/29-45251	Exxon-Mobil Corp	Rt. 35 & Tinton Ave., Eatontown	8.00	2.70	4.00	M	NJDEP
252/29-45031	Exxon-Mobil Corp	Rt. 35 & Tinton Ave., Eatontown	8.00	2.50	4.00	M	NJDEP
253/29-50796	Redacted - Privacy Act	35 Tinton Ave., Eatontown	23.00	8.00	15.00	M	NJDEP
254/29-49532	Exxon-Mobil Corp	Rt. 35 & Tinton Ave., Eatontown	15.00	2.50	7.00	M	NJDEP
255/29-41925	Redacted - Privacy Act	40 Silverbrook Road, Oceanport	11.00	6.00	6.00	M	NJDEP
256/29-41926		40 Silverbrook Road Oceanport	10.50	6.00	6.00	M	NJDEP
257/29-41927		40 Silverbrook Road, Oceanport	12.00	6.00	6.00	M	NJDEP

**Fort Monmouth, New Jersey
May 2009 Well Search Summary Table**

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
258/29-41928	Redacted - Privacy Act	40 Silverbrook Road, Oceanport	11.50	6.00	6.00	M	NJDEP
259/29-53263		40 Silverbrook Road, Oceanport	13.00	3.00	4.00	M	NJDEP
260/29-53264	Contemporary Motors	40 Silverbrook Road, Oceanport	12.00	2.00	4.00	M	NJDEP
261/29-46281		25 Silverbrook Rd., Oceanport	12.00	2.00	9.00	M	NJDEP
262/29-50184		214 Silveside Ave., Little Silver	15.00	5.00	6.00	M	NJDEP
263/29-50185		214 Silveside Ave., Little Silver	15.00	5.00	6.00	M	NJDEP
264/29-51835		320 Willow Drive, Little Silver	12.00	1.50	5.00	M	NJDEP
265/29-51836		320 Willow Drive, Little Silver	12.00	1.50	5.00	M	NJDEP
266/29-51839		320 Willow Drive, Little Silver	12.00	1.50	5.00	M	NJDEP
267/29-51840		320 Willow Drive, Little Silver	12.00	1.50	5.00	M	NJDEP
268/29-51838		320 Willow Drive, Little Silver	12.00	1.50	5.00	M	NJDEP
269/29-51841		320 Willow Drive, Little Silver	12.00	1.50	5.00	M	NJDEP
270/29-51842		320 Willow Drive, Little Silver	12.00	1.50	5.00	M	NJDEP
271/29-51843		320 Willow Drive, Little Silver	12.00	1.50	5.00	M	NJDEP
272/29-42928		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
273/29-42926		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
274/29-42927		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
275/29-42914	Redacted - Privacy Act	111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
276/29-42915		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
277/29-42916		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
278/29-42917		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
279/29-42918		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
280/29-42919		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
281/29-42920		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
282/29-42921		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
283/29-42922		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
284/29-42923		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
285/29-42924		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
286/29-42925		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
287/29-42909		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
288/29-42910		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
289?29-42911		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
290/29-42912		111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP

