


**MWH**

10 December 2012

Mr. Ghodrat Hiadari  
 Indiana Department of Environmental Management (IDEM)  
 100 N. Senate Avenue  
 Indianapolis, Indiana 46204-2251

Re: Gate 19 Landfill (Site 10, OPP 39-2) Deed Notification  
 Jefferson Proving Ground, Madison, Indiana

Dear Mr. Hiadari:

On behalf of the Department of the Army, enclosed for your records are one compact disk (CD), two double-sided paper copies of the Final Deed Notification, survey plat, and receipts for recording fees paid for the Gate 19 Landfill (Site 10, OPP 39-2) located at the Jefferson Proving Ground (JPG), in Madison, Indiana. Additionally, Table 1 has been provided in Microsoft Excel format on the CD so as property coordinate and elevation information can be loaded into your system.

The survey and Notification were recorded with the Jefferson County Indiana Recorder's Office on (28 November 2012). Included on the survey plat and the Deed Notification is documentation from Jefferson County indicating the recording has been processed. Receipts for the recording fees paid are included as well. The completion of the survey and recording of the Deed Notification hereby satisfy the actions requested by IDEM. Therefore, activities associated with the Gate 19 Landfill are considered complete and no further action is required for the Gate 19 Landfill.

If you have any comments or questions regarding the content of this report, please do not hesitate to contact us at (815)-248-2216 or (248) 522-8304.

Sincerely,

MWH Americas, Inc.

R. Jeff Ramsby  
 Lead Supervising Hydrogeologist

Brigid B. Zvirbulis  
 Task Order Manager

Enclosures: Final Gate 19 Landfill Deed Notification and associated documentation

cc: Mr. Brooks Evens – USACE (1 CD, 1 hard copy of Recorded Survey Plat)  
 File Copy - MWH

RJR/rjr:BTBZ  
 L:\JOBS\100\6616\wp\prt\Gate 19 Deed Restriction\Gate 19 Deed Restriction\_Ghodrat Hiadari.docx

**A NOTATION IS BEING MADE ON THE BELOW DESCRIBED DEED**

**JEFFERSON PROVING GROUND  
GATE 19 LANDFILL  
JEFFERSON COUNTY  
INDIANA**

File No. 2012-05413  
Date 11/28/12  
Time 9:55  
Recorder, Jefferson Co., In.

*Leigh Koehler*  
Leigh Koehler

**LAND DESCRIPTION**

Jefferson Proving Ground was used from 1941 through 1995. The closed Gate 19 Landfill (Site 10, OPP 39-2) is located near the southwest corner of the Jefferson Proving Ground property, north of the firing line, within a 640 acre parcel identified as Parcel No. 39-03-30-000-001.000-010, Map No. 03-30-000-001.000-02, as recorded in the records of Jefferson County at Madison, Indiana.

Boundary markers were installed at the four corners and midpoints of the landfill delineating the engineered landfill cap in January 2012. The property surveyed was provided an approximate 12 foot buffer outside of the boundary markers. The property description included herein for the parcel referred to as Gate 19 Landfill is a break from the above referenced Parcel No. 39-03-30-000-001.000-010 and is more particularly described as follows:

Being part of the Southwest Quarter of Section 30, Township 5 North, Range 10 East, Monroe Township, Jefferson County, Indiana. Commencing at a Mag Nail at the Southwest Corner of Section 30, thence North 89°24'03" East, 840.76 feet with the South Line of said Section to a Calculated Point; thence leaving the South Line of said Section North 02°23'46" West, 1032.31 feet to a 5/8" Rebar and being the POINT OF BEGINNING; thence North 02°23'46" West, 784.32 feet to a 5/8" Rebar; thence North 69°43'19" West, 359.83 feet to a 5/8" Rebar; thence North 84°36'10" West, 339.43 feet to a Mag Spike in a Gravel Driveway; thence South 00°18'09" West, 835.80 feet to a Mag Spike in a Gravel Driveway; thence South 78°15'28" East, 405.49 feet to a 5/8" Rebar; thence South 86°01'17" East, 316.42 feet to the POINT OF BEGINNING. Containing 13.418 acres, and subject to all legal rights of way and easements. The survey is attached.

