

Honeywell
301 Plainfield Road
Suite 330
Syracuse, NY 13212
315-552-9700
315-552-9780 Fax

January 13, 2016

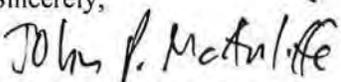
To: Diane Carlton, NYSDEC Region 7 (1PDF)
Holly Sammon, Onondaga County Public Library (1 bound)
Samuel Sage, Atlantic States Legal Foundation (1 bound)
Melissa Lewandowski, Solvay Public Library (1 bound)

Re: Letter of Transmittal – Wastebeds 1-8 Site Document Repository Addition

The below document has been approved by the New York State Department of Environmental Conservation (NYSDEC) and is enclosed for your document holdings:

- Wastebeds 1-8 OU1 Soil Sampling Work Plan dated December 2015

Sincerely,


John P. McAuliffe, P.E. *by CCC*
Program Director, Syracuse

Enc.

cc: Tracy A. Smith – NYSDEC (ec)
Chris Fitch, Communications (ec)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau D
625 Broadway, 12th Floor, Albany, NY 12233-7013
P: (518) 402-9676 | F: (518) 402-9773
www.dec.ny.gov

December 30, 2015

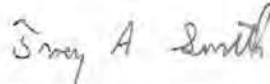
Mr. John P. McAuliffe, P.E.
Honeywell International, Inc.
301 Plainfield Road
Suite 330
Syracuse, NY 13212

Re: Wastebeds 1-8 OU1 Soil Sampling Work Plan

Dear Mr. McAuliffe:

The New York State Department of Environmental Conservation (NYSDEC) has completed its review of the "Wastebeds 1-8 OU1 Soil Sampling Work Plan" (Work Plan) submitted via email from Michael Broschart of O'Brien & Gere on December 28, 2015. Based on our review, the Work Plan is approved. Please send the final version of this work plan to the distribution list. If you have any questions, please contact me at 518-402-9796.

Sincerely,



Tracy A. Smith
Project Manager

ecc: D. Witt, NYSDEC
D. Hesler, NYSDEC
J. Heath, Esq.
C. Waterman
C. Calkins, OBG
B. Kubiak, OBG

R. Nunes, USEPA
H. Warner, NYSDEC
T. Joyal, Esq.
M. Broschart, OBG
S. Miller, Parsons
M. Broschart, OBG

M. Sergott, NYSDOH
J. Shenandoah
A. Lowry
R. Quail, NYSDEC
T. Glazier, O.C.
D. Crawford, OBG



NEW YORK
STATE OF
OPPORTUNITY

Department of
Environmental
Conservation

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January 12, 2015

Mr. Tracy Smith, P.E.
Project Manager
NYSDEC Div. of Environmental Remediation
Remedial Bureau D - 12th Floor
625 Broadway
Albany, NY 12233-7016

**RE: Wastebeds 1-8 OU1 Soil Sampling Work Plan
Town of Geddes, Onondaga County, New York**

Dear Mr. Smith:

Attached please find two copies of the Wastebeds 1-8 OU1 Soil Sampling Work Plan prepared by O'Brien & Gere.

Please contact Michael Broschart of O'Brien & Gere (315-956-6585) or myself if you have any questions.

Sincerely,



John P. McAuliffe, PE
Program Director, Syracuse

by CCC

Enc. (2 copies)

