



## State of New Jersey

### DEPARTMENT OF ENVIRONMENTAL PROTECTION

Site Remediation and Waste Management Program  
Bureau of Ground Water Pollution Abatement

Mail Code: 401-05V

P.O. Box 420

Trenton, NJ 08625-0420

Phone: (609) 292-8427

Fax: (609) 633-1454

PHIL MURPHY  
*Governor*

SHEILA OLIVER  
*Lt. Governor*

CATHERINE R. MCCABE  
*Acting Commissioner*

14 March 2018

Maria Kaouris, Remediation Manager  
Honeywell International, Inc.  
115 Tabor Road  
Morris Plains, NJ 07950

Re: Classification Exception Area/Well Restriction Area Associated with Historic Fill  
Study Area 6 North, Site 087 (New Jersey Incinerator Authority)  
525 Route 440  
Block 21901, Lots 9 and 10  
Jersey City, Hudson County  
Program Interest Number: G000008710  
Subject Item ID: CEA100000005

Dear Ms. Kaouris,

Please be advised that the New Jersey Department of Environmental Protection (Department) has established a Classification Exception Area/Well Restriction Area (CEA/WRA) for ground water at the site referenced above. A CEA/WRA is an institutional control that the Department applies to restrict the use of ground water because of the presence of ground water contaminants at concentrations that exceed applicable Ground Water Quality Standards (N.J.A.C. 7:9C-1.7). The Department has established this CEA/WRA in response to information submitted by Licensed Site Remediation Professional (LSRP), Peter Jaran, on a CEA/WRA Fact Sheet Form received by the Department on 3 January 2018. The submission indicates that contaminants related to historic fill are present in ground water at concentrations that exceed applicable Ground Water Quality Standards.

The CEA/WRA is described in the enclosed CEA/WRA Fact Sheet. The CEA/WRA has an indeterminate duration, and no fees, monitoring, maintenance, or reporting requirements are associated with it. The Department will have the responsibility for maintaining this CEA/WRA.

Thank you for your attention to this matter. If you have any comments or questions regarding this CEA/WRA, please contact David Van Eck at (609) 633-2427.

Sincerely,



Mary Anne Kuserk, Chief  
Bureau of Ground Water Pollution Abatement

Enclosure

c: Peter Jaran, Equity Environmental Engineering LLC  
Jeremy Farrell, Jersey City Municipal Utilities Authority  
Carrie Nawrocki, Hudson Regional Health Commission  
Francesca Giarratana, Hudson County Division of Planning  
Stacey Flanagan, Department of Health & Human Services (Local)  
E. Junior Maldonado, Clerk of Hudson County  
Robert Byrne, Office of the Jersey City Clerk

# Classification Exception Area/Well Restriction Area for Historic Fill

## Case Information

<u>Subject Item</u>	<u>Designation</u>
CEA100000005	08-06-17-1648-22

**Case ID:** G000008710 - VIC180001  
**Case Number:** 08-06-17-1648-22 Non-Chrome  
**Preferred Id:** G000008710  
**Case:** Hudson County Chromate 87  
**Address:** 575 Route 440  
  
**City:** Jersey City  
**County:** Hudson

### Lot and Block of the Case

<u>Block</u>	<u>Lot</u>
21901	10
21901	9

**Site Location: Refer to Exhibit A –Site Location Map**

### Lot and Block of the CEA

<u>Subject Item</u>	<u>Block</u>	<u>Lot</u>	<u>Municipality</u>
CEA100000005	21901	10	Jersey City
CEA100000005	21901	9	Jersey City

### Facility Contact(s)

**NJDEP Contact:** New Jersey Department of Environmental Protection  
 Bureau of Remedial Action Permitting  
 Mail Code 401-05S  
 P.O. Box 420  
 Trenton, NJ 08625-0420  
 Phone: (609) 984-2990

## CEA Information

<u>Subject Item</u>	<u>Description</u>
CEA100000005	CEA is comprised of Block 21901, Lots 9 & 10, from Route 440 west to the Hackensack River.

<u>Subject Item</u>	<u>Affected Formation</u>	<u>Vertical Depth</u>
CEA100000005	Fill	14 feet

<u>Subject Item</u>	<u>Classification</u>
CEA100000005	II-A

**Contaminant**

This CEA/WRA applies only to the contaminants listed in the table below. The ground water quality criteria / primary drinking water standards for these contaminants are listed in micrograms per liter (µg/l). All constituent standards (N.J.A.C. 7:9C-1.6) apply at the designated boundary.

