



Upper Occoquan Service Authority

Leader in Water Reclamation and Reuse

14631 COMPTON ROAD, CENTREVILLE, VIRGINIA 20121-2506
(703) 830-2200

August 28, 2020

TO ALL IFB RECIPIENTS:

For UOSA IFB 21-07 Provide Bulk Refuse, Grit and Screenings Removal

SUBJECT: Addendum # 1

The above numbered solicitation is amended as set forth below. The hour and date specified for receipt of offers:

☒ is not extended

☐ is extended

OFFERORS MUST ACKNOWLEDGE receipt of this Addendum by one of the following methods:

- a. By acknowledgement of this Addendum on Submission Form submitted with the proposal;
- b. By referencing its receipt in your Transmittal Letter

If by virtue of this Addendum you desire to change a proposal already submitted, such change may be made by letter, provided it includes reference to the solicitation and this Addendum and is received prior to the due hour and date specified.

DESCRIPTION OF ADDENDUM:

The version of the Bid Summary Sheet included with the IFB (Attachment D) had test data populated in the Acrobat form that was not cleared before release and had incorrect average weights listed for the 2 & 4 CY containers. The attached Bid Summary Sheet has been cleared of test data, has the average weights corrected and shall replace the original version included with the IFB in its entirety. The revised bid sheet has been provided as Attachment #1 in a separate PDF document.

All other Terms, Conditions, Tables, Charts and Specifications, and Drawings not otherwise changed remain as originally stated or as shown.

ISSUED BY:

Upper Occoquan Service Authority

A handwritten signature in black ink, appearing to read 'Dustin Baker', is written over a horizontal line.

Dustin Baker, Senior Buyer

08/28/2020

Date

UOSA IFB 21-07 Addendum #1, Attachment #1

Attachment D - Bid Summary Sheet

Prices bid shall contain all surcharges, tipping fees, environmental fees, etc. UOSA will only accept and pay one fixed price per container. No additional fees submitted with the invoice will be accepted. Any such fees submitted with the invoice will be subtracted from the total amount shown on the invoice. Any and all additional fees not submitted with this bid submission must be requested in writing to the UOSA Purchasing Department and authorized before being applied to any invoice. In the event of discrepancies between unit prices and calculated totals the unit pricing shall prevail.

Item	Description of goods/services:	Quantity To Pick up (Est.)	Unit Price per collection	Yearly Total	Monthly Invoice Amount (Yearly Total/12)	Increase/Decrease in cost per container for alternate site
1.	Two (2) cubic yard containers (Grit and Screenings at an average weight of 1504 lbs. per container)	858 / year	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
2.	Four (4) cubic yard containers (Screenings at an average weight 1880 lbs. per container)	910 / year	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
3.	Four (4) cubic yard container (MSW – office trash)	156 / year	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
4.	Eight (8) cubic yard container (MSW – office trash)	312 / year	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
5.	Eight (8) cubic yard container (SSR)	104 / year	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
6.	Fixed Monthly Invoice Amount (lines 1-5)				\$	
PERMANENT ON-SITE ROLL-OFF CONTAINER (on-call pickup)						
7.	30 Cubic Yard Roll-Off - General Debris Including 4 tons weight	12 / year est.	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
8.	30 Cubic Yard Roll-Off - Wood Including 4 tons weight	12 / year est.	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
9.	20 Cubic Yard Roll-Off (Metal) Including 4 tons weight	12 / year est.	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
10.	Estimated Yearly Total (lines 1-5, 7-9)*			\$		

*contract award to be based on line 10 yearly total above

TEMPORARY ON-CALL ROLL-OFF CONTAINERS - (as needed)				
11.	On-call Roll-Off - General Debris/Construction Materials (including up to 4 tons weight)	10 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
		20 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
		30 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
12.	On-call Roll-Off w/ liner - Non-Hazardous Water Treatment Material (e.g. ERP Dredgings, Spent Activated Carbon, SulfaTreat) (including up to 4 tons weight)	10 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
		20 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
		30 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
13.	On-call Roll-Off – Fill Dirt/Mixed Brush (including up to 4 tons weight)	10 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
		20 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
		30 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$

Indicate charge for container weights in excess of 4 tons: \$_____ per ton.

Monthly charge for Flat Branch Pump Station Service (8CY MSW collected once per week) See section 2.4 \$ _____

Performance Bond Cost (See Section 2.6) equaling 50% of annual contract price: \$ _____

Indicate whether any processing fees will apply to credit card payments: ☐ yes ☐ no. If yes indicate fee: _____

In compliance with this Invitation for Bids and to all the terms, conditions, and specifications imposed therein and hereby incorporated by reference, the undersigned offers and agrees to furnish the goods and/or services described herein.

Company Name: _____ Authorized Signature: _____ Date: _____

Printed Name: _____ Title: _____ Phone Number: _____

This form must be included with your submission.

End of Attachment D



UPPER OCCOQUAN SERVICE AUTHORITY
Invitation for Bid

IFB #21-07

**Provide Bulk Refuse, Grit, and Screenings Removal and
Recycling Services**

Issued by:

Purchasing Department
14631 Compton Road
Centreville, Virginia 20121-2506
Tel: 703-830-2200
Fax: 703-830-5934
E-mail: purchasing@uosa.org

Date Issued:	Wednesday, August 19, 2020, 2:00 PM
Mandatory Site Tour (see section 1.3 for exemption information):	Monday, August 31, 2020, 10:00 AM
Deadline For Questions:	Thursday September 3, 2020, 5:00 PM
Submittals Must be Received On Or Before:	Wednesday, September 16, 2020, 2:00 PM

NOTICE: Firms who have received this solicitation package from a source other than UOSA's Purchasing Office should immediately contact UOSA's Purchasing Department and provide their name and mailing address in order that addendums to this solicitation or other communications can be sent to them. Firms who fail to notify the Purchasing Office with this information assume complete responsibility in the event that they do not receive communications prior to the closing date.

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SECTION 1

1 SUMMARY INFORMATION AND SUBMISSION OF BIDS

1.1 Introduction

The Upper Occoquan Sewage Authority (UOSA) is a public body politic and corporate organized under the Virginia Water and Waste Authorities Act. UOSA was created by the concurrent actions of its member jurisdictions and chartered by the State Corporation Commission of Virginia on April 1, 1971. The member jurisdictions include the Counties of Fairfax and Prince William and the Cities of Manassas and Manassas Park. UOSA is located in Fairfax County and currently employs approximately 180 individuals. UOSA currently owns and operates an advanced water reclamation plant with a capacity of 54 million gallons per day (“mgd”) and a regional system of interceptor sewer lines, pump stations and force mains that deliver sewage from the four member jurisdictions to the treatment plant.

1.2 Objective

The objective of this Invitation for Bid (IFB) is to award a term contract for bulk hauling and disposal of refuse, Grit and Screenings, and recyclable materials to the lowest responsive and responsible bidder meeting all requirements of this Invitation for Bids.

1.3 Pre-Bid Meeting and Site Tour

UOSA will conduct a bidder meeting and site tour/survey for all interested bidders to familiarize themselves with the requested services and to give all potential bidders an opportunity to collect necessary data and to seek answers to any questions which they may have concerning this service.

UOSA will conduct a site tour and inspection immediately following the pre-bid meeting. This will be the only scheduled time available for a site visit. UOSA requires that all questions as a result of the site visit be submitted to UOSA Purchasing Department in writing by the Deadline for Questions date shown on the cover sheet of this document. All written questions will be answered via an addendum; no oral changes will be considered.

Attendance at this meeting and site tour is **mandatory** unless the Bidder currently employs a representative that has attended a UOSA pre-bid meeting and site tour held for past refuse disposal solicitations. Representatives will be required to sign a register as the representative of the named firm. Failure to attend the mandatory pre-bid meeting and site tour (unless exempt) will result in bidder disqualification. The meeting will be held at the location and time listed on the cover sheet of this Invitation for Bid (IFB).

1.4 Questions and Communications

All contact between prospective Bidders and UOSA with respect to this solicitation will be formally held at scheduled meetings or in writing through the Purchasing Department. Questions concerning this solicitation are due by the deadline for questions shown on the cover page. Misinterpretation of specifications shall not relieve the Contractor(s) of responsibility to perform. Substantive questions must be submitted in writing via mail, express mail, e-mail, fax, etc., to the attention of the Purchasing Agent listed on the cover page, by the deadline also specified on the cover page. Questions submitted after the deadline will not be answered. All properly submitted substantive questions will be responded to in writing, in the form of an Addendum to the solicitation. Failure to submit questions or to otherwise seek clarification(s) by the deadline for submitting questions shall constitute a waiver of any potential claim by the Bidder/contractor.

Communications between prospective Bidders, their agents and/or representatives and any member of UOSA other than as authorized herein, concerning this solicitation are prohibited. In any event and in all circumstances, unauthorized communications cannot be relied upon.

1.5 Contract Period

The initial term will be three (3) years. Annual renewals during this 3-year period will not be automatic and will be based on performance during the prior contract year and any economic price adjustments requested for the upcoming contract renewal term. (See Item 4.2 *Price Firm Period and Cost Increases* in the attached Standard Terms and Conditions). Once the price is agreed upon it shall remain firm and fixed for the term of the new contract period.

UOSA shall have the option to extend the Contract for four additional one (1) year periods after the initial three year contract term, contingent upon past performance, acceptance of any annual price increases and availability of funds for the purpose. The total contract term shall not to exceed seven (7) years.

Each contract period will be evidenced by the issuance of a contract renewal form.

1.6 References

Include not less than four references for services of similar scope and size as identified in this IFB. References must include the following minimum information: contact persons, telephone numbers and email addresses and location where the services are being/were performed. All references must be within the last five years. UOSA reserves the right to contact additional references which are known to UOSA but may not have been provided by the Bidder.

1.7 Instructions for Submitting Bids

The deadline for submitting bids is shown on the cover sheet. Bidders mailing bids should allow sufficient mail delivery time to insure timely receipt by the Purchasing Department. Bids will be opened in accordance with the provisions of the Virginia Public Procurement Act.

No faxed, emailed or electronic format Bids will be accepted. Bids must be submitted in sealed envelopes or packages, and identified as follows:

From: _____	_____
Name of Bidder	Due Date
_____	_____
Street	IFB No.
_____	_____
City, State, Zip Code	IFB Title

1.8 Bid Submission Requirements

All bid pricing should be submitted on the attached Bid Summary Sheet, Attachment D. By submitting a bid in response to this solicitation, whether on the attached bid submission form or other form, bidder agrees to be bound by the terms, conditions and specifications contained herein along with any addenda to this solicitation. Failure to use the attached Bid Summary Sheet will be at the bidder's risk and peril. If in the opinion of the Purchasing representative responsible for this procurement the bidder failed to provide all necessary information either on the attached form or some other form, the bid shall be declared to be non-responsive.

Bidders shall provide the following, completed documents in the order listed herein:

- A. Attachment B – Solicitation Response Form
- B. Attachment C – References
- C. Attachment D – Bid Summary Sheet
- D. Names and locations of all landfill/disposal sites which may be used for this account
- E. Acknowledgement of receipt of all issued addenda (indicate on Solicitation Response Form)

1.9 Bid Prices

Bidders shall include all costs (transportation, route mileage, tipping fees, container costs, salaries, overhead, profit, fuel surcharge, landfill fees, etc.) in the price bid for the pick-up and disposal of all bulk trash per container as identified in this IFB. The prices bid shall remain firm and fixed for the initial 12-month contract period. No extra charges shall be allowed.

- A. All 2 cubic yard containers shall be priced using a per container weight of 1504 lbs.
- B. All 4 cubic yard containers shall be priced using a per container weight of 1880 lbs.
- C. Monthly invoices shall be based on an average of 72 2 cubic yard and 76 4 cubic yard Grit and Screenings containers per month until different averages have been established during a period of container weighing and counting (see Section 2.2 14. M.)

1.10 Late Bids

Bids or unsolicited amendments to bids arriving after the closing date and time will not be considered. Bids received after the bid submission deadline will be returned to the Bidder unopened providing that sufficient bid identification information is shown on the outside of the bid envelope.

1.11 Contract Award

UOSA will award a contract to the lowest responsive and responsible bid as delineated in this IFB. The award will be made based on the line 10. total (total yearly sum of all estimated container collections) on the Bid Summary Sheet. UOSA reserves the right to reject any or all bids, in whole or in part, to waive informalities and to delete items prior to making the award, whenever it is deemed in the sole opinion of the procuring public body to be in its best interest. The additional pricing requested for temporary roll-off container service will not be considered for contract award; however, UOSA reserves the right to seek outside Contractors for this service if deemed to be in the best interests of and value to the Authority.

End Section 1

SECTION 2

2 Specifications

The Contractor shall furnish all labor, equipment/transportation, materials (except 2 & 4 CY front-end-load (FEL) containers), and supplies necessary to collect and dispose of bulk refuse, Grit and Screenings and recyclable materials generated at UOSA's main treatment facility located at 14631 Compton Road, Centreville, VA 20121.

2.1 Scope of Work

1. The Contractor shall provide on a perpetual basis:
 - a. Four (4), eight (8) cubic yard FEL containers (two (2) for MSW and two (2) for SSR) with the following special requirements:
 - Covers or lids with latching mechanism
 - Sliding side doors
 - No wheels
 - b. One (1), four (4) cubic yard container with cover for MSW
 - c. Two (2) standard thirty (30) cubic yard roll-off containers, one for general debris and one for scrap wood
 - d. One (1) standard twenty (20) yard roll-off container for scrap metal.
 - The metal scrap collected shall be hauled to a recycler and sold for scrap. Contractor shall forward any payments received for the scrap metal to UOSA or provide equal, documented credit on future invoice.
2. UOSA owns and maintains two (2) and four (4) cubic yard FEL containers for the collection of Grit and Screenings. The Contractor will not have to provide any 2 and 4 cubic yard containers for Grit and Screenings.
3. UOSA reserves the right to add or delete containers, as needed, at the firm per container prices indicated in the Bid Summary Sheet, Attachment D.
4. Containers shall be serviced and placed as indicated below:

Table 1: Container and Service Schedule

Item	Container size	Qty (on-site)	Service Frequency	Service Days/ pick-up quantity per day	Location Site (see Attachment G – Site Map)
1.	2 cubic yards Grit & Screenings (UOSA Owned)	12*	4 days/week	3-5 ea. M,W,F,Sat (approx.. 72/month)	Building A
2.	4 cubic yards Grit & Screenings (UOSA Owned)	12*	4 days/week	3-5 ea. M,W,F,Sat (approx.. 76/month)	Building A
3.	4 cubic yards MSW	1	3 days/week	1 ea. Mon., Wed. & Fri.	Building U

4.	8 cubic yards MSW	1	3 days/week	1 ea. Mon., Wed. & Fri.	Building H/1
5.	8 cubic yards MSW	1	3 days/week	1 ea. Mon., Wed. & Fri.	Building S/2
7.	8 cubic yards SSR	1	1 day/week	1 ea. Any Weekday	Building H/1
8.	8 cubic yards SSR	1	1 day/week	1 ea. Any Weekday	Building S/2
9.	30 cubic yard roll-off General Debris	1	On-call (approx. once every two months)	1 ea. Bi-Monthly (approximate)	Building X
10.	30 cubic yard roll-off Wood	1	On-call (approx. once every two months)	1 ea. Bi-Monthly (approximate)	Building X
11.	20 cubic yard roll-off Scrap Metal	1	On-call (approx. once every two months)	1 ea. Bi-Monthly (approximate)	Building X

***Not all of the 2 & 4 cubic yard Grit and Screenings containers will be collected each service day.**

5. The Contractor shall transport all UOSA MSW (Grit and Screenings, office trash, etc.) to the 1-95 Energy/Resource Recovery Facility, operating as Covanta Fairfax, Inc. Covanta is currently classifying UOSA Grit and Screenings as MSW. In the event that Covanta reclassifies the material and will no longer accept the waste, the Contractor must provide alternate disposal locations.
6. The Contractor shall position each container at the site designated by the Authority. See Table 1 above and UOSA Compton Rd. site map (Attachment J). The Authority reserves the right to change container locations at any time during the contract period without an additional charge.
7. The Contractor shall maintain the Contractor owned containers' material condition to be free from leakage (other than installed drains) and provide substitute containers when maintenance or repairs are being performed. The Contractor shall exchange containers at no additional cost, at the Authority's sole discretion, if the Authority determines containers are damaged or unusable.
8. To be responsive to this solicitation, bidders must have existing contracts and/or licenses and the required permits with disposal sites licensed or otherwise authorized to receive any or all, but not limited to, of the following types of bulk refuse: Grit, Screenings, fill dirt, topsoil, large and small tree limbs, wood chips, stumps, metals, bagged and loose household trash. UOSA reserves the right to require the Contractor to supply copies of these documents prior to making an award.
9. The Contractor shall provide a driver who possesses a valid Virginia CDL (license) for the type and size of vehicle being operated and an adequate number of personnel on the truck to insure that refuse, trash, Grit and Screenings are emptied properly and to insure cleanliness of the filled container staging area. The contractor shall not assign to this account drivers whose license has been restricted, suspended or revoked in any of the 50 states and the District of Columbia, at any time and for any reason. The Contractor shall insure that employees are uniformed and identified as employees.