**Fort Monmouth, New Jersey
May 2009 Well Search Summary Table**

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
291/29-42913	Redacted - Privacy Act	111 Riverview Rd. Little Silver	18.00	15.00	6.00	E	NJDEP
292/29-48610		129 Riverview Ave, Little Silver	20.00	4.70	11.00	M	NJDEP
293/29-56270		163 Riverview Ave., Little Silver	16.00	5.80	9.00	M	NJDEP
294/29-53726	Javin Partnership	24 Conover Pl., Little Silver	15.00	2.50	7.00	M	NJDEP
295/29-42092	Javin Partnership	24 Conover Pl., Little Silver	13.00	3.00	6.50	M	NJDEP
296/29-44552	Javin Partnership	24 Conover Pl., Little Silver	14.00	4.00	6.00	M	NJDEP
297/29-44553	Javin Partnership	24 Conover Pl., Little Silver	50.00	40.00	6.00	M	NJDEP
298/29-44554	Javin Partnership	24 Conover Pl., Little Silver	14.00	4.00	6.00	M	NJDEP
299/29-44555	Javin Partnership	24 Conover Pl., Little Silver	14.00	4.00	6.00	M	NJDEP
300/29-41415	Javin Partnership	24 Conover Pl., Little Silver	14.00	4.00	8.00	M	NJDEP
301/29-41416	Javin Partnership	24 Conover Pl., Little Silver	14.00	4.00	8.00	M	NJDEP
302/29-42091	Javin Partnership	24 Conover Pl., Little Silver	13.00	3.00	6.50	M	NJDEP
303/29-41414	Javin Partnership	24 Conover Pl., Little Silver	14.00	4.00	8.00	M	NJDEP
304/29-41413	Javin Partnership	24 Conover Pl., Little Silver	14.00	4.00	8.00	M	NJDEP
305/29-41412	Javin Partnership	24 Conover Pl., Little Silver	14.00	4.00	8.00	M	NJDEP
306/29-41411	Javin Partnership	24 Conover Pl., Little Silver	14.00	4.00	8.00	M	NJDEP
307/29-39942	Exxon-Mobil Corp Redacted - Privacy Act	111 Riverview Rd. Little Silver	19.00	2.75	3.50	E	NJDEP
308/29-53247		720 Branch Ave., Little Silver	15.00	3.00	6.00	M	NJDEP
312/29-42937		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
313/29-42938		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
314/29-42935		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
315/29-42936		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
316/29-42931		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
317/29-42932		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
318/29-42933		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
319/29-42934		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
320/29-42930		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
321/29-42929		111 Riverview Rd. Little Silver	19.00	16.00	7.00	E, W	NJDEP
322/29-48641		52 South Street, Eatontown	15.00	4.50	7.00	M	NJDEP
323/29-46904	Equiva Services	1 Main Street, Oceanport	15.00	2.00	4.00	M	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
324/29-45037	Redacted - Privacy Act	13 Branch Ave., Oceanport	35.00	25.00	20.00	M	NJDEP
325/29-46457		6 Main Street, Oceanport	70.00	60.00	6.00	G	NJDEP
326/29-38811		62 Asbury Ave., Oceanport	65.00	42.00	6.00	G	NJDEP
327/29-54236		43 Bradley Ave., Oceanport	12.00	2.75	5.00	M	NJDEP
814-1/29-26939	US Army, Ft. Monmouth	Bldg. 814, Main Post	14.00	4.00	4.00	M/S	NJDEP
750-1/29-28992	US Army, Ft. Monmouth	Bldg. 750, Main Post	15.00	5.00	7.50	M	NJDEP
750-2/29-28993	US Army, Ft. Monmouth	Bldg. 750, Main Post	15.00	5.00	7.50	M	NJDEP
750-3/29-28994	US Army, Ft. Monmouth	Bldg. 750, Main Post	15.00	5.00	7.50	M	NJDEP
750-4/29-28995	US Army, Ft. Monmouth	Bldg. 750, Main Post	15.00	5.00	7.50	M	NJDEP
699-1/29-23677-1	US Army, Ft. Monmouth	Bldg. 699, Main Post	15.00	2.00	4.00	M	NJDEP
699-2/29-23678-9	US Army, Ft. Monmouth	Bldg. 699, Main Post	17.00	15.00	5.00	M	NJDEP
699-3/29-23697	US Army, Ft. Monmouth	Bldg. 699, Main Post	14.50	13.00	4.00	M	NJDEP
699-4/29-23680-7	US Army, Ft. Monmouth	Bldg. 699, Main Post	20.00	2.00	3.00	M	NJDEP
699-5/29-23808	US Army, Ft. Monmouth	Bldg. 699, Main Post	15.00	3.00	5.00	M	NJDEP
699-6/29-23809-9	US Army, Ft. Monmouth	Bldg. 699, Main Post	15.00	2.00	4.50	M	NJDEP
699-7/29-23810	US Army, Ft. Monmouth	Bldg. 699, Main Post	15.00	3.00	3.00	M	NJDEP
699-8/29-23811-1	US Army, Ft. Monmouth	Bldg. 699, Main Post	15.00	2.00	4.00	M	NJDEP
699-9/29-24639	US Army, Ft. Monmouth	Bldg. 699, Main Post	15.00	2.00	3.00	M	NJDEP
699-10/29-24640	US Army, Ft. Monmouth	Bldg. 699, Main Post	14.00	1.00	3.00	M	NJDEP
699-12/29-28907	US Army, Ft. Monmouth	Bldg. 699, Main Post	13.50	3.50	7.10	M	NJDEP
699-15/29-33753	US Army, Ft. Monmouth	Bldg. 699, Main Post	13.50	3.50	*	M	NJDEP
699-16/29-33757	US Army, Ft. Monmouth	Bldg. 699, Main Post	13.50	3.50	*	M	NJDEP
699RW11/29-28031	US Army, Ft. Monmouth	Bldg. 699, Main Post	20.00	5.00	*	E	NJDEP
600-01/29-30968	US Army, Ft. Monmouth	Bldg. 699, Main Post	15.00	2.00	4.00	M	NJDEP
616-01/29-33760	US Army, Ft. Monmouth	Bldg. 699, Main Post	14.00	4.00	8.00	M	NJDEP
699RW03/29-43891	US Army, Ft. Monmouth	Bldg. 699, Main Post	20.00	5.00	*	E	NJDEP
699RW04/29-43892	US Army, Ft. Monmouth	Bldg. 699, Main Post	19.00	4.00	*	E	NJDEP
699RW05/29-56509	US Army, Ft. Monmouth	Bldg. 699, Main Post	15.00	4.50	*	E	NJDEP
699SP01/29-43893	US Army, Ft. Monmouth	Bldg. 699, Main Post	20.50	18.00	*	J	NJDEP
699SP02/29-43894	US Army, Ft. Monmouth	Bldg. 699, Main Post	20.20	17.70	*	J	NJDEP
699SP03/29-43895	US Army, Ft. Monmouth	Bldg. 699, Main Post	19.30	16.80	*	J	NJDEP
699SP04/29-43896	US Army, Ft. Monmouth	Bldg. 699, Main Post	19.70	16.80	*	J	NJDEP
699SP05/29-43897	US Army, Ft. Monmouth	Bldg. 699, Main Post	20.20	17.70	*	J	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
699SP06/29-43898	US Army, Ft. Monmouth	Bldg. 699, Main Post	20.20	17.70	*	J	NJDEP
699SP07/29-43899	US Army, Ft. Monmouth	Bldg. 699, Main Post	19.40	16.90	*	J	NJDEP
699SP08/20-43900	US Army, Ft. Monmouth	Bldg. 699, Main Post	19.40	16.00	*	J	NJDEP
699SP09/29-56512	US Army, Ft. Monmouth	Bldg. 699, Main Post	18.00	16.00	*	J	NJDEP
699SP10/29-56513	US Army, Ft. Monmouth	Bldg. 699, Main Post	18.00	16.00	*	J	NJDEP
699VP-10/29-56511	US Army, Ft. Monmouth	Bldg. 699, Main Post	13.00	3.00	*	J	NJDEP
699VP-11/29-56510	US Army, Ft. Monmouth	Bldg. 699, Main Post	13.00	3.00	*	J	NJDEP
108MW01/29-29739	US Army, Ft. Monmouth	Bldg. 108, Main Post	13.00	3.00	4.00	M	NJDEP
108MW02/29-29740	US Army, Ft. Monmouth	Bldg. 108, Main Post	13.00	3.00	4.00	M	NJDEP
108MW03/29-29741	US Army, Ft. Monmouth	Bldg. 108, Main Post	13.00	3.00	4.00	M	NJDEP
108MW04/29-33762	US Army, Ft. Monmouth	Bldg. 108, Main Post	12.00	2.00	4.00	M	NJDEP
M2MW01/29-32584	US Army, Ft. Monmouth	M-2 Landfill, Main Post	22.00	7.00	15.00	M	NJDEP
M2MW02/29-32585	US Army, Ft. Monmouth	M-2 Landfill, Main Post	17.00	7.00	9.00	M	NJDEP
M2MW03/29-32586	US Army, Ft. Monmouth	M-2 Landfill, Main Post	15.00	5.00	7.00	M	NJDEP
M2MW04/29-37988	US Army, Ft. Monmouth	M-2 Landfill, Main Post	19.00	4.00	6.00	M	NJDEP
M2MW05/29-39285	US Army, Ft. Monmouth	M-2 Landfill, Main Post	13.00	3.00	5.00	M	NJDEP
M2MW06/29-39184	US Army, Ft. Monmouth	M-2 Landfill, Main Post	15.00	5.00	7.00	M	NJDEP
M2MW07/29-39183	US Army, Ft. Monmouth	M-2 Landfill, Main Post	15.00	5.00	7.00	M	NJDEP
M2MW08/29-39182	US Army, Ft. Monmouth	M-2 Landfill, Main Post	15.00	5.00	7.00	M	NJDEP
MWMW09/29-39181	US Army, Ft. Monmouth	M-2 Landfill, Main Post	15.00	5.00	7.00	M	NJDEP
M2MW10/29-39180	US Army, Ft. Monmouth	M-2 Landfill, Main Post	20.00	5.00	7.00	M	NJDEP
M2MW11/29-42769	US Army, Ft. Monmouth	M-2 Landfill, Main Post	49.00	29.00	11.00	M	NJDEP
M2MW12/29-42770	US Army, Ft. Monmouth	M-2 Landfill, Main Post	50.00	30.00	11.50	M	NJDEP
M2MW13/29-42771	US Army, Ft. Monmouth	M-2 Landfill, Main Post	20.00	5.00	7.00	M	NJDEP
M2MW14/29-42562	US Army, Ft. Monmouth	M-2 Landfill, Main Post	20.00	5.00	12.50	M	NJDEP
M2MW15/29-42773	US Army, Ft. Monmouth	M-2 Landfill, Main Post	20.00	5.00	7.00	M	NJDEP
M2MW16/29-42774	US Army, Ft. Monmouth	M-2 Landfill, Main Post	20.00	5.00	7.00	M	NJDEP
M2MW17/29-42775	US Army, Ft. Monmouth	M-2 Landfill, Main Post	20.00	5.00	7.00	M	NJDEP
M2MW18/29-42776	US Army, Ft. Monmouth	M-2 Landfill, Main Post	20.00	5.00	7.00	M	NJDEP
