

ADDENDUM NUMBER #1

<u>PROJECT</u>	<u>BIDS DUE</u>
Tuscarora Township - Wastewater Treatment Facility GFA Project No: 11354	Date: July 25, 2013 Time: 11:00 AM Location: Tuscarora Township 3546 S. Straits Hwy, Indian River, MI, 49749 and/or by mail at P.O. Box 220, Indian River, MI, 49749

The Addendum is issued prior to the receipt of bid proposals to amend the Contract Documents as follows. Bidders shall acknowledge receipt of this addendum by means of a handwritten note on the Bid Schedule.

GENERAL

1. Mandatory Pre-Bid Meeting Attendance (Attached)
2. THIS PROJECT IS NOT PREVAILING WAGE NOR TAX EXEMPT.
3. The contractor is still responsible to obtain/ coordinate the building, mechanical, plumbing, and electrical permits, inspections and associated fees as required by the Township, County or State.
4. Aero Mod Treatment tankage shall be cast-in-place construction.
5. Westech is an acceptable manufacturer for the spiral fine screen.
6. Generac is an acceptable gen set/ats manufacturer.
7. Attached is Aero Mod's "Estimated Contractor Supplied Parts Fittings" List. This is strictly for the PVC pipe & fittings associated with the Aero Mod equipment within the treatment tank area. Please use for reference and contact Aero Mod with any questions or for clarifications.

PRE-BID MEETING QUESTIONS AND/OR CLARIFICATIONS

8. All contractors shall include an allowance for electrical service to the WWTF site and offsite Type II well/wellhouse. Allowance shall be for primary service to transformer, transformer, secondary feed to meter and meter. Allowance amount shall be \$20,000. Contractor to supply receipts for electric service work from utility to Engineer for reimbursement of exact amount spent.

9. Contractor will be allowed to balance earthwork on the WWTF parcel. Waste area will be as directed by Engineer and will require removal of topsoil, filling, grading, re-topsoiling, seeding and mulching to all areas used for excess dirt.
10. Grading limits around treatment facility shall be stabilized with topsoil and seeded per Note #5 on Drawing Sheet 4.
11. Rough grade area north of rapid infiltration basins and the basins themselves shall follow Detail 5 on Drawing Sheet 4.
12. Contractor will be able to burn debris/tree/shrubs on site. The Contractor is required to obtain any/all necessary permits for burning.
13. Water main shall be 6" C900. Water main from wellhouse shall be 3" HDPE 160 PSI rated NSF PW.
14. Sanitary force main shall be SDR 21.
15. Concrete tanks are not to be coated.
16. See Drawing Sheet S0 for Special Inspections related to concrete.
17. Water required for Tank Leak Test will be provided by Owner (Offsite Type II Well can be used as water source with backflow prevention device & metering device, used and supplied by Contractor).
18. Survey work will be provided by Owner.

SPECIFICATIONS

19. Section 02821-3, subsection 2.2 A – 5.a) or 5.b). The fence shall be galvanized.
20. Instructions to Bidders (Attachment F), Article 14: Remove and replace Section 14.01 with the following:

14.01 Lump Sum

- A. Bidders shall submit a Bid on lump sum basis as set forth in the Bid Form.
- ~~B. Bidders shall submit a Bid on a lump sum basis for the Bid and include a separate price for each alternate described in the Bidding Documents as provided for in the Bid Form. The price for each alternate will be the amount added to the Bid if OWNER selects the alternate. In the comparison of Bids, alternates will be applied in the same order as listed in the Bid Form.~~

14.01 Unit Price

- ~~A. Bidders shall submit a Bid on a unit price basis for each item of Work listed in the Bid schedule.~~
- ~~B. The total of all bid prices will be the sum of the products of the estimated quantity of each item and the corresponding unit price. The final quantities and Contract Price will be determined in accordance with paragraph 11.03 of the General Conditions.~~
- ~~C. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.~~

DRAWINGS

21. Mechanical Items:

Drawing M2.1 (Not Reissued): Revise the following Items in the Equipment List to the Following.

AHU-1: Medium Static Concealed Spit System Air Conditioner/Heat Pump, Mitsubishi P-Series Model PEAD-A24AA4 Indoor Unit, 600 CFM Total, 200 CFM OA, Cooling (EAT 78.1F DB/66.2F WB, LAT 56F DB/55.8F WB), 1.9 Total Tons, 15.2 MBH Sens, 7.5 MBH Latent), 54,000 BTUH Heating Indoor Unit (At 43F Min OA Temp) 340Watt, 2.08 Amp, 208V/60/1, Provide FBM2-3 Filter Mixing Box, Auxiliary Electric Heat Controls for Modulating SCR Duct Heater, Wall Thermostat with Heat/Cool/Auto Setting. Extend Condensate Drain to the exterior of the building.

