



REQUEST FOR BID

Residual Biosolids Management

Bid Number 2017-WR-07

May 2017

**CLAYTON COUNTY WATER AUTHORITY
1600 Battle Creek Road, Morrow, Georgia 30260**

Bid Opening:

Wednesday, May 31, 2017 at 11:00 a.m. local time
1600 Battle Creek Road, Morrow, GA 30260

**Non-Mandatory
Pre-Bid Meeting
And Site Visit:**

Wednesday, May 10, 2017 at 11:00 a.m. local time
6900 Old Macon Highway Rex, GA. 30273

This bid as a SLBE BID DISCOUNT

Table of Contents

Division 1 General Information

Section 1	Request for Bids	1-1.1
Section 2	Project Overview	1-2.1
	2.1 Intent and Purpose	1-2.1
	2.2 Bid Evaluation	1-2.2
	2.3 Addendum	1-2.2

Division 2 Bid Requirements

Section 1	Instructions to Bidders	2-1.1
Section 2	Risk Management Requirements	
Section 3	Bid Submittals	2-3.1
Section 4	Bid Form	2-4.1
Section 5	Georgia Bid Bond (Not Required)	
Section 6	Bidder Qualification Information	2-6.1
Section 7	Contractor Affidavit & Agreement	2-7.1
Section 8	Small Local Business Enterprises (SLBE) General Information	2-8.1

Division 3 Contract Forms

Section 1	Agreement Form	3-1.1
Section 2	Performance Bond (Not Required)	
Section 3	Payment Bond (Not Required)	
Section 4	Non-Collusion Certificate	3-4.1

Division 4 Specifications

Section 1	General Requirements	4-1.1
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Attachment A

Attachment B

Addenda (None Issued at This Time)

END OF TABLE OF CONTENTS

Division 1

General Information

Section 1: Request for Bids

Clayton County Water Authority
1600 Battle Creek Road
Morrow, Georgia 30260

Name of Project: **Residual Biosolids Management**

The Clayton County Water Authority will open sealed bids on **Wednesday, May 31, 2017 at 11:00 a.m. (local time)** at its offices at 1600 Battle Creek Road, Morrow, GA, 30260, for Residual Biosolids Management. Any bids received after the specified time will not be considered.

A Non-Mandatory Pre-Bid Conference Meeting and Site Visit will be held on **Wednesday, May 10, 2017 at 11:00 a.m. (local time)** at the Northeast Water Reclamation Facility, located at **6900 Old Macon Highway Rex, GA. 30273.**

In an effort to promote responsible environmental practices the bid package is available in electronic (Adobe PDF) format and can be requested by calling 770-960-5223, M-F, 8:00 am - 5:00 pm or by e-mail to **CCWA_Procurement@ccwa.us**. Bidders will need to provide contact information and an email address and any file size transfer limits to insure email transmittals can be made. A hardcopy bid package can also be requested at a cost of \$25.

Clayton County Water Authority
By: John Chafin, Chairman

END OF SECTION

Division 1

General Overview

Section 2: Project Overview

2.1 Intent and Purpose

This is an invitation to your firm to submit a sealed bid for **Residual Biosolids Management** for the Clayton County Water Authority's Northeast, Casey, and Shoal Creek Water Reclamation Facilities for the time period of **August 1, 2017 to July 31, 2018**.

The contract may be extended for a second one-year and third one-year terms by mutual consent of both parties with no changes to terms, conditions or price.

The bids shall be delivered or mailed to the Clayton County Water Authority (CCWA), located at 1600 Battle Creek Road, Morrow, Georgia 30260, in a sealed envelope, on or before **Wednesday, May 31, 2017 at 11:00 p.m. (local time)**. The envelope shall be marked "Sealed Bid" and carry the bid title, date, and time of bid opening (refer to General Instructions to Bidders). Any and all bids received after this date and time will be considered unresponsive.

The prospective bidders are to carefully examine the work description given herein and sign where indicated that he or she understands the work required and agrees to perform the work as specified.

The CCWA Standards will govern all work under this contract for Residual Biosolids Management, as well as all applicable United States, State of Georgia, and local laws/regulations.

The work shall be performed under the direction of the Manager of Water Reclamation of the Clayton County Water Authority or his authorized designated representative. Payment requests shall be addressed to the Water Reclamation Department of the Clayton County Water Authority for processing.

For those bidders that do not attend the non-mandatory pre-bid conference meeting on Wednesday, May 10, 2017 at 10:00 a.m., or for those bidders who wish to visit the sites multiple times may do so with the following limitations: The site visits to our facilities will be limited to **May 17th and May 18th, from 9:00 a.m. to 4:00 p.m.** Bidder must contact facilities prior to visiting any of the three sites. Due to staff limitations, security and daily operations these dates and times will be strictly enforced. The purpose of the site visit(s) is to view the solids loading facilities and the solids to be hauled and disposed. It is strongly encouraged that each bidder visits all three water reclamation facilities.

Division 1

General Overview

Section 2: Project Overview

Site visits must be arranged in advanced with the following CCWA staff for each location:

Mr. David Blackstock (Northeast WRF):
770-302-3450
david.blackstock@ccwa.us

Herlon Fayard (Shoal Creek WRF):
770-302-3448
herlon.fayard@ccwa.us

Mr. Dan Doss (Casey Pelletizing):
770-302-3457
dan.doss@ccwa.us

1.2 Bid Evaluation

A contract will be awarded to the lowest responsive responsible bidder whose bid conforms to the RFB specifications, and will be the most advantageous to the Clayton County Water Authority. An evaluation will also be performed to ensure bidders comply with the required submittals.

All items and estimated quantities shown on the Bid Form are our best estimate on annual requirements, and will be used for evaluation purposes only.

This procurement has a Small Local Business Enterprise (SLBE) bid discount for evaluation purposes only, which will be given to CCWA certified SLBE primes only (regardless of their location). For more details, please refer to Division 2, Section 8 of this bid package.

1.3 Addendum

Bidders may ask questions regarding this bid prior to the bid opening. To be considered, all questions must be received in writing via email at **(CCWA_Procurement@ccwa.us)** by **11:00 a.m. local time, on Friday, May 19, 2017**. Any and all responses to bidders' questions will be issued in the form of an Addendum via email. All addenda issued shall become part of the Bid Documents.

END OF SECTION

Division 2

Bid Requirements

Section 1: Instructions to Bidders

These instructions are to be followed by every entity bidding to provide the Clayton County Water Authority (CCWA) with goods and/or services. These instructions constitute an integral part of the Bid, and any Bidder agrees that tender of a Bid constitutes acknowledgment and acceptance of its obligation to adhere to these instructions, which are to be incorporated into and considered part of any contract the Bidder ultimately executes with the CCWA.

1. If there is any question whatsoever regarding any portion of the specifications, it shall be the Bidder's responsibility to seek clarification immediately from the CCWA, as early as possible prior to the bid opening. Regarding public works projects, requests for interpretations of specifications must be made in writing to the department proposing out the project not later than five (5) days prior to receipt of bids.
2. Unless it is otherwise stated in the bid documents, it shall be the responsibility of the bidder to inform itself as to all conditions of the work site and to make and take account thereof in calculating and submitting its bid. Documents may be made available by the CCWA during the bidding process; no warranty of accuracy is made in regard to these documents, and it is the responsibility of the bidder to make its own investigations as to the nature of the work and the conditions under which it shall be performed, and to make its own independent assumptions as to these matters. The burden of anticipating unforeseen circumstances, either hidden or latent, and the conditions of the work site and all related circumstances, and the cost of accommodating therefore should unanticipated circumstances be later encountered shall rest upon the bidder.
3. Pre-bid meeting or any other information session will be held at the location as indicated in the solicitation. Unless indicated otherwise, attendance is not mandatory; although vendors are strongly encouraged to attend. However, in the event the meeting is mandatory, then a representative of the vendor must attend the meeting in its entirety to be considered eligible for solicitation award. Late entry to the meeting will not be allowed.
4. In the event that, after the acceptance of a bid by the Board of Directors of the CCWA, any unsuccessful bidder wishes to contest such action, a written "Notice of Contest" must be filed with the General Manager no later than close of business on the 5th business day after the selection of successful bidder by the Board. Failure to timely file such notice shall forever preclude the filing of a contest of the award, or any civil action in the courts of the State of Georgia or of the United States.

Division 2

Bid Requirements

Section 1: Instructions to Bidders

5. Information submitted by the Bidder in the bid process shall be subject to disclosure after bid award in accordance with the Georgia Open Records Act. Proprietary information must be identified and be accompanied by a signed affidavit outlining the redacted information. Entire bids may not be deemed proprietary.
6. Bids must be made on the enclosed Bid Form. Unless otherwise requested, one (1) original and at least two (2) copies of the Bid Form need to be submitted, and these copies must be **typewritten or printed in ink**. All copies of any Bid Forms must be signed in ink by the person or persons authorized to sign the Bid Form. The person signing the Bid Form must initial any changes or corrections.
7. The name of the person, firm, or corporation making the Bid must be printed in ink, along with the Bidder's signature, on all separate sheets of the Bid Form. If a Bid is made by an individual, his name and post office address must be shown. If made by a firm, or partnership, the name and the post office address of each member of the firm or partnership must be shown. If made by a Corporation, the person or persons signing the Bid must show the name of the State under the laws of which the Corporation is chartered and his, or their authority for signing same. The names, titles and addresses of the President, Secretary and the Treasurer and the corporate authority for doing business in this state shall be listed and returned with the Bid Form.
8. All Bids must be hand delivered, delivered by courier service, or mailed via the United States Postal Service. No facsimiles will be accepted. The person, firm, or corporation making the Bid shall submit it in a sealed envelope on or before the date and time specified in the Bid package. The envelope shall be marked "**Sealed Bid**" and carry the Bid title, and date and time of opening as set forth in the Bid package. The envelope shall also bear the name of the party making the Bid and the party's address. Address Bids to *Clayton County Water Authority, 1600 Battle Creek Road, Morrow, Georgia, 30260*. Even if a Bid is not submitted, the Bid Form should be returned signed and with an explanation, otherwise the result will be deletion from the mailing list.
9. If published price books are a part of your Bid, one price book must be included with your Bid Form, and the successful Bidder is required to furnish additional current price books after award of the Bid.
10. Alterations to the documents are strictly prohibited and shall result in

Division 2

Bid Requirements

Section 1: Instructions to Bidders

- automatic disqualification of the Bidder's bid. If there are "exceptions" to the specifications or comments to any of the solicitation requirements or other language, then the bidder may ask questions regarding those requirements or submit additional documentation as to the variation from the specifications, but may not alter any of the language contained in the solicitation.
11. In the case of goods, the person, firm or corporation making the Bid may Bid all items. All items may be considered separately, at the discretion of the CCWA.
 12. Bidders for construction contracts where the laws of Georgia or the United States of America require a license in order to perform such construction must list the license number and class on the face of the bid envelope and must enclose copies of any required license with the bid.
 13. When public work is let out for bid, no person shall prevent or attempt to prevent competition in such bid. Such bidders must make an oath filed with the officer who makes payments under the contract that they have not prevented or attempted to prevent competition in the bid process. Such oath must be signed by: if a partnership, all partners and any officer or agent or other person who acted on the partnership's behalf during the bid process; if a corporation, all officers, agents, or other persons who acted for the corporation in the bid process.
 14. Bids shall not be withdrawn or cancelled by the bidder past the bid opening date and time. The bidder may make modifications/corrections to the bid by submitting a corrected seal bid but only if the change is prior to the bid opening. The corrected document should be clearly marked that it supersedes the bid originally submitted. No modification or corrections will be allowed subsequent to the bid opening.
 15. By tendering a bid, a Bidder agrees to leave the bid open for acceptance by the CCWA for sixty (60) days after the date set for the opening thereof.
 16. By tendering a bid, the bidder certifies that the bidder has carefully examined these instructions and the terms and specifications applicable to and made a part of the bid. The Bidder further certifies that the prices shown in any schedule of items on which the Bidder is proposing are in accordance with the conditions, terms and specifications of the bid and that they are aware that any exception taken thereto may disqualify the bid. Bidders are required to inform themselves fully as to the availability of materials and the conditions

Division 2

Bid Requirements

Section 1: Instructions to Bidders

- relating to construction and labor under which any work will be or is now being performed. No error or misjudgment nor any lack of information on local conditions, general laws or regulations on the part of the Bidder shall merit withdrawal of the bid.
17. Copies of all communication pertaining to bids must be sent to the Contracts, Compliance and Risk Management Section.
 18. The purpose of this bid is to establish contract prices. Unit price extension and net total must be shown if applicable. Cash discounts should be indicated separately. The CCWA is exempt from federal or state sales taxes; do not include such amounts in the bid. Exemption certificates are furnished upon request.
 19. Bidders are hereby notified and agree by submission of a Bid Form that if additional items not listed in the Bid Form become necessary and require unit prices not established by the Bid Form, the unit prices of such items shall be negotiated and shall be directly proportional to the established unit prices of similar items in the Bid Form.
 20. All prices on goods shall be for delivery, our destination, f.o.b. freight prepaid Jonesboro, Georgia, and/or Morrow, Georgia, unless otherwise shown. Any deliveries shall be made as needed and requested throughout the contract period.
 21. Quantities when shown are estimates only, based on anticipated needs. The CCWA reserves the right to purchase more or less based on actual need at contract price. If a Bidder intends to offer minimum or maximum shipment quantities, such intent and such quantities should be specified on the Bid Form. Otherwise, none will be assumed.
 22. The time for completion of the work is stated in the Bid Form. Failure to complete the work within this period shall result in payment to the CCWA of liquidated damages in an amount provided for by contract for each calendar day in excess of the Contract time.
 23. The Bidder must employ such methods and means in carrying out the work as will not cause any interruption of or interference with any other Contractor.
 24. The successful Bidder must comply with the applicable Risk Management Requirements prior to beginning performance, and during the contract period.
 25. The Contract between the CCWA and the Contractor shall be executed on a