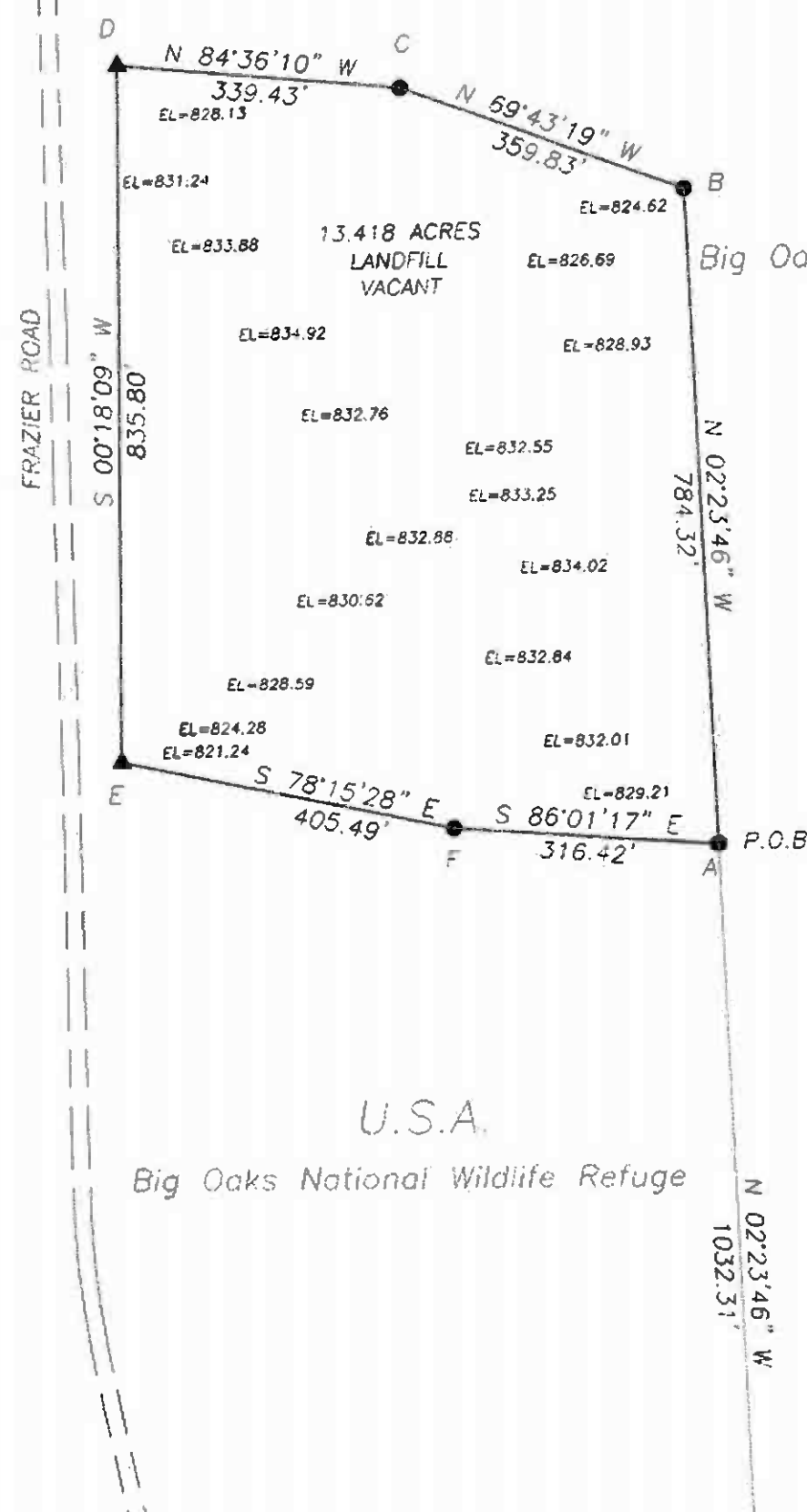
The above property, as described was used as a construction debris landfill with acceptance of construction debris, non-combustible trash, ash, asbestos, paint, and solvents. It operated under operating permit OPP-39-2 from approximately 1960 to 1994. There were no specific deposition cells, with the exception of double-bagged asbestos waste being disposed in the northwestern corner of the landfill. No construction, installation of wells, pipes, conduits, septic systems, or any other excavations shall be done on the above described property without approval by the commissioner of the Solid Waste Management Board of the State of Indiana.