CU-1: Outdoor Unit PUZ-A244NHA4 Outdoor Unit to match Indoor Unit., 208V/60/1 Phase, 18 MCA (208), 30A MOCP, Low Ambient Control to -20F, Crankcase heater, Service Port Adapter and Dual Insulated Line Set.

DH-1: Duct Heater, Electric: Marley Model FF Finned Tubular Duct Heater, 2.0kW Output, complete with SCR Controls, 24Volt Transformer, Air Flow Switch, High Limit Duct Thermostat. 480Volt/3 Phase/60 Hz.

22. Drawing PM 1.2: Screen inlet level controller shall be float switch controlled.

23. Drawing E3.1: Clarification - Electrical service for wellhouse and well that is to be provided, shall be a new service. Contractor shall be responsible for coordination and all fees incurred with utility company.

This Addendum No. 1 becomes part of the Contract Documents as of this date and supersedes the information in the originally issued Contract Documents, where applicable. The Contractor shall acknowledge receipt of the Addendum in the Bid Form (Attachment G) included with his/her bid.

Estimated Contractor Supplied Parts Fittings

PROJECT: TUSCARORA TWP, MI. WWTP

DATE: 7/11/2013

This list approximates PVC pipe and fittings, Expansion Joints and Stainless Steel Repair Clamps to be supplied by the General Contractor necessary for installation of the Aero-Mod equipment. **This list is not intended to be used for ordering.** and should be used only for comparison to the General Contractor's estimate. This list is an approximation and is intended as a reference for bidding purposes only. Aero-Mod, Inc. is in no way responsible for errors or omissions of necessary items. **It is the responsibility of the General Contractor to verify the accuracy of this list** with the Contract Plans, Specifications and Approved Submittals prior to ordering. Also note that items other than those listed on these sheets may be necessary for the General Contractor to supply.

NOTE:

- a) Unless otherwise noted, the plumbing fittings are to be PVC SCH 40 pressure rated, conforming to ASTM D 2466. Due to their size and shape, DWV fittings are not suitable. Spears plastic fitting part numbers are provided for reference.
- b) **Installation of expansion joints are required at 40' intervals on 6" dia. and larger straight PVC piping runs over 40'.** Flanged Expansion Joints are to be HOLZ series 320EZ with SS Flange Rings and Hardware, or equal. Slip-on Sleeve Type Expansion Joints are to be PROCO SERIES 450 Sleeve Type Expansion Joints, or equal with 3/4" wide 316 SS T-Bolt Clamps and Hardware, DIXON #STBCL or equal.
- c) Stainless Steel Repair Clamps are to be Cascade style CR1, or equal.
- d) Pneumatic Conduit fittings are CARLON Electric PVC numbers

PARTS LISTING PER TANK		
QTY.	PART #	DESCRIPTION
FERMENTER TANK		
3	#UB9AJ	PVC CONDUIT 90 DEG SWEEP, 2"
6	#429-020	PVC COUPLING, 2"
15		0 PVC SCH 40 PIPE, 2"
5		0 PVC SCH 40 PIPE, 4"
1	#447-020	PVC SLIP CAP, 2"
1	#447-040	PVC SLIP CAP, 4"
3	#E986J	PVC TYPE-LB CONDUIT LB, 2"

Estimated Contractor Supplied Parts Fittings

	ANAEROBIC SELECTOR TANK
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2	0 8" EPDM FLANGE GASKET
2 #853-080	PVC BLIND FLANGE, 8"
2 #854P-080	PVC FLANGE x SLIP, 8"
10	0 PVC SCH 40 PIPE, 4"

	1ST STAGE AERATION TANK A
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1	0 8" EPDM FLANGE GASKET
1 #406-010	PVC 90 DEG. ELL, 1"
2 #406-040	PVC 90 DEG. ELL, 4"
1 #853-080	PVC BLIND FLANGE, 8"
2 #UB9AJ	PVC CONDUIT 90 DEG SWEEP, 2"
4 #429-020	PVC COUPLING, 2"
1 #429-040	PVC COUPLING, 4"
1 #854P-080	PVC FLANGE x SLIP, 8"
5	0 PVC SCH 40 PIPE, 1"
40	0 PVC SCH 40 PIPE, 2"
55	0 PVC SCH 40 PIPE, 4"
1 #401-040	PVC SCH 40 TEE, 4"
2 #447-020	PVC SLIP CAP, 2"
1 #447-040	PVC SLIP CAP, 4"
2 #E983J	PVC TYPE-T CONDUIT TEE, 2"