<u>Subject Item</u>	<u>Contaminant</u>	<u>Concentration (1)</u>	<u>GWQS (2)</u>
CEA100000005	Aluminum	1080 Micrograms Per Liter	200 Micrograms Per Liter
CEA100000005	Benzo(a)anthracene	0.63 Micrograms Per Liter	0.1 Micrograms Per Liter
CEA100000005	Bis (2-ethylhexyl) phthalate	6.8 Micrograms Per Liter	2 Micrograms Per Liter
CEA100000005	Chloride	4810000 Micrograms Per Liter	250000 Micrograms Per Liter
CEA100000005	Iron	41800 Micrograms Per Liter	300 Micrograms Per Liter
CEA100000005	Lead	20.2 Micrograms Per Liter	5 Micrograms Per Liter
CEA100000005	Manganese	472 Micrograms Per Liter	50 Micrograms Per Liter
CEA100000005	Sodium	2330000 Micrograms Per Liter	50000 Micrograms Per Liter

Note: (1) Maximum concentration detected at the time of CEA establishment  
(2) Ground Water Quality Standards

**CEA Boundary: Refer to Exhibit B –CEA Boundary Map**

**Projected Term of CEA:**

<u>Subject Item</u>	<u>Date Established</u>
CEA100000005	3/14/2018

<u>Subject Item</u>	<u>Duration in Years</u>
CEA100000005	Indeterminate

**Note** Since groundwater quality data indicates exceedance of contaminants above the Primary Drinking Water Standards, and the designated uses of Class II-A aquifers include potable use, the CEA established for this site is also a Well Restriction Area. The extent of Well Restriction shall coincide with the boundaries of the CEA.

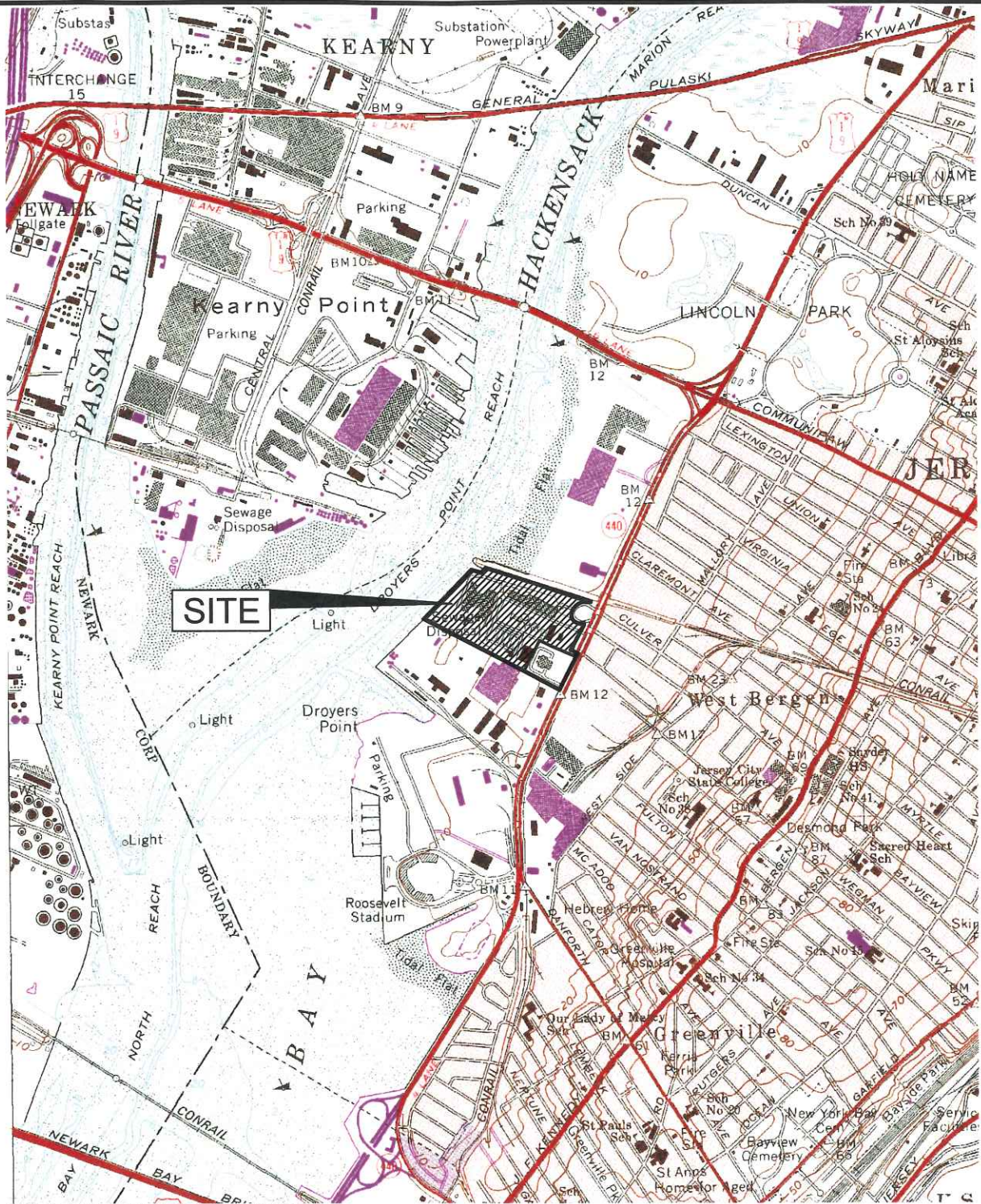
**Well Restrictions set within the boundaries of the CEA**

