



ADDENDUM #2

ITB/RFP NUMBER: 2016019-PW-P

Decommissioning, Decontamination & Partial Demolition of the Resource Recovery Facility RFP

DATE: December 28, 2015

TO: All Potential Bidders/Offerors

City of Harrisonburg's RFP, is modified as follows:

On December 22, 2015 at 10:00am the Mandatory Pre-Proposal meeting was held for this solicitation. A copy of the sign-in sheet is attached to this addendum as well as the agenda that was distributed at the meeting.

The following is a summary of the questions posed by Offerors during the Mandatory Pre-Proposal Meeting and site walk on December 22, 2015.

1. Question: Do the red marks throughout the facility indicate features to be removed during the scope of work (SOW) of this project?

Answer: Yes. The red marks were provided as an aid to assist the Offerors in visualizing items and features to be removed. Please be advised that there may be minor adjustments following a final walk through by the City of Harrisonburg possibly after the proposal due date, as the facility will continue to be marked out over time.

2. Question: What is considered "OSHA compliant state or condition"?

Answer: The successful Contractor is to maintain compliance with all prevailing laws, rules, and regulations throughout the execution of the work. This includes complying with OSHA worker protection standards and leaving the facility at an OSHA-compliant state at the conclusion of the project. This includes, but is not limited to, fall protection provisions where fall hazards exist. Examples are where (1) railings were removed or (2) features representing fall protection were removed, or (3) open holes are the result of the partial demolition activities. Railing are to be restored or OSHA compliant access restrictions are to be provided. Holes in floors are to be covered up with secured plates and provided with high-visibility markings identified as "hole". The covers are to be of metal construction and with a sufficient load rating.

3. Question: Are locations where the original condition was compromised as part of the scope of work to be restored "in kind"?

Answer: The Contractor is to attempt replacing such features "in kind". However, it is recognized that this is not always feasible given the age and construction of the facility. Where "in kind" replacements cannot be provided the Contractor is to provide a similar product which will meet the respective intent, install it with professional craftsmanship, and leave it in an esthetically pleasing condition. The Engineer and City of Harrisonburg will approve/deny any "in kind" replacements.

4. Question: Will there be operational restrictions?

Answer: Yes. The tipping floor will remain active as well as access thereto and egress there from by commercial and personal vehicles. In addition to the transfer station or tipping floor, the following will also remain active: high pressure steam line, ROW to cooling tower (North Side of facility), the CISAT plant on the West side of the property and the James Madison University (JMU) maintenance shop on the West side of the property. These areas are to be kept open and not to be compromised during the work. Some of these would add access restrictions on the West Side of the facility to cover the coordination with JMU during demolition. The Engineer and City of Harrisonburg will work with the Contractor to reduce potential adverse impacts. If additional areas need to be impacted, the City and JMU will review facility operation requirements and restrictions with the successful DDD Contractor after the award of the contract.

5. Question: Will the components slated for decommissioning, decontamination, and demolition (DDD) be de-energized?

Answer: The components slated for DDD will be de-energized and locked-out by the City of Harrisonburg. However, the Contractor is to confirm the de-energized state and provide their own lock-out/tag-out (LOTO) devices.

6. Question: Will the first line cuts have been made?

Answer: The City will not make any additional line cuts. The Contractor will be responsible for all line cuts. The Contractor is to confirm the line cuts and respective isolation and take whatever measures necessary to protect human health and the environment during their respective operations and at the conclusion of the project.

7. Question: Are the variable speed drives on the roof to remain and will they have to be protected during demolition?

Answer: The variable speed drives have now been included in the currently solicited SOW. As such, these variable speed drives become property of the Contractor. Please consider the value of these units in the scrap credit on the bid form.