M2MW19/29-42777	US Army, Ft. Monmouth	M-2 Landfill, Main Post	50.00	30.00	12.00	M	NJDEP
M2MW20/29-42778	US Army, Ft. Monmouth	M-2 Landfill, Main Post	50.00	30.00	10.00	M	NJDEP
M2MW21/29-42779	US Army, Ft. Monmouth	M-2 Landfill, Main Post	20.00	5.00	7.00	M	NJDEP
M2MW22/29-42780	US Army, Ft. Monmouth	M-2 Landfill, Main Post	20.00	5.00	7.00	M	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
M2MW23/29-42781	US Army, Ft. Monmouth	M-2 Landfill, Main Post	20.00	5.00	7.00	M	NJDEP
M2MW24/29-42772	US Army, Ft. Monmouth	M-2 Landfill, Main Post	20.00	5.00	9.00	M	NJDEP
M3MW04/29-32658	US Army, Ft. Monmouth	M-3 Landfill, Main Post	23.00	8.00	10.00	M	NJDEP
M3MW05/29-32569	US Army, Ft. Monmouth	M-3 Landfill, Main Post	16.00	6.00	6.50	M	NJDEP
M3MW06/29-32570	US Army, Ft. Monmouth	M-3 Landfill, Main Post	15.00	5.00	6.50	M	NJDEP
M3MW07/29-39173	US Army, Ft. Monmouth	M-3 Landfill, Main Post	15.00	5.00	6.00	M	NJDEP
M3MW08/29-39174	US Army, Ft. Monmouth	M-3 Landfill, Main Post	15.00	5.00	6.00	M	NJDEP
M3MW09/29-39175	US Army, Ft. Monmouth	M-3 Landfill, Main Post	15.00	5.00	6.00	M	NJDEP
M3MW10/29-39176	US Army, Ft. Monmouth	M-3 Landfill, Main Post	15.00	5.00	6.00	M	NJDEP
M3MW11/29-39145	US Army, Ft. Monmouth	M-3 Landfill, Main Post	15.00	2.00	6.00	M	NJDEP
M4MW07/29-32571	US Army, Ft. Monmouth	M-4 Landfill, Main Post	15.50	5.50	6.00	M	NJDEP
M4MW08/29-32572	US Army, Ft. Monmouth	M-4 Landfill, Main Post	19.00	4.00	5.50	M	NJDEP
M4MW09/29-32573	US Army, Ft. Monmouth	M-4 Landfill, Main Post	22.00	7.00	4.50	M	NJDEP
M4MW10/29-41644	US Army, Ft. Monmouth	M-4 Landfill, Main Post	18.00	3.00	6.00	M	NJDEP
M5MW10/29-32574	US Army, Ft. Monmouth	M-5 Landfill, Main Post	15.00	5.00	2.50	M	NJDEP
M5MW11/29-32575	US Army, Ft. Monmouth	M-5 Landfill, Main Post	15.00	5.00	5.00	M	NJDEP
M5MW12/29-39179	US Army, Ft. Monmouth	M-5 Landfill, Main Post	15.00	5.00	6.00	M	NJDEP
M5MW13/29-39178	US Army, Ft. Monmouth	M-5 Landfill, Main Post	20.00	5.00	6.00	M	NJDEP
M5MW14/29-39177	US Army, Ft. Monmouth	M-5 Landfill, Main Post	20.00	5.00	6.00	M	NJDEP
M5MW15/29-40120	US Army, Ft. Monmouth	M-5 Landfill, Main Post	18.00	5.00	7.00	M	NJDEP
M5MW16/29-40121	US Army, Ft. Monmouth	M-5 Landfill, Main Post	16.00	3.00	7.00	M	NJDEP
M5MW18/29-40123	US Army, Ft. Monmouth	M-5 Landfill, Main Post	18.00	3.00	7.00	M	NJDEP
M5MW19/29-40124	US Army, Ft. Monmouth	M-5 Landfill, Main Post	18.00	3.00	7.00	M	NJDEP
M5MW20/29-40124	US Army, Ft. Monmouth	M-5 Landfill, Main Post	14.00	4.00	7.00	M	NJDEP
M5MW23/29-40125	US Army, Ft. Monmouth	M-5 Landfill, Main Post	18.00	3.00	7.00	M	NJDEP
M5MW24/29-41724	US Army, Ft. Monmouth	M-5 Landfill, Main Post	38.00	13.00	7.50	M-6	NJDEP
M5MW25/29-40126	US Army, Ft. Monmouth	M-5 Landfill, Main Post	18.00	3.00	7.00	M	NJDEP
M8MW12/29-32560	US Army, Ft. Monmouth	M-8 Landfill, Main Post	15.00	5.00	7.50	M	NJDEP
M8MW13/29-32561	US Army, Ft. Monmouth	M-8 Landfill, Main Post	16.00	5.00	3.00	M	NJDEP
M8MW14/29-32562	US Army, Ft. Monmouth	M-8 Landfill, Main Post	16.00	5.00	6.50	M	NJDEP
M8MW15/29-32563	US Army, Ft. Monmouth	M-8 Landfill, Main Post	16.00	4.50	3.00	M	NJDEP
M8MW01/29-31776	US Army, Ft. Monmouth	M-8 Landfill, Main Post	17.50	2.50	12.00	M	NJDEP
M8MW16/29-39146	US Army, Ft. Monmouth	M-8 Landfill, Main Post	13.00	3.00	4.00	M	NJDEP
M8MW17/29-39147	US Army, Ft. Monmouth	M-8 Landfill, Main Post	13.00	3.00	4.00	M	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
M8MW18/29-39148	US Army, Ft. Monmouth	M-8 Landfill, Main Post	18.00	3.00	4.00	M	NJDEP
M8MW19/29-39149	US Army, Ft. Monmouth	M-8 Landfill, Main Post	18.00	3.00	4.00	M	NJDEP
M8MW20/29-39150	US Army, Ft. Monmouth	M-8 Landfill, Main Post	15.00	5.00	7.00	M	NJDEP
M8MW21/29-39151	US Army, Ft. Monmouth	M-8 Landfill, Main Post	20.00	5.00	7.00	M	NJDEP
M8MW22/29-39152	US Army, Ft. Monmouth	M-8 Landfill, Main Post	20.00	5.00	7.00	M	NJDEP
M8MW23/29-40128	US Army, Ft. Monmouth	M-8 Landfill, Main Post	15.00	3.00	5.00	M	NJDEP
M8MW24/29-40127	US Army, Ft. Monmouth	M-8 Landfill, Main Post	38.00	13.00	7.50	M	NJDEP
M12MW16/29-32576	US Army, Ft. Monmouth	M-12 Landfill, Main Post	14.50	4.50	2.00	M	NJDEP
M12MW17/29-32577	US Army, Ft. Monmouth	M-12 Landfill, Main Post	14.50	4.50	3.00	M	NJDEP
M12MW18/29-32578	US Army, Ft. Monmouth	M-12 Landfill, Main Post	14.50	4.50	2.00	M	NJDEP
M12MW19/29-41779	US Army, Ft. Monmouth	M-12 Landfill, Main Post	18.00	3.00	5.00	M	NJDEP
M12MW20/29-41780	US Army, Ft. Monmouth	M-12 Landfill, Main Post	18.00	3.00	5.00	M	NJDEP
M12MW21/29-41781	US Army, Ft. Monmouth	M-12 Landfill, Main Post	18.00	3.00	5.00	M	NJDEP
M12MW22/29-41782	US Army, Ft. Monmouth	M-12 Landfill, Main Post	18.00	3.00	5.00	M	NJDEP
M12MW23/29-41783	US Army, Ft. Monmouth	M-12 Landfill, Main Post	18.00	3.00	5.00	M	NJDEP
M12MW24/29-41784	US Army, Ft. Monmouth	M-12 Landfill, Main Post	18.00	3.00	5.00	M	NJDEP
M12MW25/29-41785	US Army, Ft. Monmouth	M-12 Landfill, Main Post	18.00	3.00	5.00	M	NJDEP
M12MW26/29-41856	US Army, Ft. Monmouth	M-12 Landfill, Main Post	18.00	3.00	5.00	M	NJDEP
M14MW19/29-32579	US Army, Ft. Monmouth	M-14 Landfill, Main Post	15.00	5.00	5.50	M	NJDEP
M14MW20/29-32580	US Army, Ft. Monmouth	M-14 Landfill, Main Post	15.50	4.50	4.50	M	NJDEP
M14MW21/29-32581	US Army, Ft. Monmouth	M-14 Landfill, Main Post	16.00	6.00	6.00	M	NJDEP
M14MW22/29-41787	US Army, Ft. Monmouth	M-14 Landfill, Main Post	18.00	3.00	6.00	M	NJDEP
M14MW23/29-41786	US Army, Ft. Monmouth	M-14 Landfill, Main Post	18.00	3.00	6.00	M	NJDEP
M14MW24/29-41788	US Army, Ft. Monmouth	M-14 Landfill, Main Post	18.00	3.00	6.00	M	NJDEP
M18MW24/29-32565	US Army, Ft. Monmouth	M-18 Landfill, Main Post	15.50	4.50	2.00	M	NJDEP
M18MW25/29-32566	US Army, Ft. Monmouth	M-18 Landfill, Main Post	15.50	4.50	2.50	M	NJDEP
117MW01/29-31772	US Army, Ft. Monmouth	Bldg. 117, Main Post	12.50	2.50	7.00	M	NJDEP
296MW01/29-20979	US Army, Ft. Monmouth	Bldg. 296, Main Post	15.00	2.00	3.50	M	NJDEP
296MW02/29-30980	US Army, Ft. Monmouth	Bldg. 296, Main Post	12.50	2.00	3.00	M	NJDEP
296MW03/29-30975	US Army, Ft. Monmouth	Bldg. 296, Main Post	12.50	2.00	2.50	M	NJDEP
296MW04/29-33989	US Army, Ft. Monmouth	Bldg. 296, Main Post	10.00	0.50	0.50	M	NJDEP
296MW06/29-30976	US Army, Ft. Monmouth	Bldg. 296, Main Post	12.50	2.00	1.50	M	NJDEP
296MW07/29-30973	US Army, Ft. Monmouth	Bldg. 296, Main Post	12.50	1.50	3.00	M	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
296MW08/29-30974	US Army, Ft. Monmouth	Bldg. 296, Main Post	12.00	1.50	3.00	M	NJDEP
290MW01/29-30961	US Army, Ft. Monmouth	Bldg. 290, Main Post	12.50	2.00	3.00	M	NJDEP
290MW02/29-33761	US Army, Ft. Monmouth	Bldg. 290, Main Post	11.50	1.50	4.00	M	NJDEP
80MW01/29-31774	US Army, Ft. Monmouth	Bldg. 80, Main Post	13.00	3.00	3.00	M	NJDEP
80MW02/29-43199	US Army, Ft. Monmouth	Bldg. 80, Main Post	12.00	2.00	6.00	M	NJDEP
80MW03/29-43201	US Army, Ft. Monmouth	Bldg. 80, Main Post	12.00	2.00	6.00	M	NJDEP
80MW04/29-43200	US Army, Ft. Monmouth	Bldg. 80, Main Post	12.00	2.00	6.00	M	NJDEP
80MW05/29-43202	US Army, Ft. Monmouth	Bldg. 80, Main Post	12.00	2.00	6.00	M	NJDEP
166MW01/29-31773	US Army, Ft. Monmouth	Bldg. 166, Main Post	13.00	0.00	3.00	M	NJDEP
1122MW01/29-33755	US Army, Ft. Monmouth	Bldg. 1122, Main Post	18.00	5.00	7.00	M	NJDEP
1122MW02/29-33754	US Army, Ft. Monmouth	Bldg. 1122, Main Post	15.00	3.00	6.00	M	NJDEP
1122MW03/29-43196	US Army, Ft. Monmouth	Bldg. 1122, Main Post	14.00	4.00	6.00	M	NJDEP
1122MW04/29-43197	US Army, Ft. Monmouth	Bldg. 1122, Main Post	14.00	4.00	6.00	M	NJDEP
1122MW05/29-43198	US Army, Ft. Monmouth	Bldg. 1122, Main Post	15.00	5.00	6.00	M	NJDEP
283MW02/29-40887	US Army, Ft. Monmouth	Bldg. 283, Main Post	20.00	5.00	9.00	M	NJDEP
283MW01/29-40367	US Army, Ft. Monmouth	Bldg. 283, Main Post	25.00	5.00	8.00	M	NJDEP