Drainage at the landfill is generally radial from the peak of the landfill. Since the landfill cap was constructed to match and blend into existing topography, there are no engineered drainage structures. A drainage swale does exist along Frazier Road to the west of the landfill. The depth of fill is unknown. Attached is a copy of the original grade plan. During the property survey of

*MWH Americas Inc.  
Jeff Ramsby  
14815 Rowley Rd #700  
Duford IL  
11/20*

the landfill, elevations were measured at 19 locations across the landfill cap and at the 6 pin locations. Survey locations and elevations are summarized in Table 1. There are no permanent features located within the parcel. There are two monitoring wells located within the boundary of the parcel at the southeast corner.

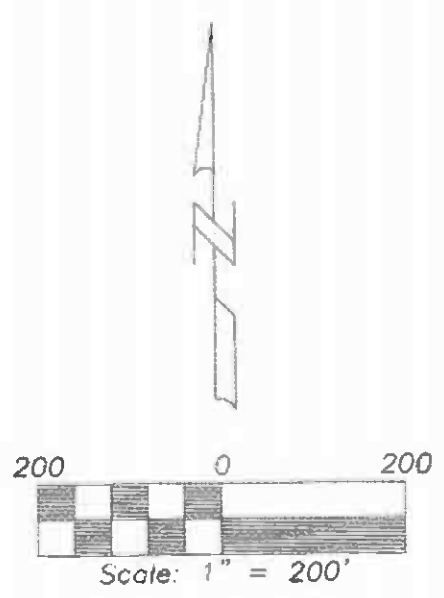
This document is submitted to the Jefferson County Recorder's Office as a notation to the Deed for Parcel No. 39-03-30-000-001.000-010, Map No. 03-30-000-001.000-02. All information is correct according to current knowledge. This instrument does not dispose of United States of America owned land, but adds a notation to the 640 acre parcel to inform future title searchers that the described land, within the 640 acre parcel, was once used as a landfill.



U.S.A.  
Big Oaks National Wildlife Refuge

**LEGEND**

- 5/8" Rebar Set (6" A.G.) (Pettitt Survey)
- ⊙ 5/8" Rebar Fnd (Pettitt Survey)
- X Existing Fence
- Section Line (Jeff. Co. Rec.)
- ⊗ Mag Nail Calc. (Pettitt Survey)
- ▲ Mag Spike Set (1" B.G.) (Pettitt Survey)
- ⊕ Calculated Point (Pettitt Survey)



**DESCRIPTION**

Being a part of the Southwest Quarter of Section 30, Township 5 North, Range 10 East, Monroe Township, Jefferson County, Indiana described as follows:  
Commencing at a Mag Nail at the Southwest Corner of Section 30; thence North 89°24'03" East, 840.76 feet with the South Line of said Section to a Calculated Point; thence leaving the South Line of said Section North 02°23'46" West, 1032.31 feet to a 5/8" Rebar and being the POINT OF BEGINNING; thence North 02°23'46" West, 784.32 feet to a 5/8" Rebar; thence North 69°43'19" West, 359.83 feet to a 5/8" Rebar; thence North 84°36'10" West, 339.43 feet to a Mag Spike in a Gravel Driveway; thence South 00°18'09" West, 835.80 feet to a Mag Spike in a Gravel Driveway; thence South 78°15'28" East, 405.49 feet to a 5/8" Rebar; thence South 86°01'17" East, 316.42 feet to the POINT OF BEGINNING;  
Containing 13.418 acres, and subject to all legal rights-of-way and easements.

**SURVEYOR'S REPORT**

This report is for the Original Survey of a parcel of land located in the Southwest Quarter of Section 30, Township 5 North, Range 10 East, Monroe Township, Jefferson County, Indiana.  
1. In accordance with the Indiana Survey Standards as defined in Indiana Administrative Code 865 IAC 1-12 ("Rule 12"), the following opinions and observations are submitted regarding uncertainties in the locations of the lines and corners established this survey as a result of:  
- Availability, condition and integrity of reference monuments;  
- Record documents,  
- Lines of occupation, and  
- Measurements (Relative Positional Accuracy)  
There may be unwritten rights associated with these uncertainties. The Relative Positional Accuracy in the position of the lines & corners established this survey is within the requirements for a Rural Survey (0.26 feet) plus 200 parts per million.  
Reference Monuments: This survey is tied into a Mag Nail Calculated marking the Southwest Corner of Section 30 (Pettitt Survey), and a Calculated Point marking the Southeast Corner of Section 30, (Pettitt Survey). It is also tied into numerous monuments found from a prior survey done by Fewell, Pettitt, Bender, Housersperger and Associates Dated 11/8/2000, Job No. H00-3552, and a two (2) prior surveys by Pettitt and Associates Dated 8/06/2003, Job No. H03-4313, Dated 7/22/2004, Job No. H04-4686.  
Record Descriptions: A new description was created for this tract.  
Lines of Occupation: From the aforementioned monuments, the property lines were established as shown on this survey plat map.  
1. The within tract does not lie within that Special Flood Hazard Zone A as said tract plots by scale on Community Panel 180104 0002 A of the Flood Insurance Rate Maps for Jefferson County, Indiana.  
2. Ownership shown herein is per County or Township records or as indicated in title work provided by others.  
3. No effort has been made to research or show easement or setback lines on this survey, unless otherwise shown on the plat. If setbacks or easements are shown, there is no guarantee that others do not exist.  
4. All monuments were found or set within +/- 0.3 feet of ground level.