8. Question: Will the instrument controls throughout the facility remain and become property of the Contractor?

Answer: Some of the instrumentation controls will be removed while others will become property of the Contractor. The City Resource Recovery Facility (RRF) staff will review the instrument control devices with their instrument control contractor. The final identification of which ones will become property of the Contractor has not been made and will likely not be made prior to the due date of the solicitation. A list will be released prior to March 1, 2016 identifying those devices that will be part of the demolition and those that will be removed by the City. The instrumentation controls left in the facility at the time of contract award (unless otherwise identified) will become property of the Contractor. The Contractor is to use their best professional judgment with respect to the scrap credit requested on the Lump Sum Proposal Form (Appendix P).

9. Question: What will be the process if the DDD activities require structural modifications to the facility?

Answer: In the event that structural modifications to the facility are required for the execution of the DDD activities, the Contractor is to provide calculations and drawings stamped and sealed by an

appropriately licensed Professional Engineer for review. Please be advised that a review (and potential approval) of structural modifications will require sufficient time. Please consider this in your proposed project schedule.

10. Question: Is the lime silo empty?

Answer: Yes. Bulk quantities have been removed from the lime silo. Residual hydrated lime quantities may remain in the silo and some of the pneumatic distribution components for this operation. Their management will be the responsibility of the Contractor.

11. Question: Is the demolition of the Carbon Shack included in the current SOW?

Answer: Yes.

12. Question: Will the Contractor have to apply for and obtain the demolition permit?

Answer: Yes. The Contractor is to apply for and to obtain all permits required for the execution of the work under this solicitation. Copies of the filings and actual permits are to be provided to the City of Harrisonburg and the Engineer. The City will waive the cost of the required permit.

13. Question: Will the Contractor be responsible for waste disposal?

Answer: Yes. The Contractor will be responsible for the appropriate characterization, packaging, transportation, and disposal of all wastes generated under this solicitation. The City of Harrisonburg will be the Generator of the wastes. The Contractor is to maintain all appropriate documentation associated with the management of ALL wastes (including scrap) and provide it to the Engineer and City of Harrisonburg.

Waste characterization information as it currently exists can be found in Appendix C. Closure Plan of the RFP document (pages 40-45 of the separate PDF document) and also on page 10 of this addendum. Here is a brief summary:

Samples of ash residues were collected from distinct points along the Resource Recovery Facility (RRF) process to define ash characteristics for each grouping of waste streams/operational units. The following operational units contain hazardous ash residue and must be handled according to hazardous waste procedures set forth in the Closure Plan:

- MWCU #2 Waste Heat Boiler and Hoppers B-1, B-2, B-3, and B-4
- MWCU #2 Ash Conveyor No. 3
- MWCU#1 and MWCU#2 Economizer and Hoppers E-3 and E-4
- MWCU#1 and MWCU#2 Flue Gas Duct from Economizer to Reactor
- MWCU#1 and MWCU#2 Ash Conveyor No. 8
- MWCU#1 and MWCU#2 Reactor

Residual ash representative of the above-listed components contain levels of cadmium which exceed regulatory thresholds set forth in 40 CFR 261.24 which are used to define a solid waste as “hazardous”. Please refer to the Summary Table on page 10 of this addendum for detailed analytical results. The waste streams/operational units to which these results apply are identified in Appendix C. Closure Plan of the RFP document.

Please be advised that this solicitation is a performance-based contract and that the Contractor is responsible for compliance with the project documents including the requirements and criteria set forth in the Closure Plan. Also, as stated, the methods listed in the Closure Plan are intended to serve as guidance; however the ultimate achievement of compliance with the provisions of the Closure Plan is the responsibility of the Contractor.

14. Question: Can wastes generated during the execution of the SOW be incorporated into the wastes handled at the tipping floor?

Answer: ABSOLUTELY NOT! The activities conducted at the tipping floor are permitted for residential municipal wastes only. No wastes generated as a result of this solicitation are to be comingled with the materials on the tipping floor.

15. Question: What is the fate of the crane and its attachments?

Answer: The crane is not part of this SOW. The attachments (grapples) are to be disconnected and cleaned by the Contractor in accordance with the project documents but will remain property of the City of Harrisonburg. To facilitate the cleaning of the attachments the City of Harrisonburg will lower them to the ground level.