<u>Subject Item</u>	<u>Restriction</u>
CEA100000005	Double Case Wells: With the exception of monitoring wells installed into the first water bearing zone, any proposed well to be installed within the CEA/WRA boundary shall be double cased to an appropriate depth in order to prevent any vertical contaminant migration pathways. This depth is either into a confining layer or 50 feet below the vertical extent of the CEA.



UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN AMEC FOSTER WHEELER AND ITS CLIENT, (I) THIS DOCUMENT CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND NOT TO BE DISCLOSED TO ANY OTHER PARTY, AND (II) NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMEC FOSTER WHEELER.

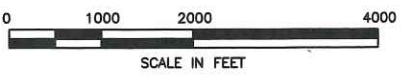
P:\GADD\HONNEWELL\JERSEY CITY\SA 6 NORTH\3480160492\3710\GEA\SOURCE DRAWING\3480160524-6100-EXA1-0000.dwg Wed, 22 Nov 2017 10:35am scott.mudlin



SOURCE: USGS QUADRANGLE MAP, 7.5 MIN SERIES  
 JERSEY CITY, NJ-NY 1967, PHOTO REVISED 1981

Amec Foster Wheeler PROJECT No. 3480160524 DRAWING: 3480160524-6100-EXA1-0000	
PREPARED/DATE: STR 05/30/17	CHECKED/DATE: EB 06/30/17

amec foster wheeler   
 ENVIRONMENT & INFRASTRUCTURE, Inc.  
 200 AMERICAN METRO BLVD, SUITE 113  
 HAMILTON, NEW JERSEY 08619






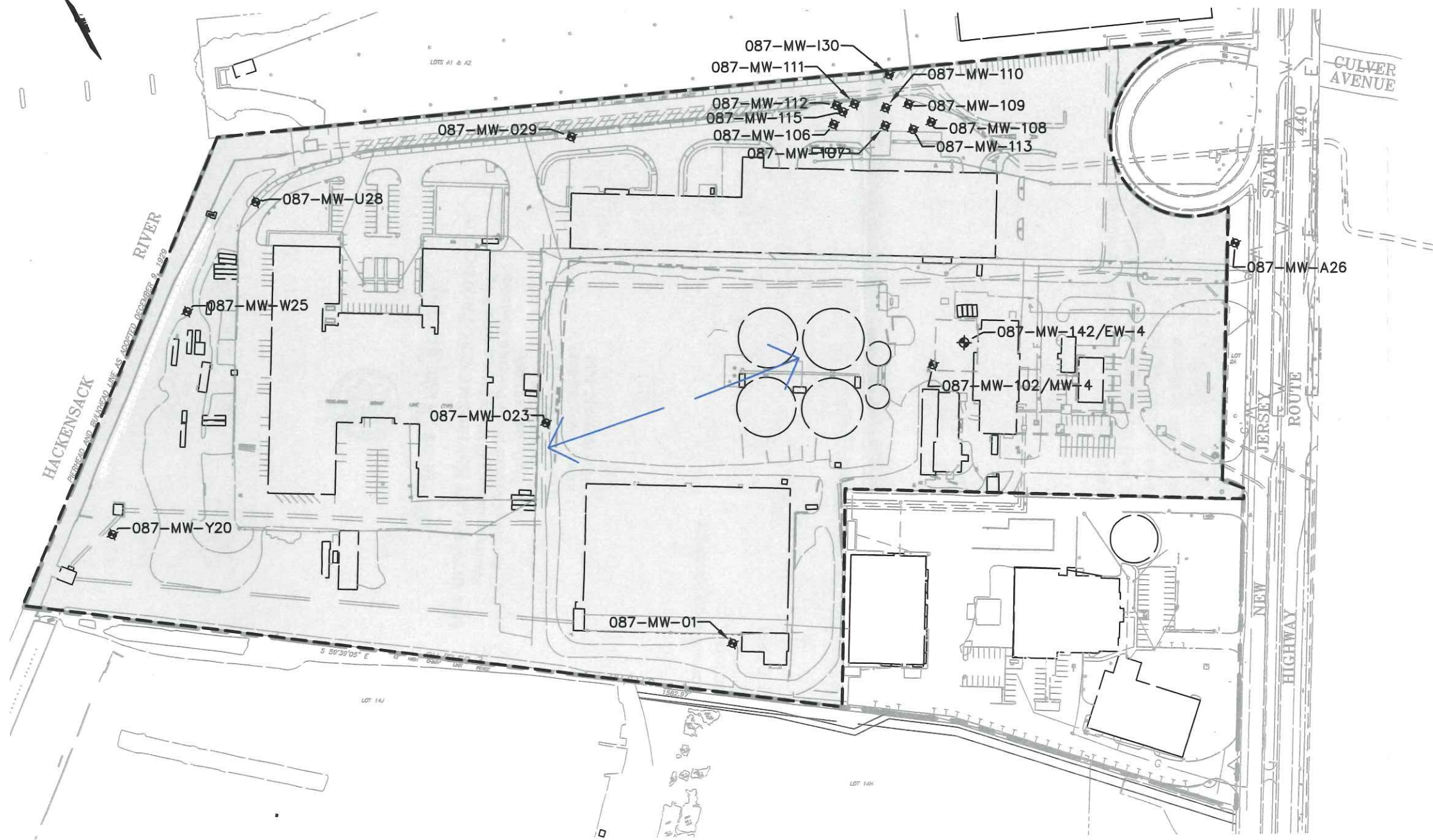
**EXHIBIT A**  
 SITE LOCATION MAP  
 STUDY AREA 6 NORTH, SITE 087  
 JERSEY CITY, NEW JERSEY