Division 2

Bid Requirements

Section 1: Instructions to Bidders

- form provided by CCWA and will be subject to all requirements of the contract documents (which include but may not be limited to the Contract, these instructions, any Purchase Orders, and the Risk Management Requirements), and shall form a binding contract between the contracting parties.
26. Failure to execute the Contract, any required Surety Performance and Payment Bonds, or to furnish any required satisfactory proof of carriage of required insurance within ten (10) days from the date of notice of award of the Contract shall be just cause for the annulment of the award and for forfeiture of the bid guaranty to the CCWA, not as a penalty, but in liquidation of damages sustained. At the discretion of the CCWA, the award may then be made to the next lowest responsible vendor, or the work may be re-advertised or constructed by the CCWA.
 27. Any Contract and Contract Bonds shall be executed in duplicate.
 28. Award of this bid shall be by action of the CCWA Board at its regular monthly meeting.
 29. The CCWA reserves the right, with or without notice or cause, to accept any bid regardless of the amount thereof; to reject any bid, or any number of bids; to negotiate with any Bidder for a reduction of or alterations in its bid; to reject all bids and to call for additional bids upon the same or different invitations to bid, plans or specifications; to be sole judge, in its discretion, on all questions as to whether or not a bid complies with the invitation to Bid, the plans or the specifications, and as to the solvency and sufficiency of any and all sureties on all bonds.
 30. The apparent low bid for goods shall be considered to be the lowest aggregate total price of specified products at their unit prices times the estimated required quantities of these specified products.
 31. Bids received from two (2) or more vendors that are identical in price, delivery and meet the requirements of the bid specifications shall be awarded on the following basis:
 - a. The bid submitted by a vendor who does not have a documented negative vendor performance record.
 - b. The bid submitted by a vendor who is located within Clayton County.
 - c. The bid submitted by a vendor who is certified by our Small Local Business Enterprise Program.

Division 2

Bid Requirements

Section 1: Instructions to Bidders

- d. If the tie bids meet all the above criteria, and it is not in the Authority's best interest (at its sole discretion) to split the award, the bid award is based on the toss of a coin by CCWA staff in a public session. The vendors involved will be invited to attend the coin toss at a stated date and time. One or more witnesses from both CCWA Procurement and the Requesting Department may be present. A simple coin toss (called by the vendor listed first in the alphabet) will break the tie and decide the award.
32. While price is the prime criteria, and the CCWA intends to purchase at the lowest responsible bid available, price shall not be the sole criteria utilized by the CCWA in evaluating the bid package submitted. The following criteria shall also be utilized by the CCWA in determining the lowest responsible bid:
 - a. Ability of Bidder to perform in the time frame needed by the CCWA.
 - b. Reputation of the Bidder in its industry.
 - c. Reasonableness of the bid in relation to anticipated costs.
 - d. Ongoing relationships with the CCWA based on above-average prior performance of work with the Authority.
33. Bidders are notified that the Authority reserves the right except in the case of public works contracts to include among the factors considered in awarding the contract the proximity of each Bidder's place of business to any affected Authority facility. The Authority further reserves the right to award the contract to a Bidder other than the Bidder offering the lowest price where: (a) the difference in price between the low Bidder and the preferred Bidder is nominal; and (b) the Authority's Board determines that the preferred bid provides the most cost effective option due to the closer proximity of the preferred Bidder's place of business to the affected Authority facility or facilities. In such a situation, by responding to this bid, the Bidder waives any cause of action against the Authority for frustration of bid or under any similar legal theory; furthermore, the Bidder agrees to pay all costs and expenses, including but not limited to attorney fees, incurred by the Authority in defending against any such claim.
34. It is the policy of the Clayton County Water Authority (CCWA) to promote award of sub-agreements for goods and/or services to qualified small local, minority and women-owned businesses. Bidders are encouraged to solicit small local, minority and women-owned businesses whenever they are potential sources.

Division 2

Bid Requirements

Section 1: Instructions to Bidders

35. Bidders are encouraged to utilize the services and assistance of the U.S. Small Business Administration (SBA), and the office of the Department of Commerce Minority Business Development Agency (MBDA). These agencies can provide assistance in securing the names of qualified minority and women-owned businesses. Additionally, it is encouraged that bidders access certified Small Local Business Enterprise (SLBE) vendors from Clayton County, DeKalb County, and City of Atlanta.

The Georgia Department of Transportation (DOT) has established a list of qualified Disadvantaged Business Enterprises. Information is available online under the tab for "Directories", link for "UCP Directory - Excel" at:

<http://www.dot.ga.gov/PS/Business/DBE>.

The successful Bidder will be asked to provide, along with his Request for Payment each month a list of qualified SLBE and MBE/WBE businesses utilized on this Project.

GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT OF 2006

36. Pursuant to the Georgia Security and Immigration Compliance Act of 2006, the successful Contractor understands and agrees that compliance with the requirements of O.C.G.A.13-10-91 and Georgia Department of Labor Rule 300-10-02 are conditions of this bid and contract document. The Contractor further agrees that such compliance shall be attested by the Contractor and any of his Subcontractors by execution of the appropriate Affidavit and Agreement included after the Agreement Form of these documents.

END OF SECTION

Division 2

Bid Requirements

Section 2: Risk Management Requirements

The Contractor will provide minimum insurance coverage and limits as per the following: The Contractor will file with the Authority Certificates of Insurance, certifying the required insurance coverages and stating that each policy has been endorsed to provide thirty (30) day notice to the Authority in the event that coverage is cancelled, non-renewed or the types of coverage or limits of liability are reduced below those required. All bonds and insurance coverage must be placed with an insurance company approved by Authority Management, admitted to do business in the State of Georgia, and rated Secure (“B+” or better) by A.M. Best Company in the latest edition of Property and Casualty Ratings, or rated by Standard & Poors Insurance Ratings, latest edition as Secure (“BBB” or better). Worker’s Compensation self-insurance for individual Contractors must be approved by the Worker’s Compensation Board, State of Georgia and/or Self-Insurance pools approved by the Insurance Commissioner, State of Georgia.

CONTRACTS FOR UP TO \$50,000

Worker’s Compensation – Worker’s Compensation coverage on a statutory basis for the State of Georgia with an Employer’s Liability limit of \$100,000 each Accident, Disease \$100,000 each employee, \$500,000 Disease policy limit.

Automobile Liability – Automobile liability coverage for owned, hired and non-owned vehicles in the amount of \$500,000 combined single limit.

Commercial General Liability – Coverage to be provided on “occurrence” not “claims made” basis. The coverage is to include Contractual liability, Per Project Limit of Liability, losses caused by Explosion, Collapse and Underground (“xcu”) perils, the “Clayton County Water Authority” is to be added as an Additional Insured and Products and Completed Operations coverage is to be maintained for three (3) years following completion of work.

CONTRACTS FOR MORE THAN \$50,000

Worker’s Compensation – Worker’s Compensation coverage on a statutory basis for the State of Georgia with an Employer’s Liability limit of \$1,000,000. The increased Employer’s Liability limit may be provided by an Umbrella or Excess Liability policy.

Automobile Liability - Automobile liability coverage for owned, hired and non-owned vehicles in the amount of \$1,000,000 combined single limit.

Commercial General Liability – Coverage to be provided on “occurrence” not “claims made” basis. The coverage is to include Contractual liability, Per Project Limit of Liability, losses caused by Explosion, Collapse and Underground (“xcu”) perils, the “Clayton County Water Authority” is to be added as an Additional Insured and Products and Completed Operations coverage is to be maintained for three (3) years following completion of work.

Division 2

Bid Requirements

Section 2: Risk Management Requirements

RISK MANAGEMENT REQUIREMENTS (Cont'd)

CONTRACTS FOR UP TO \$50,000

CONTRACTS FOR MORE THAN \$50,000

LIMITS OF LIABILITY:

\$1,000,000	Per Occurrence
\$1,000,000	Personal and Advertising
\$50,000	Fire Damage*
\$5,000	Medical Payments*
\$1,000,000	General Aggregate
\$1,000,000	Products/Completed Operations per Occurrence and Aggregate

**These are automatic minimums*

Owner's Protective Liability – The Authority's Management may, in its discretion, require Owner's Protective Liability in some situations.

Umbrella and/or Excess Liability – The umbrella or Excess Liability Policy may be used to combine with underlying policies to obtain the limits required. The Management of the Authority may elect to require higher limits.

Owner's Protective Liability – The Authority's Management may, in its discretion, require Owner's Protective Liability in some situations.

END OF SECTION

Division 2

Bid Requirements

Section 3: Bid Submittals

3.1 Required bid submittals

Please complete and submit the following forms with your bid:

- A. Special Provisions, Division 2, Section 3.3, page 2-3.2.
- B. Bid Form, Division 2, Section 4.
- C. Bidder Qualification Information, including References and Questionnaire.
- D. Georgia Security and Immigration Compliance Act of 2006 form.
- E. Contractor Affidavit and Agreement form.
- F. Subcontractor Affidavit form.

If a Contractor/Subcontractor will not be performing any services under this contract, the Contractor/company submitting the bid MUST also complete, sign, date, and have both Affidavit forms notarized and make proper notation of "N/A" - Not Applicable.

CCWA cannot consider any bid which does not include completed affidavits. It is not the intent of this notice to provide detailed information or legal advice concerning the Georgia Security & Immigration Compliance Act of 2006, as amended on May 11, 2009. All Bidders intending to do business with CCWA are responsible for independently apprising themselves and complying with the requirements of that law and its effect on CCWA procurements and their participation in those procurements.

- G. SLBE Form 1-P.
- H. Addenda (if any issued).

3.2 Required Post Award Submittals:

The successful bidder must provide quarterly reports of volume, reuse and compliance with EPA's 40 CFR Part 503 Regulations to CCWA.

Division 2

Bid Requirements

Section 3: Bid Submittals

3.3 Special Provisions

No work will be assigned to subcontractors without the prior written approval of the CCWA.

Clayton County Water Authority reserves the right to perform a site visit at any time during the RFB process and the contract period.

All of these facilities operate 24 hours per day seven days per week and all bidders will be given access as granted by the Plant Supervisor of the facility. Prior notification will be necessary before access is permitted. See Division 1: Section 2 – Project Overview for contact information.

It is the intention of CCWA to be environmental friendly with the disposal of these biosolids, therefore CCWA will offer a 5% bid price discount (for bid price evaluation purposes only) to any or all bidders that provide EPA defined Class “A” Biosolids disposal option (beneficial reuse) as part of their bid submittal. See EPA’s 40 CFR Part 503 – Standards for the use or disposal of sewage sludge. A copy of CCWA previous year’s analytic report submitted to EPA is included as **Attachment A**. The Clayton County Water Authority reserves the right to inspect any disposal site for compliance with Class “A” biosolids standards and any other issues. The Current “Residual Biosolids Management” contract is with EARTH Products Inc. at a price of \$43.00 per wet ton. In addition, all CCWA solids are approved for disposal at the Pine Ridge Regional Landfill located at 105 Bailey Jester Rd. Griffin, GA, 30224. A copy of CCWA’s approval for landfill is included as **Attachment B**.

The Contractor must provide the necessary insurance and other requirements as per attached “Risk Management Requirements”.

I have read and understand the scope of work, conditions, and requirements. I also understand, and have provided, all documentation required to be included in this Request for Bid. Omission of any part of the requested documentation may result in the bid being deemed unresponsive by the CCWA.

Signed: _____

Name (Printed): _____

Title: _____

Company: _____

Date: _____

END OF SECTION

Division 2

Bid Requirements

Section 4: Bid Form

Bid of _____

(Hereinafter "Bidder"), organized and existing under the laws of the State of _____, doing business as _____ (insert "a corporation," "a partnership," or "an individual" or such other business entity designation as is applicable).

To the Clayton County Water Authority (hereinafter "Owner").

In compliance with the Request for Bids, Bidder hereby proposes to perform all Work for **Residual Biosolids Management** in strict accordance with the bid documents as enumerated in the Request for Bids, within the time set forth therein, and at the prices stated below.

By submission of this bid, Bidder certifies, and in the case of joint bid each party thereto certifies as to the party's own organization that this bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this bid with any other Bidder or with any competitor. Bidder also certifies compliance with the Instructions to Bidders.

In submitting this bid, Bidder certifies Bidder is qualified to do business in the State of Georgia as required by laws, rules, and regulations or, if allowed by statute, covenants to obtain such qualification prior to contract award.