16. Question: Is the Contractor to provide structural engineering assessments and rigging plans?

Answer: Please refer to the response to Question No. 9 above. Furthermore, the Contractor is to conduct demolition surveys as required by laws, rules, and regulations. Rigging plans are to be developed as needed and provided to the Engineer and City of Harrisonburg for review. Please be advised that pertinent documentation of inspections, registrations, and certifications are to be provided to the Engineer and the City of Harrisonburg prior to the arrival and use of any crane to be used at the site. Similarly, appropriate documentation pertaining to the crane operator is also to be provided prior to arrival at the site.

17. Question: Will you allow for price modifications (add/deduct) on the outside of the proposal submission envelope?

Answer: No.

18. Question: Does the facility contain any asbestos?

Answer: To the best of our knowledge, there is no asbestos in the site.

19. Question: Are the Opacity and Continuous Emissions Monitors components located on the facility smoke stack part of the demolition?

Answer: At this time these are not part of the SOW.

20. Question: How thick is the refractory walls in the municipal waste combustors? Also, how thick is the insulation behind the refractory?

Answer: The refractory walls are between 5" to 12" and the insulation is between 2" to 4".

All other requirements, terms and conditions of the ITB/RFP remain unchanged.

Addendum page must be signed and returned with your bid/proposal to acknowledge receipt of this addendum.

Authorized Signature

By: Pat Hilliard, CPPB
Procurement Manager

**Note: All references to "bid" shall be replaced with "proposal". All references to "Bidder" shall be replaced with "Offeror".*

AGENDA
MANDATORY PRE-BID MEETING
REQUEST FOR PROPOSAL NO. 2016019-PW-P
“Decommissioning, Decontamination, and Partial Demolition of Resource Recovery Facility”
1630 Driver Drive, Harrisonburg, VA
December 22, 2015 – 10:00 am EST

- **WELCOME & INTRODUCTION**

- **Sign-in of ~~Perspective~~ ^{Prospective} Bidders**

- **Review of Key Elements**

- **Bid & Project Schedule**

- Release of RFP December 10, 2015
- Mandatory Pre-bid Meeting December 22, 2015
- Last Day for Questions January 12, 2016 (Noon EST)
- Bid Closing January 21, 2016 (4 pm EST)
- Proposal Evaluation and Agreement Negotiations January 22 – February 8, 2016
- Award of Agreement February 9, 2016
- Contractor to Submit Required Plans & Documentation February 12 – February 22, 2016
- Notice To Proceed and Contractor Mobilization March 1, 2016
- Completion of Work September 6, 2016 (or earlier)

- **Bid Sheet & Instructions**

- Bid Sheet MUST be completed and Bid MUST be signed
- All required information MUST be provided and attached
- Bid to be labeled: *“Sealed Bid: Decommissioning, Decontamination, and Partial Demolition RFP ~~201609~~ ²⁰¹⁶⁰¹⁹-PW-P”*
- Three (3) IDENTICAL paper copies and one (1) IDENTICAL electronic copy to be mailed or hand-delivered to: *City of Harrisonburg -*

AGENDA
MANDATORY PRE-BID MEETING
REQUEST FOR PROPOSAL NO. 2016019-PW-P
“Decommissioning, Decontamination, and Partial Demolition of Resource
Recovery Facility”
1630 Driver Drive, Harrisonburg, VA
December 22, 2015 – 10:00 am EST

*Purchasing Office, 409 South Main Street, Third Floor, Harrisonburg, VA
22801*

- Last Day for Questions January 12, 2016 (Noon EST)

- **Questions/Inquiries**

Questions/inquiries will have to be submitted in writing to:

- Email: Purchasing@harrisonburgva.gov
- Fax: (540) 432-7779

Responses to questions/inquiries will be posted as addenda on:

- www.harrisonburgva.gov/bids-proposals **and on**
- eVA at www.eva.virginia.gov

- **Work Requirements**

- Pre-work requirements (i.e. work plans, HASP, licenses, certifications, training, etc.)
- Safety is paramount!
- Tracking and reporting requirements