10. The Contractor shall provide trucks that are designed to prevent spillage of refuse, trash, Grit and Screenings during the disposal process. If spillage occurs the Contractor shall be responsible for the cleanup.
11. The Contractor shall be responsible for the complete recovery and proper disposal of any refuse, trash, Grit and Screenings collected under this contract that is disposed of at an unauthorized or illegal site.
12. Should inclement weather conditions or other problems beyond the control of the Contractor interrupt or delay service, the Contractor shall notify UOSA's Treatment Process Operations Manager of the stoppage or delay and advise of the alternate pick up day. Should a state or federal holiday fall on a scheduled pick up day an alternate day shall be scheduled with the Treatment Process Operations Manager for that week. UOSA reserves the right to change the disposal day(s).
13. Contractor shall assume all liability for any fines or citations resulting from any traffic violations including but not limited to charges for exceeding vehicle weight limits. UOSA shall not be held responsible nor assume any liability for the operation of Contractor owned vehicles and equipment.

14. Grit and Screenings Collection and Material Information

- a. For the purposes of this solicitation:
 - i. "Grit" shall be defined as the heavy suspended mineral matter in wastewater such as sand, gravel, cinders, etc. as may be removed from Grit channels. Under this contract, the Contractor is not required to empty, dispose of or handle any toxic or hazardous materials or waste.
 - ii. "Screenings" shall be defined as debris such as rags, strings, leaves, other organic material, etc. as may be retrieved by screening devices and bar racks.
- b. The 2 cubic yard containers will contain sewage contaminants in "Grit" and "Screenings" as defined below. The 4 cubic yard containers will contain sewage contaminants of pressed "Screenings" only.
- c. Attachments E and F are the TCLP (Toxicity Characteristic Leaching Procedures) Reports for Grit & Screenings specified in this IFB.
- d. Both Grit and Screenings have been determined to be suitable for standard refuse disposal.
- e. UOSA reserves the right to increase the service level of the 2 and 4 cubic yard Grit and Screenings containers to 5 or 6-day per week collection as necessary. UOSA will allow a mutually agreed upon increase in cost if service level is increased
- f. The driver shall be responsible for gaining access to the 2 and 4 cy containers by exiting the truck, locating and manually pushing a garage door opener button located inside the building. The Driver shall be responsible for closing the garage door(s) when the pick-up operation is completed. UOSA personnel, on occasion, may be on-site to assist the driver with opening and closing of garage doors.
- g. The driver shall be required to move 2 cy containers to adjacent locations (no more than two bays) within the service area to either gain access to the full containers or place empty containers in an adjacent staging area. The refuse truck lifting mechanism is used for this operation.

- h. The Contractor shall be responsible for collecting every 2 and 4 cubic yard container designated as full on each collection day. The amount of containers to collect each day will vary but will typically be 4-5 of each size per day based on a four day per week collection schedule. The average amount of two (2) cubic yard Grit and Screenings containers per month is 72 and the average amount of four (4) cubic yard Screenings containers per month is 75. Pricing shall be based on this monthly average.
- i. If all containers must be emptied at the same time the Driver will be responsible for placing empty containers in the designated Grit and Screenings receiving areas within Building A prior to leaving disposal site.
- j. The driver shall be exposed to varying degrees of smells from non-toxic raw sewage during the emptying of the 2 and 4 cubic yard containers.
- k. In most instances the 4 cy containers in Building D2 will be moved to Building A by UOSA personnel for collection. On occasion the full containers may need to be collected directly from building D2. The contractor shall be responsible for coordinating with UOSA personnel to determine if collection is necessary from Building D2.
- l. UOSA recently conducted two weeks of daily weighing of the 2 & 4 cubic yard Grit and Screenings containers and determined the average container weights and pickup frequency to be the following:
 - The average weight of the Grit and Screenings 2 cubic yard containers was found to be 1,504 pounds. Pricing of the 2 cubic yard containers shall be based on this average weight (1,504 lbs.).
 - The average weight of the 4 cubic yard Screenings containers was found to be 1,880 pounds. Pricing of the 4 cubic yard containers shall be based on this average weight (1,880 lbs.).
- m. Shortly before each annual contractor renewal date the Contractor shall undertake a period of container counting and weighing for a duration of 2 weeks. The Contractor may use UOSA's on-site certified scale and will be responsible for the administration of this task. UOSA staff will be made available to help the Contractor as needed. After the weighing period, the Contractor will present the results (count and average weight of both 2 and 4 cubic yard Grit and Screenings containers) to UOSA. Based on the reported average weights and container counts the Contract pricing will be adjusted proportionally to the original bid pricing. The price adjustment will be effective whether it is favorable to the Contractor or UOSA. This new pricing will remain in effect until the next weighing period.

2.2 Disposal Sites

1. Non-Recyclable Waste

The Contractor shall transport all UOSA main plant site MSW (Grit and Screenings, general debris, office trash, etc.) to the 1-95 Energy/Resource Recovery Facility, operating as Covanta Fairfax, Inc. unless otherwise directed by UOSA. Covanta is currently accepting UOSA waste and has classified UOSA Grit and Screenings as MSW suitable for disposal at their site.

The Contractor shall provide the name and location of at least one alternative landfill/disposal site, besides Covanta, which may be used in case an alternate site becomes necessary in the future. The alternate site may be utilized in the event that Covanta determines our material

unsuitable for disposal at their site in the future. Space has been provided on the bid sheet to indicate the increase or decrease in cost associated with using the alternate site.

The bid price shall be inclusive of all fees and the Contractor shall pay all tipping charges directly to disposal site whether Covanta or an alternate site is used.

2. Recyclable Material

All recyclable material shall be disposed of in accordance with existing local, state, and federal regulations at an authorized recycling facility.

2.3 Special Requirements

UOSA occasionally has need of temporary 10, 20 and 30 cubic yard roll-off containers on-site for the removal of various types of refuse (fill-dirt, general debris, construction debris, spent non-hazardous material used in the water treatment process (e.g. ERP dredgings, activated carbon, SulfaTreat – granular iron oxide). TCLP reports for these materials have been provided as Attachments G, H & I. Pricing is requested on the bid summary sheet for these temporary containers. The price bid for each container size shall be inclusive of all services required to deliver, setup and remove container once full. No other fees for temporary roll-off containers will be accepted (except overweight fees as indicated on bid sheet) unless authorized by the UOSA purchasing department prior to container delivery. UOSA reserves the right to assign purchase orders to other Contractors on a case-by-case basis for temporary roll off containers or any other refuse hauling service, based on its sole discretion in consideration of its knowledge of Contractor's price or delivery time, if deemed to be in the best interest of UOSA.

2.4 Optional Service

UOSA also requires trash service at the Flat Branch Pump Station located at 7420 Ben Lomond Park Dr., Manassas, VA 20109. This location is not in Fairfax County and is not subject to the disposal site requirements set forth in Section 2.2. This location requires one 8 cubic FEL container for MSW (regular office trash) to be collected once per week. Space has been provided on the Bid Summary Sheet to provide pricing for this optional service. UOSA reserves the right to award a contract for this service separately from the Contract for the main plant service, if deemed in the best interest of UOSA.

2.5 Quantities

Quantities of containers set forth in this solicitation are estimates only, based on prior requirements. The contractor shall supply disposal pricing as bid regardless of whether such total quantities are more or less than those specified in this IFB. Invoiced charges for disposal services shall be based on actual counts of containers collected, not on the bid estimates.

2.5 Contract Start Date

- A. The Contractor shall have in place, at the UOSA sites identified herein, the required quantities and sizes of containers as shown in Table 1 (except 2 and 4 cubic yard Grit and Screenings containers) within ten days after contract award. It is expected that the Contractor will begin collection services as specified within two days following the date of container placement and will continue these services at the frequency shown in Table 1 for the term of the contract.
- B. The new Contractor shall coordinate placement of containers with the current Contractor to insure continuous and uninterrupted service to UOSA.
- C. The anticipated start date for this Contract is October 1, 2020.

2.6 Performance Bond

UOSA reserves the right to require a Performance Bond equaling a minimum of 50% of the total annual contract value upon award of contract and for any subsequent contract year of the 7-year annually renewable contract term. Bidders shall include the price of the Performance Bond as a line item on the Bid Summary Sheet. If required, said bond shall be submitted within fourteen (14) calendar days of notification by the Purchasing Agent.

End Section 2

Attachment A – Standard Terms and Conditions

Attachment B – Solicitation Response Form

Attachment C – References

Attachment D – Bid Summary Sheet

Attachment E – TCLP Report Grit

Attachment F – TCLP Report Screenings

Attachment G – TCLP Report Activated Carbon

Attachment H – TCLP Sulfatreat

Attachment I – TCLP ERP Dredgings

Attachment J – Site Map

Attachment A – Standard Terms and Conditions

STANDARD TERMS AND CONDITIONS

[Non-Construction]

The following Terms and Conditions establish requirements and conditions governing responsibility, policy, and procedures under the Contract Documents that apply during the performance of the Contract and Warranty Period. Additional requirements and conditions appear in other Contract Documents. The Contract Documents may be modified only in writing, signed by the Owner.

ARTICLE I **DEFINITIONS**

Whenever used in this solicitation or in the Contract Documents, the following terms have the following meanings, which are applicable to both the singular and plural and the male and female gender thereof:

- 1.0 Acceptance:** UOSA's acceptance of any Phase or of the Project as a whole from the Contractor upon confirmation from the Contract Manager and the Contractor that the Phase or the Project as a whole is totally complete in accordance with the Contract requirements and that all defects have been eliminated. Final Acceptance is UOSA's written determination that the Work (excluding Warranties) is complete. Final Acceptance is confirmed by the making of Final Payment of the Contract Price for the affected Phase or for the Project as a whole including any Change Orders or other modification thereto. Contractor is responsible for all Work until Final Acceptance.
- 1.1 Bidder:** The individual or business entity who or which submits a Bid or a Proposal to the RFP or IFB (see also, Offeror).
- 1.2 Change Order:** A written modification to the Contract affecting Contract Price or Contract Time, or both, signed by both parties. A Unilateral Change Order is a Change Order issued by UOSA establishing a modification when the parties cannot agree on a Change Order, with the right reserved to the Contractor to initiate a claim if the parties are unable to agree on the disputed terms. Any modification to the Contract affecting Contract Price or Contract Time shall be made only by Change Order or Unilateral Change Order.
- 1.3 Contract:**
- A. "The Contract" is the written agreement of the parties, and shall be deemed to incorporate the Contract Documents covering the performance of the Work and the furnishing of services, labor, materials, Equipment, incidental services, tools, and equipment for the performance of the Work. It shall be deemed to include Supplemental Agreements amending or extending the scope of the Work contemplated and which may be required to achieve Acceptance and Final Acceptance or both. The Contract, as so defined, represents the entire and integrated agreement between the Owner and the Contractor, and supersedes all prior negotiations, representations, or agreements, both written and oral.
 - B. References to the "executed Contract" or the "signed Contract" refers to that portion of the Contract signed by parties. For Projects under \$50,000 and where specifically noted therein, a Purchase Order may take the place of the executed Contract.
 - C. The Contract may be modified only in writing signed by the Owner. The Contractor recognizes that no representative or agent of Owner has any authority to modify the Contract Documents in any other manner, express or implied. The Contractor agrees that it shall not rely upon or in any way assert the occurrence of any modification of any Contract Document other than in writing signed by the Owner and waives any right or ground to do so.
- 1.4 Contract Documents:** The Contract Documents consist of the Invitation for Bid ("IFB") OR the Request for Proposal ("RFP"), a signed copy of the Bid Form OR Proposal (including drawings and submittals and excluding any terms and conditions contrary or in addition to those in the RFP unless specifically agreed to in writing as a Supplemental Condition), the signed Contract, the Payment Bond (if any), the Performance Bond (if any), the Terms and Conditions, the Supplemental Conditions, and shall include all modifications of any of the foregoing incorporated by Addenda into the Contract Documents prior to execution of the Contract, and all Supplemental Agreements or Changes to the Contract Documents made subsequent to execution of the Contract.
- 1.5 Contract Manager:** The UOSA employee designated for purposes of oversight of the Contract and the Work. The Contract Manager is the Owner's authorized representative for all aspects of the Contract after Contract Award. UOSA may also designate a Technical Representative for routine coordination with the Contractor. The Contract Manager and the Technical Representative, if any, should be identified in the executed Contract. However, any change to the Contract affecting the Contract Price or the Contract Time is not effective and has no force and effect unless and until signed by the UOSA Executive Director or, in the absence of the Executive Director, UOSA Deputy Executive Director, or designee.
- 1.6 Contract Price:** The total compensation to be paid the Contractor for performance of all requirements of the Contract Documents. Any provision of the Contract Documents which imposes any responsibility or performance obligation upon the Contractor shall be deemed to include the phrase "within the Contract Price." Any claim or request by the Contractor for additional compensation for any reason shall be deemed to be a claim for modification of the Contract Price and must be submitted in strict accordance with the Disputes clause.
- 1.7 Contract Time:** The time within which the Contractor is required to achieve Acceptance, and thereafter to achieve Final Acceptance, of the Work. The Contract Time is of the essence of the Contract.
- 1.8 Contractor:** The person or persons, partnership, firm, joint venture, or corporation submitting a Bid or Proposal for the Work contemplated.
- 1.9 Notice:** The term "Notice" or the requirement to notify, as used in the Contract Documents or applicable state or federal statutes, shall mean a written communication delivered in person or by certified or registered mail to the individual, or to a member of the firm, or to an officer of the corporation for whom it is intended. Certified or registered mail shall be addressed to the last business address known to the party who gives the Notice. Notice to the Owner shall be given at the office of the Owner's Contract Manager. Notice is effective upon receipt. Communications by email shall not satisfy any Notice requirements of the Contract Documents except as may be provided specifically.

- 1.10 Notice to Proceed:** A written Notice given by the Owner to the Contractor establishing the date on which the Contract Time will commence and on which the Contractor shall be authorized to begin the Work. The execution of a Task Order or the issuance of a Purchase Order shall operate as a Notice to Proceed for the Work included in that document.
- 1.11 Offeror:** The individual or business entity who or which submits a Bid or a Proposal to the RFP or IFB. (see also, Bidder)
- 1.12 Owner:**
- A. Owner means the Upper Occoquan Sewage Authority, also known as Upper Occoquan Service Authority, and referred to by the acronym "UOSA", whose address is 14631 Compton Road, Centreville, Virginia, 20121-2506 (telephone number 703-830-2200). The Executive Director of the Upper Occoquan Sewage Authority shall have the authority to act on behalf of the Upper Occoquan Sewage Authority for all purposes under this Contract, and in the absence or incapacity of the Executive Director, the Deputy Executive Director shall have all powers and authority of the Executive Director. The Executive Director may designate a Contract Manager for purposes of over-sight of the Contract and the Work.
 - B. UOSA is a public body politic and corporate organized under the Virginia Water and Waste Authorities Act and subject to the Occoquan Policy. UOSA was created by the concurrent actions of the governing bodies of Fairfax County, Prince William County, the Town of Manassas (now the City of Manassas), and the Town of Manassas Park (now the City of Manassas Park) and was chartered by the State Corporation Commission of Virginia on April 1, 1971. UOSA was formed to acquire, finance, construct, operate and maintain facilities for the abatement of pollution resulting from sewage in its service areas in order to protect water quality in the Occoquan Watershed.
 - C. UOSA currently owns and operates an advanced water reclamation plant and a regional system of interceptor sewer lines, pump stations and force mains that deliver sewage from the four member jurisdictions to the treatment plant.
- 1.13 Partial Utilization:** The terms "or a defined portion thereof," "Partial Utilization," "Owner's Partial Utilization," "defined portion of the Work," "Owner's use of portions of the Work," or words of similar import when used in the Contract Documents shall be deemed to mean such portion of the Work as may be designated by the Owner in its sole discretion as having achieved that degree of completion which will permit the Owner to take over and commence the use and operation thereof prior to Acceptance of all Work. Such determination as to a defined portion of the Work so as to permit Owner's Partial Utilization shall not affect the determination of either Acceptance or Final Acceptance of the Work as a whole, which is understood to be indivisible, nor shall such determination have any impact on the obligation of the Owner to assess and deduct Liquidated Damages for failure to achieve Acceptance of the Work.
- 1.14 Project:** The term "Project" shall be synonymous with the term "the Work."
- 1.15 Proposal:** The response by an Offeror to the RFP.
- 1.16 Subcontractor:** Any party, entity, or enterprise of any sort other than the Contractor providing labor or services to the Project pursuant to any agreement or arrangement with the Contractor.
- 1.17 Supplemental Agreements:** Written agreements covering alterations, amendments, or extensions to the Contract and include Change Orders and Unilateral Change Orders.
- 1.18 UOSA:** Upper Occoquan Service Authority, interchangeable with "Owner."
- 1.19 Work:** The word "Work" within the Contract Documents shall include all services, material, labor, equipment and tools, Equipment, appliances, machinery, transportation, appurtenances, bonds, insurance, and all related costs necessary to perform and complete the Contract, and any such additional items and costs not specifically indicated or described which can be reasonably inferred as belonging to the item described or indicated or as required by industry practice, custom or usage to provide a complete and satisfactory deliverable system, structure or product in strict compliance with all requirements of the Contract Documents. Work means the same as "Project".

