

AMENDMENT NO. 3
TO
AGREEMENT
BETWEEN
BOARD OF PUBLIC WORKS & SAFETY
WEST LAFAYETTE, INDIANA

AND
WESSLER ENGINEERING

FOR

CHEMICAL FEED FACILITIES FOR PHOSPHORUS REMOVAL

THIS AMENDMENT NO. 3 to existing AGREEMENT, entered into by and between the Board of Public Works & Safety, City of West Lafayette, Indiana (hereinafter named Owner) and Wessler Engineering, Inc. (hereinafter named Engineer) dated June 18, 2013:

WITNESSETH THAT

WHEREAS, the OWNER is currently in construction of the “2014 Wastewater Treatment Plant Improvements, Area 1 - Wet-Weather Facility Improvements and Area 2 – Phosphorus Removal – Phase 1” (Project); and

WHEREAS, the ENGINEER is providing Professional Services to the OWNER for Design, Bid Assistance, and Construction Phase services of the PROJECT, more particularly described in the Agreement; and

WHEREAS, the ENGINEER has expressed a willingness to continue providing Professional Services to the OWNER for SCADA System Programming for the PROJECT.

NOW THEREFORE, in consideration of the mutual promises herein contained, OWNER and ENGINEER hereto mutually covenant and agree as follows:

ARTICLE I - BASIC ENGINEERING SERVICES
SHALL BE AMENDED AS FOLLOWS:

ADD the following Article I.6:

6. SCADA System Programming

Engineer shall provide programming for the following:

- A. Existing Plant Effluent Sodium Hypochlorite System
 - 1. Modify existing 3D overview screen to reflect new style of pumps.

2. New control screen or pop-up window with added functionality for feed pacing based on flow and residual feedback and ability to bring second pump on automatically, and other functions determined in final control descriptions.
 3. Any code or alarms generated at the HMI for the tanks via RTU-6 will be removed and/or modified to work with new logic for this functionality in the new PLC-6.
- B. Existing Plant Effluent Sodium Bisulfite System
1. Modify existing 3D overview screen to reflect new style of pumps.
 2. New control screen or pop-up window with added functionality for feed pacing based on flow and residual feedback and ability to bring second pump on automatically, and other functions determined in final control descriptions.
 3. Any code or alarms generated at the HMI for the tanks via RTU-6 will be removed and/or modified to work with new logic for this functionality in the new PLC-6.
- C. New Chem-P System
1. New overview screen in 3D style similar to existing plant effluent chemical feed screens, displaying the tanks, three Chem-P Pumps, and the various feed points.
 2. New control screen or pop-up windows, similar to the existing WWF controls screen, with ability to run two pumps to two different feed points, ability to select destination, adjust pump speed controls, and other functionality as determined in the Control Descriptions.
 3. Programming for Tank Level information, filling station signals, and alarms.
- D. Wet Weather Facility (WWF) Modifications
1. Modify existing programming and screens to include additional functionality of the third sodium hypochlorite pump and ability for the pumps to feed two separate locations, similar to described above for the Chem-P Pumps in terms of operator selecting a destination and setting pump controls for each.
 2. Modify PLC programming and screens to include the ability to control the feed of sodium bisulfite to the Dewatering Pumps discharge back into the plant influent.
- E. Inputs Moved From RTU-7 to PLC-6
1. If these two analog inputs for Waste Sludge Tank level get moved over by Owner, accommodate them in PLC-6 and modify the iFix connections.
- F. Associated Tasks
1. Update historical file configuration for all new and modified points.
 2. Modify or develop new trend charts.
 3. Modify or develop new reports for the new Chem-P system.
- G. Summary of Tasks
1. Attend four (4) coordination and review meetings with the Owner.
 2. Generate and finalize detailed functional control descriptions, review with Owner.
 3. Develop PLC programming – New Chem-P system.
 4. Modify PLC programming – existing plant effluent chemical systems and WWF.
 5. Create new HMI graphics.
 6. Modify existing HMI graphics.
 7. Testing at Wessler Indianapolis office.
 8. On-site start-up and testing.
 9. Develop and execute test documents.
 10. Develop new historical files and trend charts.

- 11. Develop new and modify existing reports.
- 12. PLC/iFix changes for RTU-7 I/O.
- 13. PLC/iFix changes for WWF modifications.

H. Deliverables

- 1. Deliverables to the Owner upon completion shall include the following:
 - a. Executed testing document.
 - b. Backups of the iFix screens and database.
 - c. Backups of the PLC code.
 - d. Documentation of the Final Control Descriptions.

**ARTICLE III - COMPENSATION
SHALL BE AMENDED AS FOLLOWS:**

ADD the following to Paragraph 1:

Compensation for Engineering Services as described in “Article I.6 – SCADA System Programming” shall be on the basis of a Lump Sum Fee in the amount as follows:

<u>Service</u>	<u>Lump Sum Fee</u>
SCADA System Controls and Programming	\$ 62,000.00

**ARTICLE IV - SCHEDULE
SHALL BE AMENDED AS FOLLOWS:**

ADD the following Paragraph 2:

2. SCADA System Controls and Programming

The SCADA System Controls and Programming shall be installed and functional by the following dates for the portions of the Project listed:

- A. For Plant Effluent Disinfection System and Wet-Weather Facility – by March 27, 2015
- B. For the New Chem-P Process – upon Substantial Completion of Construction

All other terms and conditions contained in the Agreement shall remain unchanged and continue in full force and effect.

This Agreement Amendment may be executed in counterparts, each of which shall be deemed to be an original, and all such counterparts together shall constitute one and the same Agreement. A telecopied, electronic, or facsimile signature shall be equivalent to and as binding as an original signature.

IN WITNESS WHEREOF the parties have made and executed this AGREEMENT this ____ day of _____, 2015.

ENGINEER

WESSLER ENGINEERING, INC.



Martin A. Wessler, P.E.
CEO



Attest: _____
Gary L. Ruston, P.E.
Senior Project Manager

Date: January 15, 2015

OWNER

**BOARD OF PUBLIC WORKS & SAFETY
CITY OF WEST LAFAYETTE, INDIANA**

John R. Dennis, Mayor

Sana G. Booker, Member

Brooke E. Folkers, Member

Tanuja R. Sheth, Member

Jonathan C. Speaker, Member

Attest: _____
Judith C. Rhodes IAMC/CMC/CPFA
Clerk-Treasurer

ADDRESS FOR GIVING NOTICE:

Wessler Engineering
6219 S. East Street
Indianapolis, IN 46227

ADDRESS FOR GIVING NOTICE:

City of West Lafayette
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West Lafayette, Indiana 47906