**\*NOTE:**

THE BEARINGS AND DISTANCES SHOWN ARE RELATED TO THE INDIANA STATE PLANE EAST ZONE GRID NORTH AND WERE OBTAINED FROM THE NATIONAL GEODETIC SURVEY (NAD 83). THE SURVEY INFORMATION WAS CALCULATED USING GPS MEASUREMENTS BASED ON COORDINATES TAKEN FROM A STATIC SESSION TAKEN ON 6/28/2012. THE ELEVATIONS SHOWN ARE RELATED TO THE INDIANA STATE PLANE EAST ZONE AND WERE OBTAINED FROM THE NATIONAL GEODETIC SURVEY (NAVD 88 COMPUTED USING GEOID09). THE SURVEY INFORMATION WAS CALCULATED USING GPS MEASUREMENTS BASED ON ELEVATIONS FROM A STATIC SESSION TAKEN ON 6/28/2012.

LETTER	NORTHING	EASTING	ELEVATION
A	1309151.327	386986.9344	828.896
B	1309935.028	386955.8678	825.080
C	1310060.479	386618.6136	826.926
D	1310093.149	386280.7568	825.218
E	1309257.371	386274.5050	820.0957
F	1309173.977	386671.3223	826.6425

ALL UNITS ARE IN U.S. SURVEY FEET.

DULY ENTERED FOR TAXATION  
SUBJECT TO RECEIPT AND ACCEPTANCE  
FOR TRANSFER  
*Robert B. Reed*  
AUDITOR, JEFFERSON CO.  
DATE: 11/28/12

I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT I HAVE TAKEN REASONABLE CARE TO REDACT EACH SOCIAL SECURITY NUMBER IN THIS DOCUMENT, UNLESS REQUIRED BY LAW.  
NAME: JEFF RAMSBY

**SURVEYOR'S CERTIFICATE**

I, the undersigned, a Registered Land Surveyor, in the State of Indiana, hereby certify that on 6/27/2012 a survey was performed by me or personnel employed by me, and under my direct supervision, of property as herein described and monumented, and that this plat is true and correct to the best of my information, knowledge, and belief.

Dated: 6/29/2012  
Job No: H12-6323

*William E. Pettitt*  
William E. Pettitt  
Registered Land Surveyor #LSB0900006

Mag Nail Calc.  
Pettitt Survey  
Southwest Corner  
Sec. 30, T5N, R10E  
Monroe Township  
Jefferson Co., IN

Calculated Point  
Pettitt Survey  
Southeast Corner  
Sec. 30, T5N, R10E  
Monroe Township  
Jefferson Co., IN

BASIS OF BEARING  
PRIOR SURVEY BY  
PETTITT SURVEY  
DATED 7/22/2004  
JOB NO. H04-4686

File No. 2012-05412  
Date 11/28/12  
Time 9:54  
Recorder, Jefferson Co., IN.  
*L. Koenler*  
L. Koenler