Bidder accepts the terms and conditions of the Documents.

BID:

The undersigned proposes to supply, in all respects, sound and conformable with this bid document the goods for the amounts as shown on this Bid Form.

ADDENDA:

Bidder acknowledges receipt of the following Addenda:

Division 2

Bid Requirements

Section 4: Bid Form

WE BID AS FOLLOWS:

**Residual Biosolids Management -
Transportation and Disposal per wet
ton (for all three CCWA facilities).**

\$ _____ * per wet ton (Includes all costs)
--

*** Per wet ton bid amount must not reflect
the 5% bid discount offered by CCWA.**

To obtain the 5% beneficial reuse discount referred to on page 2-4.2 (Special Provisions), your company MUST be compliant with the EPA's 40 CFR Part 503 regulations.

Please check if your company meets this requirement:

If checked, bidders must submit product documentation including testing and reports to confirm compliance.

As per the description, general conditions of this bid. Work to be as directed by individual representing Clayton County Water Authority.

I have read and understand the scope of work, conditions, and requirements. I also understand, and have provided, all documentation required to be included in this Request for Bid. Omission of any part of the requested documentation may result in the bid being deemed unresponsive by the CCWA.

SUBMITTED BY:

(COMPANY NAME OF BIDDER)

Is the Bidder a CCWA certified SLBE?

YES NO

Division 2

Bid Requirements

Section 4: Bid Form

Submitted by:

(COMPANY NAME OF BIDDER)

By: (OFFICER NAME)

(SIGNATURE)

(TITLE)

(DATE)

(COMPANY ADDRESS)

(CITY, STATE, ZIP CODE)

PHONE NUMBER:

FAX NUMBER:

EMAIL ADDRESS:

LICENSE NUMBER (If applicable):

DATE:

END OF SECTION

Division 2

Bid Requirements

Section 6: Bidder Qualification Information

COMPANY NAME OF BIDDER: _____

NUMBER OF YEARS IN BUSINESS _____

BUSINESS ADDRESS OF COMPANY: _____

TELEPHONE NUMBER: _____

FAX NUMBER: _____

POINT OF CONTACT NAME: _____

POINT OF CONTACT EMAIL
ADDRESS: _____

COMPANY TAX ID NUMBER: _____

COMPANY WEBSITE: _____

ENTITY TYPE: Individual/Sole Proprietor Employee Owned Company
 Privately Held Corporation/LLC Partnership
 Publicly Owned Company Attorney
 Other (specify): _____

NAME OF PRINCIPAL OFFICERS: _____

END OF SECTION

Division 2

Bid Requirements

Section 6: Bidder Qualification Information

REFERENCES

The Contractor shall include a minimum of 3 references of similar work completed in the last 3 years (2 of which preferably from a municipal/county utility). All references shall include the name of a current contact and phone number.

Company/Government Entity Name: _____
Contact Name: _____
Contact Title: _____
Address: _____
Phone Number: _____

Company/Government Entity Name: _____
Contact Name: _____
Contact Title: _____
Address: _____
Phone Number: _____

Company/Government Entity Name: _____
Contact Name: _____
Contact Title: _____
Address: _____
Phone Number: _____

Division 2

Bid Requirements

Section 6: Bidder Qualification Information

QUESTIONNAIRE:

COMPANY NAME: _____

No. of Years in Business: _____ No. of Employees: _____

No. of Municipal Customers: _____ No. of Commercial Customers: _____

Are Your Employees Contracted? Yes No

Method of Transportation: _____

Name of Transportation Company: _____

Transportation Company Location: _____

1st Dump Trailer Tag #: _____ Dimension: _____ Load Capacity: _____

2nd Dump Trailer Tag #: _____ Dimension: _____ Load Capacity: _____

3rd Dump Trailer Tag #: _____ Dimension: _____ Load Capacity: _____

4th Dump Trailer Tag #: _____ Dimension: _____ Load Capacity: _____

Other Dump Trailer Tag #: _____ Dimension: _____ Load Capacity: _____

Please check the boxes if requirements will be met:

- ALL dump trailers must be able to stand on their own with full load.
- Waterproof trailer cover must be provided for Casey Pelletizing location.
- Minimum length Dump Trailer for this bid shall be thirty feet (30') long. Roll-off containers will not be allowed for this bid.

Method of Disposal: _____

Name of Disposal Company: _____

Disposal Company Location: _____

Solid Waste Permit Information: _____

END OF SECTION

Division 2

Bid Requirements

Section 7: Contractor Affidavit & Agreement

- A. Pursuant to the Georgia Security and Immigration Compliance Act of 2006, the Contractor understands and agrees that compliance with the requirements of O.C.G.A. § 13-10-91 and Georgia Department of Labor Rule 300-10-.02 are conditions of this Agreement. The Contractor further agrees that such compliance shall be attested by the Contractor through execution of the contractor affidavit required by Georgia Department of Labor Rule 300-10-1-.07, or a substantially similar contractor affidavit. The Contractor's fully executed affidavit is attached hereto as Exhibit ____ and is incorporated into this Agreement by reference herein.

- B. By initialing in the appropriate line below, the Contractor certifies that the following employee-number category as identified in O.C.G.A. § 13-10-91 is applicable to the Contractor:
 - 1. _____ 500 or more employees;
 - 2. _____ 100 or more employees;
 - 3. _____ Fewer than 100 employees.

- C. The Contractor understands and agrees that, in the event the Contractor employs or contracts with any subcontractor or subcontractors in connection with this Agreement, the Contractor shall:
 - 1. Secure from each such subcontractor an indication of the employee-number category as identified in O.C.G.A. § 13-10-91 that is applicable to the subcontractor;
 - 2. Secure from each such subcontractor an attestation of the subcontractor's compliance with O.C.G.A. § 13-10-91 and Georgia Department of Labor Rule 300-10-1-.02 by causing each such subcontractor to execute the subcontractor affidavit required by Georgia Department of Labor Rule 300-10-1-.08, or a substantially similar subcontractor affidavit. The Contractor further understands and agrees that the Contractor shall require the executed subcontractor affidavit to become a part of the agreement between the Contractor and each such subcontractor. The Contractor agrees to maintain records of each subcontractor attestation required hereunder for inspection by the Clayton County Water Authority at any time."

Contractor _____
Authorized Signature: _____
Name: _____
Title: _____
Date: _____

Division 2

Bid Requirements

Section 7: Contractor Affidavit & Agreement

CONTRACTOR AFFIDAVIT AND AGREEMENT

By executing this affidavit, the undersigned contractor verifies its compliance with [O.C.G.A. 13-10-91](#), stating affirmatively that the individual, firm, or corporation which is contracting with the Clayton County Water Authority has registered with, is participating in, uses, and will continue to use for the duration of the contract, the federal work authorization program - EEV/Basic Pilot Program operated by the U. S. Citizenship and Immigration Services Bureau of the U.S. Department of Homeland Security, in conjunction with the Social Security Administration (SSA), commonly known as E-Verify, in accordance with the applicability provisions established in [O.C.G.A. 13-10-91](#).

The undersigned further agrees that, in connection with the physical performance of services pursuant to this contract with the Clayton County Water Authority, the contractor will only employ or contract with subcontractor(s), who can present a similar affidavit verifying the subcontractor's compliance with [O.C.G.A. 13-10-91](#). Contractor further agrees to maintain records of such compliance and provide a copy of each such verification to the Clayton County Water Authority within five days of the subcontractor(s) presenting such affidavit(s) to the contractor.

EEV / Basic Pilot Program* User Identification Number
Enter four to six digit numbers

BY: Authorized Officer or Agent
(Contractor Name)

Date

Title of Authorized Officer or Agent of Contractor

Printed Name of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME ON THIS

THE _____ DAY OF _____ 20____.

Notary Public

My Commission Expires

Division 2

Bid Requirements

Section 7: Contractor Affidavit & Agreement

SUBCONTRACTOR AFFIDAVIT AND AGREEMENT

By executing this affidavit, the undersigned subcontractor verifies its compliance with [O.C.G.A. 13-10-91](#), stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services under a contract with _____

_____ on behalf of the Clayton County Water Authority has registered with, is participating in, uses, and will continue to use for the duration of the contract the federal work authorization program - EEV/Basic Pilot Program operated by the U. S. Citizenship and Immigration Services Bureau of the U.S. Department of Homeland Security, in conjunction with the Social Security Administration (SSA), commonly known as E-Verify, in accordance with the applicability provisions and deadlines established in [O.C.G.A. 13-10-91](#).

The undersigned further agrees that, in connection with the physical performance of services pursuant to this contract with _____

_____ on behalf of the Clayton County Water Authority, the subcontractor will only employ or contract with sub-subcontractor(s), who can present a similar affidavit verifying the sub-subcontractor's compliance with [O.C.G.A. 13-10-91](#). The undersigned further agrees that the Subcontractor will maintain records of such compliance and provide a copy of each such verification to the Contractor within five days of the sub-subcontractor(s) presenting such affidavit(s) to the Sub-contractor.

EEV / Basic Pilot Program* User Identification Number

Enter four to six digit numbers

BY: Authorized Officer or Agent
(Subcontractor Name)

Date

Title of Authorized Officer or Agent of Subcontractor

Printed Name of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME ON THIS THE _____ DAY OF _____
20____.

Notary Public

My Commission Expires

END OF SECTION

Division 2 **Bid Requirements**

Section 8: Small Local Business Enterprises (SLBE) - General Information

8.1 Program Overview

Clayton County Water Authority (CCWA) has implemented a Small Local Business Enterprise Program to promote full and open competition in all government procurement and purchasing. Bid discounts for the use of Small Local Business Enterprises (SLBE's) are set on a contract by contract basis for each specific prime contract with subcontracting possibilities. CCWA wants to ensure that Bidders are non-discriminatory in their process of selecting sub-contractors. CCWA also wants to encourage Bidders to utilize small, minority or woman-owned businesses whenever possible. All forms included in this solicitation must be completed for Bidder to be considered responsive.

SLBE means a locally-based small business operating inside or outside of Clayton County, which meets the following criteria:

- A) Independently owned and operated business concern whose average annual gross receipts for the previous three years must not exceed (1) Construction Firms – \$18,250,000; (2) Professional Services Firms – \$5,500,000; Architectural Firms – \$3,750,000; Engineering Firms – \$7,500,000, and Goods and Services – less than 250 employees.
- B) Locally based, meaning located and operating in Clayton County or the ten (10) counties of Cherokee, Cobb, DeKalb, Douglas, Fayette, Fulton, Gwinnett, Henry, Rockdale and Spalding for at least one year prior to submitting application for certification.

If a firm is locally-based in one of the counties mentioned above, is currently certified as a small business through the DeKalb County, Clayton County, or the City of Atlanta, and can provide evidence of its certification, the firm will be provisionally accepted as a SLBE, provided that they complete the official certification application for CCWA within two (2) years following the date of provisional certification. If a firm meets these qualifications, but is not currently certified as a small business, then the firm must complete an application for certification with CCWA no later than seven (7) business days following the deadline for bid submission.

SLBE's must perform a commercially useful function, which means performance of provision of real and actual services under the contract or subcontract with CCWA. Factors such as the nature and amount of the work subcontracted; whether the SLBE has the skill and expertise to perform the work for which it has been certified; whether the SLBE actually performs, manages or supervises the

Division 2 **Bid Requirements**

Section 8: Small Local Business Enterprises (SLBE) - General Information

work; and whether the SLBE intends to purchase commodities and/or services from a non-SLBE and simply resell them will be considered in determining if the SLBE is performing a commercially useful function.

Participation in the SLBE program is not a requirement to participate in contracting with CCWA. The use of an SLBE is a requirement when bid discounts are to be sought. The Bidder will be required to complete the required forms as outlined in the following section.

8.2 SLBE Required Forms

This package contains the following forms that Bidders are required to submit along with their bids (in addition to general contractor forms):

- A) FORM SLBE-1P – COVENANT OF PRIME-ONLY SLBE: The undersigned prime covenants that they are a current certified Clayton County Water Authority SLBE, or they are completing the process of certification at the time of signature.

8.3 SLBE Required Post Award Submittal

The following form must be provided post award, with each pay application:

- A) SLBE-4 – Post-Award–SLBE Participation Report–Bid Discount: Report detailing SLBE earnings.

8.4 Overview of Bid Discount

Bid discounts are incentives that allow an original bid amount to be discounted for evaluation purposes in determining the lowest responsive, responsive bidder, while the original bid amount will be the basis for the contract award. SLBE Bid Discounts will be applied to CCWA certified SLBE prime bidders only, and will range between 5% and 10% depending on the bidders' location. *SLBE discounts will be offered to bidders only, not for use of any SLBE certified sub-contractors.*

Example: A \$100,000 bid with a 5% bid discount would be evaluated at \$95,000. However, \$100,000 would be paid to the successful bidder.

Division 2

Bid Requirements

Section 8: Small Local Business Enterprises (SLBE) - General Information

The calculation of SLBE bid discounts shall be as follows:

There will be an applied tiered discount to bids based on what county the SLBE business is located.

