

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

April 13, 2015

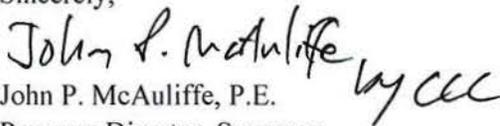
To: Diane Carlton, NYSDEC Region 7 (1PDF)
Holly Sammon, Onondaga County Public Library (1 bound)
Samuel Sage, Atlantic States Legal Foundation (1 bound)
Melissa Lewandowski, Solvay Public Library (1 bound)

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 Operable Unit (OU) 1 Sampling and Analysis Plan dated March 25, 2015 with Revised Figure per NYSDEC Approval Letter dated April 1, 2015

Sincerely,


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

Enc.

cc: Tracy A. Smith – NYSDEC (ltr only)
Chris Fitch, Communications (cov ltr – email)

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

April 1, 2015

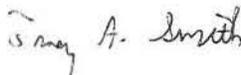
Mr. John P. McAuliffe, P.E.
Honeywell International, Inc.
301 Plainfield Road
Suite 330
Syracuse, NY 13212

Re: WBs 1-8 Operable Unit (OU) 1 Sampling & Analysis Plan

Dear Mr. McAuliffe:

The New York State Department of Environmental Conservation (NYSDEC) has completed its review of the "WBs 1-8 Operable Unit (OU) 1 Sampling & Analysis Plan" (sampling and analysis plan) submitted in your letter dated March 25, 2015. Based on our review, the report is approved conditioned on this letter and the attached revised Figure 1 being inserted into all copies of the sampling and analysis plan that are distributed by Honeywell (including any copies distributed within Honeywell), to its agents (including all contractors working on the design), and to the public, if any. If you have any questions, please contact me at 518-402-9796.

Sincerely,



Tracy A. Smith
Project Manager

ecc: J. Gregg, NYSDEC
J. Shenandoah
A. Lowry
D. Hesler, NYSDEC
D. Crawford, OBG
T. Glazier, O.C.

R. Nunes, USEPA
J. Heath, Esq.
H. Warner, NYSDEC
T. Conklin, OBG
R. Quail, NYSDEC
M. Broschart, OBG

M. Sergott, NYSDOH
T. Joyal, Esq.
C. Waterman
C. Leary, OBG
S. Miller, Parsons
B. Kubiak, OBG

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

March 25, 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 Operable Unit (OU) 1
Sampling & Analysis Plan
Town of Geddes, Onondaga County, NY**

Dear Mr. Smith:

Attached please find 2 copies of the Revised Sampling & Analysis Plan – Wastebeds 1 through 8, Operable Unit 1. The Sampling & Analysis Plan was 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 *by CCC*
Program Director, Syracuse

Enc. (2 copies)

cc:	Robert Nunes	USEPA (ec)
	Harry Warner	NYSDEC Reg 7 (ec)
	Mark Sergott	NYSDOH (ec)
	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 (ec)
	Joseph Heath, Esq.	(ec)
	Thane Joyal, Esq.	(ec)
	Jeanne Shenandoah	Onondaga Nation (ec)
	Curtis Waterman	HETF (ec)
	Alma Lowry	(ec)
	Michael Spera	AECOM (ec)
	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)

This sampling plan has been developed to describe the methods that will be used to evaluate surface soils in areas adjacent to the proposed Onondaga County Lakeview Amphitheater for the initial phase of cover placement at the Wastebeds 1-8 Site in Geddes, NY.

Surface Soil Sampling

Objective

Surface soil samples will be collected from areas adjacent to the proposed Onondaga County Lakeview Amphitheater and the existing Crucible Landfill in those areas that are being evaluated to be included in the initial phase of cover placement in 2015. Samples will not be collected from the areas inside the footprint of the proposed Amphitheater or within the limits of the Crucible Landfill. Analytical data will be compared to soil clean-up objectives (SCOs) in order to evaluate the cover system areal extent and thickness, which will be constructed as part of the Remedial Action.

Surface Soil Sampling Approach

Eleven surface 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 and depth intervals are presented on **Figure 1**. Sample locations have been selected to supplement existing data in areas adjacent to the proposed Amphitheater and in areas that are being evaluated to be covered in 2015. Samples will be collected from the 0-2 inch and 0-12 inch intervals to evaluate the potential for exceedances of the SCOs for the protection of human health and ecological resources. The actual sampling locations will be determined in the field in concurrence with the NYSDEC based on site conditions.

Surface soil samples will be collected using a decontaminated stainless steel shovel, trowel, or hand auger. Surface 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. Prior to homogenization, representative grab samples will be collected for VOCs. 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 8260 (VOCs), 8270 (SVOCs), 8081 (pesticides), 8082 (PCBs), 6010 (TAL metals), 7471B (mercury), 9012 (cyanide), and 9045D (pH). 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.

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 will be presented in the Remedial Action Work Plan (RAWP) prepared for the initial phase of cover placement.

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

Matrix/Analysis	USEPA SW-846 Method	Samples	MS	MSD	Field Duplicates	Equipment Blanks	Trip Blanks	Total Samples
TCL VOCs	8260	11	1	1	1	1	2	17
TCL SVOCs	8270	11	1	1	1	1	0	15
PCBs	8082	11	1	1	1	1	0	15
Pesticides	8081	11	1	1	1	1	0	15
TAL Metals	6010	11	1	1	1	1	0	15
Mercury	7471	11	1	1	1	1	0	15
Cyanide	9012	11	1	1	1	1	0	15
pH	9045	11	1	1	1	1	0	15

Notes

All analyses will be performed in accordance with USEPA SW846 methods.
MS/MSD - Matrix Spike/Matrix Spike Duplicate

FIGURE 1 Revised



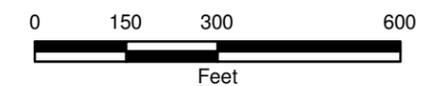
LEGEND

-  0" - 12" SAMPLE INTERVAL
-  0" - 2" SAMPLE INTERVAL
-  0" - 2" AND 0" - 12" SAMPLE INTERVALS
-  HISTORIC SURFACE SOIL SAMPLE LOCATION
-  RI CHROMIUM SURFACE SOIL SAMPLE LOCATION
-  1 FOOT COVER - 2015
-  VEGETATION ENHANCEMENT COVER - 2015
-  AMPHITHEATER FOOTPRINT
-  PARKING LOT AREA
-  APPROXIMATE WASTEBED BOUNDARY
-  WASTEBEDS 1-8 SITE
-  BIOSOLIDS AREA FOOTPRINT

NOTE
ADDITIONAL SAMPLING MAY BE REQUIRED IN THE FUTURE.

HONEYWELL
INTERNATIONAL INC.
OU-1 SAMPLING PLAN
WASTEBEDS 1- 8
GEDDES, NEW YORK

**PROPOSED SURFACE
SOIL LOCATIONS**



MARCH 2015
1163.60388



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