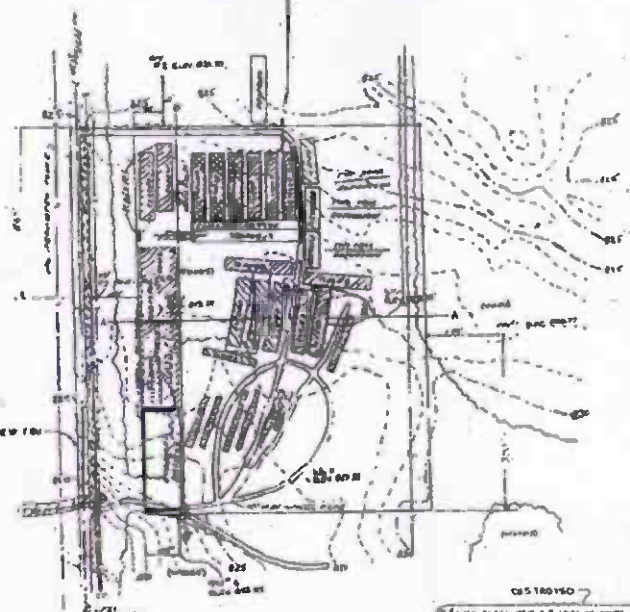
J. Joseph Germano  
Safety/Real Property Officer  
Indiana Army Ammunition Plant  
Base Environmental Coordinator  
Jefferson Proving Ground

NOTARY PUBLIC  
*10/30/2012*

	<b>PETTITT &amp; ASSOCIATES</b> Surveyors Engineers 11 Medical Plaza P.O. Box 412 Hanover, IN 47243 (812) 866-2562 Fax (812) 866-2561	
	CERTIFIED BY: <i>W.E. Pettitt</i> DATE: 6/29/2012	SCALE: 1" = 200' DRAWN BY: EWD CHECKED BY: WEP DATE: 6/29/2012 JOB NO: H12-6323 FOR: MWH ORIGINAL SURVEY OF TRACT IN SEC. 30, T5N, R10E, MONROE TOWNSHIP, JEFF. CO. DRAWING NO:

NO.	DESCRIPTION	DATE	BY
1	PRELIMINARY DESIGN	10/21/82	J.P.
2	REVISIONS	11/1/82	J.P.
3	FINAL DESIGN	1/23/92	J.P.

3/31/82  
 8/1/86  
 1/23/92  
 CH 5/23/2011



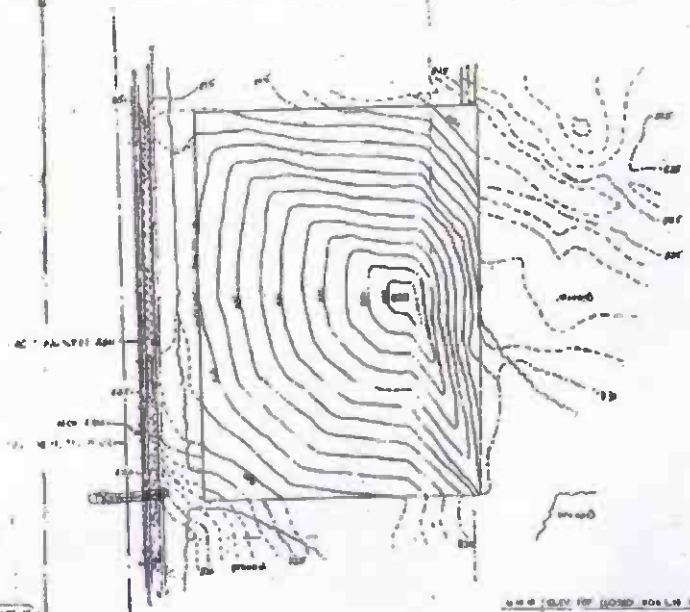
INITIAL GRADE PLAN

- NOTES:
1. ALL GRADES ARE TO BE VERIFIED BY SURVEY.
  2. ALL GRADES ARE TO BE MAINTAINED AT ALL TIMES.
  3. ALL GRADES ARE TO BE MAINTAINED AT ALL TIMES.
  4. ALL GRADES ARE TO BE MAINTAINED AT ALL TIMES.
  5. ALL GRADES ARE TO BE MAINTAINED AT ALL TIMES.
  6. ALL GRADES ARE TO BE MAINTAINED AT ALL TIMES.
  7. ALL GRADES ARE TO BE MAINTAINED AT ALL TIMES.
  8. ALL GRADES ARE TO BE MAINTAINED AT ALL TIMES.
  9. ALL GRADES ARE TO BE MAINTAINED AT ALL TIMES.
  10. ALL GRADES ARE TO BE MAINTAINED AT ALL TIMES.

035100160

WHEN THIS PLAN IS USED FOR CONSTRUCTION, THE ELEVATION OF THE GROUND SURFACE SHALL BE USED AS A BASIS FOR ALL GRADES.