- 10 percent for SLBE's in Clayton County.
 - 7.5 percent for SLBE's within the next surrounding 5 counties (DeKalb, Fayette, Fulton, Henry and Spalding).
 - 5 percent for SLBE's for the 5 outer counties (Cherokee, Cobb, Douglas, Gwinnett and Rockdale).
- (1) Discounts are given to Bidders who are SLBE Primes only (*not for use of any SLBE certified sub-contractors*).
 - (2) In the event of a tie bid between a discounted bidder and a non-discounted bidder, the discounted bidder (SLBE) will be recommended for the contract.

By signing the bid, the bidder is certifying that he/she has complied with the requirements of this program. Please contact Contracts, Compliance and Risk Management at ccwa_slbe_program@ccwa.us for a list of certified SLBE's. The list is also available through www.ccwa.us, under the tab for "Procurement", section for "Small Local Business Program".

FORM SLBE-1P

COVENANT OF PRIME-ONLY SLBE

The undersigned understands that it is the policy of the Clayton County Water Authority (CCWA) to promote full and equal business opportunity for all persons doing business with the Authority. The undersigned covenants that we are a current certified CCWA SLBE or completing the process of certification at the time of signature. The undersigned further covenants that we have completed truthfully and fully the requirements for certification. Set forth below is the signature of an officer of the bidding entity with the authority to bind the entity.

I, _____, _____ (name, title),
on behalf of _____ (Company), by
my signature below, do hereby promise:

1. To adopt the policies of CCWA relating to equal opportunity in contracting on projects and contracts funded, in whole or in part, with funds of CCWA;
2. To provide proof of certification with CCWA;
3. To complete the certification process with CCWA if not currently certified at time of signature;

We understand that our failure to satisfactorily discharge any of the promises of non-discrimination as made and set forth herein shall constitute a material breach of contract.

Signature of Attesting Party

Title of Attesting Party

On this ____ day of _____, 20____, before me appeared
_____, the person who signed the above
covenant in my presence.

Notary Public

Seal

FORM SLBE-4

POST AWARD – MONTHLY SLBE PARTICIPATION REPORT – BID DISCOUNT INSTRUCTIONS TO CONTRACTORS

The prime contractor must complete and sign the participation report and submit the the completed and signed form with each pay application to the CCWA Project Manager in charge of the contract. Failure to submit this form may result in payment application being deemed incomplete.

1. Report Number: Reports must be consecutively numbered. It will only be necessary to submit a report in a period when the approved SLBE has performed a portion of the work that has been designated for the contract.
2. Date: Actual date of the report.
3. Prime SLBE: If you are the Prime Contractor and also the SLBE on the contract please check yes and insert assigned CCWA SLBE certification number. Note that %100 of SLBE dollars spent will be counted towards the SLBE contract or annual goal, if applicable.
4. Pay application end date: Reports must acknowledge the end date for the period for which is being reported.
5. Prior Earned Pay Application Amount: The amount previously submitted for payment on pay application.
6. Current Earned Pay Application Amount: The amount submitting with current payment application.
7. Earnings To-Date: The actual amount that each SLBE has earned to-date under the contract.
8. Total SLBE Earnings To-Date: The total is achieved by adding all payments to SLBE to date. (Previous payments reported + current payment reported)
9. Certification: The contractor's authorized representative must sign this form prior to submittal.

GENERAL INFORMATION

When the approved SLBE is to provide materials, goods or services, this completed form must be submitted to the CCWA Project Manager. The prime contractor must notify CCWA of any changes to SLBE firms.

When the prime contractor is an approved SLBE, it will only be necessary to complete the total SLBE earnings to-date. Joint ventures between non-SLBE and certified SLBE: Only that portion of the work for which the certified SLBE is responsible may be used to satisfy the requirement.

FORM SLBE-4

POST AWARD – MONTHLY SLBE PARTICIPATION REPORT – BID DISCOUNT

PROJECT NO. (S): _____ REPORT NO.: _____

CONTRACTOR: _____ DATE: _____

CONTRACT AMOUNT: \$ _____ PAY APPLICATION PERIOD END DATE: _____

PRIME SLBE CONTRACTOR? Yes No Check if final payment >>> FINAL PAYMENT
 If Yes, insert CCWA SLBE Certification # _____

NAME OF APPROVED SLBE	DESCRIPTION OF WORK	PRIOR EARNED PAY APPLICATION AMOUNT	CURRENT EARNED APPLICATION AMOUNT	EARNINGS TO-DATE

TOTAL SLBE EARNINGS TO-DATE: _____

I HEREBY CERTIFY THAT THE ABOVE STATEMENT IS TRUE AND CORRECT AND SUPPORTING DOCUMENTATION IS ON FILE AND IS AVAILABLE FOR INSPECTION BY CCWA AT ANY TIME.

SIGNED _____ CONTRACTOR _____

REMARKS _____

FOR DEPARTMENT USE ONLY:

THIS DOCUMENT HAS BEEN REVIEWED AT THAT PROJECT LEVEL BY:
 SIGNED _____ TITLE _____

THIS DOCUMENT HAS BEEN REVIEWED AT THE PROGRAM LEVEL BY:
 SIGNED _____ TITLE _____

Division 3

Contract Forms

Section 1: Agreement Form

**STATE OF GEORGIA
COUNTY OF CLAYTON**

**AGREEMENT FOR ONGOING PROVISION
OF GOODS AND SERVICES**

This Agreement made and entered into this _____ day of _____, 2017, for **Residual Biosolids Management**, between the **CLAYTON COUNTY WATER AUTHORITY** (hereinafter "the Authority") and _____ (hereinafter "the Contractor"), witnesseth:

WHEREAS, the Authority is contracting with the Contractor for the provision of certain goods and services described below for the term specified herein;

NOW THEREFORE, the parties agree as follows:

1. **DESCRIPTION OF GOODS AND SERVICES:** The Contractor shall provide the goods and services to the Authority in such quantities as the Authority requires for **Residual Biosolids Management**, as described in the Request for Bid dated May 2017.

GOODS:

The Contractor must furnish any and all items necessary including but not limited to labor, tools, materials, equipment and machinery necessary to fully provide the services as indicated by this document. This includes furnishing dump trailers for each CCWA facility when requested by the Department Manager and/or Plant Supervisor.

SERVICES:

The scope of work shall consist of transporting and disposing of dewatered sludge produced at the Clayton County Water Authority's Northeast WRF, Casey WRF, and Shoal Creek WRF, via dump trailers with a capacity not to exceed 30 tons per load. The trucks will transport the wastewater residuals to a mutually agreed upon disposal site. Trailers shall be clean before being returned to Clayton County Water Authority sites.

Quantities and Schedule: The estimated annual quantity is 6000 - 7000 wet tons. The frequency of transporting from the Northeast WRF is estimated to be up to one (1) truckload per day for five (5) days per week. An increased frequency to two (2) truckloads per day and/or six (6) days per week may be required if deemed necessary by the Department

Division 3

Contract Forms

Section 1: Agreement Form

Manager or Plant Supervisor. The frequency of transporting from Shoal Creek WRF is estimated to be up to one (1) truckload per day for four (4) days per week. An increase in frequency may be required if deemed necessary by the Department Manager or Plant Supervisor. The frequency of transporting from Casey WRF is estimated to be one (1) truckload per day for up to seven (7) days per week. Casey WRF currently operates a Pelletizing Facility and will not require services unless deemed necessary by the Department Manager or Plant Supervisor. The Clayton County Water Authority reserves the right to purchase more or less based on actual need.

2. **COSTS:** Upon each transporting and disposal, the Authority shall pay and the Contractor shall receive the prices stipulated in the Bid hereto attached and dated _____ as full compensation for everything furnished by the Contractor relative to the above described goods and services.

The Contractor must submit a completed and signed Form SLBE-4 (Monthly SLBE Participation Report) to the Authority with each invoice. The Authority shall pay the Contractor net 30 days upon receipt of the invoice and the completed SLBE-4 Form, and upon acceptance of the work in accordance with the specifications.

The Authority will accept invoices on a once per week basis. Payments will be made via US Mail.

3. **TERM OF AGREEMENT:** The term of this Agreement shall commence on or about the **1st day of August, 2017**. The Agreement shall remain in effect until **July 31, 2018**.
4. **RENEWAL PROVISIONS:** The contract may be extended for a second and/or third year by mutual written consent from both parties with no changes is contract terms, conditions, and prices.
5. **INITIATION OF INDIVIDUAL PROJECTS:** Each individual project shall begin with a Purchase Order (a "PO"), a blank copy of which is attached to this Agreement and incorporated into the terms hereby agreed to. The Contractor agrees to the terms and conditions contained in the PO; however, in the event of a conflict between the terms of this Agreement and the terms of the PO, the terms of this Agreement shall control.
6. **WARRANTY ON SERVICES RENDERED:** The Contractor warrants that its workmanship will conform to all specifications and will perform as

Division 3

Contract Forms

Section 1: Agreement Form

specified. Upon receipt of written notice of a defect in workmanship, the Contractor shall repair the defect in a timely manner at no expense to the Authority.

7. **WARRANTY ON GOODS PROVIDED:** The Contractor warrants its goods for a period of two (2) years from the date of final acceptance. Furthermore, the Contractor warrants that goods ordered to specifications will conform thereto and to any drawings, samples, or other description furnished or adopted by the Authority, and will be fit and sufficient for the purpose intended; and that all goods are merchantable, of good material and workmanship, and free from defect. Such warranties, together with the Contractor's service warranties and guarantees, if any shall survive inspection, test, acceptance of, and payment for the goods and shall run to the Authority, its successors, assigns, customers at any tier, and ultimate user and joint users. Notices of any defect or nonconformity shall be given by the Authority to the Contractor within fifteen (15) months after acceptance by ultimate user; provided however that in the event the goods are designed by the Contractor, notice must be given within three (3) years after acceptance by ultimate user. The rights and remedies of the Authority concerning latent defects shall exist indefinitely, and shall not be affected in clause. The Authority may, at its option, and in addition to other remedies available at law, either (i) return for credit, (ii) require prompt correction or replacement of the defective or nonconforming goods, or (iii) have the defective items corrected or replaced at the Contractor's expense and deduct the cost thereof from any monies due the Contractor. The return to the Contractor of any defective or nonconforming goods and delivery to the Authority of any corrected or replaced goods shall be at the Contractor's expense. Goods required to be corrected or replaced shall be at the Contractor's expense. Goods required to be corrected or replaced shall be subject to the provision of this paragraph and the paragraph of this Agreement entitled "inspection" on the same manner and to the same extent as goods originally delivered under this Agreement. In addition to correcting or replacing any defective or nonconforming goods, the Contractor shall also reimburse the Authority for all costs and expenses incurred by the Authority in connection with inspection and discovery of the defects, identifying and correcting the cause of such defects and all other activities reasonably undertaken by the Authority to obtain conforming goods or attempting to obtain from the ultimate user a waiver to permit the defective goods to be used with all or

Division 3

Contract Forms

Section 1: Agreement Form

part of the defective conditions.

8. **INSPECTION:** The Authority shall have the right to inspect the goods supplied hereunder at any time during the manufacture or fabrication thereof at the Contractor's facilities or elsewhere. Such inspection may include, without limitation, raw materials, components, work in process, and completed products as well as drawings, specifications, and released data. Final inspection and acceptance shall be after delivery to the delivery point designated by the Authority. If any inspection or test is made by the Authority at the Contractor's facility or elsewhere, the Contractor shall provide reasonable facilities and assistance for the inspection personnel. The Authority may reject all goods supplied hereunder, which are found to be defective. Goods so rejected may be returned to the Contractor at the Contractor's expense. No inspection, examination or test, regardless of extensiveness or type, and no approval give in connection with any such inspection, examination or test, whether under this Agreement or another contract for the same or similar goods, shall relieve it, of any obligation to comply fully with all requirements of this Agreement, including the obligation to produce goods that conform to all requirements of the drawings, specifications and any other Contract Documents. At the Authority's request, the Contractor shall repair or replace defective goods at the Contractor's expense. Failure to inspect goods, failure to discover defects in goods or payment for goods shall not constitute acceptance or limit any of the Authority's rights, including without limitation those under the WARRANTY provisions of this Agreement. In the event inspection reveals a defect or defects and schedule urgency requires that the defect or defects be corrected by the Authority to support production, all cost of such correction, including without limitation installation and removal, will be charged to the Contractor; such charges will also include time and material and appropriate indirect and overhead expenses. The Contractor shall maintain in inspection system acceptable to the Authority covering the goods furnished hereunder.
9. **CONTRACTOR'S AFFIDAVITS:** The Contractor shall issue a "Standard Contractor's Affidavit Interim Waiver and Release Upon Payment" and a "Standard Contractor's Affidavit Unconditional Waiver and Release upon Final Payment" provided by the Authority before receiving any interim or final payment for any services performed.