283MW03/29-41650	US Army, Ft. Monmouth	Bldg. 283, Main Post	20.00	5.00	8.00	M	NJDEP
283MW04/29-50701	US Army, Ft. Monmouth	Bldg. 283, Main Post	18.00	3.00	7.50	M	NJDEP
283MW05/29-50702	US Army, Ft. Monmouth	Bldg. 283, Main Post	18.00	3.00	7.50	M	NJDEP
283MW06/29-50703	US Army, Ft. Monmouth	Bldg. 283, Main Post	18.00	3.00	7.50	M	NJDEP
812MW01/29-42572	US Army, Ft. Monmouth	Bldg. 812, Main Post	50.00	30.00	2.00	M	NJDEP
812MW02/29-42573	US Army, Ft. Monmouth	Bldg. 812, Main Post	50.00	30.00	7.00	M	NJDEP
812MW03/29-42574	US Army, Ft. Monmouth	Bldg. 812, Main Post	50.00	30.00	8.00	M	NJDEP
812MW04/29-42575	US Army, Ft. Monmouth	Bldg. 812, Main Post	7.00	2.00	5.50	M	NJDEP
812MW05/29-42576	US Army, Ft. Monmouth	Bldg. 812, Main Post	18.00	8.00	10.00	M	NJDEP
812MW06/29-42577	US Army, Ft. Monmouth	Bldg. 812, Main Post	16.00	6.00	8.00	M	NJDEP
812MW07/29-42578	US Army, Ft. Monmouth	Bldg. 812, Main Post	18.00	8.00	11.50	M	NJDEP
812MW08/29-42579	US Army, Ft. Monmouth	Bldg. 812, Main Post	16.00	6.00	6.50	M	NJDEP
812MW09/29-42580	US Army, Ft. Monmouth	Bldg. 812, Main Post	16.00	6.00	5.00	M	NJDEP
812MW10/29-42581	US Army, Ft. Monmouth	Bldg. 812, Main Post	16.00	6.00	6.00	M	NJDEP
812MW11/29-42582	US Army, Ft. Monmouth	Bldg. 812, Main Post	15.00	5.00	6.00	M	NJDEP
812MW12/29-42583	US Army, Ft. Monmouth	Bldg. 812, Main Post	16.00	6.00	5.00	M	NJDEP
1108MW01/29-31785	US Army, Ft. Monmouth	Bldg. 1108, Main Post	15.00	5.00	6.34	M/S	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
812MW13/29-42584	US Army, Ft. Monmouth	Bldg. 812, Main Post	19.00	9.00	10.00	M	NJDEP
812MW14/29-42888	US Army, Ft. Monmouth	Bldg. 812, Main Post	15.00	5.00	7.00	M	NJDEP
886MW01/29-47835	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	M	NJDEP
886MW02/29-47836	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	M	NJDEP
886MW03/29-47837	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	M	NJDEP
886MW04/29-47838	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	M	NJDEP
886MW05/29-47839	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	M	NJDEP
886RW01/29-47840	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	E	NJDEP
886RW02/29-47841	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	E	NJDEP
886RW03/29-47842	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	E	NJDEP
886RW04/29-47843	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	E	NJDEP
886RW05/29-47844	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	E	NJDEP
886RW06/29-47845	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	E	NJDEP
886RW07/29-47846	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	E	NJDEP
886RW08/29-47847	US Army, Ft. Monmouth	Bldg. 886, MainPost	17.00	2.00	6.00	E	NJDEP
287MW01/29-30964	US Army, Ft. Monmouth	Bldg. 287, Main Post	15.00	2.00	3.00	M	NJDEP
800MW01/29-42459	US Army, Ft. Monmouth	Bldg. 800, Main Post	15.00	5.00	6.00	M	NJDEP
949MW01/29-42458	US Army, Ft. Monmouth	Bldg. 949, Main Post	15.00	5.00	7.00	M	NJDEP
1220MW01/29-30965	US Army, Ft. Monmouth	Bldg. 1220, Main Post	15.00	2.00	8.00	M	NJDEP
430MW01/29-33756	US Army, Ft. Monmouth	Bldg. 430, Main Post	12.50	2.50	4.00	M	NJDEP
210MW01/29-31972	US Army, Ft. Monmouth	Bldg. 210, Main Post	12.00	2.00	*	M	NJDEP
482MW01/29-33759	US Army, Ft. Monmouth	Bldg. 482, Main Post	12.00	2.00	3.00	M	NJDEP
208BMW01/29-30963	US Army, Ft. Monmouth	Bldg. 208, Main Post	15.00	2.00	3.50	M	NJDEP
689MW01/29-30966	US Army, Ft. Monmouth	Bldg. 689, Main Post	12.50	2.00	*	M/S	NJDEP
689MW02/29-30967	US Army, Ft. Monmouth	Bldg. 689, Main Post	12.50	2.00	*	M/S	NJDEP
616MW01/29-33760	US Army, Ft. Monmouth	Bldg. 616, Main Post	14.00	4.00	*	M	NJDEP
207MW01/29-30957	US Army, Ft. Monmouth	Bldg. 207, Main Post	15.00	1.50	*	M/S	NJDEP
Gate6MW01/29-37520	US Army, Ft. Monmouth	Gate 6 (Nicodemus Gate), Main Post	52.00	42.50	19.00	D	NJDEP
BWMW01B/29-32587	US Army, Ft. Monmouth	Background well #1, Main Post	14.00	4.00	2.50	M	NJDEP
BWMW02B/29-32588	US Army, Ft. Monmouth	Background well #2, Main Post	20.00	10.00	10.50	M	NJDEP
BWMW03B/29-32589	US Army, Ft. Monmouth	Background well #3, Main Post	26.00	16.00	10.00	M	NJDEP
BWMW04B/29-32567	US Army, Ft. Monmouth	Background well #4, Main Post	16.00	5.00	5.00	M	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
BWMW05B/29-32583	US Army, Ft. Monmouth	Background well #5, Main Post	15.50	4.50	4.00	M	NJDEP
BWMW06B/29-32602	US Army, Ft. Monmouth	Background well #6, Main Post	15.00	4.00	3.50	M	NJDEP
BWMW07B/29-32604	US Army, Ft. Monmouth	Background well #7, Main Post	16.00	5.00	7.50	M	NJDEP
BWMW08B/29-32598	US Army, Ft. Monmouth	Background well #8, Main Post	15.00	5.00	3.50	M	NJDEP
BWMW09B/29-32603	US Army, Ft. Monmouth	Background well #9, Main Post	15.00	5.00	5.00	M	NJDEP
BWMW10B/29-32605	US Army, Ft. Monmouth	Background well #10, Main Post	14.50	4.50	3.50	M	NJDEP
161MW01/29-31775	US Army, Ft. Monmouth	Bldg.161, Main Post	12.00	2.00	*	M	NJDEP
697MW01/29-31776	US Army, Ft. Monmouth	Bldg. 697, Main Post	17.50	2.50	*	M	NJDEP
206MW01/29-31784	US Army, Ft. Monmouth	Bldg. 206, Main Post	12.50	2.50	*	M	NJDEP
65AMW01/29-29938	US Army, Ft. Monmouth	Bldg. 65a, Main Post	12.00	2.00	*	M	NJDEP
CenterMW01/29-39123	Birchwood Real Estate Dev.	Center Street (lot 22; b 46), Eatontown	200.00	180.00	13.00	D	NJDEP
RoseMW13/29-43830	Getty Properties Corp.	30 Rose Ct., Eatontown	17.00	6.80	13.00	M	NJDEP
E117MW01/29-33219	Boro of Eatontown	117 Broad Street, Eatontown	19.00	9.00	13.00	M	NJDEP
E117MW09/29-33220	Boro of Eatontown	117 Broad Street, Eatontown	19.00	9.00	13.50	M	NJDEP
E117MW04/29-31968	Boro of Eatontown	117 Broad Street, Eatontown	20.00	10.00	13.00	M	NJDEP
TRW-1/29-37605	Allied Signal	118 Rt. 35, Eatontown	22.00	5.75	6.00	E	NJDEP
TRW-2/29-37602	Allied Signal	118 Rt. 35, Eatontown	22.00	5.75	6.00	E	NJDEP
AlliedU-2/29-37604	Allied Signal	118 Rt. 35, Eatontown	22.00	5.75	6.00	E	NJDEP
RW-6/29-35130	Allied Signal	118 Rt. 35, Eatontown	46.00	4.00	9.00	E	NJDEP
RW-2/29-35129	Allied Signal	118 Rt. 35, Eatontown	48.00	4.00	8.50	E	NJDEP
RW-4/29-35128	Allied Signal	118 Rt. 35, Eatontown	47.00	4.00	9.00	E	NJDEP
RW-3/29-35127	Allied Signal	118 Rt. 35, Eatontown	49.50	4.00	8.50	E	NJDEP
ASMW03/29-22120	Allied Signal	118 Rt. 35, Eatontown	40.00	30.00	*	E	NJDEP
ASMW02/29-22104	Allied Signal	118 Rt. 35, Eatontown	45.00	35.00	*	E	NJDEP
ASMW01/29-221030	Allied Signal	118 Rt. 35, Eatontown	40.00	30.00	*	E	NJDEP
E117MW03/29-31967	Boro of Eatontown	117 Broad Street, Eatontown	20.00	10.00	13.00	M	NJDEP
21LewisMW04/29-33772	Boro of Eatontown	21 Lewis Street	13.00	3.00	4.00	M	NJDEP
21LewisMW05/29-33773	Boro of Eatontown	21 Lewis Street	13.00	3.00	4.00	M	NJDEP
E117MW05/29-31969	Boro of Eatontown	117 Broad Street, Eatontown	20.00	10.00	13.00	M	NJDEP
21 LewisMW03/29-33771	Boro of Eatontown	21 Lewis Street	13.00	3.00	4.00	M	NJDEP
20 LewisMW08/29-33770	Boro of Eatontown	20 Lewis Street	13.00	3.00	4.00	M	NJDEP
20 LewisMW07/29-33769	Boro of Eatontown	20 Lewis Street	13.00	3.00	4.00	M	NJDEP
EMMW01/29-37524	Exxon-Mobil Corp	Rt. 35 & Tinton Ave., Eatontown	14.00	2.00	5.00	M	NJDEP
DW-3/29-32841	Allied Signal	118 Rt. 35, Eatontown	56.00	44.00	9.20	M	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
DW-2/29-32840	Allied Signal	118 Rt. 35, Eatontown	52.00	40.00	9.00	M	NJDEP
SW-1/29-32839	Allied Signal	118 Rt. 35, Eatontown	12.00	2.00	3.40	M	NJDEP
DW-1/29-32838	Allied Signal	118 Rt. 35, Eatontown	38.00	24.00	3.50	M	NJDEP
WGIG01/29-22526	Redacted - Privacy Act	10 Alwin Terrace, Little Silver	173.00	158.00	6.00	G	NJDEP
1076MW01/29-26940	US Army, Ft. Monmouth	Bldg. 1076, Main Post	15.00	3.00	5.50	M	NJDEP
1076MW02/29-26941	US Army, Ft. Monmouth	Bldg. 1076, Main Post	14.00	4.00	5.00	M	NJDEP
1076MW03/29-26942	US Army, Ft. Monmouth	Bldg. 1076, Main Post	15.00	5.00	6.00	M	NJDEP
