

MEMORANDUM

TO: All Attendees

FROM: Bob Froneberger, P.E.

DATE: March 10, 2020

RE: **Pre-bid Meeting Minutes**
Killian Creek WWTP Phase 3 Upgrade
WKD # 20170294.00.CL

The following is a summary of items presented and general discussions of the non-mandatory Pre-bid Meeting for the Killian Creek Phase 3 Upgrade:

1. The meeting was initiated by Bob Froneberger with an introduction of Don Chamblee (Director of Public Works) and Tim Simmons (Operator in Charge) of Lincoln County and Dee Browder of NC Division of Water Quality. The attendance sign-in sheets reflecting those in attendance are attached.
2. Purpose: The purpose of the pre-bid meeting was to inform prospective Contractors and Subcontractors of the project scope, important information, and the SRF funding requirements for this contract.
3. Overview of Project Scope:
 - A. New influent headworks, Sequencing Batch Reactor System (SBR) flow splitter and related slide gates and electric actuators.
 - B. New SBR, Post Equalization, Aerobic Digester and Sludge Holding Tank System including concrete basin structure, blowers, jet aeration mixers, sludge transfer pumps, and related controls incorporating the existing SBR system into a four (4) SBR basin system.
 - C. Modifications to existing SBR system to include changeout of existing blower sheaves to increase blower speed and capacity, modifications to influent flow splitter/electrically actuated gates, addition of influent drop boxes and diffuser pipes in each SBR basin and modification to existing SBR control system to integrate controls into the new four (4) SBR basin control system.
 - D. New Effluent Filters Building with two (2) new effluent disk filters and three (3) relocated existing disk filters and related controls.
 - E. New effluent Ultraviolet (UV), dual channel disinfection system installed in existing effluent building with related controls and building modifications.
 - F. New waste activated sludge (WAS) sludge thickener and related sludge transfer pumps, polymer feed system, piping and controls.
 - G. Modifications to existing RTD sludge building to add a hot water tank and tepid eye wash.
 - H. New sludge pump station including sludge grinder, rotary lobe pumps and related transfer piping and controls.

- I. Modifications in existing sludge pump building to add hot water heater and tepid water mixing valve to supply existing safety shower/eye washes with tepid water.
 - J. New sludge dewatering building including two (2) new rotary sludge filter presses, polymer feed systems, sludge conveyors and related controls.
 - K. New caustic chemical feed pumps capable of caustic addition to the new SBR tanks and digesters.
 - L. New chemical feed system associated with phosphorus removal including storage tank, recirculation pump and chemical metering pumps and controls in a precast concrete building.
 - M. Related site grading, storm water drainage, erosion/sediment control, site piping and roads.
4. Review of Bid Form:
 - A. Bid Date: April 2, 2020 @ 2:00 PM
 - B. Location: 353 N. Generals Blvd., Executive Conference Room, Lincoln, NC 28092. Sealed Bids may also be mailed ahead of time to P.O. Box 738, Lincoln, NC 28093.
 - C. Bid: There will be only one construction contract.
 - D. Basis of Award will be made to lowest, responsible bidder after consideration of the Owner preferred equipment.
 5. Attachments to Bid (Page 6, Article 8 of Bid)
 - A. Bid Security;
 - B. Schedule A, Tabulation of Major Equipment Items and Products;
 - C. List of Subcontractors by Trade;
 - D. Qualifications Statement – EJCDC C-451;
 - E. Affidavit of Compliance with State E-Verify Status;
 - F. MBE/WBE (DBE) Good Faith Efforts Form (2 pages) (SRF Forms); and,
 - G. MBE/WBE (DBE) Table A (SRF Forms)
 6. Dee Browder of NCDWI briefly discussed the following required Clean Water State Revolving Fund (CWSRF) required submittal for the project that are included within Volume I of the Bid Documents:
 - A. MBE/WBE Recruitment and Selection (NCDWI)
 - B. American Iron and Steel Requirements (NCDWI); and,
 - C. SRF Special Conditions (NCDWI)
 7. Time of Completion (See Agreement, Article 4)
 - A. 510 calendar days for substantial completion and 540 calendar days for final completion.
 - B. Liquidated damages –
 - a. \$1,500/day from substantial completion date
 - b. \$750/day from final completion date
 - C. Delays in Contractor Progress Due to Inclement Weather – Refer to EJCDC C-800 Supplementary Conditions and EJCDC C-800 Engineer’s Supplementary Conditions, Article 4.05.
 - D. The current contract time of completion was briefly discussed with several contractors expressing concern over the time period and potential equipment delivery issues. WK Dickson is to further discuss this item with the Owner and if change is to be made, it will be addressed in Addendum 2.