Division 3

Contract Forms

Section 1: Agreement Form

10. **ASSIGNMENT AND SUBCONTRACTING**: The Contractor shall not assign this Agreement or any portion of this Agreement, nor shall the Contractor sub contract for goods or completed or substantially completed services purchased hereunder without the prior express written consent of the Authority. No assignment or subcontract by the Contractor, including any assignment or subcontract to which the Authority consents, shall in any way relieve the Contractor from complete and punctual performance of this Agreement, including without limitation all of the Contractor's obligations under the WARRANTY provisions of this Agreement.
11. **THE AUTHORITY'S ASSISTANCE AND COOPERATION**: During the Contractor's performance of this Agreement, the Authority may, but has no obligation to, provide assistance to, or cooperate with, the Contractor in activities that facilitate the proper performance and completion of this Agreement by the Contractor. Such assistance and cooperation may include without limitation: (i) providing engineering or other analysis or advice on correcting problems; (ii) refraining from strict enforcement of time schedule requirements under this Agreement; (iii) permitting use of test materials or documentation not performed or produced under this Agreement. Such assistance or cooperation by the Authority shall not be construed, and the Contractor agrees that it will not claim that any such assistance or cooperation operates, to relieve the Contractor from complete, proper and punctual performance of all the Contractor's obligations under this Agreement.
12. **WORK ON THE AUTHORITY'S DESIGNATED PREMISES**: In the event that the Contractor, the Contractor's employees or agents or the Contractor's subcontractors enter the Authority's designated premises for any reason in connection with this Agreement, the Contractor and such other parties shall observe all security requirements and all plant safety, plant protection, and traffic regulations. The Contractor shall defend, indemnify, and hold the Authority harmless from all claims, actions, demands, loss, and causes of action, arising from injury, including death, to any person, or damage to any property, when such injury or damage results in whole or in part from the acts or omissions of the Contractor, the Contractor's employees or agents or the Contractor's subcontractor, save and except damage caused by the sole negligence of the Authority. The Contractor, and any subcontractor's used by the Contractor in connection with this Agreement, shall carry Workmen's Compensation and Employees' Liability Insurance to cover the Contractor's and any

Division 3

Contract Forms

Section 1: Agreement Form

subcontractor's legal liability on account of accidents to their employees. The Contractor and any subcontractor shall carry adequate Comprehensive General Liability and adequate Comprehensive Automobile Liability Insurance covering accidents to their employees. The Contractor and any subcontractor shall carry adequate Comprehensive General Liability and adequate Comprehensive Automobile Liability Insurance covering legal liability of the Contractor and any subcontractor on account of accidents arising out of the operations of the Contractor or any subcontractor and resulting in bodily injury, including death, being sustained by any person or persons, or in any damage to property. At the Authority's request, the Contractor shall furnish to the Authority certificates from the Contractor's insurers showing such coverage in effect and agreeing to give the Authority thirty (30) days prior written notice of cancellation of the coverage.

13. **RISK MANAGEMENT REQUIREMENTS:** The Contractor shall abide by the Authority's applicable Risk Management Requirements, attached to this Agreement as Exhibit A and hereby incorporated into this Agreement.
14. **TERMINATION FOR DEFAULT:**
 - (a) The Authority may, subject to the provisions of subparagraph (c) below, by written notice of default to the Contractor, terminate the whole or any part of this Agreement in any one of the following circumstances; (i) if the Contractor fails to perform this Agreement within the time specified herein or any extension thereof; or (ii) if the Contractor fails to perform any of the other provisions of this Agreement, or so fails to make progress as to endanger performance of this Agreement in accordance with its terms, and does not cure such failure within a period of ten (10) days or longer period (as the Authority may authorize in writing) after receipt of notice from the Authority specifying such failure.
 - (b) In the event the Authority terminates this Agreement in whole or in part as provided in subparagraph (a) above, the Authority may procure, upon such terms and in such manner as the Authority may deem appropriate, services, similar to those so terminated, and the Contractor shall be liable to the Authority for any Excess costs for the same, including without limitation all cost and expenses of the type specified in the "WARRANTY" paragraph of this Agreement; provided, that the Contractor shall continue the performance of this Agreement to the extent not terminated hereunder.

Division 3

Contract Forms

Section 1: Agreement Form

- (c) Except with regard to defaults of subcontractors, the Contractor shall not be liable for any excess costs if the failure to perform this Agreement arises out of causes beyond the control and without the fault of negligence of the Contractor such causes may include, but are not limited to, acts of God, or of the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, flood, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather, but in every case the failure to perform must be beyond the control and without the fault or negligence of the Contractor. If the failure to perform is caused by the default of a subcontractor, and if such default arises out of causes beyond the control of both the Contractor and the subcontractor, and without the fault of negligence of either of them, the Contractor shall not be liable for any excess costs for failure to perform, unless the services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the Contractor to meet the required delivery schedule. The term “subcontractor” shall mean subcontractor at any tier.
 - (d) If, after notice of termination of this Agreement under the provisions of this paragraph, it is determined for any reason that the Contractor was not in default under the provisions above or that the default was excusable under the provisions of this paragraph, the rights and obligations of the parties shall be the same as if the notice of termination has been issued pursuant to the “Termination for Convenience” paragraph of this Agreement.
 - (e) The rights and remedies of the Authority provided in this paragraph shall not be exclusive and are in addition to any other rights and remedies provided by law or under this Agreement.
15. **TERMINATION FOR CONVENIENCE**: The Authority may at any time by written notice terminate all or any part of this Agreement for the Authority’s convenience. If this Agreement is terminated, in whole or in part, for the Authority’s convenience, the Contractor shall be paid an amount, to be mutually agreed upon, which shall be adequate to cover the actual and reasonable cost paid by the Contractor for the actual goods and labor reasonably used by the Contractor to perform the work under this Agreement to the effective date of termination, plus a reasonable profit thereon; provided that no amount shall be paid to the Contractor for (i) any anticipatory profits related to work under this Agreement not yet

Division 3

Contract Forms

Section 1: Agreement Form

performed, or (ii) costs incurred due to the Contractor's failure to terminate work as ordered on the effective date of termination. In no event shall the total amount paid under the provisions of this paragraph exceed the prices set forth in this Agreement for the work terminated.

16. **DISPUTES**: Pending resolution of any dispute hereunder, the Contractor shall proceed diligently with the performance of work in accordance with the Authority's direction.
17. **NOTICES**: All notices required or permitted to be given hereunder shall be deemed to be properly given if delivered in writing personally or sent by United States certified or registered mail addressed to the Contractor or the Authority, as the case may be, with postage thereon fully prepaid. The effective time shall be at the time of mailing.
18. **ATTORNEYS' FEES**: The Contractor shall pay reasonable attorneys' fees to the Authority should the Authority be required to incur attorneys' fees in enforcing the provisions of this Agreement or in the collection of any monies herein required to be paid by the Contractor to the Authority.

[SIGNATURES ON NEXT PAGE]

Division 3

Contract Forms

Section 1: Agreement Form

IN WITNESS WHEREOF this ____ day of _____, 2017, said parties have hereunto set their seals the day and year above first written.

Executed on behalf of:

CLAYTON COUNTY WATER AUTHORITY

BY: _____

P. MICHAEL THOMAS

TITLE: GENERAL MANAGER

[Corporate Seal]

ATTEST: _____

DATE: _____

CONTRACTOR

BY: _____

TITLE:

[Corporate Seal]

ATTEST: _____

(Name) - Corporate Secretary

DATE: _____

Division 3

Contract Forms

Section 1: Agreement Form

EXHIBIT A

RISK MANAGEMENT REQUIREMENTS

The Contractor will provide minimum insurance coverage and limits as per the following: The Contractor will file with the Authority Certificates of Insurance, certifying the required insurance coverages and stating that each policy has been endorsed to provide thirty (30) day notice to the Authority in the event that coverage is cancelled, non-renewed or the types of coverage or limits of liability are reduced below those required. All bonds and insurance coverage must be placed with an insurance company approved by Authority Management, admitted to do business in the State of Georgia, and rated Secure (“B+” or better) by A.M. Best Company in the latest edition of Property and Casualty Ratings, or rated by Standard & Poors Insurance Ratings, latest edition as Secure (“BBB” or better). Worker’s Compensation self-insurance for individual Contractors must be approved by the Worker’s Compensation Board, State of Georgia and/or Self-Insurance pools approved by the Insurance Commissioner, State of Georgia.

CONTRACTS FOR UP TO \$50,000

Worker’s Compensation – Worker’s Compensation coverage on a statutory basis for the State of Georgia with an Employer’s Liability limit of \$100,000 each Accident, Disease \$100,000 each employee, \$500,000 Disease policy limit.

Automobile Liability – Automobile liability coverage for owned, hired and non-owned vehicles in the amount of \$500,000 combined single limit.

Commercial General Liability – Coverage to be provided on “occurrence” not “claims made” basis. The coverage is to include Contractual liability, Per Project Limit of Liability, losses caused by Explosion, Collapse and Underground (“xcu”) perils, the “Clayton County Water Authority” is to be added as an Additional Insured and Products and Completed Operations coverage is to be maintained for three (3) years following completion of work.

CONTRACTS FOR MORE THAN \$50,000

Worker’s Compensation – Worker’s Compensation coverage on a statutory basis for the State of Georgia with an Employer’s Liability limit of \$1,000,000. The increased Employer’s Liability limit may be provided by an Umbrella or Excess Liability policy.

Automobile Liability - Automobile liability coverage for owned, hired and non-owned vehicles in the amount of \$1,000,000 combined single limit.

Commercial General Liability – Coverage to be provided on “occurrence” not “claims made” basis. The coverage is to include Contractual liability, Per Project Limit of Liability, losses caused by Explosion, Collapse and Underground (“xcu”) perils, the “Clayton County Water Authority” is to be added as an Additional Insured and Products and Completed Operations coverage is to be maintained for three (3) years following completion of work.

Division 3

Contract Forms

Section 1: Agreement Form

EXHIBIT A

RISK MANAGEMENT REQUIREMENTS (Cont'd)

CONTRACTS FOR UP TO \$50,000

CONTRACTS FOR MORE THAN \$50,000

LIMITS OF LIABILITY:

\$1,000,000	Per Occurrence
\$1,000,000	Personal and Advertising
\$50,000	Fire Damage*
\$5,000	Medical Payments*
\$1,000,000	General Aggregate
\$1,000,000	Products/Completed Operations per Occurrence and Aggregate

**These are automatic minimums*

Owner's Protective Liability – The Authority's Management may, in its discretion, require Owner's Protective Liability in some situations.

Umbrella and/or Excess Liability – The umbrella or Excess Liability Policy may be used to combine with underlying policies to obtain the limits required. The Management of the Authority may elect to require higher limits.

Owner's Protective Liability – The Authority's Management may, in its discretion, require Owner's Protective Liability in some situations.

END OF SECTION

Division 3

Contract Forms

Section 4: Non-Collusion Certificate

STATE OF _____, COUNTY OF _____

Personally appeared before the undersigned officer duly authorized by law to administer oaths

who, after being first duly sworn, depose and say that they are all the officers, agents, persons or employees who have acted for or represented _____

_____ in procuring the Contract with the Clayton County Water Authority on the following Project: **Residual Biosolids Management**, and that said _____

_____ has not by (himself, themselves) or through any persons, officers, agents or employees prevented or attempted to prevent by any means whatsoever competition in such bidding; or by any means whatsoever prevented or endeavored to prevent anyone from making a proposal therefore, or induced or attempted to induce another to withdraw a bid for said work.

ATTEST:

By: _____
Bidder

By: _____
Name

By: _____
Name

Title: _____

Title: _____

Sworn to and subscribed before me this _____ day of _____ 20____.

Notary Public: _____ My Commission expires: _____

END OF SECTION

Division 4

General Requirements

Section 1: Specifications

4.1 DESCRIPTION OF WORK

The Clayton County Water Authority will dewater the wastewater sludge at its Northeast, Casey, and Shoal Creek Water Reclamation Facilities to approximately 15-35% solids. Solids from all three facilities will require further processing to be land applied. The successfully bidder will remove and dispose the dewatered solids from all plants via dump trailers with a capacity not to exceed 30 tons per load. Shoal Creek and Northeast WRFs have two (2) loading bays, while Casey Pelletizing site has only one (1) loading conveyor. All three sites have truck scales. The trucks will transport the wastewater residuals to a mutually agreed upon disposal site.

Trailers shall be clean before being returned to Clayton County Water Authority sites. Trailers must be left on site for loading by a screw conveyor system.

The contractor shall agree to provide any necessary labor and equipment for removal and transporting. This includes furnishing dump trailers for each CCWA facility when requested by the Department Manager and/or Plant Supervisor. The estimated annual quantity is 6000 - 7000 wet tons. The frequency of transporting from the Northeast WRF is estimated to be up to one (1) truckload per day for five (5) days per week. An increased frequency to two (2) truckloads per day and/or six (6) days per week may be required if deemed necessary by the Department Manager or Plant Supervisor. The frequency of transporting from Shoal Creek WRF is estimated to be up to one (1) truckload per day for four (4) days per week. An increase in frequency may be required if deemed necessary by the Department Manager or Plant Supervisor. The frequency of transporting from Casey WRF is estimated to be one (1) truckload per day for up to seven (7) days per week. Casey WRF currently operates a Pelletizing Facility and will not require services unless deemed necessary by the Department Manager or Plant Supervisor. The Clayton County Water Authority reserves the right to purchase more or less based on actual need.