- PROPOSED IMPROVED GRADE
- EXISTING GRADE
- PROPOSED GRADE
- EXISTING GRADE
- PROPOSED GRADE
- EXISTING GRADE
- PROPOSED GRADE
- EXISTING GRADE
- PROPOSED GRADE
- EXISTING GRADE



FINAL GRADE PLAN

NO.	ELEVATION
1	032.0
2	031.00
3	029.5
4	028.0

NO.	DESCRIPTION	DATE	BY
1	PRELIMINARY DESIGN	10/21/82	J.P.
2	REVISIONS	11/1/82	J.P.
3	FINAL DESIGN	1/23/92	J.P.

US ARMY  
 JEFFERSON PROVING GROUND  
 MEMPHIS, TENNESSEE 38151  
**SANITARY LANDFILL  
 PLANS - GATE 19**  
 D 12040 JPG - 1970

# LEIGH K. KOEHLER, JEFFERSON COUNTY RECORDER

MAIN & JEFFERSON  
MADISON, INDIANA 47250

JEFFERSON COUNTY  
RECEIPT FOR PAYMENT

Telephone: 812-265-8903

11/28/2012 9:57AM

Receipt Number: JF008814  
Batch: 112812  
Status: Generated

Source	Paid By	Reference	Amount Tendered
CHECK	JEFF RAMSBY	5087	37.00
			<b>Total Amount Tendered</b>
			<b>37.00</b>

<u>No.</u>	<u>For</u>	<u>Book/Page</u>	<u>File ID</u>	<u>Pgs.</u>	<u>Account Name</u>	<u>Amount Assessed</u>
1	PLAT SURV		I 201205412	1	OTHER FEES	15.00
					SUPPLEMENTAL FEES	3.00
					COUNTY IDENT SEC PROT FUND	0.50
					COUNTY TRAINING FUND	0.50
					COUNTY PERPETUATION FUND	1.00
2	MISC MISC		I 201205413	4	OTHER CR. REF.	0.00
					OTHER FEES	12.00
					SUPPLEMENTAL FEES	3.00
					COUNTY IDENT SEC PROT FUND	0.50
					COUNTY TRAINING FUND	0.50
					COUNTY PERPETUATION FUND	1.00
Revenue Tax 0.00						0.00
						<b>Document Charges</b>
						<b>37.00</b>
						<b>Non-Document Charges</b>
						<b>0.00</b>
						<b>Total Assessed</b>
						<b>37.00</b>
						<b>Amount Tendered</b>
						<b>37.00</b>
						<b>Total Due</b>
						<b>0.00</b>

**Table 1**

**Coordinates and Elevations  
Gate 19 Landfill Survey  
Jefferson Proving Ground  
Madison, Indiana**

<b>Property Pin Locations and Elevations</b>			
<b>Location ID</b>	<b>Northing<sup>(1)</sup></b>	<b>Easting<sup>(1)</sup></b>	<b>Elevation<sup>(2)</sup></b>
A	1309151.327	386986.9344	828.90
B	1309935.028	386955.8678	825.08
C	1310060.479	386618.6136	826.93
D	1310093.149	386280.7568	825.22
E	1309257.371	386274.5050	820.10
F	1309173.977	386671.3223	826.64
<b>Landfill Cap Elevations</b>			
	<b>Northing<sup>(1)</sup></b>	<b>Easting<sup>(1)</sup></b>	<b>Elevation<sup>(2)</sup></b>
	1310038.4	386328.4	828.1
	1309957.4	386387.0	831.2
	1309876.8	386446.8	833.9
	1309915.7	386938.1	824.6
	1309849.6	386877.8	826.7
	1309772.4	386530.6	834.9
	1309750.2	386799.3	828.9
	1309672.5	386601.8	832.8
	1309630.1	386681.0	832.6
	1309571.5	386679.0	833.3
	1309524.2	386564.5	832.9
	1309486.9	386742.7	834.0
	1309447.0	386476.8	830.6
	1309377.6	386816.3	832.8
	1309347.5	386391.0	828.6
	1309286.1	386337.9	824.3
	1309269.3	386311.7	821.2
	1309279.2	386886.5	832.0
	1309213.6	386934.3	829.2

**Notes:**

Survey conducted by Pettit and Associates of Hanover, Indiana on June 27, 2012.

**Footnotes:**

- (1) Coordinates are referenced to the Indiana East Zone Grid North obtained from the National Geodetic Survey (NAD83).
- (2) Elevations are referenced to the Indiana State Plane East Zone obtained from the National Geodetic Survey (NAVD 88 computed using GEOID09).