8. Contractor's Use of Site and Premises
 - A. Site access for construction will be limited to normal WWTP operational hours (7:30 am to 4:30 pm) unless prior scheduled with Owner for specific events.
 - B. Work with renovations of existing facilities must be performed in manner that does not impact the existing WWTP treatment operations.
 - C. Any work requiring utility outage or shutdown shall be limited time and scheduled in advance with Owner.
 - D. The plant site area containing treatment operations must be secured during off hours. Temporary 6' chain link fence without the 3 strand barb wire with access gates for construction may be utilized with extensions to the existing fence and or structures to provide security.

9. Special Work Considerations
 - A. Reference – Section 01 10 00 – Special Considerations, 1.5 Work Sequence.
 - B. Erosion Control
 - a. Reference Section 00 31 00 –Available Project Information, Erosion Control Permit with related requirements for Self-Inspection and Monitoring.
 - b. Section 31 25 13 Erosion control & related Erosion Control Drawings C.11- C.17.
 - C. Coordination of Site blasting with Duke Energy
 - a. Reference Section 31 23 16.26 Rock Removal.
 - b. Duke Energy Combustion Turbine Station and other identified parties must be notified 72 hours in advance of site blasting activities.
 - D. Influent Flow Splitter Work
 - a. Work in this area will require provisions for dealing with the operation of two (2) force mains (12" and 20") with operation subject to pumping cycles at two (2) pump stations. Flow may be transferred directly to the adjacent operational headworks channel.
 - b. Addendum #1 will address the 12" force main not reflected on Drawing G.11 and G.12 as well as work required for the removal of existing weir plates, replacement of checkered plate with new grating over inactive chamber to be utilized for flow diversion to the new headworks and the removal of sand fill material from this chamber.
 - E. Modifications to Existing Headworks to Divert Flow to New SBR Flow Splitter
 - a. Performed after new headworks and SBR system are completed and ready for operation.
 - b. Flow diversion to SBR # 3 and #4 will permit associated piping connections to existing headworks effluent, SBR basins and plant pump station force main.
 - F. New Effluent Filter System
 - a. Must maintain 3 effluent filters in operation at all times.
 - b. Install 2 new effluent filters and keep at least 1 existing filter in operation until relocated filter is operational.
 - c. Replacement of existing 4' diameter MH with 5' diameter MH as noted on Drawings C.9 and G.38 will require maintaining flow from the filters to the UV system. This work may require by-pass pumping. It may also be possible to utilize short-termed storage in the SBR post equalization basin with close coordination with plant operations to provide a small window of time.
 - G. New SBR Basins
 - a. New SBR system must be operational before performing renovations to SBR #1 and #2.

- b. Hydrostatic Testing – Potable water or treated effluent may be used to fill the new tanks for water tightness testing. If potable water is used it shall be purchased at the Owners bulk rate in place at the time of withdraw. The current potable water bulk rate is \$8.90 / 1000 gallons with a maximum flow rate of 200 gpm. If treated effluent is used it must be pumped from downstream of the effluent flow monitoring weir.
 - c. Start-up of new SBR basins will require transfer of mixed liquor (biomass) from existing SBR's. This can be accomplished utilizing plant pump station, existing SBR basin drain with supervised flow control to establishment of operational MLSS in new SBR's and close coordination with plant operations. An alternative might be to utilize temporary pump(s) and piping for transfer.
- H. Related Permits (Reference Section 00 31 00 Available Project Information)
- a. Sediment and Erosion Control Plan – Note: Applicant is responsible for control of sediment on-site. If approved erosion and sedimentation control measures prove insufficient, additional steps must be taken to prevent sediment from leaving site.
 - b. Contractor responsible for completing Self-Inspection & Monitoring reports.
 - c. Contractors are advised to review Ground Stabilization Requirements schedule.
 - d. Authorization to Construct
 - e. The following Lincoln County Building Permits have been preliminarily reviewed and approved by Lincoln County but must be finalized to add Contractor's information and submitted. Permit fees have been waved by Lincoln County.
 - 1.) Effluent Filter Building
 - 2.) Sludge Dewatering Building
 - 3.) Rotary Drum Thickener Building
 - 4.) Blower Building
 - 5.) Chemical Feed Building

10. Bidder Q&A

- A. A question was asked regarding responsibility for sludge removal from existing SBR basins to permit the required influent piping modifications. This will be addressed in Addendum #2.