4.2 SCOPE OF WORK

The scope of work shall consist the transporting and disposing of dewatered sludge produced at the Clayton County Water Authority's Northeast WRF at 6900 Old Macon Highway, Rex, Georgia, 30281, transporting and disposing of dewatered sludge produced at the Clayton County Water Authority's Casey WRF at 8890 Roberts Road, Jonesboro, Georgia, 30238 and transporting and

Division 4

General Requirements

Section 1: Specifications

disposing of dewatered sludge produced at the Clayton County Water Authority's Shoal Creek WRF located at 301 Hampton Road, Hampton, Georgia, 30228.

The contractor shall not make any changes from these specifications without written permission from the Manager of Water Reclamation or his authorized designated representative.

The work shall be under the direct control and supervision of the Water Reclamation Department of the Clayton County Water Authority with regard to quantities, work quality, method of operation, scheduling and furnishings of stated materials or services.

Change orders beyond the original term shall be mutually agreed and based upon written authorization from Clayton County Water Authority.

The contractor shall correct defects in any work performed before the completed project will be eligible for payment. Defects shall include, but are not limited to: lack of signed manifests, improper disposal methods or non-approved disposal site. Payment terms shall be net 30 days.

The contractor's work shall fully conform to any applicable O.S.H.A. guidelines and the Clayton County Water Authority Safety Program. The safety of the traveling public shall be of paramount importance during transportation.

The Manager of Water Reclamation of the Clayton County Water Authority on an annual basis will offer this work to the successful Bidder. If the Contractor awarded the contract rejects the work or cannot respond to the scheduling requirements (to be identified by the CCWA Manager of Water Reclamation at the time of the offer) of an offered project, the Water Authority will then offer the work to the next qualified lowest bidder. The contractor shall understand that the offered work is scheduled and the work must be performed at the scheduled time. Failure to respond to work requests at the appropriate scheduled time may result in the termination of the contract with the contractor.

Work shall be authorized by the standard Clayton County Water Authority purchase order system, referencing the estimated quantities, prices per transported load and manifest number.

END OF SECTION

ATTACHMENT A

**PACE ANALYTICAL SERVICES, INC.**

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Laboratory Report

Prepared For:

Clayton County Water Authority-WWTP

688 Flint River Road

Jonesboro, GA 30238

Attention: Ms. Jennifer Brandon

Report Number: AZK0395

November 28, 2016

Project: SC Sludge Cake

Project #:[none]

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Approved:

A handwritten signature in black ink that reads "Maura Farko". The signature is written in a cursive style and is positioned above a horizontal line.

Project Manager

This report may not be reproduced, except in full, without written approval from Pace Analytical Services, Inc.

All test results relate only to the samples analyzed.

**PACE ANALYTICAL SERVICES, INC.**

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Clayton County Water Authority-WWTP
688 Flint River Road
Jonesboro GA, 30238
Attention: Ms. Jennifer Brandon

November 28, 2016

ANALYTICAL REPORT FOR SAMPLES

<u>Sample ID</u>	<u>Laboratory ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
Shoal Creek Sludge Cake	AZK0395-01	Sludge	11/08/16 12:00	11/10/16 14:40



PACE ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Clayton County Water Authority-WWTP
688 Flint River Road
Jonesboro GA, 30238
Attention: Ms. Jennifer Brandon

November 28, 2016

Report No.: AZK0395

Project: SC Sludge Cake

Client ID: Shoal Creek Sludge Cake

Lab Number ID: AZK0395-01

Date/Time Sampled: 11/8/2016 12:00:00PM

Date/Time Received: 11/10/2016 2:40:00PM

Matrix: Sludge

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
Ammonia as N	0.130	0.00595	% dry	EPA 350.1		1	11/21/16 9:30	11/22/16 13:35	6110522	LPH
Total Kjeldahl Nitrogen as N	3.26	0.24	% dry	EPA 351.2		10	11/15/16 11:00	11/16/16 10:19	6110369	LPH
Paint Filter Liquids Test	Pass		-	EPA 9095B		1	11/21/16 11:10	11/21/16 11:10	6110541	JS
pH	6.56		pH Units	EPA 9045D	H-01	1	11/10/16 16:35	11/10/16 16:35	6110306	JS
% Solids	16.9	0.01	% by Weight	SOP		1	11/14/16 15:00	11/14/16 15:00	6110345	JPT
Total Nitrogen	3.3	0.24	% dry	Calculation		10	11/15/16 11:00	11/16/16 12:22	[CALC]	LPH
Total Organic Nitrogen	3.13	0.00400	%	Calculation		1	11/23/16 9:16	11/23/16 9:24	6110605	FDS
T. Pet Hydrocarbons (SGT-HEM)	ND	590	mg/kg dry	EPA 9071M		1	11/21/16 7:30	11/21/16 7:30	6110517	AVH
Total Solids	16.9	0.00971	%	SM 2540 G		1	11/14/16 15:00	11/14/16 15:00	6110344	JPT
Inorganic Anions										
Nitrate/Nitrite as N, Extractable	0.03	0.0006	% dry	EPA 9056A		1	11/14/16 14:50	11/16/16 12:22	6110360	RLC
Nitrate as N, Extractable	0.028	0.00058	% dry	EPA 9056A		1	11/14/16 14:50	11/16/16 12:22	6110360	RLC
Metals, Total										
Calcium	8880	560	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Iron	57800	22.4	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Phosphorus	32000	112	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Mercury	ND	0.443	mg/kg dry	EPA 7471B		1	11/14/16 16:40	11/15/16 11:19	6110358	MTC
Phosphorus	3.20	0.00280	% dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Potassium	0.298	0.0112	% dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Arsenic	ND	16.8	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Cadmium	5.78	5.60	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Chromium	32.3	5.60	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Copper	171	11.2	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Lead	ND	14.0	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Molybdenum	ND	22.4	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Nickel	14.6	11.2	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Selenium	ND	22.4	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS
Zinc	506	11.2	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:48	6110416	FBS



PACE ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Clayton County Water Authority-WWTP
688 Flint River Road
Jonesboro GA, 30238
Attention: Ms. Jennifer Brandon

November 28, 2016

Report No.: AZK0395

Project: SC Sludge Cake

Client ID: Shoal Creek Sludge Cake

Lab Number ID: AZK0395-01

Date/Time Sampled: 11/8/2016 12:00:00PM

Date/Time Received: 11/10/2016 2:40:00PM

Matrix: Sludge

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Metals, TCLP										
Mercury	ND	0.0050	mg/L	EPA 7470A		1	11/17/16 12:00	11/17/16 17:21	6110441	MTC
Arsenic	ND	0.300	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:50	6110477	FBS
Barium	ND	0.500	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:50	6110477	FBS
Cadmium	ND	0.100	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:50	6110477	FBS
Chromium	ND	0.100	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:50	6110477	FBS
Lead	ND	0.250	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:50	6110477	FBS
Selenium	ND	0.400	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:50	6110477	FBS
Silver	ND	0.100	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:50	6110477	FBS
Volatile Organic Compounds by EPA 8260, TCLP										
Benzene	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:30	6110466	JG
Carbon Tetrachloride	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:30	6110466	JG
Chlorobenzene	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:30	6110466	JG
Chloroform	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:30	6110466	JG
1,2-Dichloroethane	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:30	6110466	JG
1,1-Dichloroethene	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:30	6110466	JG
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:30	6110466	JG
Tetrachloroethene	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:30	6110466	JG
Trichloroethene	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:30	6110466	JG
Vinyl Chloride	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:30	6110466	JG
Surrogate: 1,2-Dichloroethane-d4	102 %	78-120		EPA 8260B			11/17/16 11:00	11/17/16 19:30	6110466	
Surrogate: Toluene-d8	101 %	80-120		EPA 8260B			11/17/16 11:00	11/17/16 19:30	6110466	
Surrogate: 4-Bromofluorobenzene	99 %	80-120		EPA 8260B			11/17/16 11:00	11/17/16 19:30	6110466	
Surrogate: Dibromofluoromethane	93 %	80-120		EPA 8260B			11/17/16 11:00	11/17/16 19:30	6110466	



PACE ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Clayton County Water Authority-WWTP
688 Flint River Road
Jonesboro GA, 30238
Attention: Ms. Jennifer Brandon

November 28, 2016

Report No.: AZK0395

Project: SC Sludge Cake

Client ID: Shoal Creek Sludge Cake


Lab Number ID: AZK0395-01

Date/Time Sampled: 11/8/2016 12:00:00PM

Date/Time Received: 11/10/2016 2:40:00PM

Matrix: Sludge

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270, TCLP										
Cresols, total	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 3:16	6110452	JRS
1,4-Dichlorobenzene	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 3:16	6110452	JRS
2,4-Dinitrotoluene	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 3:16	6110452	JRS
Hexachlorobenzene	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 3:16	6110452	JRS
Hexachlorobutadiene	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 3:16	6110452	JRS
Hexachloroethane	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 3:16	6110452	JRS
Nitrobenzene	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 3:16	6110452	JRS
Pentachlorophenol	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 3:16	6110452	JRS
Pyridine	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 3:16	6110452	JRS
2,4,5-Trichlorophenol	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 3:16	6110452	JRS
2,4,6-Trichlorophenol	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 3:16	6110452	JRS
Surrogate: 2-Fluorophenol	36 %	11-120		EPA 8270D			11/17/16 8:08	11/18/16 3:16	6110452	
Surrogate: Pheno-d6	25 %	10-120		EPA 8270D			11/17/16 8:08	11/18/16 3:16	6110452	
Surrogate: Nitrobenzene-d5	58 %	15-120		EPA 8270D			11/17/16 8:08	11/18/16 3:16	6110452	
Surrogate: 2-Fluorobiphenyl	68 %	23-120		EPA 8270D			11/17/16 8:08	11/18/16 3:16	6110452	
Surrogate: 2,4,6-Tribromophenol	76 %	36-120		EPA 8270D			11/17/16 8:08	11/18/16 3:16	6110452	
Surrogate: p-Terphenyl-d14	75 %	53-121		EPA 8270D			11/17/16 8:08	11/18/16 3:16	6110452	

 <p>CLAYTON COUNTY Water AUTHORITY</p> <p>Water Reclamation Laboratory 688 Flint River Rd. Jonesboro, GA. 30238 (770) 478-7496 Fax (770) 478-7301 Permit #: GA0038423 / GA02-008</p>		Composite/Grab		Analysis	
		Date	Time	Sample Description	Pres.
11-8-16	1200	Shoal Creek Sludge Cake	Ice	Total Metals	X
				TCLP Semi-Volatiles	X
				TCLP Volatiles	X
				TCLP Metals	X
				TPH (Total petroleum Hydrocarbons)	X
				Paint Filter	X
				pH	X
				Additional Information:	
				AZK0395	
Sampled By: <i>NB</i>		Date: 11-8-16	Time: 1200		
Relinquished By: <i>NB</i>		Date: 11-10-16	Time: 0900		
Received By:		Date:	Time:		
Relinquished By:		Date:	Time:		
Received By: <i>Rabinson</i>		Date: 11/10/16	Time: 1440		
		Ice, 4°C, Tactact, Courier.			

**PACE ANALYTICAL SERVICES, INC.**

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Laboratory Report

Prepared For:

**Clayton County Water Authority-WWTP
688 Flint River Road
Jonesboro, GA 30238**

Attention: Ms. Jennifer Brandon

Report Number: AZK0394

November 28, 2016

Project: NE Sludge Cake

Project #:[none]

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Approved:

A handwritten signature in black ink, appearing to read "Maya Tarko", written over a horizontal line.

Project Manager

This report may not be reproduced, except in full, without written approval from Pace Analytical Services, Inc.

All test results relate only to the samples analyzed.