LMW01/49-000551	US Army, Ft. Monmouth	Landfill, Main Post	9.85	3.05	5.08	M	NJDEP
LMW02/49-000552	US Army, Ft. Monmouth	Landfill, Main Post	16.99	1.30	*	M	NJDEP
LMW03/49-000553	US Army, Ft. Monmouth	Landfill, Main Post	16.43	1.62	10.83	M	NJDEP
LMW04/49-000554	US Army, Ft. Monmouth	Landfill, Main Post	10.25	1.90	*	M	NJDEP
282MW01/29-30962	US Army, Ft. Monmouth	Bldg. 282, Main Post	15.00	4.50	4.00	M/S	NJDEP
65IW01/29-08438	Redacted - Privacy Act	65 Monmouth Blvd., Oceanport	58.00	50.00	13.00	D	NJDEP
980MW01/29-40077	New Plan Excel Reality	980 Shrewsbury Ave, Tinton Falls	12.50	2.50	3.00	M	NJDEP
980MW02/29-40078	New Plan Excel Reality	980 Shrewsbury Ave, Tinton Falls	14.00	2.00	3.00	M	NJDEP
980MW03/29-40079	New Plan Excel Reality	980 Shrewsbury Ave, Tinton Falls	12.00	2.00	4.80	M	NJDEP
980MW05/29-51884	New Plan Excel Reality	980 Shrewsbury Ave, Tinton Falls	13.00	3.00	3.50	M	NJDEP
980MW06/29-51885	New Plan Excel Reality	980 Shrewsbury Ave, Tinton Falls	13.00	3.00	3.00	M	NJDEP
NRDMW07/29-39066	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	15.00	4.50	8.00	M	NJDEP
NRDMW08/29-39067	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	64.00	44.00	12.00	M	NJDEP
NRDMW09/29-40631	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	15.00	5.00	8.00	M	NJDEP
NRDMW10/29-41633	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	14.00	4.00	6.00	M	NJDEP
NRDMW11/29-41634	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	12.00	2.00	6.00	M	NJDEP
NRDMW12/29-41635	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	13.00	3.00	6.00	M	NJDEP
NRDMW13/20-41636	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	14.00	4.00	6.00	M	NJDEP
NRDMW14/29-43777	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	15.00	5.00	7.00	M	NJDEP
1138DW/29-19540	Redacted - Privacy Act	Wolf Press 1138 Pinebrook Rd., Tinton Falls	215.00	200.00	33.00	D	NJDEP
7IG01/29-28128	Redacted - Privacy Act	7 Violante Court, Eatontown	40.00	30.00	8.00	G	NJDEP
30DM01/29-13163		30 Victor Ave., Eatontown	51.00	41.00	5.00	D	NJDEP
144DM01/29-16207		144 Grant Ave., Eatontown	117.00	111.00	12.00	D	NJDEP
11/29-25316	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	15.00	4.00	6.40	M	NJDEP
12/29-25317	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	15.00	5.00	6.70	M	NJDEP
13/29-25318	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	15.00	5.00	7.00	M	NJDEP
14/29-25319	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	15.00	5.00	7.00	M	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
15/29-25320	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	15.00	5.00	7.00	M	NJDEP
16/29-26053	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	15.00	5.00	*	M	NJDEP
17/29-26054	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	15.00	5.00	*	M	NJDEP
18/29-26055	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	15.00	5.00	*	M	NJDEP
19/29-26056	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	15.00	5.00	7.00	M	NJDEP
23/29-27770	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	23.00	3.00	8.00	E	NJDEP
24/29-27771	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	18.00	5.00	8.00	E	NJDEP
25/29-27772	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	18.00	5.00	8.00	E	NJDEP
26/29-27773	Mobil Oil Corp.	Block 8, Lot 5, Eatontown	18.00	5.00	8.00	E	NJDEP
46/29-26806	Exxon Corp.	Block 2; Lot 7.01, 8, Eatontown	15.00	3.00	5.00	M	NJDEP
47/29-26807	Exxon Corp.	Block 2; Lot 7.01, 8, Eatontown	16.00	3.00	5.00	M	NJDEP
48/29-26808	Exxon Corp.	Block 2; Lot 7.01, 8, Eatontown	17.00	3.00	6.00	M	NJDEP
49/29-26809	Exxon Corp.	Block 2; Lot 7.01, 8, Eatontown	17.00	3.00	5.00	M	NJDEP
50/29-14593	Amoco Oil Company	Route 35 South, Eatontown	16.50	1.50	12.00	M	NJDEP
51/29-14594	Amoco Oil Company	Route 35 South, Eatontown	16.50	1.50	12.00	M	NJDEP
52/29-14595	Amoco Oil Company	Route 35 South, Eatontown	16.50	1.50	12.00	M	NJDEP
53/29-14596	Amoco Oil Company	Route 35 South, Eatontown	16.50	1.50	12.00	M	NJDEP
EMMW06/29-53181	Exxon-Mobil	Rt. 35 & Tinton Ave., Eatontown	30.00	25.00	10.00	M	NJDEP
160EMMW6/29-53180	Exxon-Mobil	Rt. 35 & Tinton Ave., Eatontown	15.00	2.00	13.00	M	NJDEP
RT35SMW19R/29-47025	Equia Services	Rt. 35 & South Street	15.00	13.00	4.00	M	NJDEP
Rt.35SMW12R/29-47026	Equia Services	Rt. 35 & South Street	15.00	13.00	4.00	M	NJDEP
RT.35SMW11R/29-47023	Equia Services	Rt. 35 & South Street	15.00	13.00	4.00	M	NJDEP
EMMW12/29-45031	Exxon-Mobil	Rt. 35 & Tinton Ave., Eatontown	8.00	2.50	4.00	M	NJDEP
Rt.35SMW04R/29-47022	Equia Services	Rt. 35 & South Street	15.00	2.00	4.00	M	NJDEP
EMMW13/29-45251	Exxon-Mobil	Rt. 35 & Tinton Ave., Eatontown	8.00	2.70	4.00	M	NJDEP
EMMW1/29-45153	Exxon-Mobil	Rt. 35 & Tinton Ave., Eatontown	13.00	2.70	5.00	M	NJDEP
EMMW12/29-49532	Exxon-Mobil	Rt. 35 & Tinton Ave., Eatontown	15.00	2.50	7.00	M	NJDEP
84MW01/29-40281	Redacted - Privacy Act	84 High Street, Eatontown	30.00	15.00	18.00	M	NJDEP
RW01202/29-56339		202 Broad Street, Eatontown	15.00			E	NJDEP
RW02202/29-56341		202 Broad Street, Eatontown	15.00			E	NJDEP
RW03202/29-56344		202 Broad Street, Eatontown	15.00			E	NJDEP
IW01489/29-52789		489 Driveway, Oceanport, NJ	170.00			G	NJDEP
DW018/29-46457		9 Main Street, Oceanport, NJ	70.00			D	NJDEP
814/29-26939	US Army, Ft. Monmouth	Bldg. 814 Main Post, Ft. Monmouth	14.00	4.00	4.00	M/S	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
324/29-14168	Vincent J. Russo, Bldr.	Block 70.1, Lot 90, Little Silver	184.00	165.00	5.00	G	NJDEP
L1/49-00551	US Army, Ft. Monmouth	Landfill, Main Post	9.85	3.05	5.08	M	NJDEP
L2/49-00552	US Army, Ft. Monmouth	Landfill, Main Post	16.99	1.30	*	M	NJDEP
L3/49-00553	US Army, Ft. Monmouth	Landfill, Main Post	16.43	1.62	10.83	M	NJDEP
L4/49-00554	US Army, Ft. Monmouth	Landfill, Main Post	10.25	1.90	*	M	NJDEP
MW22498/29-32582	US Army, Ft. Monmouth	Bldg. 498 Main Post, Ft. Monmouth	15.50	4.50	7.00	M/S	NJDEP
250MW01/29-29742	US Army, Ft. Monmouth	Bldg. 250 Main Post, Ft. Monmouth	25.00	5.00	7.00	M/S	NJDEP
250MW02/29-29743	US Army, Ft. Monmouth	Bldg. 250 Main Post, Ft. Monmouth	25.00	5.00	7.00	M/S	NJDEP
250MW03/29-29744	US Army, Ft. Monmouth	Bldg. 250 Main Post, Ft. Monmouth	25.00	5.00	7.00	M/S	NJDEP
250MW04/29-29745	US Army, Ft. Monmouth	Bldg. 250 Main Post, Ft. Monmouth	25.00	5.00	7.00	M/S	NJDEP
9RW-00/29-49595	Estate of Redacted - Privacy Act	9 Monmouth Pl., Oceanport	15.00	*	*	E	NJDEP
9RW-01/29-56425	Estate of	9 Monmouth Pl., Oceanport	13.00	*	*	E	NJDEP
9RW-02/29-56426	Estate of	9 Monmouth Pl., Oceanport	13.00	*	*	E	NJDEP
9RW-03/29-56427	Estate of	9 Monmouth Pl., Oceanport	13.00	*	*	E	NJDEP
9RW-04/29-56428	Estate of	9 Monmouth Pl., Oceanport	13.00	*	*	E	NJDEP
9RW-05/29-56429	Estate of	9 Monmouth Pl., Oceanport	13.00	*	*	E	NJDEP
9RW-06/29-56430	Estate of	9 Monmouth Pl., Oceanport	13.00	*	*	E	NJDEP
9RW-07/29-56431	Estate of	9 Monmouth Pl., Oceanport	13.00	*	*	E	NJDEP
9RW-08/29-56432	Estate of	9 Monmouth Pl., Oceanport	13.00	*	*	E	NJDEP
43IG-01/29-40568	Redacted - Privacy Act	43 Park Ave., Eatontown	60.00	*	*	G	NJDEP
43IG-02/29-42552		43 Park Ave., Eatontown	60.00	*	*	G	NJDEP
29-04782		Asbury Ave., Oceanport	50.00	45.75	7.00	D	NJDEP
DW12401/29-01016		128 Leonard Ave., Oceanport	150.00	133.00	2.00	D	NJDEP
69903-1/29-11063	US Army, Ft. Monmouth	Bldg. 699, Main Post	20.00	0.00	0.00	M/S	NJDEP
69903-2/29-11064	US Army, Ft. Monmouth	Bldg. 699, Main Post	23.00	5.00	0.00	M/S	NJDEP
69903-3/29-11065	US Army, Ft. Monmouth	Bldg. 699, Main Post	25.00	5.00	0.00	M/S	NJDEP
69903-4/29-11066	US Army, Ft. Monmouth	Bldg. 699, Main Post	25.00	5.00	0.00	M/S	NJDEP
69903-5/29-11067	US Army, Ft. Monmouth	Bldg. 699, Main Post	25.00	5.00	0.00	M/S	NJDEP
69903-6/29-11068	US Army, Ft. Monmouth	Bldg. 699, Main Post	25.00	5.00	0.00	M/S	NJDEP