11. Final wrap-up

- A. Contractors were advised that additional site visits will be allowed if scheduled in advance with Mr. Tim Simmons (704-748-2314) and conducted prior to March 25th.
- B. It is requested that specific questions be submitted in writing to Angela Hall at ahall@wkdickson.com **no later than March 25, 2020** to permit response to all plan holders in the form of an Addendum.
- C. Any substitute or or-equals considerations must be received 15 days prior to bid, **no later than Wednesday, March 18, 2020.**

Enclosure: Pre-Bid Sign In Sheets



Pre-Bid Meeting Attendance List

Project: Killian Creek WWTP Ph 3 Upgrade-Construction

Project No.: #20170294.00.CL

Meeting Date: Tuesday, March 10 @ 2:00 P.M.

Location: Killian Creek Wastewater Treatment Plant, 7085 Old Plank Road, Stanley, NC

Name	Company	Telephone#	E-mail Address
1. ROY LINDLAND	F & R	(704) 369 4577	RLINDLAND @ F AND R. com
2. ERIC HAJDEREC	WHARTON-SMITH	407-321-8410	enestimating@whartonsmith.com
3. Rob Kelley	Premier Water	704 523 4048	rob@premier-water.com
4. GREG DILLS	LANE CONSTRUCTION	(770) 274-1520 (404) 695-6856	gdills@laneconstruct.com
5. Jon McGraw	Heyward	704-999-7467	jmcgraw@heyward.net
6. ANDREW JEROME	J. CUMBY CONSTRUCTION	931-526-5158	bids@jcumbyconstruction.com
7. JAMES BERGHOFF	ADAMS ROBINSON CONST.	937/274-5318	ADAMS ROBINSON, P. DOWNS & ADAMS ROBINSON, COM. CORP JBERGHOFF@ADAMSROBINSON.COM
8. Gene Darmer	Lake Electric	704-483-4000	edarmer@lakeelectric.com
9. Freda Hoernten	Lake Electric	704-483-4000	fhoernten@lakeelectric.com
10.			

Project: Killian Creek WWTP Ph 3 Upgrade Construction
 Project Number: #20170294.00.CL

Name	Company	Telephone#	E-mail Address
11. ASHLEY SNEAD	SHERWIN-WILLIAMS	336-558-3335	ASHLEY.B.SNEAD@SHERWIN.COM
12. Adam Lawrence	Harper General Contractors	864-710-1811	alawrence@harpergc.com
13. JACOB REID	CLEARWATER,	828-302-0011	jacob.reid@clearwaterinc.net
14. Finn Nielsen	Vand Solutions	9195345945	finn@vandsolutions.com
15. Eric LeDoux	Ruby-Collins, Inc.	678-977-6556	eledoux@ruby-collins.com
16. WAYMOND PARQUE	PC CONSTRUCTION	904-477-3135	wparque@pcconstruction.com
17. Greg Shirley	J. Cumby Construction	931 526 5158	gshirley@jcumbyconstruction.com
18. RYAN HAGER	WK DICKSON	828-327-6911	rwhager@wkdkickson.com
19. Bob Fromberger	"	704 451-7982	bfromberger@wkdkickson.com
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			

	Name	Company	Telephone#	E-mail Address
30.	DAVID HUTCHENS	DORSETT TECH, INC.	336 518 1300	DHUTCHENS@DORSETT-TECH.COM
31.	Tony Horton	Sunbelt Rentals INC.	980-215-7007	anthony.horton@sunbeltrentals.com
32.	BRIAN MANESS	MORGAN-CORP	864-386-2700	bmaness@morgan-corp.com
33.	MICHAEL FLORENCE	FROEHLING & ROBERTSON		mflorence@FandR.com
34.	Bill Cook	FORTILINE	980-721-0104	Bill.Cook@FORTILINE.COM
35.	JEREMY REGAN	KIEWIT	44.971.0264	JEREMY.REGAN@KIEWIT.COM
36.	Jason Baker	JACKSON ELECTRICAL	828-238-7218	jbaker@jacksonelect.com
37.	DOUG GWALTNEY	NIXON POWER	7044146022	dgwaltney@nixonpower.com
38.	Chris Henderson	LCPW	704-736-8495	chenderson@lincolncounty.org
39.	John Hawkins	LCPW	704 736-8495	jhawkins@lincolncounty.org
40.				
41.				
42.				
43.				
44.				
45.				
46.				
47.				
48.				