**PACE ANALYTICAL SERVICES, INC.**

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Clayton County Water Authority-WWTP
688 Flint River Road
Jonesboro GA, 30238
Attention: Ms. Jennifer Brandon

November 28, 2016

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Northeast Sludge Cake	AZK0394-01	Sludge	11/08/16 11:00	11/10/16 14:40



PACE ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Clayton County Water Authority-WWTP
688 Flint River Road
Jonesboro GA, 30238
Attention: Ms. Jennifer Brandon

November 28, 2016

Report No.: AZK0394

Project: NE Sludge Cake

Client ID: Northeast Sludge Cake

Lab Number ID: AZK0394-01

Date/Time Sampled: 11/8/2016 11:00:00AM

Date/Time Received: 11/10/2016 2:40:00PM

Matrix: Sludge

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
Ammonia as N	0.639	0.00495	% dry	EPA 350.1		1	11/21/16 9:30	11/22/16 13:35	6110522	LPH
Total Kjeldahl Nitrogen as N	7.67	0.20	% dry	EPA 351.2		10	11/15/16 11:00	11/16/16 10:17	6110369	LPH
Paint Filter Liquids Test	Pass		-	EPA 9095B		1	11/21/16 11:00	11/21/16 11:00	6110541	JS
pH	7.67		pH Units	EPA 9045D	H-01	1	11/10/16 16:35	11/10/16 16:35	6110306	JS
% Solids	20.4	0.01	% by Weight	SOP Moisture		1	11/14/16 15:00	11/14/16 15:00	6110345	JPT
Total Nitrogen	7.7	0.20	% dry	Calculation		10	11/15/16 11:00	11/16/16 12:01	[CALC]	LPH
Total Organic Nitrogen	7.03	0.00400	%	Calculation		1	11/23/16 9:16	11/23/16 9:24	6110605	FDS
T. Pet Hydrocarbons (SGT-HEM)	ND	490	mg/kg dry	EPA 9071M		1	11/21/16 7:30	11/21/16 7:30	6110517	AVH
Total Solids	20.4	0.00989	%	SM 2540 G		1	11/14/16 15:00	11/14/16 15:00	6110344	JPT
Inorganic Anions										
Nitrate/Nitrite as N, Extractable	ND	0.0005	% dry	EPA 9056A		1	11/14/16 14:50	11/16/16 12:01	6110360	RLC
Nitrate as N, Extractable	ND	0.00048	% dry	EPA 9056A		1	11/14/16 14:50	11/16/16 12:01	6110360	RLC
Metals, Total										
Mercury	0.449	0.364	mg/kg dry	EPA 7471B		1	11/14/16 16:40	11/15/16 11:16	6110358	MTC
Phosphorus	3.25	0.00240	% dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:55	6110416	FBS
Potassium	0.355	0.00960	% dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:55	6110416	FBS
Arsenic	ND	14.4	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:55	6110416	FBS
Cadmium	ND	4.80	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:55	6110416	FBS
Chromium	28.3	4.80	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:55	6110416	FBS
Copper	270	9.60	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:55	6110416	FBS
Lead	ND	12.0	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:55	6110416	FBS
Molybdenum	ND	19.2	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:55	6110416	FBS
Nickel	11.2	9.60	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:55	6110416	FBS
Selenium	ND	19.2	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:55	6110416	FBS
Zinc	424	9.60	mg/kg dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:55	6110416	FBS
Potassium	0.355	0.00960	% dry	EPA 6010C		1	11/16/16 13:25	11/17/16 12:55	6110416	FBS



PACE ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
 110 Technology Parkway, Peachtree Corners, GA 30092
 (770) 734-4200 FAX (770) 734-4201

Clayton County Water Authority-WWTP
 688 Flint River Road
 Jonesboro GA, 30238
 Attention: Ms. Jennifer Brandon

November 28, 2016

Report No.: AZK0394

Project: NE Sludge Cake

Client ID: Northeast Sludge Cake

Lab Number ID: AZK0394-01

Date/Time Sampled: 11/8/2016 11:00:00AM

Date/Time Received: 11/10/2016 2:40:00PM

Matrix: Sludge

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Metals, TCLP										
Mercury	ND	0.0050	mg/L	EPA 7470A		1	11/17/16 12:00	11/17/16 17:19	6110441	MTC
Arsenic	ND	0.300	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:47	6110477	FBS
Barium	ND	0.500	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:47	6110477	FBS
Cadmium	ND	0.100	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:47	6110477	FBS
Chromium	ND	0.100	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:47	6110477	FBS
Lead	ND	0.250	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:47	6110477	FBS
Selenium	ND	0.400	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:47	6110477	FBS
Silver	ND	0.100	mg/L	EPA 6010C		1	11/18/16 9:50	11/18/16 13:47	6110477	FBS
Volatile Organic Compounds by EPA 8260, TCLP										
Benzene	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:01	6110466	JG
Carbon Tetrachloride	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:01	6110466	JG
Chlorobenzene	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:01	6110466	JG
Chloroform	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:01	6110466	JG
1,2-Dichloroethane	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:01	6110466	JG
1,1-Dichloroethene	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:01	6110466	JG
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:01	6110466	JG
Tetrachloroethene	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:01	6110466	JG
Trichloroethene	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:01	6110466	JG
Vinyl Chloride	ND	0.2	mg/L	EPA 8260B		1	11/17/16 11:00	11/17/16 19:01	6110466	JG
Surrogate: 1,2-Dichloroethane-d4	103 %	78-120		EPA 8260B			11/17/16 11:00	11/17/16 19:01	6110466	
Surrogate: Toluene-d8	100 %	80-120		EPA 8260B			11/17/16 11:00	11/17/16 19:01	6110466	
Surrogate: 4-Bromofluorobenzene	99 %	80-120		EPA 8260B			11/17/16 11:00	11/17/16 19:01	6110466	
Surrogate: Dibromofluoromethane	96 %	80-120		EPA 8260B			11/17/16 11:00	11/17/16 19:01	6110466	



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Clayton County Water Authority-WWTP
 688 Flint River Road
 Jonesboro GA, 30238
 Attention: Ms. Jennifer Brandon

November 28, 2016

Report No.: AZK0394

Project: NE Sludge Cake

Client ID: Northeast Sludge Cake

Lab Number ID: AZK0394-01

Date/Time Sampled: 11/8/2016 11:00:00AM

Date/Time Received: 11/10/2016 2:40:00PM

Matrix: Sludge

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270, TCLP										
Cresols, total	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 2:50	6110452	JRS
1,4-Dichlorobenzene	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 2:50	6110452	JRS
2,4-Dinitrotoluene	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 2:50	6110452	JRS
Hexachlorobenzene	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 2:50	6110452	JRS
Hexachlorobutadiene	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 2:50	6110452	JRS
Hexachloroethane	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 2:50	6110452	JRS
Nitrobenzene	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 2:50	6110452	JRS
Pentachlorophenol	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 2:50	6110452	JRS
Pyridine	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 2:50	6110452	JRS
2,4,5-Trichlorophenol	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 2:50	6110452	JRS
2,4,6-Trichlorophenol	ND	0.1	mg/L	EPA 8270D		1	11/17/16 8:08	11/18/16 2:50	6110452	JRS
Surrogate: 2-Fluorophenol	34 %	11-120		EPA 8270D			11/17/16 8:08	11/18/16 2:50	6110452	
Surrogate: Pheno-d6	24 %	10-120		EPA 8270D			11/17/16 8:08	11/18/16 2:50	6110452	
Surrogate: Nitrobenzene-d5	57 %	15-120		EPA 8270D			11/17/16 8:08	11/18/16 2:50	6110452	
Surrogate: 2-Fluorobiphenyl	63 %	23-120		EPA 8270D			11/17/16 8:08	11/18/16 2:50	6110452	
Surrogate: 2,4,6-Tribromophenol	77 %	36-120		EPA 8270D			11/17/16 8:08	11/18/16 2:50	6110452	
Surrogate: p-Terphenyl-d14	67 %	53-121		EPA 8270D			11/17/16 8:08	11/18/16 2:50	6110452	

**PACE ANALYTICAL SERVICES, INC.**

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Laboratory Report**Prepared For:**

**Clayton County Water Authority-WWTP
688 Flint River Road
Jonesboro, GA 30238**

Attention: Ms. Jennifer Brandon**Report Number: AZJ0521****November 01, 2016****Project: Pelletizing Sludge Cake****Project #:[none]**

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Approved:

A handwritten signature in black ink, appearing to read "Maura Tarkenton", written over a horizontal line.

Project Manager

This report may not be reproduced, except in full, without written approval from Pace Analytical Services, Inc. Pace Analytical Services, Inc. certifies that the following analytical results meet all requirements of the National Environmental Laboratory Accreditation Conference (NELAC).
All test results relate only to the samples analyzed.



PACE ANALYTICAL SERVICES, INC.

ATTACHMENT A

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Clayton County Water Authority-WWTP
688 Flint River Road
Jonesboro GA, 30238
Attention: Ms. Jennifer Brandon

November 01, 2016

ANALYTICAL REPORT FOR SAMPLES

<u>Sample ID</u>	<u>Laboratory ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
Pelletizing Sludge Cake	AZJ0521-01	Sludge	10/19/16 10:30	10/19/16 11:40



PACE ANALYTICAL SERVICES, INC.
 Environmental Monitoring & Laboratory Analysis
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Clayton County Water Authority-WWTP
 688 Flint River Road
 Jonesboro GA, 30238
 Attention: Ms. Jennifer Brandon

November 01, 2016

Project: Pelletizing Sludge Cake

Report No.: AZJ0521

Client ID: Pelletizing Sludge Cake

Date/Time Sampled: 10/19/2016 10:30:00AM

Lab Number ID: AZJ0521-01

Date/Time Received: 10/19/2016 11:40:00AM

Matrix: Sludge

Analyte	Result	RL	TCLP Limit	Units	Method	Qual.	DF	Prep Date	Analysis Date	Batch	Init.
General Chemistry											
Ammonia as N	0.241	0.00547	--	% dry	EPA 350.1		1	10/21/16 07:30	10/21/16 11:24	6100547	LPH
Paint Filter Liquids Test	Pass		--	-	EPA 9095B		1	10/28/16 10:20	10/28/16 10:20	6100756	JS
pH	5.37		--	pH Units	EPA 9045D		1	10/19/16 12:30	10/19/16 12:30	6100488	JS
% Solids	18.3	0.01	--	% by Weight	SOP Moisture		1	10/24/16 11:40	10/24/16 11:40	6100603	JPT
Total Kjeldahl Nitrogen as N	6.03	0.432	--	% dry	EPA 351.2		20	10/20/16 09:15	10/20/16 14:31	6100507	LPH
Total Organic Nitrogen *	5.79	0.00400	--	%	Calculation		1	10/31/16 15:57	10/31/16 16:03	6100827	FDS
T. Pet Hydrocarbons (SGT-HE)	ND	550	--	mg/kg dry	EPA 9071M		1	10/20/16 08:30	10/20/16 08:30	6100508	AVH
Total Solids	18.3	0.00994	--	%	SM 2540 G		1	10/24/16 11:40	10/24/16 11:40	6100602	JPT
Inorganic Anions											
Nitrate as N, Extractable	ND	0.00054	--	% dry	EPA 9056A		1	10/21/16 11:23	10/24/16 13:40	6100568	RLC
Metals, Total											
Calcium	7600	90.1	--	mg/kg dry	EPA 6010C		1	10/25/16 14:55	10/26/16 12:47	6100620	FBS
Iron	29800	36.0	--	mg/kg dry	EPA 6010C		10	10/25/16 14:55	10/26/16 13:11	6100620	FBS
Mercury	ND	0.396	--	mg/kg dry	EPA 7471B		1	10/25/16 15:25	10/26/16 11:00	6100622	MTC
Arsenic	ND	2.70	41	mg/kg dry	EPA 6010C		1	10/25/16 14:55	10/26/16 12:47	6100620	FBS
Cadmium	3.31	0.901	39	mg/kg dry	EPA 6010C		1	10/25/16 14:55	10/26/16 12:47	6100620	FBS
Chromium	12.2	0.901	--	mg/kg dry	EPA 6010C		1	10/25/16 14:55	10/26/16 12:47	6100620	FBS
Copper	216	1.80	1500	mg/kg dry	EPA 6010C		1	10/25/16 14:55	10/26/16 12:47	6100620	FBS
Lead	14.2	2.25	300	mg/kg dry	EPA 6010C		1	10/25/16 14:55	10/26/16 12:47	6100620	FBS
Molybdenum	7.97	3.60	75	mg/kg dry	EPA 6010C		1	10/25/16 14:55	10/26/16 12:47	6100620	FBS
Nickel	9.81	1.80	420	mg/kg dry	EPA 6010C		1	10/25/16 14:55	10/26/16 12:47	6100620	FBS
Selenium	ND	3.60	100	mg/kg dry	EPA 6010C		1	10/25/16 14:55	10/26/16 12:47	6100620	FBS
Zinc	415	1.80	2800	mg/kg dry	EPA 6010C		1	10/25/16 14:55	10/26/16 12:47	6100620	FBS
Potassium	0.236	0.00180	--	% dry	EPA 6010C		1	10/25/16 14:55	10/26/16 12:47	6100620	FBS



PACE ANALYTICAL SERVICES, INC.