cc:	Robert Nunes	USEPA (1 copy)
	Harry Warner	NYSDEC Reg 7 (1 copy)
	Mark Sergott	NYSDOH (1 copy)
	Margaret A. Sheen, Esq.	NYSDEC, Reg 7 (ec)
	Argie Cirillo, Esq.	USEPA (ec)
	Brian D. Israel, Esq.	Arnold & Porter (ec)
	Travis Glazier	O.C. Office of the Environment (1 copy)
	Joseph Heath, Esq.	(ec)
	Thane Joyal, Esq.	(1 copy)
	Jeanne Shenandoah	Onondaga Nation (1 copy)
	Curtis Waterman	HETF (ec)
	Alma Lowry	(ec)
	Michael Spera	AECOM (1 copy)
	William Hague	Honeywell (ec)
	Steve Miller	Parsons (ec)
	Thomas Conklin	O'Brien & Gere (ec)
	Bradley Kubiak	O'Brien & Gere (ec)
	Douglas M. Crawford	O'Brien & Gere (ec)
	Christopher C. Calkins	O'Brien & Gere (ec)
	Michael B. Broschart	O'Brien & Gere (ec)

This work plan has been developed to describe the methods that will be used to evaluate shallow soils and thickness of existing cover materials in the existing New York State Fair Orange and Brown parking lot areas. Existing data and sample density will be reviewed for other areas of the site as the cover design advances and additional sampling will be conducted as required.

Shallow Soil Sampling

Objective

Shallow soil samples will be collected from the parking lot areas at the locations presented on **Figure 1**, attached, where limited data from historic sampling efforts are available. In accordance with the Wastebeds 1-8 Operable Unit 1 Record of Decision (ROD), analytical data will be compared to commercial soil clean-up objectives (SCOs) in order to confirm the areal extent of the proposed cover system to be applied to the northwestern portion of the Orange parking lot. Analytical data from samples collected from other areas of the Orange parking lot and the Brown parking lot will be compared to commercial SCOs to verify that the existing cover is sufficient.

Shallow Soil Sampling Approach

Up to twenty-two shallow soil samples will be collected and analyzed in accordance with the requirements of the NYSDEC-approved Honeywell Syracuse Portfolio Site Investigations Quality Assurance Project Plan (QAPP) (O'Brien & Gere, 2011) and USEPA Uniform Federal Policy (UFP) QAPP (USEPA, 2005) requirements. The proposed sample locations are presented on **Figure 1**. Samples will be collected from the 0-6 inch interval. The actual sampling locations will be finalized in the field in concurrence with the NYSDEC, based on site conditions.

Shallow soil samples will be collected using a decontaminated stainless steel shovel, trowel, or hand auger. Due to compaction of the sample areas, a backhoe or excavator will be used to loosen soil to facilitate sampling, if necessary. Shallow soils will be transferred to dedicated aluminum pans using dedicated plastic scoops. The samples will be homogenized and transferred to sample containers provided by the laboratory. VOC samples will be collected using a dedicated En Core® sampler, if possible. If site conditions preclude the use of the En Core® sampler, representative grab samples will be collected for VOCs prior to homogenization of the samples. The sample containers will be placed in a cooler containing ice and submitted with appropriate chain of custody documentation to a New York State-certified laboratory for analysis by USEPA SW-846 methods 8260C (VOCs), 8270D (SVOCs), 8081B (pesticides), 8082 (PCBs), 6010C (TAL metals), 7471B (mercury), and 9012B (cyanide). A sample summary matrix is provided on **Table 1**.

Non-dedicated sample equipment will be decontaminated between locations in accordance with the QAPP. An equipment blank will be collected by running distilled water through the decontaminated sample apparatus, and collecting it in appropriate laboratory provided containers.

Test Pits

Up to ten test pits will be advanced at the locations shown on **Figure 1** to verify existing cover thickness. Test pit locations have been selected in areas where limited soil boring data is available. Cover thickness data based on previous soil borings, test pits, and existing monitoring wells is provided on **Figure 2**. The actual test pit locations will be determined in the field in concurrence with the NYSDEC based on site conditions. Test pits will be advanced using a backhoe or excavator to a depth of 2 feet, or until Solvay waste is encountered, whichever is first. Each location will be logged to document the material that is encountered.

Health and Safety

A Job Safety Analyses (JSA) will be prepared that encompasses the safety requirements needed to perform the sampling and will be reviewed by the sample team prior to initiation of sampling.