**Fort Monmouth, New Jersey
May 2009 Well Search Summary Table**

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
5/29-27751	The Ranney School	235 Hope Rd., Tinton Falls	14.00	4.00	8.00	M	NJDEP
6/29-27752	The Ranney School	235 Hope Rd., Tinton Falls	14.00	4.00	6.00	M	NJDEP
7/29-27800	The Ranney School	235 Hope Rd., Tinton Falls	12.00	2.00	3.67	M	NJDEP
8/29-14431	The Ranney School	235 Hope Rd., Tinton Falls	25.00	5.00	5.00	G	NJDEP
9/29-11142	Redacted - Privacy Act	27 Devon Court, Tinton Falls	46.00	32.00	6.00	G	NJDEP
10/29-21698		463 Tinton Ave., Tinton Falls	186.00	171.00	32.00	D	NJDEP
20/29-26865	Eatontown Board of Education	250 Pinebrook Rd., Eatontown	12.00	2.00	10.00	M	NJDEP
21/29-26866	Eatontown Board of Education	250 Pinebrook Rd., Eatontown	12.00	2.00	10.00	M	NJDEP
22/29-26867	Eatontown Board of Education	250 Pinebrook Rd., Eatontown	12.00	2.00	10.00	M	NJDEP
27/29-28140	Redacted - P	539 Tinton Ave., Tinton Falls	261.00	241.00	21.00	D	NJDEP
28/29-28781	County of Monmouth	Hwy. District 316 (B-97, L-21.01), Tinton Falls	17.00	7.00	11.08	M	NJDEP
29/29-28782	County of Monmouth	Hwy. District 316 (B-97, L-21.01), Tinton Falls	17.00	7.00	7.17	M	NJDEP
30/29-29607	County of Monmouth	Hwy. District 316 (B-97, L-21.01), Tinton Falls	17.50	7.50	8.33	M	NJDEP
31/29-29623	County of Monmouth	Hwy. District 316 (B-97, L-21.01), Tinton Falls	14.00	4.00	6.56	M	NJDEP
32/29-16775	NJDOT	Block 113, Lot 8A, 9A, Tinton Falls	63.00	58.00	*	M	NJDEP
33/29-16776	NJDOT	Block 113, Lot 8A, 9A, Tinton Falls	76.50	71.50	*	M	NJDEP
34/29-27443	County of Monmouth	143A Wayside Road, Tinton Falls	17.00	7.00	11.33	M	NJDEP
35/29-27444	County of Monmouth	143A Wayside Road, Tinton Falls	17.00	7.00	11.50	M	NJDEP
36/29-27453	County of Monmouth	143A Wayside Road, Tinton Falls	17.50	7.50	11.75	M	NJDEP
37/29-23921	Redacted - Privacy Act Aris Corp.	Block 114.01, Lot 21.02, Tinton Falls	12.00	2.00	4.00	M	NJDEP
38/29-25775	Redacted - Privacy Act	Block 114.01, Lot 21.02, Tinton Falls	12.00	2.00	4.00	M	NJDEP
39/29-26312		Block 114.01, Lot 21.02, Tinton Falls	8.00	0.00	4.00	M	NJDEP
40/29-29421		46 Park Road, Tinton Falls	13.00	3.00	3.50	M	NJDEP
41/29-23919	Redacted - Privacy Act Aris Corp.	Block 114.01, Lot 21.02, Tinton Falls	12.00	2.00	3.00	M	NJDEP
42/29-23290	Aris Corp.	Block 114.01, Lot 21.02, Tinton Falls	12.00	2.00	3.00	M	NJDEP
43/29-23916	Aris Corp.	Block 114.01, Lot 21.02, Tinton Falls	9.00	2.00	3.00	M	NJDEP
44/29-23917	Aris Corp.	Block 114.01, Lot 21.02, Tinton Falls	13.00	2.00	3.00	M	NJDEP
45/29-23918	Aris Corp.	Block 114.01, Lot 21.02, Tinton Falls	12.00	2.00	3.00	M	NJDEP
54/29-2952	Redacted - Privacy Act	11 West Front Street, Eatontown	150.00	150.00	7.00	D	NJDEP
11IW0129-13187		11 West Street, Eatontown	80.00	41.00	15.00	G	NJDEP
151IW01/29-40917		151 Nottingham Drive, Eatontown	80.00	57.00	26.00	G	NJDEP
12IW01/29-48592		12 Tess Court, Eatontown	227.00	220.00	40.00	G	NJDEP
20IW01/29-47044		20 Tess Court, Eatontown	228.00	225.00	60.00	G	NJDEP

**Fort Monmouth, New Jersey
May 2009 Well Search Summary Table**

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
145IW01/29-38660	Redacted - Privacy Act	145 Nottingham Drive, Eatontown	80.00	54.00	22.00	G	NJDEP
MCMW01/29-39917	Monmouth County Dept of bldg.	Pinebrook Rd, Tinton Falls	11.00	10.00	3.00	M	NJDEP
METMW13/29-57012	Mid-Monmouth Realty Assoc.	Pinebrook Rd, Tinton Falls	12.00	10.00	3.00	M	NJDEP
METMW14/29-57013	Mid-Monmouth Realty Assoc.	Pinebrook Rd, Tinton Falls	12.00	10.00	3.00	M	NJDEP
METMW11/29-57010	Mid-Monmouth Realty Assoc.	Pinebrook Rd, Tinton Falls	12.00	10.00	3.00	M	NJDEP
METMW12/29-57011	Mid-Monmouth Realty Assoc.	Pinebrook Rd, Tinton Falls	12.00	10.00	3.00	M	NJDEP
556MW06/29-55482	Tinton Falls	556 Tinton Ave., Tinton Falls	30.00	9.80	18.00	M	NJDEP
556MW05/29-55481	Tinton Falls	556 Tinton Ave., Tinton Falls	30.00	9.80	18.00	M	NJDEP
556MW04/29-55480	Tinton Falls	556 Tinton Ave., Tinton Falls	30.00	9.80	18.00	M	NJDEP
556MW03/29-46215	Tinton Falls	556 Tinton Ave., Tinton Falls	30.00	14.50	20.00	M	NJDEP
556MW02/29-46214	Tinton Falls	556 Tinton Ave., Tinton Falls	30.00	14.50	20.00	M	NJDEP
556MW01/29-46213	Tinton Falls	556 Tinton Ave., Tinton Falls	30.00	14.50	20.00	M	NJDEP
556MW01/29-55482	Tinton Falls	556 Tinton Ave., Tinton Falls	30.00	14.50	20.00	M	NJDEP
84MW01/29-40281	Redacted - Privacy Act	84 High Street, Eatontown	30.00	15.00	18.00	M	NJDEP
EMMW06/29-53181	Exxon-Mobil	Rt. 35 & Tinton Ave., Eatontown	30.00	25.00	10.00	M	NJDEP
160EMMW6/29-53180	Exxon-Mobil	Rt. 35 & Tinton Ave., Eatontown	15.00	2.00	13.00	M	NJDEP
RT35SMW19R/29-47025	Equia Services	Rt. 35 & South Street	15.00	13.00	4.00	M	NJDEP
Rt.35SMW12R/29-47026	Equia Services	Rt. 35 & South Street	15.00	13.00	4.00	M	NJDEP
RT.35SMW11R/29-47023	Equia Services	Rt. 35 & South Street	15.00	13.00	4.00	M	NJDEP
EMMW12/29-45031	Exxon-Mobil	Rt. 35 & Tinton Ave., Eatontown	8.00	2.50	4.00	M	NJDEP
Rt.35SMW04R/29-47022	Equia Services	Rt. 35 & South Street	15.00	2.00	4.00	M	NJDEP
EMMW13/29-45251	Exxon-Mobil	Rt. 35 & Tinton Ave., Eatontown	8.00	2.70	4.00	M	NJDEP
EMMW1/29-45153	Exxon-Mobil	Rt. 35 & Tinton Ave., Eatontown	13.00	2.70	5.00	M	NJDEP
35MW01/29-50796	Redacted - Privacy Act	35 Tinton Ave, Eatontown	23.00	7.70	15.00	M	NJDEP
EMMW12/29-49532	Exxon-Mobil	Rt. 35 & Tinton Ave., Eatontown	15.00	2.50	7.00	M	NJDEP
166MW01/29-53713	Redacted - Privacy Act	166 Tinton Ave., Eatontown	15.00	5.00	7.00	M	NJDEP
525DW01/29-40296		525 Tinton Ave, Tinton Falls	191.00	166.00	21.00	D	NJDEP
521RDW01/29-39028		521 Tinton Ave, Tinton Falls	186.00	166.00	40.00	D-1	NJDEP
MRSIW1/29-38654	Monmouth Regional High School	One Norman Field Way, Tinton Falls	173.00	158.00	14.00	G	NJDEP
43IW01/29-48605	Redacted - Privacy Act	43 Devon Ct., Tinton Falls	80.00	70.00	16.00	G	NJDEP
539MW01/29-46032		539 Tinton Ave., Tinton Falls	14.00	1.75	3.00	M	NJDEP
531RDW01/29-46811		531 Tinton Ave., Tinton Falls	186.00	166.00	16.00	D-1	NJDEP
539MW02/29-48007	Concession Supply Co. Inc	539 Tinton Ave., Tinton Falls	12.00	2.00	3.00	M	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
539MW03/29-48008	Concession Supply Co. Inc	539 Tinton Ave., Tinton Falls	12.00	2.00	3.00	M	NJDEP
539MW04/29-48699	Redacted - Privacy Act	539 Tinton Ave., Tinton Falls	12.00	2.00	3.00	M	NJDEP
MRSIW3/29-52364	Monmouth Regional High School	One Norman Field Way, Tinton Falls	300.00	260.00	27.00	G	NJDEP
MRSIW2/29-45800	Monmouth Regional High School	One Norman Field Way, Tinton Falls	305.00	265.00	45.00	G	NJDEP
MRSIW4/29-52099	Monmouth Regional High School	One Norman Field Way, Tinton Falls	300.00	260.00	27.00	G	NJDEP
556IW1/29-51969	Boro of Tinton Falls	556 Tinton Ave., Tinton Falls	295.00	245.00	40.00	G	NJDEP
556IW2/29-51968	Boro of Tinton Falls	556 Tinton Ave., Tinton Falls	310.00	260.00	40.00	G	NJDEP
GSP104MW03/29-48257	NJ Highway Authority	Mile Post 104 GSP	25.00	15.00	16.00	M	NJDEP
GSP104MW02/29-48256	NJ Highway Authority	Mile Post 104 GSP	25.00	15.00	16.00	M	NJDEP
GSP104MW01/29-48255	NJ Highway Authority	Mile Post 104 GSP	25.00	15.00	16.00	M	NJDEP
CW1MW026 /29-32590	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	16.00	5.00	9.00	M	NJDEP
CW1MW027 /29-32591	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	16.00	5.00	9.00	M	NJDEP
CW1MW028/29-32592	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	15.00	5.00	7.50	M	NJDEP
CW1MW029/29-32593	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	15.00	5.00	7.50	M	NJDEP
CW1MW281/29-35312	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	50.00	31.00	10.00	M	NJDEP
CW1MW282/29-35313	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	42.00	6.00	10.00	M	NJDEP
CW1MW291/29-35314	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	34.00	6.00	10.00	M	NJDEP
CW1MW030/29-43188	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	17.00	7.00	8.00	M	NJDEP
CW1MW031/29-43189	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	19.00	4.00	3.00	M	NJDEP
CW1MW032/29-43190	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	22.00	7.00	3.00	M	NJDEP
CW1MW033/29-43191	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	20.00	5.00	3.00	M	NJDEP
CW1MW034/29-43192	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	20.00	5.00	8.00	M	NJDEP
CW1MW035/29-43193	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	20.00	5.00	7.00	M	NJDEP
CW1MW036/29-43194	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	20.00	5.00	8.00	M	NJDEP
CW1MW037/29-43195	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	20.00	5.00	8.00	M	NJDEP
CW1MW038/29-43186	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	50.00	30.00	8.00	M	NJDEP
CW1MW039/29-43185	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	48.00	28.00	8.00	M	NJDEP
CW1MW040/29-43187	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	50.00	20.00	8.00	M	NJDEP
CW1RW01/29-44633	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	23.00	5.00	*	E	NJDEP
CW1RW02/29-45955	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	23.50	8.50	*	E	NJDEP
CW1SPG1/29-37737	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	22.00	19.00	*	E	NJDEP
CW1SPG2/29-37738	US Army, Ft. Monmouth	CW-1(2700) Charles Wood, Ft. Monmouth	22.00	19.00	*	E	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
CW6MW01/29-30970	US Army, Ft. Monmouth	CW-6 (2044) Charles Wood, Ft. Monmouth	15.00	2.00	3.00	M	NJDEP
CW6MW02/29-30971	US Army, Ft. Monmouth	CW-6 (2044) Charles Wood, Ft. Monmouth	15.00	2.00	3.00	M	NJDEP
CW6MW03/29-30972	US Army, Ft. Monmouth	CW-6 (2044) Charles Wood, Ft. Monmouth	15.00	2.00	3.00	M	NJDEP
CW6MW34/29-32599	US Army, Ft. Monmouth	CW-6 (2044) Charles Wood, Ft. Monmouth	15.00	4.50	6.00	M	NJDEP
CW6MW35/29-32600	US Army, Ft. Monmouth	CW-6 (2044) Charles Wood, Ft. Monmouth	15.00	4.50	3.00	M	NJDEP
CW6MW36/29-32601	US Army, Ft. Monmouth	CW-6 (2044) Charles Wood, Ft. Monmouth	15.00	4.50	4.00	M	NJDEP
2567MW01/29-26925	US Army, Ft. Monmouth	Bldg. 2567, Charles Wood, Ft. Monmouth	13.00	3.00	4.00	M	NJDEP
2567MW02/29-26926	US Army, Ft. Monmouth	Bldg. 2567, Charles Wood, Ft. Monmouth	13.00	3.00	5.50	M	NJDEP
2567MW03/29-26927	US Army, Ft. Monmouth	Bldg. 2567, Charles Wood, Ft. Monmouth	13.00	3.00	4.00	M	NJDEP
2567MW04/29-26928	US Army, Ft. Monmouth	Bldg. 2567, Charles Wood, Ft. Monmouth	12.00	2.00	3.00	M	NJDEP
2567MW05/29-31783	US Army, Ft. Monmouth	Bldg. 2567, Charles Wood, Ft. Monmouth	12.50	2.50	7.00	M	NJDEP
2567MW06/29-42585	US Army, Ft. Monmouth	Bldg. 2567, Charles Wood, Ft. Monmouth	13.00	3.00	4.00	M	NJDEP
2567MW07/29-42586	US Army, Ft. Monmouth	Bldg. 2567, Charles Wood, Ft. Monmouth	13.00	3.00	4.00	M	NJDEP
2534MW01/29-31789	US Army, Ft. Monmouth	Bldg. 2534, Charles Wood, Ft. Monmouth	12.50	2.00	8.00	M	NJDEP
2337MW01/29-31787	US Army, Ft. Monmouth	Bldg. 2337, Charles Wood, Ft. Monmouth	12.50	2.50	7.00	M	NJDEP
GV1/29-37037	Monmouth County Dept. of Bldg.	Pine Brook Rd., Tinton Falls	23.00	19.00	6.20	V	NJDEP
GV2/29-37036	Monmouth County Dept. of Bldg.	Pine Brook Rd., Tinton Falls	8.00	3.00	6.20	V	NJDEP
MCMW-6/29-36571	Monmouth County Dept. of Bldg.	Pine Brook Rd., Tinton Falls	15.00	5.00	8.00	M	NJDEP
GV3/29-26570	Monmouth County Dept. of Bldg.	Pine Brook Rd., Tinton Falls	28.00	23.00	9.00	V	NJDEP
GV4/29-36569	Monmouth County Dept. of Bldg.	Pine Brook Rd., Tinton Falls	28.00	23.00	8.50	V	NJDEP
GV5/29-36568	Monmouth County Dept. of Bldg.	Pine Brook Rd., Tinton Falls	30.00	25.00	9.00	V	NJDEP
GV6/29-36567	Monmouth County Dept. of Bldg.	Pine Brook Rd., Tinton Falls	5.00	4.00	*	V	NJDEP
CW2MW30/29-32594	US Army, Ft. Monmouth	CW-2 (2700) Charles Wood, Ft. Monmouth	16.00	6.00	10.00	M/S	NJDEP
CW2MW31/29-32595	US Army, Ft. Monmouth	CW-2 (2700) Charles Wood, Ft. Monmouth	15.00	5.00	5.50	M/S	NJDEP
CW2MW32/29-32596	US Army, Ft. Monmouth	CW-2 (2700) Charles Wood, Ft. Monmouth	15.00	5.00	5.50	M/S	NJDEP
CW2MW33/29-32597	US Army, Ft. Monmouth	CW-2 (2700) Charles Wood, Ft. Monmouth	15.00	5.00	5.50	M/S	NJDEP
CW3AMW01/29-38021	US Army, Ft. Monmouth	CW-3, Landfill, Charles Wood, Ft. Monmouth	20.00	5.00	12.00	M	NJDEP
CW3AMW02/29-38022	US Army, Ft. Monmouth	CW-3, Landfill, Charles Wood, Ft. Monmouth	17.00	5.00	6.50	M	NJDEP
CW3AMW03/29-38023	US Army, Ft. Monmouth	CW-3, Landfill, Charles Wood, Ft. Monmouth	13.50	3.50	*	M	NJDEP
CW4AMW04/29-38024	US Army, Ft. Monmouth	CW-3, Landfill, Charles Wood, Ft. Monmouth	16.00	4.00	6.00	M	NJDEP
2000MW01/29-31777	US Army, Ft. Monmouth	Bldg. 2000, Charles Wood, Ft. Monmouth	12.00	2.00		M	NJDEP
ISW6/29-32158	US Army, Ft. Monmouth	Irrigation wells, Ft. Monmouth Golf Course	50.00	15.00	6.00	G	NJDEP
ISW5/29-32162	US Army, Ft. Monmouth	Irrigation wells, Ft. Monmouth Golf Course	48.00	16.00	6.50	G	NJDEP