ARTICLE II

THE CONTRACTOR REPRESENTATIONS AND OBLIGATIONS

- 2.0 Arrearage:** By submitting a Bid or Proposal in response to this IFB or RFP, the Offeror shall be deemed to represent that it is not in arrears in the payment of any obligation due and owing UOSA, the Commonwealth of Virginia, or any public body within Virginia. Said representation shall include the payment of taxes and employee benefits. Offeror further agrees that it shall make diligent effort to avoid becoming in arrears during the term of the Contract.
- 2.1 Collusion:** By submitting a bid or a proposal, Offeror represents that such bid or proposal is submitted without prior understanding, agreement, or connection with any corporation, partnership, firm, or person submitting a proposal for the same requirements, without improper collusion or fraud. Collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. All Bidders are required to sign the included UOSA Solicitation Disclosure Form that is included at the beginning of the Solicitation document. (Disclosure form must be filled out in its entirety.)
- 2.2 Compliance with Laws:** The Offeror/Contractor hereby represents and warrants that:
It is qualified to do business in the Commonwealth of Virginia and that it will take such action as, from time to time hereafter, may be necessary to remain so qualified;
It shall comply with all federal, State and local laws, regulations, and ordinances applicable to its activities and obligations under the Contract including, but not limited to the Virginia Procurement Act;
It shall obtain at its expense, all regulatory and professional licenses, business licenses, permits, insurance, and governmental approvals, if any, necessary to the performance of its obligations under the Contract; and
The Offeror shall include in its bid or Proposal the identification number issued to it by the Virginia State Corporation Commission. Any bidder that is not required to be authorized to transact business in the Commonwealth of Virginia as a foreign business entity under Title 13.1 or Title 50 of the Virginia Code or as otherwise required by law shall include in its bid a statement describing why the bidder is not required to be so authorized. Any Offeror that fails to provide this required information shall not be entitled to a Contract Award.

- 2.3 Contractor's Responsibilities:** The Contractor shall be responsible for all Work required by this solicitation. The use of Subcontractors is prohibited, without prior written consent from UOSA. Any consent to use Subcontractors, shall not relieve the Contractor of liability under the Contract.
- 2.4 Debarment Status:** By submitting a Bid or a Proposal, Offeror certifies that it is not currently debarred by the Commonwealth of Virginia (or any other Virginia public body) from submitting Offers or proposals on contracts for the type of goods and/or services covered by this solicitation, nor is it an agent of any person or entity that is currently so debarred.
- 2.5 Drug-free Workplace:** During the performance of this Contract, the Contractor agrees to (i) provide a drug-free workplace for the Contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the Contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the Contractor that the Contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every Subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each Subcontractor or vendor.
- 2.6 Duration of Bids/Proposals:** Bids/Proposals shall be valid for a minimum of 90 days following the deadline for submitting bids. If an award is not made during that period, all offers shall be automatically extended for another 90 days. Bids/Proposals will be automatically renewed until such time as either an award is made or proper notice is given to UOSA of Bidder's/Offeror's intent to withdraw its bid/proposal. Bids/Proposals may only be canceled by submitting written notice at least 15 days before the expiration of the then current 90-day period.
- 2.7 Employment Discrimination:**
- A. By submitting their bids or proposals, Offerors certify to UOSA that they will conform to the provisions of the Federal Civil Rights Act of 1964, as amended, as well as the Virginia Fair Employment Contracting Act of 1975, as amended, and where applicable, the Virginians With Disabilities Act, the Americans With Disabilities Act and § 2.2-4310 of the Virginia Public Procurement Act.
 - B. During the performance of this Contract, the Contractor agrees as follows:
 - 1. The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the Contractor. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
 - 2. The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, will state that such Contractor is an equal opportunity employer.
 - 3. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
 - 4. The Contractor will include the provisions of the foregoing paragraphs 1, 2 and 3 in every Subcontract or purchase order over \$10,000.00, so that the provision will be binding upon each Subcontractor or vendor.
- 2.8 Employment of Aliens:** It shall be the responsibility of the Contractor to comply and to require compliance by others on the Project with all federal, state and local laws dealing with employment of aliens, including, but not limited to, the requirements and prohibitions provided in the Immigration and Nationality Act (INA) of 1952, as amended, and the Immigration Reform and Control Act (IRCA) of 1986, as amended, which control employment of unauthorized aliens. By entering into a Contract with UOSA, Contractor represents that it does not, and shall not during the performance of the Contract, knowingly employ an unauthorized alien.
- 2.9 Ethics in Public Contracting:** Contractor hereby certifies that it has familiarized itself with the following provisions of the Virginia Code, and that all amounts received by it pursuant to any Contract or Task Order Awarded to it are proper and in compliance therewith: Section 2.2-3100 et. seq., the State and Local Government Conflict of Interests Act; Section 2.2-4367 et seq., Ethics in Public Contracting; Section 18.2-498.1 et seq., Virginia Governmental Frauds Act; and Articles 2 (Section 18.2-438 et seq.) and 3 (Section 18.2-446 et seq.) of Chapter 10 of Title 18.2.
- 2.10 Examination of Records:** The Offeror agrees that in any resulting Contract, either UOSA or its duly authorized representative shall have access to and the right to examine and copy any directly pertinent books, documents, papers, and records of the Contractor involving transactions related to any resulting Contract. This obligation shall expire five years after the final payment for the final service performed as a result of any and all Contract(s), Task Order(s) or Purchase Orders awarded pursuant to this solicitation, or until audited by UOSA, whichever is sooner. Contractor will provide reasonable access to any and all necessary documents and upon demand provide copies of documents if so required by UOSA or its representative(s). UOSA will reimburse the Contractor for any reasonable expenses it incurs as a result of such a request.
- 2.11 Independent Contractor:** The Contractor shall perform or cause to be performed all Work under the Contract as an independent contractor and shall not be considered either an agent or employee of the Owner or of the Engineer.
- 2.12 Permits and Inspections (where applicable):**
- A. The Contractor shall obtain and provide any and all required permits from the appropriate local authority.
 - B. The Contractor shall be responsible for scheduling all inspections and performing all work necessary for testing and inspections as required by any and all authorities having jurisdiction during the course of Work.
- 2.13 Safety Program and Contractor's Compliance (where applicable):** If applicable to this contract:

- A. The Contractor shall comply with all applicable Federal, State, and local safety programs, regulations, standards, and codes, to include though not limited to:
 - 1. The Virginia Uniform Statewide Building Code;
 - 2. Building Officials & Code Administrators (BOCA) codes (together with adopted International Codes);
 - 3. Virginia Department of Health (VDH) regulations;
 - 4. Virginia Department of Environmental Quality (DEQ) regulations;
 - 5. Virginia-OSH (VOSH) regulations, and
 - 6. National Electric Code (NEC).
- B. The Contractor shall have a current written safety program, that complies with all applicable OSHA and VOSH standards for General Industry regulations, and if required, a written Permit Required Confined Space Entry Program that complies with VOSH Standard Confined Space Entry Standard 1910.146. A copy of these programs shall be provided to the Purchasing Manager with the Contractor's general safety program not later than seven days after contract award and before beginning Work.
- C. If the Work requires working in a confined space, the Contractor shall utilize only personnel trained for confined space entry and shall provide all entry equipment including atmospheric test equipment.
- D. Contractor's employees shall wear hard hats and steel toe shoes while working in all applicable areas.

2.14 Superintendence by Contractor (where applicable):

- A. The Contractor shall have a competent Superintendent, satisfactory to UOSA, to oversee the progress of the Work. The Contractor shall be responsible for coordinating all portions of the Work except where otherwise specified in the Contract Documents, and for all safety and worker health programs and practices. The Contractor shall notify the Contract Manager, in writing, of any proposed change in Superintendent including the reason therefore prior to making such change.
- B. The Contractor shall at all times enforce strict discipline and good order among the workers on the project. The Contractor shall not employ on the Project any unfit person, anyone not skilled in the work assigned to him, or anyone who will not work in harmony with those employed by the Contractor, subcontractors, UOSA or UOSA's separate Contractors and their subcontractors.
- C. UOSA may, in writing, require the Contractor to remove from UOSA property, any employee UOSA deems to be incompetent, careless, not working in harmony with others on the site, or otherwise objectionable.

2.15 UOSA Drug and Alcohol Policy: The Contractor shall be subject to follow this UOSA Policy at all times while on UOSA premises.

A. Drugs or Alcohol and the Job:

The nature of the Work of UOSA requires that the highest standards of safety be maintained for the public, employees and Contractors working at UOSA. The use of drugs, i.e., controlled substances or alcohol while on the job or working while under their influence poses a threat to that health and safety.

B. Guidelines for Drugs and Alcohol:

All employees and Contractors are required to work with faculties unimpaired. Therefore, the use or possession of drugs or alcohol while on UOSA premises is strictly prohibited. Working or reporting to work in a condition that would prevent the employee or Contractor from performing his duties in a safe or effective manner for any reason also is prohibited. Any illegal substances will be turned over to the appropriate law enforcement agency and may result in criminal prosecution.

Employees or Contractors undergoing prescribed medical treatment with a controlled substance are required to advise their supervisor, contract administrator and/or the UOSA safety officer of such treatment. Prescribed use of controlled substances as a part of a medical treatment is not necessarily grounds for disciplinary action. However, where such use adversely affects an employee or Contractor's ability to perform his or her job safely and effectively, alternative work assignment or other appropriate action will be employed.

C. Detection of Drugs or Alcohol:

As a part of its program to prevent the use of controlled substances and alcohol that affect the workplace and in the event of an accident or any incident where safety rules have been or appear to have been violated, employees or Contractors involved or responsible may be required to undergo a urine test or other method for the purpose of detecting the use or presence of controlled substances or alcohol. In addition, where a supervisor, contract administrator or safety officer has reason to believe that an employee or Contractor may be drug or alcohol impaired, he or she may require the employee or Contractor to submit to such testing. The cost of any such testing required for a Contractor will be charged to that Contractor or deducted from payments to the Contractor. An employee's or Contractor's refusal to submit to a urine or other test or to cooperate with UOSA's effort to eliminate drugs or alcohol in the workplace may be grounds for disciplinary action, including termination of employment or contract.

2.16 UOSA Smoking Policy: The Contractor shall be subject to follow this UOSA Policy at all times while on UOSA premises.

Purpose:

The purpose of the UOSA smoking policy is to maintain UOSA as a safe and smoke-free environment for everyone.

Policy:

Because of the numerous potentially flammable solids, liquids, and gases encountered in UOSA operations. With limited exceptions smoking must be prohibited in the UOSA workplace.

Smoking is prohibited inside the security fence of the Plant and all Pump Stations except in the following Plant locations:

patio area on the east side of the Laboratory Building;
patio area north of Building H/1;
the immediate area at the south entrance to Building S/2;
the east side of X/1;
the north side of D/2; and
the east balcony off the 2nd floor of Building U.

Employees may smoke in the patio area on the east side of Building F.

The public will be allowed to smoke on the west side of Building F.

The users must keep all smoking areas clean. Failure to do so may result in the loss of the smoking privileges. Trash receptacles and cigarette disposal receptacles will be provided at each approved location. The responsibility of emptying the receptacles rests with the users.

Other Non-UOSA Sites:

Contractor shall obey all nonsmoking rules and regulations when performing work for UOSA on non-UOSA premises. It is the responsibility of the Contractor to identify these prohibited areas and inform its employees that smoking is not allowed in specified restricted areas.

- 2.17 Vehicle Operation Compliance:** Vehicles being driven on UOSA property must comply with the posted speed limit, stop and yield signs. Operators found in non-compliance will be asked to leave UOSA property. The Contractor may be required to replace the offenders with new personnel if deemed to be in the best interest of the Authority by UOSA's Safety Officer.

ARTICLE III **CONTRACT TERMS**

- 3.0 Contract Changes / Change Orders:** No verbal agreement or conversation with any officer, agent or employee of UOSA either before or after the execution of any Contract resulting from this solicitation or follow-on negotiations, shall affect or modify any of the terms, conditions, specifications, or obligations contained in the solicitation, or resulting Contract. No alterations to the Terms and Conditions or any other change affecting Contract Price or Contract Time, or both, shall be valid or binding upon UOSA unless made in writing in the form of a Change Order and signed by UOSA's Executive Director or Deputy Executive Director, or designee.

In any event and in all circumstances, the Contractor shall be solely liable and responsible for, and UOSA shall be under no obligation to pay for, any Contract changes or deviations made without first receiving a Written Change Order to deviate from the Contract.

Changes can be made to the contract in any of the following ways:

1. By mutual agreement between the parties in a written Change Order.
2. By UOSA issuing a Unilateral Change Order ordering the Contractor to proceed with the work. Any claim for an adjustment in Contract Price under this provision must be asserted by Notice to the UOSA Contract Manager. Neither the existence of a claim nor a dispute resolution process, litigation or any other provision of this Contract shall excuse the Contractor from promptly complying with the changes ordered by the Unilateral Change Order or with the performance of the Contract generally.

- 3.1 Contract Documents Precedence:** The Contract to be entered into as a result of this solicitation shall be by and between the Offeror as Contractor and UOSA. The Contract Documents shall include the following items, which are listed in order of precedence:

1. Supplemental Agreements, with the most recent having precedence,
2. Fully executed Task Orders, (if applicable)
3. The fully executed Contract
4. The Terms and Conditions
5. The RFP or IFB and any Addenda to the IFB or RFP,
6. The Offeror's Bid or Proposal (including any drawings and submittals), and excluding terms and conditions that are not expressly agreed to in writing by UOSA in a Supplemental Agreement.

Anything called for by one of the Contract Documents and not called for by the others shall be of like effect as if required or called for by all, except that a provision clearly designed to negate or alter a provision contained in one or more of the other Contract Documents shall have the intended effect.

The intent of the Contract Documents is to describe a functionally complete Project to be performed in accordance with the Contract Documents. Any services, material, labor, equipment, tools, Equipment, appliances, machinery, transportation, appurtenances, bonds, insurance, and all related costs that may reasonably be inferred from the Contract Documents as being required to produce the intended result shall be deemed to be part of the Work whether or not specifically called for. When words which have a well-known technical or trade meaning are used to describe any portion of the Work, such words shall be interpreted in accordance with that meaning. The words "will" or "shall" are used interchangeably and denote mandatory, non-discretionary conduct or intent.

By submitting an Offer or Bid in response to this solicitation, the Offeror agrees to all Terms and Conditions and to the Specifications contained in the RFP or IFB, unless and except as otherwise noted as an exception in the Offeror's Bid or Proposal. Any terms and conditions that the Offeror proposes to use must be submitted as part of the Bid or Proposal (unless otherwise specifically noted in this solicitation or otherwise required in accordance with Virginia law) but shall not be deemed accepted terms agreed to by the Owner unless and until those terms are incorporated expressly into the Contract by Supplemental Agreement or by Change Order signed by both parties. Terms and conditions submitted by an Offeror after the required submission date will not be considered for incorporation into the terms of the awarded Contract.

Terms and conditions submitted by an Offeror after the required submission date will not be considered for incorporation into the terms of the awarded Contract.

All time limits stated in the Contract Documents, including but not limited to the time for completion of the Work, are of the essence.

3.2 Default: The Contractor may be deemed by the Owner to be in default of the Contract if the Contractor:

1. abandons the Work or a defined portion thereof; or
2. persistently or repeatedly fails or refuses to perform the Work or a defined portion thereof; or
3. persistently or repeatedly fails to make prompt payment to Subcontractors for material or labor; or
4. persistently or repeatedly disregards laws, ordinances, or regulations; or
5. fails to prosecute the Work either in a timely manner or in conformance with the Contract Documents; or
6. neglects or refuses to remove and replace at its own cost Work rejected by the ; or
7. is otherwise in breach of the Contract.