ATTACHMENT A

Environmental Monitoring & Laboratory Analysis
 110 Technology Parkway, Peachtree Corners, GA 30092
 (770) 734-4200 FAX (770) 734-4201

Clayton County Water Authority-WWTP
 688 Flint River Road
 Jonesboro GA, 30238
 Attention: Ms. Jennifer Brandon

November 01, 2016

Project: Pelletizing Sludge Cake
Client ID: Pelletizing Sludge Cake
Lab Number ID: AZJ0521-01
Matrix: Sludge

Report No.: AZJ0521
Date/Time Sampled: 10/19/2016 10:30:00AM
Date/Time Received: 10/19/2016 11:40:00AM

Analyte	Result	RL	TCLP Limit	Units	Method	Qual.	DF	Prep Date	Analysis Date	Batch	Init.
Metals, TCLP											
Mercury	ND	0.0050	0.2	mg/L	EPA 7470A		1	10/27/16 09:30	10/27/16 14:03	6100699	DDN
Arsenic	ND	0.300	5	mg/L	EPA 6010C		1	10/27/16 09:55	10/28/16 12:18	6100696	FBS
Barium	ND	0.500	100	mg/L	EPA 6010C		1	10/27/16 09:55	10/28/16 12:18	6100696	FBS
Cadmium	ND	0.100	1	mg/L	EPA 6010C		1	10/27/16 09:55	10/28/16 12:18	6100696	FBS
Chromium	ND	0.100	5	mg/L	EPA 6010C		1	10/27/16 09:55	10/28/16 12:18	6100696	FBS
Lead	ND	0.250	5	mg/L	EPA 6010C		1	10/27/16 09:55	10/28/16 12:18	6100696	FBS
Selenium	ND	0.400	1	mg/L	EPA 6010C		1	10/27/16 09:55	10/28/16 12:18	6100696	FBS
Silver	ND	0.100	5	mg/L	EPA 6010C		1	10/27/16 09:55	10/28/16 12:18	6100696	FBS
Volatile Organic Compounds by EPA 8260, TCLP											
Benzene	ND	0.2	0.5	mg/L	EPA 8260B		1	10/20/16 11:00	10/20/16 21:33	6100536	JG
Carbon Tetrachloride	ND	0.2	0.5	mg/L	EPA 8260B		1	10/20/16 11:00	10/20/16 21:33	6100536	JG
Chlorobenzene	ND	0.2	100	mg/L	EPA 8260B		1	10/20/16 11:00	10/20/16 21:33	6100536	JG
Chloroform	ND	0.2	6	mg/L	EPA 8260B		1	10/20/16 11:00	10/20/16 21:33	6100536	JG
1,2-Dichloroethane	ND	0.2	0.5	mg/L	EPA 8260B		1	10/20/16 11:00	10/20/16 21:33	6100536	JG
1,1-Dichloroethene	ND	0.2	0.7	mg/L	EPA 8260B		1	10/20/16 11:00	10/20/16 21:33	6100536	JG
Methyl Ethyl Ketone (2-Butano	ND	5.0	200	mg/L	EPA 8260B		1	10/20/16 11:00	10/20/16 21:33	6100536	JG
Tetrachloroethene	ND	0.2	0.7	mg/L	EPA 8260B		1	10/20/16 11:00	10/20/16 21:33	6100536	JG
Trichloroethene	ND	0.2	0.5	mg/L	EPA 8260B		1	10/20/16 11:00	10/20/16 21:33	6100536	JG
Vinyl Chloride	ND	0.2	0.2	mg/L	EPA 8260B		1	10/20/16 11:00	10/20/16 21:33	6100536	JG
Surrogate: 1,2-Dichloroethane- <i>l</i>	102 %		78-120		EPA 8260B			10/20/16 11:00	10/20/16 21:33	6100536	
Surrogate: Toluene- <i>d8</i>	98 %		80-120		EPA 8260B			10/20/16 11:00	10/20/16 21:33	6100536	
Surrogate: 4-Bromofluorobenzene	98 %		80-120		EPA 8260B			10/20/16 11:00	10/20/16 21:33	6100536	
Surrogate: Dibromofluoromethane	91 %		80-120		EPA 8260B			10/20/16 11:00	10/20/16 21:33	6100536	



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 Jonesboro GA, 30238
 Attention: Ms. Jennifer Brandon

November 01, 2016

Project: Pelletizing Sludge Cake
Client ID: Pelletizing Sludge Cake
Lab Number ID: AZJ0521-01
Matrix: Sludge

Report No.: AZJ0521
Date/Time Sampled: 10/19/2016 10:30:00AM
Date/Time Received: 10/19/2016 11:40:00AM

Analyte	Result	RL	TCLP Limit	Units	Method	Qual.	DF	Prep Date	Analysis Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270, TCLP											
Cresols, total	ND	0.1	200	mg/L	EPA 8270D		1	10/26/16 08:35	10/26/16 17:54	6100669	JRS
1,4-Dichlorobenzene	ND	0.1	7.5	mg/L	EPA 8270D		1	10/26/16 08:35	10/26/16 17:54	6100669	JRS
2,4-Dinitrotoluene	ND	0.1	0.13	mg/L	EPA 8270D		1	10/26/16 08:35	10/26/16 17:54	6100669	JRS
Hexachlorobenzene	ND	0.1	0.13	mg/L	EPA 8270D		1	10/26/16 08:35	10/26/16 17:54	6100669	JRS
Hexachlorobutadiene	ND	0.1	0.5	mg/L	EPA 8270D		1	10/26/16 08:35	10/26/16 17:54	6100669	JRS
Hexachloroethane	ND	0.1	3	mg/L	EPA 8270D		1	10/26/16 08:35	10/26/16 17:54	6100669	JRS
Nitrobenzene	ND	0.1	2	mg/L	EPA 8270D		1	10/26/16 08:35	10/26/16 17:54	6100669	JRS
Pentachlorophenol	ND	0.1	100	mg/L	EPA 8270D		1	10/26/16 08:35	10/26/16 17:54	6100669	JRS
Pyridine	ND	0.1	5	mg/L	EPA 8270D		1	10/26/16 08:35	10/26/16 17:54	6100669	JRS
2,4,5-Trichlorophenol	ND	0.1	400	mg/L	EPA 8270D		1	10/26/16 08:35	10/26/16 17:54	6100669	JRS
2,4,6-Trichlorophenol	ND	0.1	2	mg/L	EPA 8270D		1	10/26/16 08:35	10/26/16 17:54	6100669	JRS
Surrogate: 2-Fluorophenol	45 %		11-120		EPA 8270D			10/26/16 08:35	10/26/16 17:54	6100669	
Surrogate: Phenol-d6	32 %		10-120		EPA 8270D			10/26/16 08:35	10/26/16 17:54	6100669	
Surrogate: Nitrobenzene-d5	73 %		15-120		EPA 8270D			10/26/16 08:35	10/26/16 17:54	6100669	
Surrogate: 2-Fluorobiphenyl	90 %		23-120		EPA 8270D			10/26/16 08:35	10/26/16 17:54	6100669	
Surrogate: 2,4,6-Tribromophenol	91 %		36-120		EPA 8270D			10/26/16 08:35	10/26/16 17:54	6100669	
Surrogate: p-Terphenyl-d14	96 %		53-121		EPA 8270D			10/26/16 08:35	10/26/16 17:54	6100669	

ATTACHMENT B

SPECIAL WASTE PROFILE - RECERTIFICATION

Saveable fill-in form Restricted printing until all required (yellow) fields are completed

Disposal Facility: 3708 Pine Ridge LF GA

Waste Profile #

I. Generator Information

Generator Name: Clayton County Water Authority Shoal Creek WRF			
Generator Site Address: 301 Hampton Rd			
City: Hampton	County: Clayton	State: Georgia	Zip: 30228
State ID/Reg No:	State Approval/Waste Code:		NAICS #:
Generator Mailing Address (if different): <input type="checkbox"/> 301 Hampton Rd			
City: Hampton	County:	State: Georgia	Zip: 30228
Generator Contact Name: Jennifer Brandon/Herlon Fayard		Email: herlon.fayard@ccwa.us	
Phone Number: (770) 302-3448		Fax Number: (770) 707-1925	


II. Waste Stream Information

Name of Waste: Shoal Creek Waste Activated Sludge	
Check Section 1 OR Section 2 below:	
1. <input type="checkbox"/>	<p><u>There has been a change</u> in the characteristics of the waste stream due to the following:</p> <ul style="list-style-type: none"> a. Change of a raw material used in the waste generating process. b. Change in the waste generating process itself. c. Change in a physical characteristic of the waste. d. New information has been documented concerning the human health effects of exposure to the waste. <p>If any of these changes have occurred, a new laboratory analysis and profile sheet must be completed. Attach copies of the new chemical analysis and new Special Waste Profile with the appropriate signatures.</p>
2. <input checked="" type="checkbox"/>	<p><u>There have been no changes</u> that would alter the physical characteristics of the special waste stream. Updated analytical may be required.</p>

III. Representative Sample Certification

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?		<input type="checkbox"/> No Sample Taken <input checked="" type="checkbox"/> YES or <input type="checkbox"/> NO
Type of Sample: <input type="checkbox"/> COMPOSITE SAMPLE <input checked="" type="checkbox"/> GRAB SAMPLE		
Sample Date: 11/08/2016		
Sample ID Numbers: Shoal Creek Sludge Cake		

IV. Certification

I hereby certify that to the best of my knowledge and belief, the information contained in the Special Waste Profile - Recertification and the information in the Original Special Waste Profile is true, complete and accurate.	
Jennifer Brandon/Environmental Compliance Coordinator Authorized Representative Name And Title (Printed)	Clayton County Water Authority Company Name
 Authorized Representative Signature	1-24-17 Date

SPECIAL WASTE PROFILE - RECERTIFICATION

Saveable fill-in form. Restricted printing until all required (yellow) fields are completed

Waste Profile #

Disposal Facility: 3708 Pine Ridge LF GA

I. Generator Information

Generator Name: Clayton County Water Authority Northeast WRF			
Generator Site Address: 6900 Old Macon Highway			
City: Rex	County: Henry	State: Georgia	Zip: 30273
State ID/Reg No:	State Approval/Waste Code:		NAICS #:
Generator Mailing Address (if different): <input type="checkbox"/> 6900 Old Macon Highway			
City: Rex	County:	State: Georgia	Zip: 30273
Generator Contact Name: Jennifer Brandon/David Blackstock		Email: dblackstock@ccwa.us	
Phone Number: (770) 302-3450		Fax Number: (770) 474-9408	


II. Waste Stream Information

Name of Waste: Waste Activated Sludge	
Check Section 1 OR Section 2 below:	
1. <input type="checkbox"/>	<p><u>There has been a change</u> in the characteristics of the waste stream due to the following:</p> <ul style="list-style-type: none"> a. Change of a raw material used in the waste generating process. b. Change in the waste generating process itself. c. Change in a physical characteristic of the waste. d. New information has been documented concerning the human health effects of exposure to the waste. <p>If any of these changes have occurred, a new laboratory analysis and profile sheet must be completed. Attach copies of the new chemical analysis and new Special Waste Profile with the appropriate signatures.</p>
2. <input checked="" type="checkbox"/>	<p><u>There have been no changes</u> that would alter the physical characteristics of the special waste stream. Updated analytical may be required.</p>

III. Representative Sample Certification

<input type="checkbox"/> No Sample Taken	
Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	<input checked="" type="checkbox"/> YES or <input type="checkbox"/> NO
Type of Sample: <input checked="" type="checkbox"/> COMPOSITE SAMPLE <input type="checkbox"/> GRAB SAMPLE	
Sample Date: 11/08/2016	
Sample ID Numbers: Northeast Sludge Cake	

IV. Certification

I hereby certify that to the best of my knowledge and belief, the information contained in the Special Waste Profile - Recertification and the information in the Original Special Waste Profile is true, complete and accurate.	
Jennifer Brandon/Environmental Compliance Coordinator Authorized Representative Name And Title (Printed)	Clayton County Water Authority Company Name
 _____ Authorized Representative Signature	1-24-17 Date



SPECIAL WASTE PROFILE - RECERTIFICATION

Saveable fill-in form Restricted printing until all required (yellow) fields are completed

Disposal Facility: 3708 Pine Ridge LF GA

Waste Profile #

I. Generator Information

Generator Name: Clayton County Water Authority Casey Pelletizing WRF			
Generator Site Address: 8890 Roberts Rd.			
City: Jonesboro	County: Clayton	State: Georgia	Zip: 30238
State ID/Reg No:	State Approval/Waste Code:		NAICS #:
Generator Mailing Address (if different): <input type="checkbox"/> 8890 Roberts Rd.			
City: Jonesboro	County:	State: Georgia	Zip: 30238
Generator Contact Name: Jennifer Brandon/Dan Doss		Email: dan.doss@ccwa.us	
Phone Number: (770) 302-3457		Fax Number:	

II. Waste Stream Information

Name of Waste: Pelletizing Sludge Cake	
Check Section 1 OR Section 2 below:	
1. <input type="checkbox"/>	<p><u>There has been a change</u> in the characteristics of the waste stream due to the following:</p> <ul style="list-style-type: none"> a. Change of a raw material used in the waste generating process. b. Change in the waste generating process itself. c. Change in a physical characteristic of the waste. d. New information has been documented concerning the human health effects of exposure to the waste. <p>If any of these changes have occurred, a new laboratory analysis and profile sheet must be completed. Attach copies of the new chemical analysis and new Special Waste Profile with the appropriate signatures.</p>
2. <input checked="" type="checkbox"/>	<p><u>There have been no changes</u> that would alter the physical characteristics of the special waste stream. Updated analytical may be required.</p>

III. Representative Sample Certification

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	<input type="checkbox"/> No Sample Taken
<input checked="" type="checkbox"/> YES or <input type="checkbox"/> NO	
Type of Sample: <input checked="" type="checkbox"/> COMPOSITE SAMPLE <input checked="" type="checkbox"/> GRAB SAMPLE	
Sample Date: 10/19/2016	
Sample ID Numbers: Pelletizing Sludge Cake	

IV. Certification

I hereby certify that to the best of my knowledge and belief, the information contained in the Special Waste Profile - Recertification and the information in the Original Special Waste Profile is true, complete and accurate.	
Jennifer Brandon/Environmental Compliance Coordinator Authorized Representative Name And Title (Printed)	Clayton County Water Authority Company Name
 _____ Authorized Representative Signature	1-24-17 Date