- **Site Tour**

- **Optional Return Visit Date**

- One (1) return visit date for interested Bidders will be scheduled (~~if~~
~~requested~~)

- **Adjourn**

ATTENDANCE SIGN-IN SHEET

MANDATORY PRE-BID MEETING REQUEST FOR PROPOSAL NO. 2016019-PW-P

“Decommissioning, Decontamination, and Partial Demolition of Resource Recovery Facility”

1630 Driver Drive, Harrisonburg, VA

December 22, 2015 – 10:00 am EST

ID	Firm Name & Address	Name & Signature of Representative	Email Address	Phone Number	Fax Number
1	R.E. Pierson 426 Swardesboro Rd. Alesgrove, VA 08062	Darryl Mease	dmease@repdena.com	609-839-0032	856-769-5630
2	Southern Env. Services, Inc. P.O. Box 5917 Richmond, VA 23220	KEITH CROMAN	Kroman@Southernenv.com	804-257-7900	804-254-1017
3	NEUSE Environmental 42 Ridge Ave PA	MIKE DUTKY	Mikedutky@newberenv.com	215-518-8129	—
4	Stryker Demolition & Environmental Services	Mark Klotzbach	Mark.Klotzbach@Strykerds.com	484-581-7428	484-581-7431
5	Jim Haltigan Senco Services Inc Stanton VA 24401	Jim Haltigan	Jim@sencoservices.com	540-885-7480	540-885-7690
6	WEL, Inc. P.O. Box 109 Concord, VA 24538	Bob Frye	bob.frye@welinc.com	540-662-2200 434-993-2210	434-993-2211
7	D.H. Griffin Wrecking 1405 Valley Road Richmond, VA 23222	Tyler Bivins	TBIVINS@DPHGRIFIN.com	804-254-1030	804-254-1033

Bidder(s) will be precluded from responding to the captioned RFP unless representation of a respective Bidder is established through this Sign-In Sheet during the Pre-bid Meeting on December 22, 2015 – 10:00 am EST

ATTENDANCE SIGN-IN SHEET
MANDATORY PRE-BID MEETING
REQUEST FOR PROPOSAL NO. 2016019-PW-P
"Decommissioning, Decontamination, and Partial Demolition of Resource Recovery Facility"
 1630 Driver Drive, Harrisonburg, VA
 December 22, 2015 – 10:00 am EST

ID	Firm Name & Address	Name & Signature of Representative	Email Address	Phone Number	Fax Number
8	POTOMAC ENVIRONMENTAL INC. PO BOX 1836, STAFFORD, VA 22553	GARY FIELDS <i>Gary Fields</i>	garyfields@potomacenv.com	540-943-4400	888-338-4401
9	Brandenburg 2217 Spillman Dr Bethlehem PA 18015	Jascho Harshman <i>Jascho Harshman</i>	harjes@brakelands.com	610-972-6725	800-758-6977
10	KSELLSTROM & LEE 1607 GUNBY LANE RICHMOND, VA 23220	ANDREW APPERSON <i>Andrew Apperson</i>	AAPPERSON@KSELLSTROM AND LEE.COM	804-288-0082	804-288-4288
11	C.S.E. INC. 153 OLD RAGLAND RD MADISON HEIGHTS VA	STEVE BURTON <i>Steve Burton</i>	STEVE.BURTON@CSECONLINE .NET	434-455-2231	
12	TIER Environmental 5745 Lippin Hwy GFP	Michael Hanth <i>Michael Hanth</i>	mhanth@tierde.com	717-492-4400	717-442-6336
13					
14					

Bidder(s) will be precluded from responding to the captioned RFP unless representation of a respective Bidder is established through this Sign-In Sheet during the Pre-bid Meeting on December 22, 2015 – 10:00 am EST

Summary Table - Waste Characterization Results
 City of Harrisonburg
 Resource Recovery Facility Closure