3.3 Delays:

- A. The Contractor shall not be responsible for delays caused by UOSA, its agents, or other contractors under contract with UOSA. To the extent that the Contractor is unable to proceed with timely performance due solely to the actions or inactions of UOSA, its agents, employees or such other contractors, the Contractor shall be granted an extension to the performance schedule equal to the documented amount of time the Contractor was prevented from performing work, so long as the Contractor submits a Notice of Claim to UOSA at the time the delay begins or within seven (7) days thereafter if the resulting delay was not reasonably foreseeable. This Notice is condition precedent to the assertion of any claim for additional time or compensation.
- B. Any claim for an extension of time for a delay for any cause, shall be made by filing a Notice of claim with the Owner at the time the delay begins or within seven (7) days thereafter if the resulting delay was not reasonably foreseeable. The Notice of claim for any delay shall be submitted in duplicate, in writing, and shall state the circumstances of the occurrence, the justification for the delay and for the extension of time, and provide the estimated duration of the delay and of the time extension requested.
- C. Within seven (7) days after the delay has ceased, the Contractor shall give written Notice to the Owner of the actual date of the cessation of the delay and the anticipated time extension. Within twenty (20) days after the delay has ceased, the Contractor shall submit a written statement of the actual time extension requested as a result of the claimed delay which shall include all documentation and supporting information for such claimed delay required by the Contract Documents.
- D. The Contractor shall be entitled to an extension of time for delay caused by any act or any neglect of the Owner, the Engineer or by any separate contractor employed by the Owner; or by strikes, lockouts, fire, insurrection, war, acts of public authorities, lightning, hurricane, tornado, flood, abnormal and unusually severe weather as defined above, or for any delays arising as a result of the occurrence of any physical conditions, subsurface conditions or soil conditions which may be encountered in the prosecution of the Work and which, in the exercise of reasonable care and due diligence in the investigation and analysis of all information available, should not have been foreseeable, anticipated, or indicated; or by any other cause which in the opinion of the Owner is entirely beyond the expectation and control of and arises without the fault or negligence of the Contractor. Entitlement to such extension of time shall, however, be subject to all limitations on claims for delay set forth in the Contract, and shall be conditioned upon strict compliance with all Notice and submission requirements imposed by therein. The Contractor shall be entitled to an extension of time for such causes only for the number of days of delay which the Owner may determine to be due solely to such causes and then only to the extent that such occurrences actually delay the Acceptance of the Project or defined portions thereof. *If the delay is not due solely to such causes but also is due concurrently to causes for which the Contractor is not entitled to an extension of time, the Contractor shall not be entitled to an extension of time for such period of concurrent delay.* Any request for extension of time shall, to the extent that such information has not been included in any previously submitted Time Impact Analysis, as may be required by the Specifications, be accompanied by detailed documentation of what specific schedule activities were affected, when they were affected and for what duration, as well as what actions the Contractor took to eliminate or mitigate the extent of the delay. Provided, however, compliance with this requirement shall not be in lieu of, nor result in any extension of, the submittal requirements for a Time Impact Analysis as required by Specifications.

3.4 Disputes:

- A. In any case where the Contractor deems it is due additional compensation beyond the Contract Price, the Contractor shall give written Notice of such claim to the Owner at the time of the discovery of the occurrence of the event giving rise to the claim and before beginning any Work on which the claim is based. Such Notice shall identify itself as a Notice of claim, shall state the circumstances of the occurrence, shall specify the additional work contemplated as being required, shall state why such work is not already included within the scope of the Contract Documents, and to the extent reasonably foreseeable shall estimate the anticipated amount of the claim. If the Owner declines to consent to a Change Order and directs the Contractor to proceed with such Work, then the Contractor shall so proceed and within ten (10) days after completion of the Work for which additional compensation is claimed shall submit in writing to the Owner an itemization of the actual additional compensation claimed. Strict compliance with these provisions shall be a condition precedent to the assertion of any claim, and any claim for additional compensation not presented as required in this provision shall be barred. Compliance with such requirements, however, shall not create any presumption of the validity of such claim.
- B. The Owner will make the final decision on all requests for additional compensation or an extension of Contract Time. Within ninety (90) days after the Contractor files its itemization of the actual amount of additional compensation claimed, the Owner shall present the Owner's final written decision to the Contractor as to whether any additional compensation should be paid. A written decision by the Owner within the stated time shall be a condition precedent to the institution of any judicial claim for relief by the Contractor. The Owner's written decision shall be final and conclusive unless the Contractor institutes appropriate judicial appeal within six (6) months of the date of the decision by the Owner. In the event the Owner has not rendered a decision on a claim for additional compensation or extension of Contract Time within the specified time frame after submission of such claim as provided herein, the claim shall be deemed denied and the Owner's final decision shall be deemed to have been issued on the last day of the specified time frame after submission of the claim. In the interest of compromise, the Owner may, but is not required to, consider further submissions by the Contractor related to a claim after a final decision on a claim, but no such actions by the Owner shall in any way affect or extend the effective date of the Owner's final decision on the claim.

- C. If the Owner agrees to pay additional compensation in response to such claim, payment shall be made in accordance with or pursuant to such Supplemental Agreement as may be reached between the Owner and the Contractor.
- D. The Contractor shall comply with all directions and decisions of the Owner or Owner's agent (if applicable) and shall proceed diligently with performance of the Contract and with any disputed work pending final resolution of any claim or dispute, whether for additional compensation or extension of time. "Final resolution" as used throughout the Contract Documents shall mean the conclusion or exhaustion of all judicial proceedings.
- E. If the Contractor at any time determines the Owner to be in material breach of the Contract, the Contractor shall provide Notice of claim thereof to the Owner within seven (7) days of the occurrence the Contractor deems to constitute such material breach. Such Notice shall specify the precise occurrence(s) of such material breach. The Contractor's continuing performance under the Contract, after giving such Notice of claim, including but not limited to receiving moneys thereunder, shall constitute an election to waive such material breach and to confirm the continued existence of the Contract.
- F. No payment or partial payment on any claim shall be made prior to final resolution of such claim.
- G. All matters of dispute must be resolved either to the mutual satisfaction of the Owner and the Contractor or by final resolution as a condition precedent to the Owner's obligation to make final payment for the Work to the Contractor.
- H. The Contractor shall make no claim against any officer, agent, or employee of the Owner for, or on account of, any act or omission to act in connection with the Contract, and hereby waives any and all rights to make any such claim or claims.
- I. If additional compensation and/or extension of time is granted as to any claim, the same shall be incorporated in a Change Order to the Contract. The Contractor shall not be entitled to recover interest on any amounts claimed to be due from the Owner which are the subject of a good faith dispute by the Owner which are paid by the Owner within thirty (30) days following the final resolution of such dispute.
- J. The terms "claim" and "dispute" are used interchangeably in the Contract Documents and either shall mean any request by the Contractor for compensation in excess of that to which the Owner agrees, for a time extension in excess of that to which the Owner agrees, or for any other relief beyond that to which the Owner agrees.
- K. For any judicial proceedings arising from or related to the Contract Documents, the Contractor and the Owner hereby consent to exclusive venue and jurisdiction in the Circuit Court of Fairfax County, Virginia, or the United States District Court for the Eastern District of Virginia (Alexandria Division).
- L. Failure of the Owner to require compliance with any term or condition of this Contract shall not be deemed a waiver of such term or condition, or a waiver of the subsequent enforcement thereof, including but not limited to the Owner's claim for a subsequent material breach of Contract.
- M. Failure by the Contractor to comply with any condition precedent to a claim provided by the Contract Documents shall be an absolute bar to such claim.

3.5 Examination and Verification of Contract Documents: By executing the Contract, the Contractor confirms that it has thoroughly examined and become familiar with all of the Contract Documents; that it has determined the nature and location of the Work; the general and local conditions; the availability and competence of labor; the availability of equipment, materials, supplies, and Equipment, and all other matters which can in any way affect the Work under the Contract. Failure to have made any examination necessary for these determinations shall not release the Contractor from any of the obligations of the Contract nor be grounds for any claim based upon unforeseen conditions. No verbal agreement or conversation with any officer, agent, or employee of the Owner, either before or after the execution of the Contract, shall affect or modify any of the terms or obligations of the Contract Documents.

3.6 Indemnity:

- A. To the maximum extent permitted by law, the Contractor shall indemnify, save harmless and defend UOSA, or any employee of UOSA, against liability for any suits, actions, or claims of any character whatsoever, whether in tort, contract or other remedy, arising from or relating to the performance of the Contractor or its Subcontractors under this Contract. This indemnification obligation shall include but not be limited to attorneys' fees and other costs or fees commonly associated with litigation.
- B. UOSA does not agree to indemnify the Contractor for any reason, or to "hold harmless" the Contractor or others for any matters relating to this Contract or for performance or non-performance of work hereunder.
- C. The Contractor shall be responsible for its Work and every part thereof, and for all materials, equipment, and property of any and all description used in connection therewith. The Contractor assumes all risks of direct and indirect damage or injury to any person or property wherever located, resulting from any action, omission, commission, or operation under the contract, or in connection in any way whatsoever with the contracted work.
- D. The Contractor shall immediately notify the Contract Manager of any claim or suit made or filed against the Contractor or its Subcontractors regarding any matter resulting from or related to the Contractor's obligations under the Contract, and shall keep UOSA reasonably informed of the status of such claim. The Contractor will cooperate, assist, and consult with UOSA in the defense or investigation of any suit or action made or filed against UOSA as a result of or relating to the Contractor's performance under this Contract.

3.7 Insurance: The Contractor shall, during the continuance of all work under the contract provide and agree to maintain the following:

- A. **General Insurance Requirements:** Before commencing work, the Contractor shall procure and maintain at its own expense, minimum insurance in forms and with insurance companies acceptable to UOSA to cover loss or liability arising out of the Work. All insurance policies must be from insurers authorized to conduct business within Commonwealth of Virginia and must have a Best's rating of at least A- and a financial size of class VIII or better in the latest edition of Best's Insurance Reports.

- B. **Workers' Compensation and Employers' Liability Insurance:** The Contractor shall obtain Statutory Workers' Compensation Insurance covering injury to employees of the Contractor while performing work within the scope of their employment and Employers' Liability Insurance with limits of at least \$100,000/\$500,000/\$100,000.
- C. **Required Commercial General Liability Insurance:** This insurance must be written on an "occurrence" basis and shall be endorsed to include UOSA as an additional insured and shall provide at a minimum the following:

General Aggregate Limit (Other than Products-Completed Operations)	\$1,000,000
Products-Completed Operations Aggregate Limit	\$ 500,000
Personal & Advertising Injury Limit	\$ 500,000
Each Occurrence Limit	\$ 500,000

- D. **Business Automobile Liability Insurance:** This insurance shall apply to any auto, including all owned, hired and non-owned vehicles, covering Bodily Injury and Property Damage with a combined single limit of at least \$500,000 each accident.
- E. **Professional Liability Insurance, Errors & Omissions:** This insurance shall be written on a "claims made" basis, and shall be provided to UOSA during the course of the Project and continuing for at least three (3) years after completion of construction. Minimum coverage amount \$1,000,000.
- F. **Certificates of Insurance:** The Contractor shall provide UOSA with a certificate of insurance evidencing the required coverage before commencing with the work. Insurance certificates shall provide that UOSA be notified at least 30 days prior to any change or cancellation of the said insurance policies.

3.8 Latent Defects: No failure on the part of either the Owner to discover and either to condemn or reject Work which does not comply with the intent and requirements of the Contract Documents shall be construed to imply acceptance thereof. The Owner reserves and retains all of its rights and remedies at law or in equity against the Contractor for correction of any and all defective or nonconforming Work whenever discovered, whether before, during or after the Warranty Period.

No tests or inspections conducted by the Owner or others shall relieve the Contractor of its obligations to execute the Work in strict compliance with the requirements of the Contract Documents and to correct defective or nonconforming Work not initially identified by the Owner or others at the time of tests or inspections but discovered subsequently.

3.9 Liquidated Damages: Should the Contractor fail to achieve Acceptance or Final Acceptance of the Work within the periods of time required by the Contract Documents, the Contractor shall reimburse the Owner for the additional expense and damage incurred by the Owner as a result thereof for each calendar day that the Work, or any defined portion thereof, remains uncompleted. The parties hereby agree that the damages to the Owner for the continued expense of completion of the Work and on account of the value of the operation of the facilities which are dependent upon such completion are anticipated to be substantial but are not readily ascertainable. It therefore is agreed that the amount of such additional expense and damage incurred by the Owner by reason of a failure to complete the Work within the required times shall be the per diem rates stipulated in the Contract Documents. It is expressly understood and agreed that these amounts are not to be considered in the nature of a penalty, but as Liquidated Damages. The Contractor hereby waives any defense as to the validity of any Liquidated Damages under the Contract as they may appear on the grounds that such Liquidated Damages are void as penalties or are not reasonably related to actual damage. The Owner shall deduct from funds otherwise due the Contractor Liquidated Damages which have been assessed. In the event more than one ground for assessment of Liquidated Damages as provided by the Contract Documents exists concurrently, such grounds shall be deemed to be independent and all applicable Liquidated Damages shall be deducted cumulatively.

3.10 Ownership of the Work: Upon Final Acceptance, UOSA shall own all the Work, including, but not limited to, all technologies, materials, software and processes provided under this Contract, except as specifically agreed to by the parties in a Supplemental Agreement prior to the performance of that portion of the Work that the Contractor does not intend to turn over ownership to UOSA. The presumption is that all Work will become UOSA's property with UOSA's ability to exercise control and access to all portions of the Work.

The Contractor, shall indemnify and hold harmless UOSA, its employees and officers from liability of any nature or kind, including cost and expenses for or on account of any copyrighted, patented, or un-patented invention, process or article provided by the Contractor.

If the Contractor uses any design, device, or materials covered by letters, patent, copyright, or licenses, all royalties and/or costs arising from the use of such design, device or materials in any way involved in the work are included in the Contract Price.

3.11 Right to Accept Defective or Nonconforming Performance: If any part or portion of the Work shall prove defective or nonconforming or otherwise not in accordance with the intent and requirements of the Contract Documents, the Owner, at its sole discretion, shall have the right and authority to accept such Work and make such deductions in the payment therefore as may be just and reasonable. The Owner shall be under no obligation to accept any defective or nonconforming Work.

3.12 Site Safety and Access:

- A. UOSA shall have the right to deny access to the Site, or require the Contractor to remove from the Site, any individual who has exhibited violent, abusive, threatening, negligent, careless, or dangerous behavior or conduct.
- B. UOSA may limit, restrict, or prohibit access to areas of the Site on a permanent or temporary basis. When access to such restricted areas is required by the Contractor to perform the Work, the Contractor shall obtain permission from the UOSA Contract Manager and shall comply with such conditions or limitations to access as may be imposed by the UOSA Contract Manager.
- C. UOSA may restrict parking or require parking permits for vehicles to be brought onto the plant. The Contractor shall be responsible for arranging transportation for its personnel to reach the job sites from whatever parking area is provided by UOSA.

3.13 Termination:

For Convenience:

The Owner may terminate performance of the Work under the Contract for its convenience in whole, or from time to time in part, whenever the Owner determines that such termination is in the best interest of the Owner.

Upon receipt of such Notice of Termination, the Contractor shall immediately, to the extent of the termination:
stop Work;

place no further subcontracts or orders for materials or services;

transfer title and deliver to the Owner all materials and Equipment for which the Owner has made payment or will make payment pursuant to this Article, and turn over to the Owner all complete or partial Drawings, releases, information, manuals and other such documentation related to such materials and Equipment;

assign to Owner all Subcontracts as designated by Owner to be assigned and terminate all other subcontracts; and
commence demobilization and removal of operations from the Site (if applicable).

The Owner will pay all reasonable costs associated with the Contract that the Contractor had incurred up to the date of Termination and reasonable demobilization costs. However, the Contractor shall not be reimbursed for any profit and/or overhead that had not been earned up to the date of termination.

For Cause:

If the Contractor is in default, written Notice of such default shall be given to the Contractor. If the Contractor does not cure such default within ten (10) days following such Notice, the Owner may:

1. terminate the Contract by written Notice;
2. withhold further payment to the Contractor until satisfactory performance has resumed;
3. transfer the obligation to perform the Contract from the Contractor to the Surety (if any);
4. take over the Work as a whole or that portion of the Work which has been improperly performed or not timely executed, and make good the deficiencies and deduct the cost thereof from the payments then or thereafter due the Contractor. Any such action by the Owner shall not prejudice any warranty rights of the Owner nor any rights of the Owner under the Contractor's Payment Bond or Performance Bond (if any) or general Virginia law. Provided, however, the Owner may so proceed without such Notice if an emergency or danger to the Work or the public exists; and/or
5. all finished or unfinished Work provided by the Contractor shall, at the Owner's option, become the Owner's property.