Fort Monmouth, New Jersey
May 2009 Well Search Summary Table

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
ISW4/29-32161	US Army, Ft. Monmouth	Irrigation wells, Ft. Monmouth Golf Course	45.00	14.50	6.00	G	NJDEP
ISW3/29-32160	US Army, Ft. Monmouth	Irrigation wells, Ft. Monmouth Golf Course	50.00	18.00	8.00	G	NJDEP
ISW2/29032159	US Army, Ft. Monmouth	Irrigation wells, Ft. Monmouth Golf Course	50.00	18.50	6.00	G	NJDEP
2018MW01/29-35763	US Army, Ft. Monmouth	Bldg. 2018, Charles Wood	16.00	4.00	*	M/S	NJDEP
2067MW01/29-31778	US Army, Ft. Monmouth	Bldg. 2067, Charles Wood	12.50	2.50	*	M/S	NJDEP
2067MW02/29-31779	US Army, Ft. Monmouth	Bldg. 2067, Charles Wood	12.50	2.50	*	M/S	NJDEP
2562MW01/29-30958	US Army, Ft. Monmouth	Bldg. 2562, Charles Wood	12.50	2.00	*	M/S	NJDEP
2562MW02-29-30959	US Army, Ft. Monmouth	Bldg. 2562, Charles Wood	15.00	5.00	*	M/S	NJDEP
2562MW03/29-30960	US Army, Ft. Monmouth	Bldg. 2562, Charles Wood	15.00	5.00	*	M/S	NJDEP
2537MW01/29-31787	US Army, Ft. Monmouth	Bldg. 2537, Charles Wood	12.50	2.00	*	M	NJDEP
2602MW01/29-40888	US Army, Ft. Monmouth	Bldg. 2602, Charles Wood	13.00	1.75	*	M	NJDEP
2700MW04/29-30969	US Army, Ft. Monmouth	Bldg. 2700, Charles Wood	20.00	9.50	*	M	NJDEP
2700MW06/29-31778	US Army, Ft. Monmouth	Bldg. 2700, Charles Wood	20.00	1.50	*	M	NJDEP
3012MW1/29-26929	US Army, Ft. Monmouth	Bldg. 3021, Pine Brook, Ft. Monmouth	12.00	2.00	*	M	NJDEP
3021MW2/29-26930	US Army, Ft. Monmouth	Bldg. 3021, Pine Brook, Ft. Monmouth	12.00	2.00	*	M	NJDEP
3021MW3/29-26931	US Army, Ft. Monmouth	Bldg. 3021, Pine Brook, Ft. Monmouth	11.00	1.00	*	M	NJDEP
2603MW01/2-40888	US Army, Ft. Monmouth	Bldg. 2603, Charles Wood	13.00	1.50	1.80	M	NJDEP
980MW01/29-40077	New Plan Excel Reality	980 Shrewsbury Ave, Tinton Falls	12.50	2.50	3.00	M	NJDEP
980MW02/29-40078	New Plan Excel Reality	980 Shrewsbury Ave, Tinton Falls	14.00	2.00	3.00	M	NJDEP
980MW03/29-40079	New Plan Excel Reality	980 Shrewsbury Ave, Tinton Falls	12.00	2.00	4.80	M	NJDEP
980MW05/29-51884	New Plan Excel Reality	980 Shrewsbury Ave, Tinton Falls	13.00	3.00	3.50	M	NJDEP
980MW06/29-51885	New Plan Excel Reality	980 Shrewsbury Ave, Tinton Falls	13.00	3.00	3.00	M	NJDEP
NRDMW07/29-39066	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	15.00	4.50	8.00	M	NJDEP
NRDMW08/29-39067	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	64.00	44.00	12.00	M	NJDEP
NRDMW09/29-40631	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	15.00	5.00	8.00	M	NJDEP
NRDMW10/29-41633	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	14.00	4.00	6.00	M	NJDEP
NRDMW11/29-41634	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	12.00	2.00	6.00	M	NJDEP
NRDMW12/29-41635	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	13.00	3.00	6.00	M	NJDEP
NRDMW13/20-41636	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	14.00	4.00	6.00	M	NJDEP
NRDMW14/29-43777	National Realty Development	Rt. 35 & Shrewsbury Ave., Tinton Falls	15.00	5.00	7.00	M	NJDEP
246/29-47022	Equiva Services	Rt. 35 & South Street, Eatontown	15.00	2.00	4.00	M	NJDEP
247/29-47023	Equiva Services	Rt. 35 & South Street, Eatontown	15.00	2.00	4.00	M	NJDEP
248/29-47024	Equiva Services	Rt. 35 & South Street, Eatontown	15.00	2.00	4.00	M	NJDEP
249/29-47025	Equiva Services	Rt. 35 & South Street, Eatontown	15.00	2.00	4.00	M	NJDEP
250/29-45153	Exxon-Mobil Corp	Rt.35 & Tinton Ave., Eatontown	13.00	2.70	5.00	M	NJDEP
251/29-45251	Exxon-Mobil Corp	Rt. 35 & Tinton Ave., Eatontown	8.00	2.70	4.00	M	NJDEP
252/29-45031	Exxon-Mobil Corp	Rt. 35 & Tinton Ave., Eatontown	8.00	2.50	4.00	M	NJDEP
253/29-50796	Redacted - Privacy Act	35 Tinton Ave., Eatontown	23.00	8.00	15.00	M	NJDEP
254/29-49532	Exxon-Mobil Corp	Rt. 35 & Tinton Ave., Eatontown	15.00	2.50	7.00	M	NJDEP
309/29-47072	Redacted - Privacy Act	43 Oak Lane, Eatontown	8.50	3.00	6.00	M	NJDEP
310/29-47071		43 Oak Lane, Eatontown	9.50	3.50	5.00	M	NJDEP
311/29-47070		43 Oak Lane, Eatontown	9.50	2.00	6.00	M	NJDEP