1630 Driver Drive
 Harrisonburg, VA

Location	Waste Stream No.	Units	TCLP Threshold	COH01	COH02	COH03	COH04	COH05	COH06	COH07	COH08	COH09	COH10	COH11	COH13	COH14	COH15	COH16	COH17	COH18	COH19	COH20	COH21	COH22	COH23	COH24	COH25	COH26	COH27	COH28	COH29	
				MWCU #1 Primary Combustor Bottom Ash	MWCU #1 Primary Combustor Slag/Refractory	MWCU #1 Primary Combustor Fly Ash	MWCU #1 Secondary Combustor Slag/Refractory	MWCU #1 Secondary Combustor Fly Ash	MWCU #2 Primary Combustor Slag/Refractory	MWCU #2 Primary Combustor Fly Ash	MWCU #2 Primary Combustor Bottom Ash	MWCU #2 Secondary Combustor Slag/Refractory	MWCU #2 Secondary Combustor Fly Ash	MWCU #1 Crossover Duct Work Fly Ash	MWCU #1 Crossover Duct Work Slag/Refractory	MWCU #2 Crossover Duct Work Slag/Refractory	MWCU #2 Crossover Duct/Heat Boiler Inlet Fly Ash	MWCU #1 Waste Heat Boiler and Hoppers Fly Ash	MWCU #2 Waste Heat Boiler and Hoppers Fly Ash	MWCU #1 Economizer and Flue gas duct Fly Ash	MWCU #2 Economizer and Flue gas duct Fly Ash	MWCU #1 Reactor Fly Ash	MWCU #2 Reactor Fly Ash	MWCU #1 Baghouse Hopper Fly Ash	MWCU #2 Baghouse Hopper Fly Ash	MWCU #1 Quench Tank, Conveyor, Roll-off container Bottom/Fly Ash	MWCU #2 Quench Tank, Conveyor, Roll-off container Bottom/Fly Ash	MWCU #1 Stack	MWCU #2 Stack	MWCU #2 Stack	MWCU #2 Stack	Fly Ash Silo
Date Sampled				8/5/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/5/2015	8/6/2015	8/5/2015	8/6/2015	8/6/2015	8/6/2015	8/4/2015	8/5/2015	8/4/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015		
TCLP RCRA Metals 6010B (Mercury 7470A)																																
Arsenic	mg/l	5	0.0082 J	0.0238	0.0096 J	0.0170 J	0.0488	0.021	0.0129 J	< 0.0070	0.02	0.12	0.0619	0.0103 J	0.0121 J	0.124	0.0266	0.0342	0.0159 J	0.0114 J	0.0114 J	< 0.0070	0.0150 J	< 0.0070	< 0.0070	< 0.0070	NA	NA	NA	NA	NA	
Barium	mg/l	100	1.07	0.0865	0.389	0.12	0.368	0.322	0.228	0.474	0.107	0.242	0.64	0.137	0.052	0.195	0.344	0.484	0.285	0.289	0.308	0.409	1.02	1.08	0.259	0.302	NA	NA	NA	NA	NA	
Cadmium	mg/l	1	0.00067 J	0.0026 J	< 0.00030	0.0192	< 0.00030	0.0063	0.269	0.0145	0.0145	0.0145	< 0.00030	0.0063	0.0020 J	< 0.00030	0.0158	1.29	2.36	5.1	3.48	3.61	0.552	0.379	0.0355	0.332	NA	NA	NA	NA	NA	
Chromium, Total	mg/l	5	0.314	0.0046 J	2.35	0.0226	2.63	0.0070 J	0.249	0.0028 J	0.0221	1.36	2.54	0.0072 J	0.0031 J	1.64	1.33	1.56	0.347	0.0107	0.0957	0.0917	0.0029 J	0.0033 J	0.0281	0.0052 J	NA	NA	NA	NA	NA	
Lead	mg/l	5	0.0155	0.0123 J	< 0.0051	0.0226	< 0.0051	0.0081 J	0.0876	0.0798	< 0.0051	< 0.0051	< 0.0051	0.0120 J	0.0077 J	< 0.0051	0.0054 J	0.0862	0.162	0.266	0.475	0.282	0.0851	0.0357 J	0.0168	0.16	NA	NA	NA	NA	NA	
Mercury	mg/l	0.2	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.0296	< 0.00005	0.000064 J	0.00045	< 0.00005	0.00011 J	0.0057	0.0014	0.0147	0.0072	NA	NA	NA	NA	NA	
Selenium	mg/l	1	< 0.0082	< 0.0082	0.0111 J	< 0.0082	0.0111 J	< 0.0082	0.0096 J	< 0.0082	< 0.0082	< 0.0082	< 0.0082	< 0.0082	< 0.0082	< 0.0082	0.064	0.0332	0.0591	0.0434	0.0379	0.0117 J	< 0.0082	< 0.0082	< 0.0082	NA	NA	NA	NA	NA		
Silver	mg/l	5	< 0.0014	0.0179 J	< 0.0140	< 0.0140	< 0.0140	< 0.0140	< 0.0140	< 0.0140	< 0.0140	< 0.0140	< 0.0140	< 0.0140	< 0.0140	< 0.0140	0.0057	0.0052	0.0172	0.0076	0.0188	< 0.0014	0.0044 J	0.0022 J	< 0.0014	NA	NA	NA	NA	NA		
Total RCRA Metals 6010B																																
Arsenic	ug	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.580	< 0.580	< 0.580	< 0.580	18.9
Barium	ug	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.23	3.46	3.57	1.94	525