Upon determination of the damages resulting to the Owner as a result of Contractor's default, if the amount due Contractor for Work properly performed prior to Contractor's receipt of Notice of Termination exceeds the Owner's damages, the Owner shall pay such excess to the Contractor. If the damages to the Owner exceed the amount due Contractor for Work properly performed prior to Contractor's receipt of Notice of Termination, the Contractor shall pay such excess to the Owner.

The Owner may avail itself of any other legal remedy to protect its interests and recoup its damages.

If the Contractor is sold, bought, goes bankrupt, or goes into receivership, the Owner reserves the right to terminate for cause.

The Owner may cancel this solicitation at any time and for any reason prior to execution of the Contract

3.14 Time is of the Essence: All time limits stated in the Contract Documents, including but not limited to the time for completion of the Work, are of the essence.

3.15 Virginia Freedom of Information Act- Disclosure of Information: As a public body, the Owner is subject to the Virginia Freedom of Information Act and its records are public records except as defined in that statute. Any information which the Contractor deems to be confidential or proprietary shall be marked by the Contractor in accordance with the Virginia Freedom of Information Act. No separate non-disclosure agreement will be provided.

3.16 Warranty: The Contractor shall warrant that, unless otherwise specified, all Materials and Equipment incorporated in the Work under the Contract shall be new, in first class condition, and in strict accordance with the Contract Documents. The Contractor further shall warrant that all Workmanship shall be of the highest quality and in strict accordance with Contract Documents and shall be performed by persons qualified at their respective trades.

Warranty Period. All warranties and guarantees against any defect in the Work, including materials, equipment and parts, shall apply from the date of Acceptance of the Work and shall continue for a period of one (1) year thereafter.

All warranties set forth in the IFB or RFP or in any other Contract Document are separate and independent from and in addition to any of the Contractor's other guarantees or obligations in any Contract awarded as a result of this solicitation.

In addition to the foregoing warranties, Contractor shall warrant that (1) the Work performed and materials to be supplied are fit and sufficient for the purpose intended; (2) the Work performed and the materials supplied are merchantable, of good quality and free from defects, whether patent or latent, in material or workmanship; and (3) the Work performed and the materials provided conform to the Specifications of the solicitation. To the extent that Contractor engages Subcontractors or Vendors, Contractor shall ensure that all Subcontractors and Vendors provide these same warranties to the Owner. Such Subcontractor or Vendor warranties shall not be in lieu of or otherwise relieve Contractor of its warranty obligations as stated in this solicitation or in any Contract Document.

Any implied warranties, including but not limited to the warranty for "Merchantability and Fitness for A Particular Purpose" are not waived and are a mandatory part of this solicitation and any ensuing Contract.

Work not conforming to any warranty shall be considered defective.

The Contractor hereby agrees to make at its expense, all repairs or replacements necessitated by defects or non-conformities in the Work, including Materials, Equipment and Parts, and to pay for any damage to other work resulting from such defects or non-conformities which become evident at any time prior to the expiration of any applicable Warranty Period or such longer period of time as may be prescribed by law or by the terms of any applicable special warranty required by the Contract Documents or otherwise provided. Defects or non-conformities which are remedied as a result of obligations of the warranty shall subject the remedied portion of the Work to an extended

Warranty Period of one (1) year from the date upon which such defect or nonconformity was fully remedied or from the date of Final Acceptance, whichever is later. The Contractor must submit to the Owner a written certification that the item of defective or nonconforming Work has been corrected. Un-remedied defects or non-conformities identified for correction during the Warranty Period but remaining after its expiration shall be considered as part of the obligations of the warranty.

No tests or inspections conducted by the Owner, its Engineer or others shall relieve the Contractor of its obligations to execute the Work in strict compliance with the requirements of the Contract Documents and to correct defective or nonconforming Work not initially identified by the Owner, the Engineer or others at the time of tests or inspections, but discovered subsequently.

The Contractor further shall assume responsibility for a similar warranty for all Work provided by Subcontractors, Manufacturers or Manufacturers/Suppliers.

The Contractor shall agree to hold the Owner harmless from liability of any kind arising from damage due to said defects or non-conformities. The Contractor shall make all repairs and replacements promptly upon receipt of written order for same from the Owner. If the Contractor after receipt of written demand for repair from Owner fails to make or complete the repairs and replacements within fourteen (14) days, or within such lesser time as in the opinion of the Owner may be necessary to avoid serious impairment to the operation of the facilities or to prevent a threat to health or safety, or if the Owner otherwise has a reasonable grounds to determine that the Contractor will not perform the Work in question, the Owner may perform such repairs or replacements and the Contractor shall be liable for the cost thereof. Any condition of such urgency that in the opinion of the Owner immediate corrective action is required may be remedied by the Owner without prior Notice to the Contractor, and the Contractor shall be liable for the cost thereof. Any such corrective action taken by the Owner shall be without prejudice to the Contractor's warranty obligations as set forth herein, which shall remain in full force and effect as if such corrective measures had been taken by the Contractor. In addition to the extension of the Warranty Period otherwise provided in this Article, the Warranty Period of any Work item requiring repair shall be extended by the number of days in excess of fourteen (14) days following written demand for correction required to accomplish the repairs to the satisfaction of the Owner. Any repetitive Equipment malfunction identified within the Warranty Period shall remain under warranty until it has been fully corrected and has performed without malfunction for one full year.

ARTICLE IV **PAYMENT**

4.0 Acceptance of Final Payment Constitutes Release: The acceptance by the Contractor of final payment shall release the Owner and the Engineer, as representative of the Owner, from all claims and all liability to the Contractor for all things done or furnished in connection with the Work, and from every act of the Owner and others relating to or arising out of the Work. No payment, however, final or otherwise, shall operate to release the Contractor or its Sureties from obligations under the Contract Documents.

4.1 Payment:

A. Invoices:

Invoices for completed Work shall be submitted by the Contractor directly to the payment address shown on the Purchase Order/Contract. Invoices shall show the Owner's Purchase Order or Contract number and either the social security number (for individual Contractors) or the federal employer identification number (for proprietorships, partnerships, and corporations) and are subject to review and approval by the Owner's Contract Manager.

B. Partial Payments:

Requests for partial payments or advance payments must be submitted as part of the Bid or Proposal along with a justification. The Owner reserves the right to accept, reject or negotiate requests for partial payments. If the request is rejected, the Bidder/Offeror must waive the requirement in order to remain in consideration.

C. Refunds:

If the Contractor is declared to be in default, the Owner will be eligible for a full and immediate refund for payments made to the Contractor.

4.2 Price Firm Period and Cost Increases (if applicable):

A. Bid/Proposal Prices:

Pricing shall be firm and fixed as originally bid/proposed and accepted. Contract pricing for additional materials, options, accessories, labor (including subcontractors), etc., will be firm and fixed for the initial 12-month contract period. Surcharges (i.e. fuel surcharges) shall NOT be allowed to be added to invoices as an additional line item. All charges shall be included in the price bid on the Bid Summary Sheet or provided as a Cost Proposal in response to an RFP. Any provision of the Contract Documents which imposes any responsibility or performance obligation upon the Contractor shall be deemed to include the phrase 'within the contract price'.

B. Annual Increases for Labor, Materials and Maintenance:

1. After the first year (and any year thereafter), contract prices may not be increased by more than the Cost of Living as indicated in the Consumer Price Index – Urban (i.e., "CPI-U") for the calendar month ending two months before the expiration month of the then current contract year.
2. Increases based upon factors other than the CPI (e.g., Force Majeure, etc.) may be submitted when and, as they occur providing that sufficient detailed supporting documentation is included with the request. The Owner reserves the right to reject any such request or negotiate a mutually agreeable price.
3. The Owner reserves the right to periodically check market pricing for similar services. Based upon those findings the Owner reserves the right to require the Contractor to enter into negotiations to arrive at pricing consistent the competitive marketplace. Failure to arrive at acceptable contract pricing may result in cancellation and rebid the contract.

4.3 Prompt Payment:

- A. The Contractor shall take one of the two following actions within seven days after receipt of amounts paid to the Contractor by the Owner for work performed by any Subcontractor(s) under the Contract:

1. The Contractor shall pay its Subcontractor(s) or for the proportionate share of the total payment received from the Owner attributable to the work performed by the Subcontractor under that contract; or
 2. Notify the Owner and any Subcontractor(s), in writing, of his intention to withhold all or a part of the Subcontractor's payment with the reason for nonpayment.
- B. Bidders shall include in their bid submissions either: (i) if an individual Contractor, their social security numbers; and (ii) proprietorships, partnerships, and corporations to provide their federal employer identification numbers.
- C. The Contractor shall pay interest to the Subcontractor(s), on all amounts owed by the Contractor that remain unpaid after seven days following receipt by the Contractor of payment from the Owner for work performed by the Subcontractor under the Contract, except for amounts withheld as allowed under A above.
- D. Unless otherwise provided under the terms of this Contract, interest shall accrue at the rate of .10% percent per month.
- E. The Contractor shall include in each of its Subcontracts a provision requiring each Subcontractor to include or otherwise be subject to the same payment and interest requirements with respect to each lower-tier Subcontractor.
- F. A Contractor's obligation to pay an interest charge to a Subcontractor pursuant to the payment clause in this section shall not be construed to be an obligation of the Owner. A contract modification shall not be made for the purpose of providing reimbursement for the interest charge. A cost reimbursement claim shall not include any amount for reimbursement for the interest charge.
- 4.4 Release of Liens and Claims (where applicable):** The Contractor hereby acknowledges and agrees that the Owner is an agency of the Government and as such its property is immune from mechanic's liens. The Contractor hereby waives any and all mechanics' rights it may purport to have, and agrees that it shall neither file nor assert any such lien claim.

As a condition precedent to final payment for the Work, the Contractor shall sign and deliver to the Owner a release of liens and claims sworn to under oath and duly notarized. The release shall state that the Contractor has satisfied all claims and indebtedness of every nature in any way connected with the Work, including, but not limiting the generality of the foregoing, all payrolls, amounts due to subcontractors, accounts for labor performed and materials and equipment furnished, incidental services liens, and judgments.

ARTICLE V **DELIVERY**

- 5.0 Default:** In case of default by the Contractor, or failure to deliver the supplies or services ordered by the time specified, the Owner, after due notice (oral or in writing), will cure the failure by procuring the items ordered from other sources and hold Contractor responsible for any excess cost occasioned thereby.
- 5.1 Discounts:** If discount for prompt payment is allowed, the discount period will begin on the date of receipt of proper invoice, or material/service, whichever is later.
- 5.2 Strict Adherence to Contract Documents:**
- A. Goods or Services delivered must be strictly in accordance with the Contract Documents and shall not deviate in any way therefrom. Equipment, materials and/or supplies delivered on this order shall be subject to inspection and test upon receipt. If rejected, they shall remain the property of the vendor and the order shall be considered as not received.
 - B. Contractor shall provide the exact quantities specified on this order. The Owner will not pay for overages and if delivered the Owner will – at its sole option and discretion – either return the additional quantities to the seller, at the seller's risk and expense, or accept the additional quantities at no additional cost to the Owner.
- 5.3 Taxes and Freight:**
- A. Deliveries against this order must be free of excise or transportation taxes.
 - B. All prices unless otherwise specified are F.O.B. Destination, Freight Prepaid and Allowed.

ARTICLE VI **MISCELLANEOUS TERMS**

- 6.0 Assignment of Interest:** The Contractor shall not assign any interest in the Contract and shall not transfer any interest in the same.
- 6.1 Cooperative Procurement:** Subject to the mutual agreement between the parties, any contract awarded on the basis of this solicitation may be used by any public entity to enter into a contract for the services described and defined herein, with the successful Bidder/Officer.
- Except for contracts for professional services, a public body may purchase from another public body's contract even if it did not participate in the procurement process if the procurement was designated as a cooperative procurement to which other public bodies may participate. This is such a cooperative procurement. However, the Contractor is under no obligation to participate with other public bodies.
- 6.2 Equal Opportunity:** The Upper Occoquan Service Authority does not discriminate against any bidder or offeror in the solicitation or awarding of contracts because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment
- 6.3 Governing Law:** Notwithstanding Offeror's submitted terms and conditions to the contrary and without regard to conflicts of law principles, the solicitation and any resulting Contract shall be governed in all respects by the laws of the Commonwealth of Virginia.
- 6.4 Hard Hat Area:** Contractor's employees shall wear hard hats while working in areas designated as hard hat areas by the Owner's Safety Officer.

- 6.5 Hours of Operation and Holidays:** The Owner's typical work schedule is 8:00 a.m. through 4:30 p.m. Monday through Friday excluding the Owner's holidays. Contractor's access to work sites and work areas shall be limited to these same days and hours, but may be modified with the prior written approval of the Owner's Contract Manager. In any event and under all circumstances, the unilateral decision of the Owner's Contract Manager regarding access to the Owner's facilities shall be final. The following list identifies the twelve (12) Owner's Holidays that are normally taken and should be included by the Contractor in its planned Work schedule as non-Work days:

New Year's Day
Martin Luther King Day
President's Day
Memorial Day
Independence Day
Labor Day
Veterans Day
Thanksgiving Day
Friday after Thanksgiving Day
Christmas Day
Christmas Eve or Day after Christmas
New Year's Eve

- 6.6 Partial Invalidity/Waiver:** Neither any payment for, nor acceptance of, the whole or any part of the services by the Owner, nor any extension of time, shall operate as a waiver of any provision of any Contract resulting from this IFB/RFP, nor of any power herein reserved to the Owner, or any right to damages herein provided, nor shall any waiver of any breach of any Contract be held to be a waiver of any other or subsequent breach. Failure of the Owner to require compliance with any term or condition of any Contract shall not be deemed a waiver of such term or condition or a waiver of the subsequent enforcement thereof.
- 6.7 Taxes:** The Owner is exempt from Federal Excise Taxes, Virginia State Sales and Use Taxes, and the District of Columbia Sales Taxes and Transportation Taxes. The Owner's federal tax identification number is 54-0902952.

Attachment B – Solicitation Response Form



Upper Occoquan Service Authority

Purchasing Department

14631 Compton Rd, Centreville, VA 20121

• (703) 830-2200

• Purchasing@uosa.org

Solicitation Response Form

IFB/RFP Number: 21-07

Title: Provide Bulk Refuse, Grit, and Screenings Removal and Recycling Services

Company Identification

Name _____
Mailing _____
Address _____
Remit _____
Address _____
FEIN # _____

Contact Name _____
Title _____
Phone _____
Fax _____
Email _____
VA SCC ID # _____

**Pursuant to VA Code § 2.2-4311.2, an offeror organized or authorized to transact business in the Commonwealth must include its VA SCC provided ID# or proof of pending application for SCC authorization. If offeror is exempt from SCC authorization requirement they shall include, as a separate attachment, a statement accurately and completely reflecting why the offeror does not need to be so authorized. See Section 2.2 in the Standard Terms and Conditions.*

Company Classification

Principal place of business located in (state) _____ State of incorporation _____

Check one: Sole Prop. ☐ Partnership ☐ Limited Partnership ☐ Corporation ☐ Limited Liability Corporation ☐

Check all that apply: Small ☐ Women Owned ☐ Minority Owned ☐ Service Disabled Veteran Owned ☐

Addenda Receipt Confirmation:

Addendum # _____ ☐, Addendum # _____ ☐, Addendum # _____ ☐, Addendum # _____ ☐, Addendum # _____ ☐

Confirmation of Compliance to Solicitation Requirements, Terms and Conditions

The undersigned offers and agrees to furnish the goods, and/or services requested in solicitation [] in accordance with the attached offer. The undersigned certifies that they have read and understand all standard and supplemental terms and conditions provided in the aforementioned solicitation including but not limited to Standard Terms and Conditions Section 2.1 - Collusion, Section 2.2 - Compliance with Laws and Section 2.9 - Ethics in Public Contracting.

The attached offer is in accordance with all specifications and offeror accepts all terms and conditions contained in and incorporated by reference into the solicitation,

☐ with no exceptions.

☐ with the following exceptions/modifications (provided as separate attachment).

Note: Any material exceptions to solicitation specifications, terms or conditions will render an offer non-responsive. UOSA, in its sole discretion, will determine what constitutes a material exception.