**Fort Monmouth, New Jersey
May 2009 Well Search Summary Table**

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
Geo-1/29-39550	US Army, Ft. Monmouth	Bldg. 2700, Charles Wood	305	n/a	n/a	H	NJDEP
Geo-2/29-45846	US Army, Ft. Monmouth	Corrigador Rd., Charles Wood	404	n/a	n/a	H	NJDEP
Geo-3/29-47795	US Army, Ft. Monmouth	Corrigador Rd., Charles Wood	404	n/a	n/a	H	NJDEP
Geo-4/29-40473	US Army, Ft. Monmouth	Charles Wood (Main Street)	304	n/a	n/a	H	NJDEP
Geo-5/29-40203	US Army, Ft. Monmouth	Charles Wood (Main Street)	304	n/a	n/a	H	NJDEP
Geo-6/29-49430	US Army, Ft. Monmouth	Bldg. 2539, Charles Wood	305	n/a	n/a	H	NJDEP
Geo-7/29-51514	US Army, Ft. Monmouth	Quartz Ave. Battery Test Facility	400	n/a	n/a	H	NJDEP
Geo-8/29-51834	US Army, Ft. Monmouth	Saltzman Ave. Recruit Command Cntr.	420	n/a	n/a	H	NJDEP
Geo-9/29-53242	US Army, Ft. Monmouth	Bldg. 603 (Piegion & Sherrill Aves)	360	n/a	n/a	H	NJDEP
Geo-10/29-4415	US Army, Ft. Monmouth	Charles Wood (Main Street)	426	n/a	n/a	H	NJDEP
Geo-11/29-43966	US Army, Ft. Monmouth	Charles Wood (Main Street)	400	n/a	n/a	H	NJDEP
Geo-12/29-53243	US Army, Ft. Monmouth	Bldg. 603 (Piegion & Sherrill Aves)	350	n/a	n/a	H	NJDEP
Geo-13/29-50067	US Army, Ft. Monmouth	Bldg. 801, Moonshot Dr.	405	n/a	n/a	H	NJDEP
Geo-14/29-51831	US Army, Ft. Monmouth	Saltzman Ave. Recruit Command Cntr.	420	n/a	n/a	H	NJDEP
Geo-15/29-51832	US Army, Ft. Monmouth	Saltzman Ave. Recruit Command Cntr.	420	n/a	n/a	H	NJDEP
Geo-16/29-51833	US Army, Ft. Monmouth	Saltzman Ave. Recruit Command Cntr.	420	n/a	n/a	H	NJDEP
Geo-17/29-49433	US Army, Ft. Monmouth	Bldg. 2539, Charles Wood	305	n/a	n/a	H	NJDEP
Geo-18/29-53244	US Army, Ft. Monmouth	Bldg. 603 (Piegion & Sherrill Aves)	350	n/a	n/a	H	NJDEP
Geo-19/29-53245	US Army, Ft. Monmouth	Bldg. 603 (Piegion & Sherrill Aves)	350	n/a	n/a	H	NJDEP
Geo-20/29-53242	US Army, Ft. Monmouth	Bldg. 603 (Piegion & Sherrill Aves)	350	n/a	n/a	H	NJDEP
Geo-21/29-51044	US Army, Ft. Monmouth	Bldg. 801, Moonshot Dr.	410	n/a	n/a	H	NJDEP

**Fort Monmouth, New Jersey
May 2009 Well Search Summary Table**

Well ID No. and permit	Well Owner	Well Address	Total Depth (in feet)	Length of Casing (in feet)	Static water elevation (feet BGS)	Use code	Source of information
Geo-22/29-39551	US Army, Ft. Monmouth	Bldg. 2700, Charles Wood	305	n/a	n/a	H	NJDEP
Geo-23/29-49431	US Army, Ft. Monmouth	Bldg. 2539, Charles Wood	305	n/a	n/a	H	NJDEP
Geo-24/29-49432	US Army, Ft. Monmouth	Bldg. 2539, Charles Wood	305	n/a	n/a	H	NJDEP
Geo-25/29-52757	US Army, Ft. Monmouth	Bldgs. 1207 & 1208, Rittko Ave.	425	n/a	n/a	H	NJDEP
Geo-26/29-52588	US Army, Ft. Monmouth	Bldg. 1212, De Rum Ave.	425	n/a	n/a	H	NJDEP
Geo-27/29-52589	US Army, Ft. Monmouth	Bldg. 1212, De Rum Ave.	425	n/a	n/a	H	NJDEP
Geo-28/29-52587	US Army, Ft. Monmouth	Bldg. 1212, De Rum Ave.	425	n/a	n/a	H	NJDEP
Geo-29/29-52591	US Army, Ft. Monmouth	Bldg. 1212, De Rum Ave.	425	n/a	n/a	H	NJDEP
Geo-30/29-52592	US Army, Ft. Monmouth	Bldg. 1212, De Rum Ave.	425	n/a	n/a	H	NJDEP
Geo-31/29-52593	US Army, Ft. Monmouth	Bldg. 1212, De Rum Ave.	425	n/a	n/a	H	NJDEP
Geo-32/29-52594	US Army, Ft. Monmouth	Bldg. 1212, De Rum Ave.	425	n/a	n/a	H	NJDEP
Geo-33/29-52587	US Army, Ft. Monmouth	Bldg. 1212, De Rum Ave.	425	n/a	n/a	H	NJDEP
Geo-34/29-52594	US Army, Ft. Monmouth	Bldg. 1212, De Rum Ave.	425	n/a	n/a	H	NJDEP
Geo-35/29-51426	US Army, Ft. Monmouth	Bldg. 1200, Tosell Ave.	425	n/a	n/a	H	NJDEP
Geo-36/29-52590	US Army, Ft. Monmouth	Bldg. 1212, De Rum Ave.	425	n/a	n/a	H	NJDEP
Geo-37/29-53248	US Army, Ft. Monmouth	Bldg. 603 (Piegon & Sherrill Aves)	350	n/a	n/a	H	NJDEP
Geo-38/29-53246	US Army, Ft. Monmouth	Bldg. 603 (Piegon & Sherrill Aves)	350	n/a	n/a	H	NJDEP
Geo-39/29-53300	US Army, Ft. Monmouth	Bldg. 1206, De Rum Ave.	425	n/a	n/a	H	NJDEP
Geo-40/29-50066	US Army, Ft. Monmouth	Bldg. 1152 Ave. of Memories	405	n/a	n/a	H	NJDEP
Geo-41/29-45017	US Army, Ft. Monmouth	Abbey Rd.	305	n/a	n/a	H	NJDEP
Geo-42/29-44608	US Army, Ft. Monmouth	Carty St.	304	n/a	n/a	H	NJDEP
Geo-43/29-47715	US Army, Ft. Monmouth	Bldg. 2525, Charles Wood	404	n/a	n/a	H	NJDEP
Geo-44/29-46966	US Army, Ft. Monmouth	Charles Wood (Main Street)	400	n/a	n/a	H	NJDEP

M= monitoring well
J = injection well
E = recovery well
D = domestic well
G = irrigation well

/s = sealed/abandoned well
W = dewatering well
H = heat well/geothermal

Exhibit G

Public Notification Addresses

Note:

The proposed CEA is limited to Fort Monmouth property; therefore notification of off-site property owners is not required

NJDEP CEA Notification Requirements Oceanport NJ

**The following Departments were notified to establish the
Classification Exception Area.
Certified Letters, return receipt requested, were mailed.**

**NJDEP Bureau of Safe Drinking Water
401 East State Street
Trenton, NJ 08625**



**NJDEP Bureau of Water Allocation
401 East State Street
Trenton, NJ 08625**



**Monmouth County Clerk
M. Claire French
33 Mechanic Street
Freehold, NJ 07728**



**Monmouth County Planning Board
Robert Clark, Director
One East Main Street
Freehold, NJ 07728-1255**



**Monmouth County Environmental Council
One East Main Street
Freehold, NJ 07728-1255**



**Monmouth County Health Department
3435 Hwy 9
Freehold, NJ 07728**



**Borough of Oceanport
Borough Clerk
222 Monmouth Boulevard
P.O. Box 370
Oceanport, NJ 07757**