Reporting

Sample results and test pit logs will be presented in the Remedial Action Work Plan (RAWP) prepared for the 2016 cover placement.

References

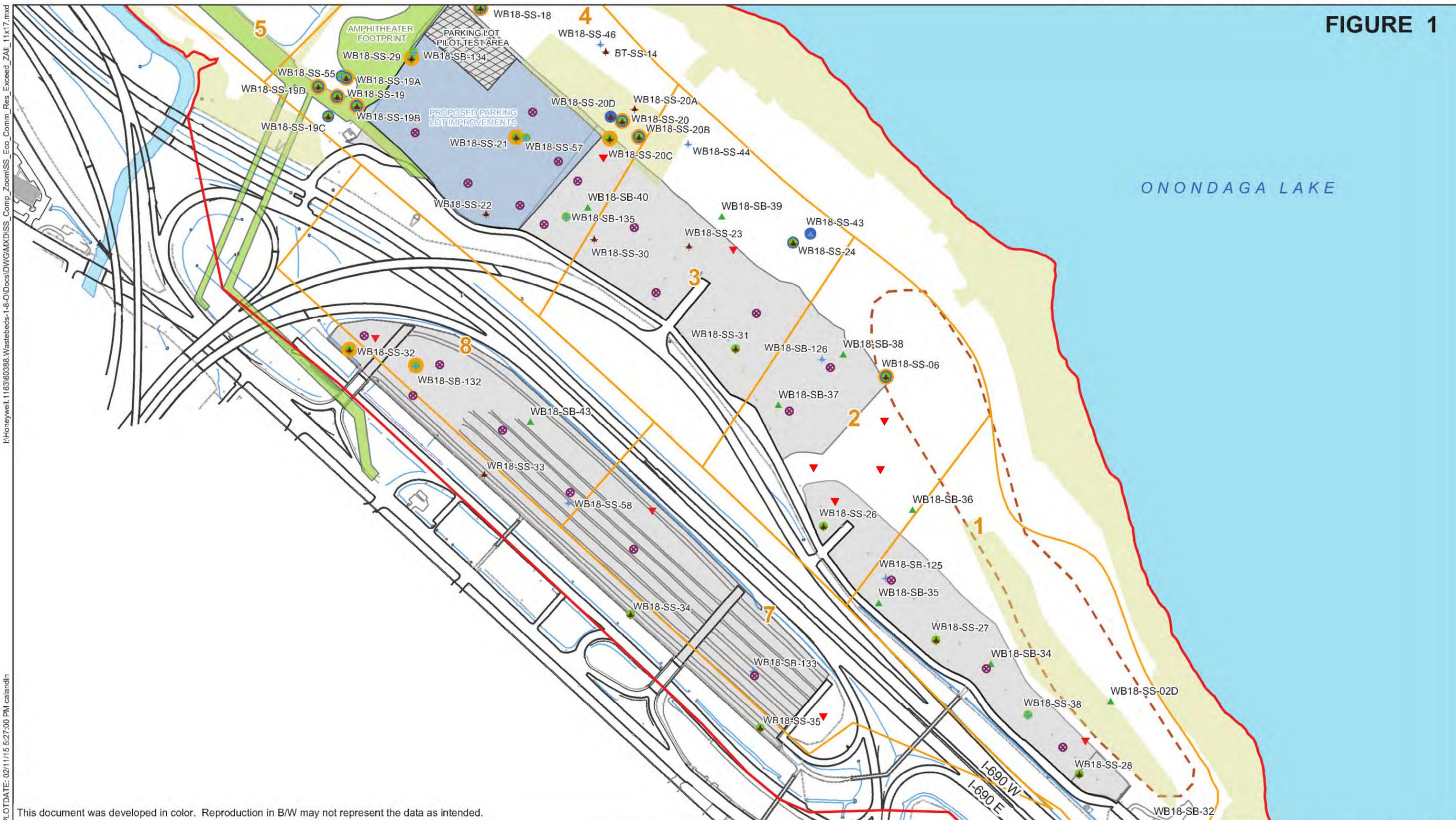
O'Brien & Gere. 2011. *Honeywell Syracuse Portfolio Site Investigations. Quality Assurance Project Plan. Camillus, Geddes, and Syracuse, New York.* O'Brien & Gere Engineers, Inc. Syracuse, New York.