Cadmium	ug	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0530 J	0.0690 J	0.0770 J	< 0.0430	60.1	
Chromium	ug	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.574 J	1.57	1.86	1.74	1.780
Lead	ug	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.410 J	0.733 J	0.912 J	0.331 J	824	
Selenium	ug	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.830	< 0.830	< 0.830	< 0.830	56.5
Silver	ug	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.120	< 0.120	< 0.120	< 0.120	30.8
TCLP SVOCs 8270 C																																
1,4-Dichlorobenzene	mg/l	7.5	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,4-Dinitrotoluene	mg/l	0.13	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Hexachlorobenzene	mg/l	0.13	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Hexachlorobutadiene	mg/l	0.5	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Hexachloroethane	mg/l	3.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1-Methylphenol	mg/l	200	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
3-Methylphenol	mg/l	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
4-Methylphenol	mg/l	200	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrobenzene	mg/l	2.0	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Nitrochlorophenol	mg/l	100	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Pyridine	mg/l	5.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,4,5-Trichlorophenol	mg/l	400	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,4,6-Trichlorophenol	mg/l	2.0	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TCLP Herbicides 8151A; Pesticides/PCBs 8081A																																
2,4-D	mg/l	10	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	0.092	< 0.016	< 0.016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,4,5-TP	mg/l	1.0	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gamma BHC - Lindane	mg/l	0.4	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chlordane	mg/l	0.03	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Endrin	mg/l	0.02	< 0.000040	< 0.000040	< 0.000040	< 0.000040	< 0.000040	< 0.000040	< 0.000040	< 0.000040	< 0.000040	< 0.000040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Heptachlor	mg/l	0.008	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Heptachlor Epoxide	mg/l	0.008	< 0.000012	< 0.000012	< 0.000012	< 0.000012	< 0.000012	< 0.000012	< 0.000012	< 0.000012	< 0.000012	< 0.000012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methoxychlor	mg/l	10	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Toxaphene	mg/l	0.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Notes:
 J - estimated value > or = the Method Detection Limit and the < Limit of Quantitation
 NA - Not analyzed
 MWCU - Municipal Waste Combustion Unit
 above threshold value

For each of the samples described below, laboratory analysis indicated levels of Cadmium above the values indicated in Table 1 of 40 CFR 261.24. This table indicates the threshold value for a material to be considered non-hazardous. Since the samples listed below displayed levels of Cadmium in excess of the Table 1 values, the material is considered hazardous based on its toxicity.

Waste stream 9 sample – Municipal Waste Combustion Unit 2
 This sample is a composite of 1 sample from the boiler inlet, one from the boiler outlet, 1 from each of 2 side doors, and 1 sample from each of the 4 bottom hoppers.

Waste