Authorized Signature _____
(must be original, ink signature)

Date _____

Printed Name _____

Title _____

Submission Checklist – The following documents and forms are required as part of your submission. See Section 1.8

Attachment B - Solicitation Response Form	<input type="checkbox"/>	Confirmation of addenda receipt (indicated above)	<input type="checkbox"/>
Attachment C - References	<input type="checkbox"/>		<input type="checkbox"/>
Attachment D - Bid Summary Sheet	<input type="checkbox"/>		<input type="checkbox"/>
List of Alternate Disposal Locations	<input type="checkbox"/>		<input type="checkbox"/>

Attachment C - References

Reference 1:

Company Name:	
Address:	
Contact Person:	
Telephone:	
Fax:	
Email:	
Description and years of Work:	

Reference 2:

Company Name:	
Address:	
Contact Person:	
Telephone:	
Fax:	
Email:	
Description and years of Work:	

Reference 3:

Company Name:	
Address:	
Contact Person:	
Telephone:	
Fax:	
Email:	
Description and years of Work:	

Reference 4:

Company Name:	
Address:	
Contact Person:	
Telephone:	
Fax:	
Email:	
Description and years of Work:	

Reference 5:

Company Name:	
Address:	
Contact Person:	
Telephone:	
Fax:	
Email:	
Description and years of Work:	

This form must be included with your submission.
End of Attachment C

Attachment D - Bid Summary Sheet

Prices bid shall contain all surcharges, tipping fees, environmental fees, etc. UOSA will only accept and pay one fixed price per container. No additional fees submitted with the invoice will be accepted. Any such fees submitted with the invoice will be subtracted from the total amount shown on the invoice. Any and all additional fees not submitted with this bid submission must be requested in writing to the UOSA Purchasing Department and authorized before being applied to any invoice. In the event of discrepancies between unit prices and calculated totals the unit pricing shall prevail.

Item	Description of goods/services:	Quantity To Pick up (Est.)	Unit Price per collection	Yearly Total	Monthly Invoice Amount (Yearly Total/12)	Increase/Decrease in cost per container for alternate site
1.	Two (2) cubic yard containers (Grit and Screenings at an average weight of 1800 lbs. per container)	858 / year	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
2.	Four (4) cubic yard containers (Screenings at an average weight 1900 lbs. per container)	910 / year	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
3.	Four (4) cubic yard container (MSW – office trash)	156 / year	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
4.	Eight (8) cubic yard container (MSW – office trash)	312 / year	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
5.	Eight (8) cubic yard container (SSR)	104 / year	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
6.	Fixed Monthly Invoice Amount (lines 1-5)				\$	
PERMANENT ON-SITE ROLL-OFF CONTAINER (on-call pickup)						
7.	30 Cubic Yard Roll-Off - General Debris Including 4 tons weight	12 / year est.	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
8.	30 Cubic Yard Roll-Off - Wood Including 4 tons weight	12 / year est.	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
9.	20 Cubic Yard Roll-Off (Metal) Including 4 tons weight	12 / year est.	\$	\$	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
10.	Estimated Yearly Total (lines 1-5, 7-9)*			\$		

*contract award to be based on line 10 yearly total above

TEMPORARY ON-CALL ROLL-OFF CONTAINERS - (as needed)				
11.	On-call Roll-Off - General Debris/Construction Materials (including up to 4 tons weight)	10 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
		20 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
		30 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
12.	On-call Roll-Off w/ liner - Non-Hazardous Water Treatment Material (e.g. ERP Dredgings, Spent Activated Carbon, SulfaTreat) (including up to 4 tons weight)	10 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
		20 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
		30 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
13.	On-call Roll-Off – Fill Dirt/Mixed Brush (including up to 4 tons weight)	10 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
		20 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$
		30 CY	\$	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease \$

Indicate charge for container weights in excess of 4 tons: \$_____ per ton.

Monthly charge for Flat Branch Pump Station Service (8CY MSW collected once per week) See section 2.4 \$ _____

Performance Bond Cost (See Section 2.6) equaling 50% of annual contract price: \$ _____

Indicate whether any processing fees will apply to credit card payments: ☐ yes ☐ no. If yes indicate fee: _____

In compliance with this Invitation for Bids and to all the terms, conditions, and specifications imposed therein and hereby incorporated by reference, the undersigned offers and agrees to furnish the goods and/or services described herein.

Company Name: _____ Authorized Signature: _____ Date: _____

Printed Name: _____ Title: _____ Phone Number: _____

This form must be included with your submission.

End of Attachment D



1432 Air Rail Avenue, Virginia Beach, VA 23455-3002 • 757 460.4205 • Fax: 757.460.6586 • www.hrsd.com

04/04/17 - UOSA - Upper Occoquan Service Authority - TCLP

This analytical report contains 29 pages

Elaine Bangura

Elaine.Bangura@uosa.org

UOSA

14631 Compton Road

Centreville, VA 20121-2506

cc: Danny Barker, TSD Environmental Scientist

dbarker@hrsdc.com

Date Emailed: 05/04/17

HRSD CEL, Central Environmental Laboratory is VELAP/NELAC accredited by
DCLS, the Division of Consolidated Laboratory Services.

VA Laboratory ID#: 460011

Analytical test results meet all requirements of VELAP/NELAC unless otherwise noted under the analysis.

Test results relate only to the sample tested. Clients should be aware that a critical step in chemical or
microbiological analysis is the collection of the sample.

This report may not be reproduced, except in full, without written approval from HRSD.

If you have any questions concerning this report, please do not hesitate to contact

Danny Barker, TSD Environmental Scientist at (757) 460-4247.

dbarker@hrsdc.com

Robin Parnell, CEL Laboratory Manager at (757) 460-4203.

rparnell@hrsdc.com

Kim Holmes, CEL / MAP Coordinator at (757) 460-4205.

khomes@hrsdc.com



CENTRAL ENVIRONMENTAL
LABORATORY
ANALYTICAL REPORT
VA Laboratory ID 460011



Job ID: UOSA_TCLP-3-APR-17-1

Report Serial No.: 2017-1021

Sample ID: UO_GSC-G-040417-1

Sample Date: 4/4/2017

Customer Sample ID: UOSA - Grit Screening at Headworks

Sample ID: 739376

Sample Sub-Type: SAMP

Analyte	Method	CAS#	Unit	Result	Flag	LOQ	Analyst	Analysis Date	Analysis Time
Arsenic, Total	EPA 6010D	7440-38-2	mg/l	<0.030		0.030	SLABOCKI	04/18/17	13:33
Barium, Total	EPA 6010D	7440-39-3	mg/l	0.135		0.050	SLABOCKI	04/20/17	08:56
Cadmium, Total	EPA 6010D	7440-43-9	mg/l	<0.005		0.005	SLABOCKI	04/18/17	13:33
Chromium, Total	EPA 6010D	7440-47-3	mg/l	<0.010		0.010	SLABOCKI	04/18/17	13:33
Lead, Total	EPA 6010D	7439-92-1	mg/l	<0.020		0.020	SLABOCKI	04/18/17	13:33
Selenium, Total	EPA 6010D	7782-49-2	mg/l	<0.100		0.100	SLABOCKI	04/18/17	13:33
Silver, Total	EPA 6010D	7440-22-4	mg/l	<0.005		0.005	SLABOCKI	04/18/17	13:33
Mercury, Total	EPA 7470A	92786-62-4	mg/l	<0.0001		0.0001	CSAWYER	04/13/17	13:42
Chlordane	EPA 8081B	00057-74-9	mg/l	<0.0002		0.0002	MBOGGIO	04/21/17	08:06
Endrin	EPA 8081B	00072-20-8	mg/l	<0.0005		0.0005	MBOGGIO	04/24/17	11:16
Heptachlor	EPA 8081B	00076-44-8	mg/l	<0.0005		0.0005	MBOGGIO	04/24/17	11:16
Heptachlor Epoxide	EPA 8081B	01024-57-3	mg/l	<0.0005		0.0005	MBOGGIO	04/24/17	11:16
Lindane	EPA 8081B	00058-89-9	mg/l	<0.0005		0.0005	MBOGGIO	04/24/17	11:16
Methoxychlor	EPA 8081B	00072-43-5	mg/l	<0.0005		0.0005	MBOGGIO	04/24/17	11:16
Toxaphene	EPA 8081B	08001-35-2	mg/l	<0.0005		0.0005	MBOGGIO	04/21/17	08:06
AR1016	EPA 8082A	12674-11-2	mg/l	<0.001		0.001	MBOGGIO	04/21/17	08:06
AR1221	EPA 8082A	11104-28-2	mg/l	<0.001		0.001	MBOGGIO	04/21/17	08:06
AR1232	EPA 8082A	11141-16-5	mg/l	<0.001		0.001	MBOGGIO	04/21/17	08:06

Notes

LOQ is lowest concentration at which quantitation is demonstrated.

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CENTRAL ENVIRONMENTAL
LABORATORY
ANALYTICAL REPORT
VA Laboratory ID 460011



Job ID: UOSA_TCLP-3-APR-17-1

Report Serial No.: 2017-1021

Sample ID: UO_GSC-G-040417-1

Sample Date: 4/4/2017

Customer Sample ID: UOSA - Grit Screening at Headworks

Sample ID: 739376

Sample Sub-Type: SAMP

Analyte	Method	CAS#	Unit	Result	Flag	LOQ	Analyst	Analysis Date	Analysis Time
AR1242	EPA 8082A	53469-21-9	mg/l	<0.001		0.001	MBOGGIO	04/21/17	08:06
AR1248	EPA 8082A	12672-29-6	mg/l	<0.001		0.001	MBOGGIO	04/21/17	08:06
AR1254	EPA 8082A	11097-69-1	mg/l	<0.001		0.001	MBOGGIO	04/21/17	08:06
AR1260	EPA 8082A	11096-82-5	mg/l	<0.001		0.001	MBOGGIO	04/21/17	08:06
Total Aroclors	EPA 8082A		mg/l	<0.007		0.007	MBOGGIO	04/21/17	08:06
2,4,5-Trichlorophenol	EPA 8270D	95-95-4	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	15:28
2,4,6-Trichlorophenol	EPA 8270D	88-06-2	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	15:28
2,4-Dinitrotoluene	EPA 8270D	121-14-2	mg/l	<0.010		0.010	IGERASIMOV	05/01/17	21:28
Hexachlorobenzene	EPA 8270D	118-74-1	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	15:28
Hexachlorobutadiene	EPA 8270D	87-68-3	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	15:28
Hexachloroethane	EPA 8270D	67-72-1	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	15:28
Nitrobenzene	EPA 8270D	98-95-3	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	15:28
Pentachlorophenol	EPA 8270D	87-86-5	mg/l	<0.010		0.010	IGERASIMOV	05/01/17	21:28
Pyridine	EPA 8270D	110-86-1	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	15:28
Total Cresol	EPA 8270D		mg/l	0.035		0.020	IGERASIMOV	04/26/17	15:28
m/p-Cresol	EPA 8270D	106-44-5	mg/l	0.035		0.010	IGERASIMOV	04/26/17	15:28
o-Cresol	EPA 8270D	95-48-7	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	15:28
1,1-Dichloroethene	EPA 8260C	75-35-4	mg/l	<0.010		0.010	JSPUTE	04/17/17	19:15

Notes

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CENTRAL ENVIRONMENTAL
LABORATORY
ANALYTICAL REPORT
VA Laboratory ID 460011



Job ID: UOSA_TCLP-3-APR-17-1

Report Serial No.: 2017-1021

Sample ID: UO_GSC-G-040417-1

Sample Date: 4/4/2017

Customer Sample ID: UOSA - Grit Screening at Headworks

Sample ID: 739376

Sample Sub-Type: SAMP

Analyte	Method	CAS#	Unit	Result	Flag	LOQ	Analyst	Analysis Date	Analysis Time
1,2-Dichloroethane	EPA 8260C	107-06-2	mg/l	<0.010		0.010	JSPUTE	04/17/17	19:15
1,4-Dichlorobenzene	EPA 8260C	106-46-7	mg/l	<0.010		0.010	JSPUTE	04/17/17	19:15
2-Butanone	EPA 8260C	78-93-3	mg/l	<0.010		0.010	JSPUTE	04/17/17	19:15
Benzene	EPA 8260C	71-43-2	mg/l	<0.010		0.010	JSPUTE	04/17/17	19:15
Carbon Tetrachloride	EPA 8260C	56-23-5	mg/l	<0.010		0.010	JSPUTE	04/17/17	19:15
Chlorobenzene	EPA 8260C	108-90-7	mg/l	<0.010		0.010	JSPUTE	04/17/17	19:15
Chloroform	EPA 8260C	67-66-3	mg/l	<0.010		0.010	JSPUTE	04/17/17	19:15
Tetrachloroethene	EPA 8260C	127-18-4	mg/l	<0.010		0.010	JSPUTE	04/17/17	19:15
Trichloroethene	EPA 8260C	79-01-6	mg/l	<0.010		0.010	JSPUTE	04/17/17	19:15
Vinyl Chloride	EPA 8260C	75-01-4	mg/l	<0.010		0.010	JSPUTE	04/17/17	19:15
Total Solids	SM 2540G, 2011		%	68.86		1.00	KMCMINN	04/08/17	12:24
pH	EPA 9045D		su	6.08		NA	JCOOK	04/05/17	16:26
Free Liquid	EPA 9095B			Negative		NA	ANROBERTS	04/05/17	15:38
Ignitability	EPA 1030			Negative		NA	ANROBERTS	04/17/17	10:42

Notes

LOQ is lowest concentration at which quantitation is demonstrated.

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CENTRAL ENVIRONMENTAL
LABORATORY
ANALYTICAL REPORT
VA Laboratory ID 460011



Job ID: UOSA_TCLP-3-APR-17-1

Report Serial No.: 2017-1021

Sample ID: UO_SC-G-040417-1

Sample Date: 4/4/2017

Customer Sample ID: UOSA - Screening at Headworks

Sample ID: 739379

Sample Sub-Type: SAMP

Analyte	Method	CAS#	Unit	Result	Flag	LOQ	Analyst	Analysis Date	Analysis Time
Arsenic, Total	EPA 6010D	7440-38-2	mg/l	<0.030		0.030	SLABOCKI	04/18/17	13:09
Barium, Total	EPA 6010D	7440-39-3	mg/l	0.120		0.050	SLABOCKI	04/20/17	08:32
Cadmium, Total	EPA 6010D	7440-43-9	mg/l	<0.005		0.005	SLABOCKI	04/18/17	13:09
Chromium, Total	EPA 6010D	7440-47-3	mg/l	<0.010		0.010	SLABOCKI	04/18/17	13:09
Lead, Total	EPA 6010D	7439-92-1	mg/l	<0.020		0.020	SLABOCKI	04/18/17	13:09
Selenium, Total	EPA 6010D	7782-49-2	mg/l	<0.100		0.100	SLABOCKI	04/18/17	13:09
Silver, Total	EPA 6010D	7440-22-4	mg/l	<0.005		0.005	SLABOCKI	04/18/17	13:09
Mercury, Total	EPA 7470A	92786-62-4	mg/l	<0.0001		0.0001	CSAWYER	04/13/17	13:07
Chlordane	EPA 8081B	00057-74-9	mg/l	<0.0002		0.0002	MBOGGIO	04/21/17	06:55
Endrin	EPA 8081B	00072-20-8	mg/l	<0.0005		0.0005	MBOGGIO	04/24/17	10:34
Heptachlor	EPA 8081B	00076-44-8	mg/l	<0.0005		0.0005	MBOGGIO	04/24/17	10:34
Heptachlor Epoxide	EPA 8081B	01024-57-3	mg/l	<0.0005		0.0005	MBOGGIO	04/24/17	10:34
Lindane	EPA 8081B	00058-89-9	mg/l	<0.0005		0.0005	MBOGGIO	04/24/17	10:34
Methoxychlor	EPA 8081B	00072-43-5	mg/l	<0.0005		0.0005	MBOGGIO	04/24/17	10:34
Toxaphene	EPA 8081B	08001-35-2	mg/l	<0.0005		0.0005	MBOGGIO	04/21/17	06:55
AR1016	EPA 8082A	12674-11-2	mg/l	<0.001		0.001	MBOGGIO	04/21/17	06:55
AR1221	EPA 8082A	11104-28-2	mg/l	<0.001		0.001	MBOGGIO	04/21/17	06:55
AR1232	EPA 8082A	11141-16-5	mg/l	<0.001		0.001	MBOGGIO	04/21/17	06:55

Notes

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CENTRAL ENVIRONMENTAL
LABORATORY
ANALYTICAL REPORT
VA Laboratory ID 460011

HRSD

Job ID: UOSA_TCLP-3-APR-17-1

Report Serial No.: 2017-1021

Sample ID: UO_SC-G-040417-1

Sample Date: 4/4/2017

Customer Sample ID: UOSA - Screening at Headworks

Sample ID: 739379

Sample Sub-Type: SAMP

Analyte	Method	CAS#	Unit	Result	Flag	LOQ	Analyst	Analysis Date	Analysis Time
AR1242	EPA 8082A	53469-21-9	mg/l	<0.001		0.001	MBOGGIO	04/21/17	06:55
AR1248	EPA 8082A	12672-29-6	mg/l	<0.001		0.001	MBOGGIO	04/21/17	06:55
AR1254	EPA 8082A	11097-69-1	mg/l	<0.001		0.001	MBOGGIO	04/21/17	06:55
AR1260	EPA 8082A	11096-82-5	mg/l	<0.001		0.001	MBOGGIO	04/21/17	06:55
Total Aroclors	EPA 8082A		mg/l	<0.007		0.007	MBOGGIO	04/21/17	06:55
2,4,5-Trichlorophenol	EPA 8270D	95-95-4	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	12:23
2,4,6-Trichlorophenol	EPA 8270D	88-06-2	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	12:23
2,4-Dinitrotoluene	EPA 8270D	121-14-2	mg/l	<0.010		0.010	IGERASIMOV	05/01/17	18:01
Hexachlorobenzene	EPA 8270D	118-74-1	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	12:23
Hexachlorobutadiene	EPA 8270D	87-68-3	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	12:23
Hexachloroethane	EPA 8270D	67-72-1	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	12:23
Nitrobenzene	EPA 8270D	98-95-3	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	12:23
Pentachlorophenol	EPA 8270D	87-86-5	mg/l	<0.010		0.010	IGERASIMOV	05/01/17	18:01
Pyridine	EPA 8270D	110-86-1	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	12:23
Total Cresol	EPA 8270D		mg/l	<0.020		0.020	IGERASIMOV	04/26/17	12:23
m/p-Cresol	EPA 8270D	106-44-5	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	12:23
o-Cresol	EPA 8270D	95-48-7	mg/l	<0.010		0.010	IGERASIMOV	04/26/17	12:23
1,1-Dichloroethene	EPA 8260C	75-35-4	mg/l	<0.010	IA6	0.010	JSPUTE	04/17/17	20:11

Notes

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IA6 - Internal standard retention times outside of acceptable limits due to possible matrix interference.



