

ADDENDUM #2

**RESIDUALS REMOVAL AT R.W. NEILSON WTP
IF18145**

BIDS WILL BE OPENED

1:00 PM December 1, 2017

ROOM 16, CITY HALL BUILDING
101 NORTH MAIN STREET
WINSTON-SALEM, NORTH CAROLINA

November 21, 2017

Please acknowledge receipt of this Addendum and include with your bid proposal.

Jerry Bates
Purchasing Director

Russell Frye
Buyer

Company

Authorized Signature

Date

BID CLARIFICATIONS

Please see below for revisions to the original specifications along with questions from bidders and related responses from the City

1. **Work Hours (Page 24)** – Should be replaced with the following: “Work hours for this project are limited to 7:00 a.m. to 5:00 p.m., Monday through Friday.”
2. **Residuals Sampling and Reporting Deliverables (Page 26)** - Should be replaced with the following:

Residuals Testing, Sample Collection and Annual Reporting

The Contractor shall have on site at all times a foreman responsible for overseeing the work being performed. The foreman shall coordinate with the Swann WTP Plant Supervisor/ORC regarding the work performed.

The Contractor shall be responsible for the following:

Soil Sampling

- Collection and analysis of representative soil samples from all parcels residuals are applied to prior to residuals application.
- Actual application quantities per acre for lime applied to each parcel.
- Soil reports for each parcel residuals are applied to.

Residuals Sampling and Reporting Deliverables

- The Contractor shall maintain logs for each application site detailing the rate of application per site (PAN), maps with boundaries drawn showing disposal area for each site and sodium absorption rate (SAR)/exchangeable sodium percentage (ESP) for the residuals applied.

- Collection and analysis of residuals to demonstrate that residuals are non-hazardous (i.e. TCLP, ignitability, reactivity, and corrosivity) as stipulated under permit Condition IV.2. **NOTE:** These samples are required once per permit cycle and were collected during residuals removal in April 2016, therefore, they are not due again until 2021.
 - Collection, analysis and delivery of final report to owner of required metals and nutrient samples as stipulated under permit Condition IV.3 by a NC certified laboratory.
 - Adherence to monitoring frequencies based on dry tons as outlined in Condition 5. of permit Attachment A for metals and nutrients.
 - Obtaining signed Land Use Agreements by land owners/entities receiving residuals, City of Winston-Salem ORC, and representative from company land applying residuals for each parcel of land residuals are applied to.
 - Completion of the following reports necessary for annual reporting which must be delivered to the ORC no later than February 1 following the year in which residuals were applied to allow the ORC ample time to review and submit the annual report to the State of North Carolina.
 - DENR Form DMSDF – Class A Annual Distribution and Marketing/Surface Disposal Certification and Summary Form signed by preparer.
 - DENR Form DMSDF – Supplemental Form - Class A Annual Distribution and Marketing/Surface Disposal Certification and Summary Form – Supplemental information signed by preparer.
 - DENR Form RSSF – Annual Residual Sampling Summary Form signed by preparer.
 - DENR Form RSSF – B Annual Residual Sampling Summary Form signed by preparer.
 - All sample analysis final reports, laboratory data sheets and chain of custodies supporting above forms.
 - Maps of each residuals distribution site with boundaries of residuals application clearly delineated.
 - Soil reports for each parcel residuals applied to.
 - Contractor logs for each application site detailing the rate of application per site (PAN).
 - Contractor logs detailing sodium absorption rate (SAR)/exchangeable sodium percentage (ESP) for the residuals applied for each parcel.
3. **Contractor Schedule (Pages 13 / 24):** References to when the contractor must begin work after receiving the notice to proceed have been eliminated for this project.
- **Question:** Can the material be disposed of in a certified landfill?
 - **Response:** *Yes, with the following requirements:*
 - *Prior to hauling any residuals, the successful bidder must provide the landfill the Contractor intends to use. The City of Winston-Salem will verify through the NC Department of Environmental Quality, Division of Aquifer Protection, to confirm the selected landfill is certified to receive the material. Once confirmed the Neilson Plant Supervisor or Water Treatment Superintendent will provide notice to proceed.*
 - *The Contractor must provide the City with all original load tickets of material hauled to the approved landfill.*
 - *All associated landfill tipping fees are the responsibility of the Contractor.*

Revisions of the affected pages from the original bid document are included with this addendum.

Please be sure to include a signed copy of this addendum with your bid!

PROPOSAL FORM
(Revised)

**RESIDUALS REMOVAL FROM LAGOONS at
R.W. NEILSON WTP**

CITY/COUNTY UTILITIES COMMISSION

Submit bids to:

U.S. Mail address:
City/County Purchasing Department
Post Office Box 2511
Winston-Salem, North Carolina 27102

Hand delivery & FedEx address:
City/County Purchasing Department
101 N. Main Street, 324 City Hall
Winston-Salem, North Carolina 27101

BIDDER BUSINESS NAME: _____

The City of Winston-Salem has determined the need for removal of residuals from lagoons at this facility. Please read carefully all pages of the bidding documents. End of question period is **5:00 PM, November 27, 2017**.