UNLESS OTHERWISE SPECIFIED IN A WRITTEN CONTRACT BETWEEN AMEC FOSTER WHEELER AND ITS CLIENT, (1) THIS DOCUMENT CONTAINS INFORMATION, DATA AND DESIGN THAT IS THE PROPERTY OF AMEC FOSTER WHEELER AND IS NOT TO BE REPRODUCED, COPIED, DISSEMINATED, OR USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF AMEC FOSTER WHEELER; (2) THIS DOCUMENT MAY BE COPIED OR REPRODUCED FOR THE CLIENT'S USE ONLY; (3) THE CLIENT SHALL BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF THE INFORMATION, DATA AND DESIGN PROVIDED TO AMEC FOSTER WHEELER; (4) THE CLIENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES; (5) THE CLIENT SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL INFORMATION, DATA AND DESIGN PROVIDED TO AMEC FOSTER WHEELER; (6) THE CLIENT SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL INFORMATION, DATA AND DESIGN PROVIDED TO AMEC FOSTER WHEELER; (7) THE CLIENT SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL INFORMATION, DATA AND DESIGN PROVIDED TO AMEC FOSTER WHEELER; (8) THE CLIENT SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL INFORMATION, DATA AND DESIGN PROVIDED TO AMEC FOSTER WHEELER; (9) THE CLIENT SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL INFORMATION, DATA AND DESIGN PROVIDED TO AMEC FOSTER WHEELER; (10) THE CLIENT SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL INFORMATION, DATA AND DESIGN PROVIDED TO AMEC FOSTER WHEELER.

**LEGEND:**

-  MONITORING WELL
-  HISTORIC FILL CEA LIMITS
-  ASSUMED GROUNDWATER FLOW DIRECTION



REV.	DATE	STATUS	DRFT BY	CHKD BY

Amec Foster Wheeler PROJECT No. 3480160492  
 DRAWING: 3480160492-5710-B100-8788

PREPARED/DATE:  
 STR 06/19/17

CHECKED/DATE:  
 EB 06/30/17

**amec foster wheeler** 

ENVIRONMENT & INFRASTRUCTURE, Inc.  
 200 AMERICAN METRO BLVD, SUITE 113  
 HAMILTON, NEW JERSEY 08619

**EXHIBIT B-1**  
 PROPOSED CLASSIFICATION  
 EXCEPTION AREA MAP  
 PROPOSED CLASSIFICATION EXCEPTION AREA  
 STUDY AREA 6 NORTH, SITE 087  
 JERSEY CITY, NEW JERSEY