CENTRAL ENVIRONMENTAL
LABORATORY
ANALYTICAL REPORT
VA Laboratory ID 460011



Job ID: UOSA_TCLP-3-APR-17-1

Report Serial No.: 2017-1021

Sample ID: UO_SC-G-040417-1

Sample Date: 4/4/2017

Customer Sample ID: UOSA - Screening at Headworks

Sample ID: 739379

Sample Sub-Type: SAMP

Analyte	Method	CAS#	Unit	Result	Flag	LOQ	Analyst	Analysis Date	Analysis Time
1,2-Dichloroethane	EPA 8260C	107-06-2	mg/l	<0.010	IA6	0.010	JSPUTE	04/17/17	20:11
1,4-Dichlorobenzene	EPA 8260C	106-46-7	mg/l	<0.010	IA6	0.010	JSPUTE	04/17/17	20:11
2-Butanone	EPA 8260C	78-93-3	mg/l	<0.010	IA6	0.010	JSPUTE	04/17/17	20:11
Benzene	EPA 8260C	71-43-2	mg/l	<0.010	IA6	0.010	JSPUTE	04/17/17	20:11
Carbon Tetrachloride	EPA 8260C	56-23-5	mg/l	<0.010	IA6	0.010	JSPUTE	04/17/17	20:11
Chlorobenzene	EPA 8260C	108-90-7	mg/l	<0.010	IA6	0.010	JSPUTE	04/17/17	20:11
Chloroform	EPA 8260C	67-66-3	mg/l	<0.010	IA6	0.010	JSPUTE	04/17/17	20:11
Tetrachloroethene	EPA 8260C	127-18-4	mg/l	<0.010	IA6	0.010	JSPUTE	04/17/17	20:11
Trichloroethene	EPA 8260C	79-01-6	mg/l	<0.010	IA6	0.010	JSPUTE	04/17/17	20:11
Vinyl Chloride	EPA 8260C	75-01-4	mg/l	<0.010	IA6	0.010	JSPUTE	04/17/17	20:11
Total Solids	SM 2540G, 2011		%	20.94		1.00	KMCMINN	04/08/17	12:24
pH	EPA 9045D		su	6.84		NA	JCOOK	04/05/17	16:26
Free Liquid	EPA 9095B			Negative		NA	ANROBERTS	04/05/17	15:38
Ignitability	EPA 1030			Negative		NA	ANROBERTS	04/17/17	10:42

Notes

LOQ is lowest concentration at which quantitation is demonstrated.

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IA6 - Internal standard retention times outside of acceptable limits due to possible matrix interference.

PACS

Professional Analytical and Consulting Services, Inc.
409 Meade Drive
Coraopolis PA 15108

Sample Analysis • GC/MS • R & D • Consulting • Training Courses • Activated Carbon Services

To: Shakil Ahmed
Upper Occoquan Service Authority

From: Henry Nowicki, Ph.D.

Report Date: October 29, 2015

Order No. 75779

PACS Sample ID: FF-212

Subject: Activated Carbon Analysis

As requested, your sample was tested with standard methods used in the activated carbon industry. the results are reported below.

This exhibited no ignitability hazard. This sample passed the DOT Auto-Ignition Temperature and ASTM Ignition Temperature tests.

PACS holds all samples for at least six months before disposal, after the requested analysis is completed. Should you need additional work on these samples, please refer to PACS sample identification number FF-212.

Please keep PACS in mind for activated carbon services: routine and advanced testing services, R&D, waste materials to unique activated carbons, GAED aqueous- and vapor-phase full characterizations, marketing, technical consulting, training courses public and at your time and place, and the next bi-annual *International Activated Carbon Conference and Training Courses* February 25 and 26 2016 in Orlando FL in conjunction with the Activated Carbon School.

Professional Analytical and Consulting Services, Inc. (dba PACS)

Henry Nowicki, Ph.D.

E-mail: henrypacs@aol.com

Henry Nowicki



(724) 457-6576

Professional Analytical and Consulting Services, Inc.
409 Meade Drive
Coraopolis PA 15108

Sample Analysis • GC/MS • R & D • Consulting • Training Courses • Activated Carbon Services

Date: 23-Oct-15

Lab Order: G1510949

Project:

Sampled By: PACS

Lab ID: G1510949-001

Matrix: SOLID

Client ID: FF-212

Collection Date: 10/15/2015

Received Date: 10/19/2015 10:10:28 AM

No problems were encountered during analysis of this work order, except if noted in this report.

Legend:

ND - Not Detected

J - Indicates an estimated value

U - The analyte was not detected at or above the listed concentration, which is below the laboratory quantitation limit.

B - Analyte detected in the associated Method Blank

Q - Qualifier

QL - Quantitation Limit

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

** - Value exceeds Action Limit

H - Method Hold Time Exceeded

MCL - Contaminant Limit



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Professional Analytical and Consulting Services, Inc.
409 Meade Drive
Coraopolis PA 15108

Sample Analysis • GC/MS • R & D • Consulting • Training Courses • Activated Carbon Services

Analyses	Result	QL	Q	Units	DF	Date Prepared	Date Analyzed
EPA 9056 SOLIDS							
Sulfate	6080	20		µg/Kg - dry		EPA 9056A 10/20/15 3:39PM	EPA 9056A 10/20/2015 12:01 PM
TCLP ZHE EXTRACTION							
TCLP ZHE Vessel#	40	10					EPA 1311 10/19/15 10:52 AM
TCLP EXTRACTION							
Extraction Fluid Used	1.0						EPA 1311 10/19/15 10:52 AM
Final pH	74	1.0					10/19/15 10:52 AM
Initial pH	10	1.0					10/19/15 10:52 AM
pH with HCl	1.9	1.0					10/19/15 10:52 AM
TCLP, non-volatile	NA						10/19/15 10:52 AM
VOLATILE ORGANIC COMPOUNDS: TCLP							
							EPA 8260
Benzene	<50	50		µg/L	50		10/20/15 11:45 AM
Carbon Tetrachloride	<50	50		µg/L	50		10/20/15 11:45 AM
Chlorobenzene	<50	50		µg/L	50		10/20/15 11:45 AM
1,1-Dichloroethene	<50	50		µg/L	50		10/20/15 11:45 AM
1,2-Dichloroethane	<50	50		µg/L	50		10/20/15 11:45 AM
1,4-Dichlorobenzene	<50	50		µg/L	50		10/20/15 11:45 AM
Trichloromethane	<50	50		µg/L	50		10/20/15 11:45 AM
Methyl Ethyl Ketone	< 250	250		µg/L	50		10/20/15 11:45 AM
Tetrachloroethene	<50	50		µg/L	50		10/20/15 11:45 AM
Trichloroethene	<50	50		µg/L	50		10/20/15 11:45 AM
Vinyl Chloride	<50	50		µg/L	50		10/20/15 11:45 AM
Surr: 1,2-Dichloroethane-d4	100	70-130		%REC	50		10/20/15 11:45 AM
Surr: 4-Bromofluorobenzene	98.3	70-130		%REC	50		10/20/15 11:45 AM
Surr: Dibromofluoromethane	101	70-130		%REC	50		10/20/15 11:45 AM
Surr: Toluene-d8	99.1	70-130		%REC	50		10/20/15 11:45 AM
SEMI VOLATILE COMPOUNDS: TCLP							
						EPA 3535A	EPA 8270
2-Methylphenol	< 200	200		µg/L	20	10/20/15 10:07 AM	10/20/15 6:22PM
2,4-Dinitrotoluene	< 100	100		µg/L	20	10/20/15 10:07 AM	10/20/15 6:22PM
Hexachlorobenzene	< 100	100		µg/L	20	10/20/15 10:07 AM	10/20/15 6:22PM
Hexachlorobutadiene	< 100	100		µg/L	20	10/20/15 10:07 AM	10/20/15 6:22PM
Hexachloroethane	< 200	200		µg/L	20	10/20/15 10:07 AM	10/20/15 6:22PM
Nitrobenzene	< 200	200	R	µg/L	20	10/20/15 10:07 AM	10/20/15 6:22PM
Pentachlorophenol	< 1000	1000		µg/L	20	10/20/15 10:07 AM	10/20/15 6:22PM



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409 Meade Drive
Coraopolis PA 15108

Sample Analysis • GC/MS • R & D • Consulting • Training Courses • Activated Carbon Services

Analyses	Result	QL	Q	Units	DF	Date Prepared	Date Analyzed
Pyridine	< 400	400		µg/L	20	10/20/15 10:07 AM	10/20/15 6:22 PM
2,4,5-Trichlorophenol	< 200	200		µg/L	20	10/20/15 10:07 AM	10/20/15 6:22 PM
2,4,6-Trichlorophenol	< 200	200		µg/L	20	10/20/15 10:07 AM	10/20/15 6:22 PM
3,4-Methylphenol	< 200	200		µg/L	20	10/20/15 10:07 AM	10/20/15 6:22 PM
Surr: 2,4,6-Tribromophenol	80.2	35-125		%REC	20	10/20/15 10:07 AM	10/20/15 6:22 PM
Surr: 2-Fluorobiphenyl	77.8	25-125		%REC	20	10/20/15 10:07 AM	10/20/15 6:22 PM
Surr: 2-Fluorophenol	70.7	15-100		%REC	20	10/20/15 10:07 AM	10/20/15 6:22 PM
Surr: Nitrobenzene-d5	75.3	40-110		%REC	20	10/20/15 10:07 AM	10/20/15 6:22 PM
Surr: Phenol-d6	71.8	5-100		%REC	20	10/20/15 10:07 AM	10/20/15 6:22 PM
Surr: p-Terphenyl-d14	83.7	15-140		%REC	20	10/20/15 10:07 AM	10/20/15 6:22 PM

NOTES:

R - RPD above control limits between matrix spike and MS duplicates.

REPORT OF ANALYSIS

CLIENT: Hampton Roads Sanitation District
ATTN: Kathy Hobson
ADDRESS: P. O. Box 5911
CITY: Virginia Beach, VA 23471-0911
PHONE: (757) 460-4203
FAX: khobson@hrsdc.com

SAMPLE RECEIPT

DATE: 4/9/2015 TIME: 1000

GRAB COLLECTION

DATE: 4/7/2015 TIME: 1145

COLLECTED BY: CLIENT

PICK UP BY: CLIENT

NUMBER OF CONTAINERS: 1

GOOD CONDITION ☒ Good ☐ Other (See C-O-C)

REPORT NO: 15-05195 14:00



SPECIAL NOTES:

Solid

SAMPLE ID: UO_TCLP SUL

SAMPLE NO 15-05195

Parameter	EPA HW No.	Method Number	JRA QL	Regulatory Level	Result	Unit	Analyst/Date/Time		
Toxic Characteristic Leaching Procedure by SW-846 Method 1311									
2,4-D	D016	8151A	0.004	10	< 0.004	mg/L	JFS	04/21/15	2147
2,4,5-TP	D017	8151A	0.004	1	< 0.004	mg/L	JFS	04/21/15	2147

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

Reproduction of this report is not permitted, except in full, without written approval from James R Reed & Associates.

The results on this report relate only to the sample(s) provided for analysis.

Results conform to NELAC standards, where applicable, unless otherwise indicated.

Authorized By:

A handwritten signature in cursive script.

Elaine Claiborne, Laboratory Director

Date: 23-Apr-15

James R. Reed & Associates
770 Pilot House Drive, Newport News, VA 23606
(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015





CENTRAL ENVIRONMENTAL
LABORATORY
ANALYTICAL REPORT
VA Laboratory ID 460011

HRSD

Job ID: MAP . 8

Report Serial No.: 2015-980

Sample ID: UO_SUL-G-040715-1
Sample Date: 4/7/2015
Customer Sample ID: UOSA - Sulfatreat
Sample ID: 376958
Sample Sub-Type:

Analyte	Method	CAS#	Unit	Result	Flag	LOQ	Analyst	Analysis Date	Analysis Time
Free Liquid	EPA 9095B			Negative		NA	HTHOMPSON	04/08/15	16:20
Chlordane	EPA 8081B	00057-74-9	mg/l	ND		0.0002	MBOGGIO	04/21/15	00:50
Endrin	EPA 8081B	00072-20-8	mg/l	<0.0005		0.0005	MBOGGIO	04/21/15	00:50
Heptachlor	EPA 8081B	00076-44-8	mg/l	<0.0005		0.0005	MBOGGIO	04/21/15	00:50
Heptachlor Epoxide	EPA 8081B	01024-57-3	mg/l	<0.0005		0.0005	MBOGGIO	04/21/15	00:50
Lindane	EPA 8081B	00058-89-9	mg/l	<0.0005		0.0005	MBOGGIO	04/21/15	00:50
Methoxychlor	EPA 8081B	00072-43-5	mg/l	<0.0005		0.0005	MBOGGIO	04/21/15	00:50
Toxaphene	EPA 8081B	08001-35-2	mg/l	ND		0.0005	MBOGGIO	04/21/15	00:50
AR1016	EPA 8082A	12674-11-2	mg/l	<0.001		0.001	MBOGGIO	04/21/15	00:50
AR1221	EPA 8082A	11104-28-2	mg/l	<0.001		0.001	MBOGGIO	04/21/15	00:50
AR1232	EPA 8082A	11141-16-5	mg/l	<0.001		0.001	MBOGGIO	04/21/15	00:50
AR1242	EPA 8082A	53469-21-9	mg/l	<0.001		0.001	MBOGGIO	04/21/15	00:50
AR1248	EPA 8082A	12672-29-6	mg/l	<0.001		0.001	MBOGGIO	04/21/15	00:50
AR1254	EPA 8082A	11097-69-1	mg/l	<0.001		0.001	MBOGGIO	04/21/15	00:50
AR1260	EPA 8082A	11096-82-5	mg/l	<0.001		0.001	MBOGGIO	04/21/15	00:50
Total Arochlors	EPA 8082A		mg/l	<0.007		0.007	MBOGGIO	04/21/15	00:50
Mercury, Total	EPA 7470A	92786-62-4	mg/l	<0.0001		0.0001	BSTAPLES	04/24/15	10:25
Arsenic, Total	EPA 6010C	7440-38-2	mg/l	<0.030		0.030	BSTAPLES	04/30/15	12:58

Notes

LOQ is lowest concentration at which quantitation is demonstrated.