The undersigned bidder affirms and declares that they have carefully examined the specifications contained herein, visited the site of the proposed work and will provide the service in accordance with those specifications, and the requirements under them for the following sum to wit:

ITEM NO. 1

Furnish all labor, materials, equipment, supervision, insurance, permits and abide by all local state and federal codes, laws, rules, regulations ordinances applicable to **removal, hauling and land application of residuals, as per the city's current land application permit #WQ0031314, from the residuals lagoons at the R.W. Neilson WTP, 5725 Frye bridge Rd Clemmons, NC 27012** and apply residuals on approved sites as provided by the Contractor.

Item #1A **Cost per Cubic Yard for Removal
And Application of Residuals** \$ _____

Item #1B **Cost of Lime per Dry Ton (if required)** \$ _____

~~The Contractor will be expected to begin work within ten (10) days after receipt of Notice to Proceed and all work completed without interruption within ninety (90) days.~~

The City intends to award a contract to the lowest responsive, responsible bidder based on the lump sum of Item 1A given above. Should all bids exceed the available funding, the City reserves the right to award a contract that is in its best interest, including the option to negotiate with the low bidder.

For Site Visitation Appointment contact Gabe Sparks (336) 766-9885. Technical questions concerning this work are also to be addressed to Mr. Sparks.

SPECIFICATIONS / REVISED

Safety

The Contractor is responsible for complying with all applicable OSHA standards during the entire project duration.

General Site Conditions

Each bidder will be responsible for having knowledge of the site conditions and submitting bids based on the conditions that exist at the site. A site inspection may be arranged by contacting the Neilson Water Plant Supervisor, Gabe Sparks, at (336) 766-9885.

Work Hours

~~Work hours for this project are limited to 7:00 a.m. to 4:00 p.m., Monday through Friday.~~ **Work hours for this project are limited to 7:00 a.m. to 5:00 p.m., Monday through Friday.**

Scheduling

It is anticipated that work could begin in early 2018. ~~The contractor will be expected to begin work within 30 days after receiving a Notice to Proceed, if necessary.~~ Work shall progress continuously with sufficient personnel to complete the work within 120 days of the start of residuals removal. Time extensions may be granted for unusually inclement weather but no change in price will be allowed.

Equipment

The Contractor will be responsible for furnishing and operating all necessary equipment. The equipment used will be left to the Contractor's discretion. The contractor will be responsible for any damage to the gravel, underdrain system, or any other facility or structure that is caused by their work.

Residuals Removal

The Contractor will be responsible for removing the residuals from the lagoon, hauling them to the application site and land applying as per the City of Winston-Salem's Land Application Permit #WQ0031314. The Contractor shall be responsible for removing and disposing of any vegetation that may have grown on top of the residuals in the lagoons prior to hauling. The residuals will be removed down to the top of the clay bottom being careful not to remove clay from the perimeter of the lagoon, bottom and side slopes. When all residuals removal is complete the lagoon reservoir floor and sides are to be graded smooth.

Residuals Consistency

It is anticipated the material should have a percent solids of approximately 20% or more. However, the owner cannot guarantee this condition.

Sediment Volume and Payment

It is estimated there is an average of 3.0 feet of sediment present totaling approximately 3,500-4,000 cubic yards in each lagoon. The low bidder will be determined by the lowest unit price per cubic yard for residuals land applied. A contracted licensed surveying company, hired by the City of Winston-Salem, will perform a grid topographical survey of the material prior to the Contractor beginning work and after the contractor has completed his work. The contractor will be paid the product of their submitted unit price in cubic yards multiplied by the volume as determined by the contracted licensed surveying company's measurements. Therefore, actual quantities may be higher or lower than estimated. The City of Winston-Salem shall hire a licensed survey company to perform this work and will be the sole basis for compensation under this contract.

those of any subcontractor, and shall be the main point of contact for the Project Manager and Neilson Plant staff.

- Be available for contact after working hours should it become necessary
- Coordinate all work and work schedules
- Supervise all field work
- Coordinate with property owners and the public
- Ensure that all work meets all Contract requirements.
- Maintain logs of residuals removed, hauled and land applied to each site on a daily basis.

Residuals Sampling and Reporting Deliverables

- ~~The Contractor shall maintain logs for each application site detailing the rate of application per site (PAN), maps with boundaries drawn showing disposal area for each site and sodium absorption rate (SAR)/exchangeable sodium percentage (ESP) for the residuals applied.~~
- ~~Collection and analysis of residuals to demonstrate that residuals are non-hazardous (i.e. TCLP, ignitability, reactivity, and corrosivity) as stipulated under permit Condition IV.2. **NOTE:** These samples are required once per permit cycle and were collected during residuals removal in March 2016, therefore they are not due again until 2021.~~
- ~~Collection, analysis and delivery of final report to owner of required metals and nutrient samples as stipulated under permit Condition IV.3 by a NC certified laboratory.~~
- ~~Collection and analysis of representative soil samples and application of lime when/as required by Land Application Permit #WQ0031314.~~
- ~~Adherence to monitoring frequencies based on dry tons as outlined in Condition 5. of permit Attachment A for metals and nutrients.~~
- ~~Obtaining signed Land Use Agreements by land owners/entities receiving residuals, City of Winston-Salem ORC, and representative from company land applying residuals for each parcel of land residuals are applied to.~~
- ~~Completion of the following reports necessary for annual reporting which must be delivered to the ORC no later than February 1 following the year in which residuals were applied to allow the ORC ample time to review and submit the annual report to the State of North Carolina.~~

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