USEPA, 2005. *Uniform Federal Policy for Quality Assurance Project Plans.* United States Environmental Protection Agency, March 2005.

Table 1
Honeywell
Wastebeds 1-8 OU-1 Sampling Plan
Proposed Shallow Soil Sampling
Analytic Summary

Matrix/Analysis	USEPA SW-846 Method	Samples	MS	MSD	Field Duplicates	Equipment Blanks	Trip Blanks	Total Samples
TCL VOCs	8260C	22	2	2	2	2	4	34
TCL SVOCs	8270D	22	2	2	2	2	0	30
PCBs	8082	22	2	2	2	2	0	30
Pesticides	8081B	22	2	2	2	2	0	30
TAL Metals	6010C	22	2	2	2	2	0	30
Mercury	7471B	22	2	2	2	2	0	30
Cyanide	9012B	22	2	2	2	2	0	30
Notes								
All analyses will be performed in accordance with USEPA SW846 methods.								
MS/MSD - Matrix Spike/Matrix Spike Duplicate								

FIGURE 1



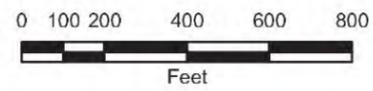
I:\Honeywell_1163160388\Wastebeds-1-8-OU-1\Docs\DWG\MXD\SS_Comp_Zoom\SS_Eco_Comm_Res_Excel_ZAI_11x17.mxd
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LEGEND	
●	RESULTS EXCEEDING RESIDENTIAL SCOs
●	RESULTS EXCEEDING ECOLOGICAL SCOs
●	RESULTS EXCEEDING COMMERCIAL SCOs
★	RI CHROMIUM SURFACE SOIL
★	SURFACE SOIL DATA BELOW SCREENING CRITERIA
▲	EXISTING SOIL BORING
▼	PROPOSED TEST PIT
⊗	PROPOSED SAMPLE LOCATION (DEPTH 0-6 INCHES)
	AREAS ADDRESSED AS PART OF INTEGRATED IRM
	PARKING LOT AREA
	PILOT TEST AREA
	PROPOSED PARKING LOT
	AMPHITHEATER FOOTPRINT
	BIOSOLIDS AREA FOOTPRINT
	APPROXIMATE WASTEBED BOUNDARY
	WASTEBEDS 1-8 SITE

NOTE:
 PART 375 PROTECTION OF ECOLOGICAL RESOURCES IN AREAS WITHIN THE PARKING LOT ARE NOT PROVIDED, AS THESE AREAS ARE NOT SUBJECT TO ECOLOGICAL HABITAT CRITERIA.

HONEYWELL INTERNATIONAL INC.
OU-1 FEASIBILITY STUDY
WASTEBEDS 1-8
GEDDES, NEW YORK

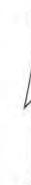


PROPOSED SHALLOW SOIL
SAMPLE LOCATIONS

FILE NO.
 1163.60388
 DATE
 NOVEMBER 2015



FIGURE 2

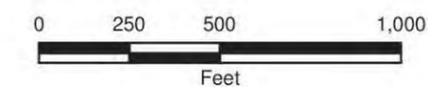


LEGEND

- MONITORING WELL
- PIEZOMETER
- TEST PIT/SOIL BORING (TEST PIT LOCATIONS ARE APPROXIMATE)
- UPPER PARKING LOT
- LOWER PARKING LOT

HONEYWELL
WASTEBEDS 1-8
GEDDES, NEW YORK

WASTEBED 1-8
SOIL BORINGS



DECEMBER 2015
1163.60388



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