*Analyte is not included in the HRSD CEL VELAP scope of accreditation



CENTRAL ENVIRONMENTAL
LABORATORY
ANALYTICAL REPORT
VA Laboratory ID 460011

HRSD

Job ID: MAP . 8

Report Serial No.: 2015-980

Sample ID: UO_SUL-G-040715-1
Sample Date: 4/7/2015
Customer Sample ID: UOSA - Sulfatreat
Sample ID: 376958
Sample Sub-Type:

Analyte	Method	CAS#	Unit	Result	Flag	LOQ	Analyst	Analysis Date	Analysis Time
Barium, Total	EPA 6010C	7440-39-3	mg/l	0.052		0.005	BSTAPLES	04/30/15	12:58
Cadmium, Total	EPA 6010C	7440-43-9	mg/l	<0.005		0.005	BSTAPLES	05/01/15	10:15
Chromium, Total	EPA 6010C	7440-47-3	mg/l	0.029		0.005	BSTAPLES	04/30/15	12:58
Lead, Total	EPA 6010C	7439-92-1	mg/l	<0.020		0.020	BSTAPLES	04/30/15	12:58
Selenium, Total	EPA 6010C	7782-49-2	mg/l	<0.100		0.100	BSTAPLES	04/30/15	12:58
Silver, Total	EPA 6010C	7440-22-4	mg/l	<0.005		0.005	BSTAPLES	04/30/15	12:58
Ignitability	EPA 1030			Negative		NA	AMOORE	04/17/15	08:08
pH	EPA 9045D		su	2.55		0.00	AMOORE	04/09/15	09:19
2,4,5-Trichlorophenol	EPA 8270D	95-95-4	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	04:07
2,4,6-Trichlorophenol	EPA 8270D	88-06-2	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	04:07
2,4-Dinitrotoluene	EPA 8270D	121-14-2	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	04:07
Hexachlorobenzene	EPA 8270D	118-74-1	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	04:07
Hexachlorobutadiene	EPA 8270D	87-68-3	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	04:07
Hexachloroethane	EPA 8270D	67-72-1	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	04:07
m/p-Cresol	EPA 8270D	106-44-5	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	04:07
Nitrobenzene	EPA 8270D	98-95-3	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	04:07
o-Cresol	EPA 8270D	95-48-7	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	04:07
Pentachlorophenol	EPA 8270D	87-86-5	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	04:07

Notes

LOQ is lowest concentration at which quantitation is demonstrated.
*Analyte is not included in the HRSD CEL VELAP scope of accreditation



CENTRAL ENVIRONMENTAL
LABORATORY
ANALYTICAL REPORT
VA Laboratory ID 460011

HRSD

Job ID: MAP 8

Report Serial No.: 2015-980

Sample ID: UO_SUL-G-040715-1

Sample Date: 4/7/2015

Customer Sample ID: UOSA - Sulfatreat

Sample ID: 376958

Sample Sub-Type:

Analyte	Method	CAS#	Unit	Result	Flag	LOQ	Analyst	Analysis Date	Analysis Time
Pyridine	EPA 8270D	110-86-1	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	04:07
Total Cresol	EPA 8270D		mg/l	<0.020		0.020	IGERASIMOV	04/22/15	04:07
Total Solids	SM 2540G, 2011		%	66.03		1.00	TGAY	04/10/15	12:13
1,1-Dichloroethene	EPA 8260C	75-35-4	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	18:42
1,2-Dichloroethane	EPA 8260C	107-06-2	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	18:42
1,4-Dichlorobenzene	EPA 8260C	106-46-7	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	18:42
2-Butanone	EPA 8260C	78-93-3	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	18:42
Benzene	EPA 8260C	71-43-2	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	18:42
Carbon Tetrachloride	EPA 8260C	56-23-5	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	18:42
Chlorobenzene	EPA 8260C	108-90-7	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	18:42
Chloroform	EPA 8260C	67-66-3	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	18:42
Tetrachloroethene	EPA 8260C	127-18-4	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	18:42
Trichloroethene	EPA 8260C	79-01-6	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	18:42
Vinyl Chloride	EPA 8260C	75-01-4	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	18:42
<u>Notes</u>									

LOQ is lowest concentration at which quantitation is demonstrated.

*Analyte is not included in the HRSD CEL VELAP scope of accreditation

Authorized By: Robin Parnell - Lab Manager

Date Authorized: 5/12/2015

REPORT OF ANALYSIS

CLIENT: Hampton Roads Sanitation District
 ATTN: Kathy Hobson
 ADDRESS: P. O. Box 5911
 CITY: Virginia Beach, VA 23471-0911
 PHONE: (757) 460-4203
 FAX: khobson@hrsd.com

SAMPLE RECEIPT
 DATE: 4/9/2015 TIME: 1000
 GRAB COLLECTION
 DATE: 4/7/2015 TIME: 1106
 COLLECTED BY: CLIENT
 PICK UP BY: CLIENT
 NUMBER OF CONTAINERS: 1
 GOOD CONDITION ☒ Good ☐ Other (See C-O-C)
 REPORT NO: 15-05199 14:00



SPECIAL NOTES:

Solid

SAMPLE ID: UO_TCLP ERPD

SAMPLE NO 15-05199

Parameter	EPA HW No.	Method Number	JRA QL	Regulatory Level	Result	Unit	Analyst/Date/Time
Toxic Characteristic Leaching Procedure by SW-846 Method 1311							
2,4-D	D016	8151A	0.004	10	< 0.004	mg/L	JFS 04/22/15 0024
2,4,5-TP	D017	8151A	0.004	1	< 0.004	mg/L	JFS 04/22/15 0024

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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The results on this report relate only to the sample(s) provided for analysis.

Results conform to NELAC standards, where applicable, unless otherwise indicated.

Authorized By: Elaine Claiborne
 Elaine Claiborne, Laboratory Director
 Date: 23-Apr-15

James R. Reed & Associates
 770 Pilot House Drive, Newport News, VA 23606
 (757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
 EPA# VA00015





CENTRAL ENVIRONMENTAL
LABORATORY
ANALYTICAL REPORT
VA Laboratory ID 460011



Job ID: MAP . 8

Report Serial No.: 2015-980

Sample ID: UO_ERPD-G-040715-1

Sample Date: 4/7/2015

Customer Sample ID: UOSA - ERP Dredging

Sample ID: 376962

Sample Sub-Type:

Analyte	Method	CAS#	Unit	Result	Flag	LOQ	Analyst	Analysis Date	Analysis Time
Free Liquid	EPA 9095B			Negative		NA	HTHOMPSON	04/08/15	16:20
Chlordane	EPA 8081B	00057-74-9	mg/l	ND		0.0002	MBOGGIO	04/21/15	01:47
Endrin	EPA 8081B	00072-20-8	mg/l	<0.0005		0.0005	MBOGGIO	04/21/15	01:47
Heptachlor	EPA 8081B	00076-44-8	mg/l	<0.0005		0.0005	MBOGGIO	04/21/15	01:47
Heptachlor Epoxide	EPA 8081B	01024-57-3	mg/l	<0.0005		0.0005	MBOGGIO	04/21/15	01:47
Lindane	EPA 8081B	00058-89-9	mg/l	<0.0005		0.0005	MBOGGIO	04/21/15	01:47
Methoxychlor	EPA 8081B	00072-43-5	mg/l	<0.0005		0.0005	MBOGGIO	04/21/15	01:47
Toxaphene	EPA 8081B	08001-35-2	mg/l	ND		0.0005	MBOGGIO	04/21/15	01:47
AR1016	EPA 8082A	12674-11-2	mg/l	<0.001		0.001	MBOGGIO	04/21/15	01:47
AR1221	EPA 8082A	11104-28-2	mg/l	<0.001		0.001	MBOGGIO	04/21/15	01:47
AR1232	EPA 8082A	11141-16-5	mg/l	<0.001		0.001	MBOGGIO	04/21/15	01:47
AR1242	EPA 8082A	53469-21-9	mg/l	<0.001		0.001	MBOGGIO	04/21/15	01:47
AR1248	EPA 8082A	12672-29-6	mg/l	<0.001		0.001	MBOGGIO	04/21/15	01:47
AR1254	EPA 8082A	11097-69-1	mg/l	<0.001		0.001	MBOGGIO	04/21/15	01:47
AR1260	EPA 8082A	11096-82-5	mg/l	<0.001		0.001	MBOGGIO	04/21/15	01:47
Total Aroclors	EPA 8082A		mg/l	<0.007		0.007	MBOGGIO	04/21/15	01:47
Mercury, Total	EPA 7470A	92786-62-4	mg/l	<0.0001		0.0001	BSTAPLES	04/24/15	10:19
Arsenic, Total	EPA 6010C	7440-38-2	mg/l	<0.030		0.030	BSTAPLES	04/30/15	13:18

Notes

LOQ is lowest concentration at which quantitation is demonstrated.

*Analyte is not included in the HRSD CEL VELAP scope of accreditation



CENTRAL ENVIRONMENTAL
LABORATORY
ANALYTICAL REPORT
VA Laboratory ID 460011

HRSD

Job ID: MAP 8

Report Serial No.: 2015-980

Sample ID: UO_ERPD-G-040715-1

Sample Date: 4/7/2015

Customer Sample ID: UOSA - ERP Dredging

Sample ID: 376962

Sample Sub-Type:

Analyte	Method	CAS#	Unit	Result	Flag	LOQ	Analyst	Analysis Date	Analysis Time
Barium, Total	EPA 6010C	7440-39-3	mg/l	0.421		0.005	BSTAPLES	05/01/15	10:37
Cadmium, Total	EPA 6010C	7440-43-9	mg/l	<0.005		0.005	BSTAPLES	05/01/15	10:37
Chromium, Total	EPA 6010C	7440-47-3	mg/l	<0.005		0.005	BSTAPLES	04/30/15	13:18
Lead, Total	EPA 6010C	7439-92-1	mg/l	<0.020		0.020	BSTAPLES	04/30/15	13:18
Selenium, Total	EPA 6010C	7782-49-2	mg/l	<0.100		0.100	BSTAPLES	04/30/15	13:18
Silver, Total	EPA 6010C	7440-22-4	mg/l	<0.005		0.005	BSTAPLES	04/30/15	13:18
Ignitability	EPA 1030			Negative		NA	AMOORE	04/17/15	08:08
pH	EPA 9045D		su	7.60		0.00	HTHOMPSON	04/08/15	16:59
2,4,5-Trichlorophenol	EPA 8270D	95-95-4	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	06:10
2,4,6-Trichlorophenol	EPA 8270D	88-06-2	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	06:10
2,4-Dinitrotoluene	EPA 8270D	121-14-2	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	06:10
Hexachlorobenzene	EPA 8270D	118-74-1	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	06:10
Hexachlorobutadiene	EPA 8270D	87-68-3	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	06:10
Hexachloroethane	EPA 8270D	67-72-1	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	06:10
m/p-Cresol	EPA 8270D	106-44-5	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	06:10
Nitrobenzene	EPA 8270D	98-95-3	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	06:10
o-Cresol	EPA 8270D	95-48-7	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	06:10
Pentachlorophenol	EPA 8270D	87-86-5	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	06:10

Notes

LOQ is lowest concentration at which quantitation is demonstrated.

*Analyte is not included in the HRSD CEL VELAP scope of accreditation



CENTRAL ENVIRONMENTAL
LABORATORY
ANALYTICAL REPORT
VA Laboratory ID 460011



Job ID: MAP . 8

Report Serial No.: 2015-980

Sample ID: UO_ERPD-G-040715-1

Sample Date: 4/7/2015

Customer Sample ID: UOSA - ERP Dredging

Sample ID: 376962

Sample Sub-Type:

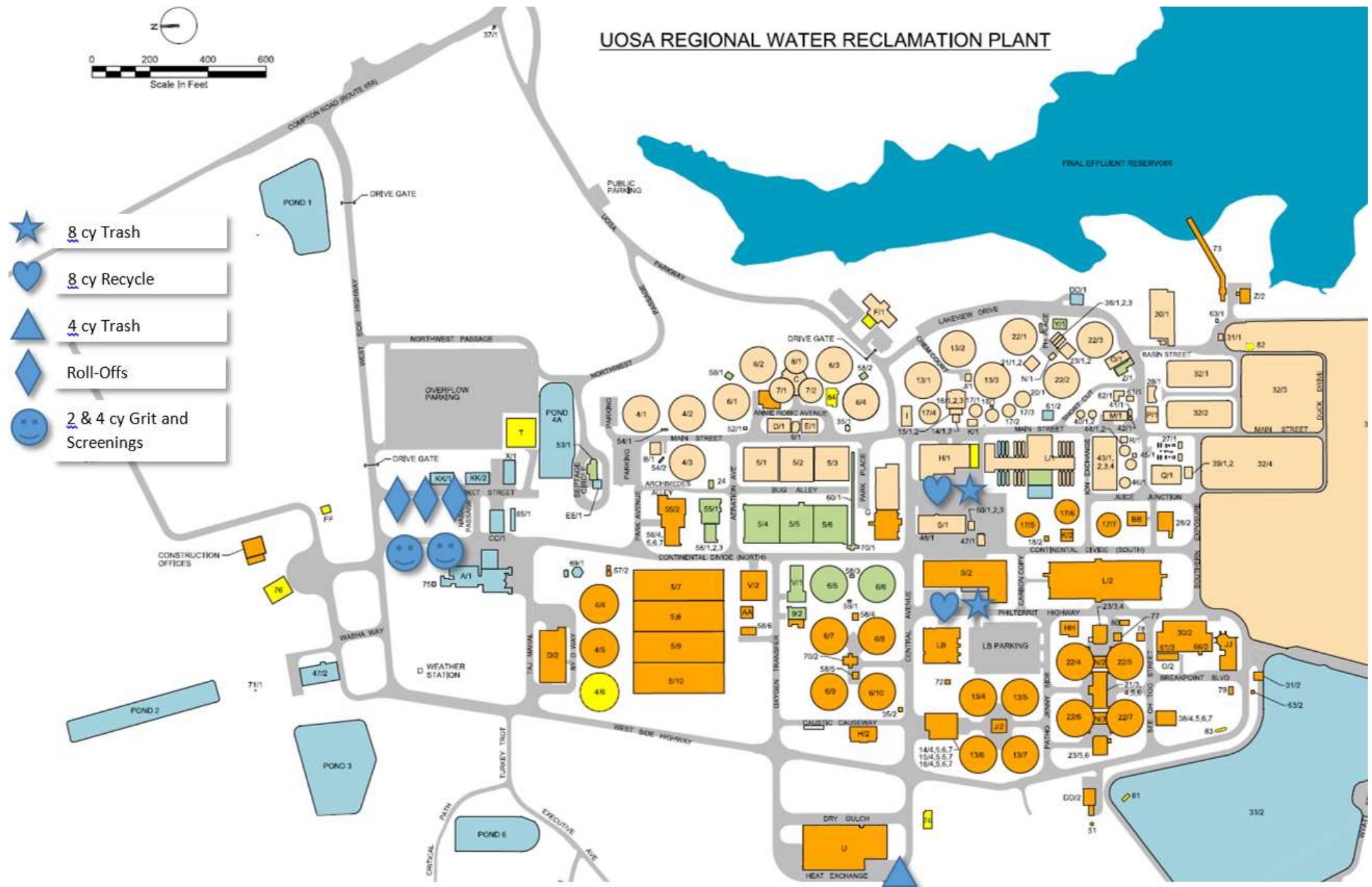
Analyte	Method	CAS#	Unit	Result	Flag	LOQ	Analyst	Analysis Date	Analysis Time
Pyridine	EPA 8270D	110-86-1	mg/l	<0.010		0.010	IGERASIMOV	04/22/15	06:10
Total Cresol	EPA 8270D		mg/l	<0.020		0.020	IGERASIMOV	04/22/15	06:10
Total Solids	SM 2540G, 2011		%	66.83		1.00	TGAY	04/10/15	12:13
1,1-Dichloroethene	EPA 8260C	75-35-4	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	16:46
1,2-Dichloroethane	EPA 8260C	107-06-2	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	16:46
1,4-Dichlorobenzene	EPA 8260C	106-46-7	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	16:46
2-Butanone	EPA 8260C	78-93-3	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	16:46
Benzene	EPA 8260C	71-43-2	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	16:46
Carbon Tetrachloride	EPA 8260C	56-23-5	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	16:46
Chlorobenzene	EPA 8260C	108-90-7	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	16:46
Chloroform	EPA 8260C	67-66-3	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	16:46
Tetrachloroethene	EPA 8260C	127-18-4	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	16:46
Trichloroethene	EPA 8260C	79-01-6	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	16:46
Vinyl Chloride	EPA 8260C	75-01-4	mg/l	<0.0100		0.0100	SLOPEZ	04/18/15	16:46

Notes

LOQ is lowest concentration at which quantitation is demonstrated.

*Analyte is not included in the HRSD CEL VELAP scope of accreditation

Attachment J – Site Map



One additional 8cy FEL container for MSW (office trash) to be placed at Flat Branch Pump Station (not shown)

End of Attachment J