	1ST STAGE AERATION TANK B
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1	0 8" EPDM FLANGE GASKET
1 #406-010	PVC 90 DEG. ELL, 1"
1 #406-040	PVC 90 DEG. ELL, 4"
1 #853-080	PVC BLIND FLANGE, 8"
1 #854P-080	PVC FLANGE x SLIP, 8"
5	0 PVC SCH 40 PIPE, 1"
15	0 PVC SCH 40 PIPE, 2"
20	0 PVC SCH 40 PIPE, 4"
1 #447-040	PVC SLIP CAP, 4"

	2ND STAGE AERATION TANK A
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4	0 4" EPDM FLANGE GASKET
2 #417-020	PVC 45 DEG. ELL, 2"
1 #417-080	PVC 45 DEG. ELL, 8"
10 #406-040	PVC 90 DEG. ELL, 4"
3 #406-080	PVC 90 DEG. ELL, 8"
3 #UB9AJ	PVC CONDUIT 90 DEG SWEEP, 2"
8 #429-020	PVC COUPLING, 2"
3 #429-040	PVC COUPLING, 4"
4 #854P-040	PVC FLANGE x SLIP, 4"
25	0 PVC SCH 40 PIPE, 1-1/2"
70	0 PVC SCH 40 PIPE, 2"
130	0 PVC SCH 40 PIPE, 4"
30	0 PVC SCH 40 PIPE, 8"
1 #447-020	PVC SLIP CAP, 2"
1 #447-040	PVC SLIP CAP, 4"
4 #E986J	PVC TYPE-LB CONDUIT LB, 2"
1 #E983J	PVC TYPE-T CONDUIT TEE, 2"

Estimated Contractor Supplied Parts Fittings

2ND STAGE AERATION TANK B	
4	0 4" EPDM FLANGE GASKET
2 #417-020	PVC 45 DEG. ELL, 2"
1 #417-080	PVC 45 DEG. ELL, 8"
9 #406-040	PVC 90 DEG. ELL, 4"
3 #406-080	PVC 90 DEG. ELL, 8"
4 #UB9AJ	PVC CONDUIT 90 DEG SWEEP, 2"
9 #429-020	PVC COUPLING, 2"
2 #429-040	PVC COUPLING, 4"
4 #854P-040	PVC FLANGE x SLIP, 4"
25	0 PVC SCH 40 PIPE, 1-1/2"
50	0 PVC SCH 40 PIPE, 2"
130	0 PVC SCH 40 PIPE, 4"
30	0 PVC SCH 40 PIPE, 8"
1 #447-020	PVC SLIP CAP, 2"
2 #447-040	PVC SLIP CAP, 4"
3 #E986J	PVC TYPE-LB CONDUIT LB, 2"

CLARIFIER A	
10	0 PVC SCH 40 PIPE, 8"
1 #401-080	PVC SCH 40 TEE, 8"

CLARIFIER B	
10	0 PVC SCH 40 PIPE, 8"
1 #401-080	PVC SCH 40 TEE, 8"

DIGESTER TANK A	
2 #406-010	PVC 90 DEG. ELL, 1"
1 #406-040	PVC 90 DEG. ELL, 4"
2 #UB9AJ	PVC CONDUIT 90 DEG SWEEP, 2"
4 #429-020	PVC COUPLING, 2"
1 #429-040	PVC COUPLING, 4"
10	0 PVC SCH 40 PIPE, 1"
15	0 PVC SCH 40 PIPE, 1-1/2"
20	0 PVC SCH 40 PIPE, 2"
35	0 PVC SCH 40 PIPE, 4"
1 #401-040	PVC SCH 40 TEE, 4"
1 #447-020	PVC SLIP CAP, 2"
2 #447-040	PVC SLIP CAP, 4"
1 #E986J	PVC TYPE-LB CONDUIT LB, 2"
1 #E983J	PVC TYPE-T CONDUIT TEE, 2"

Estimated Contractor Supplied Parts Fittings

DIGESTER TANK B		
2	#406-010	PVC 90 DEG. ELL, 1"
1	#406-040	PVC 90 DEG. ELL, 4"
1	#429-040	PVC COUPLING, 4"
5		0 PVC SCH 40 PIPE, 1"
15		0 PVC SCH 40 PIPE, 1-1/2"
25		0 PVC SCH 40 PIPE, 4"
1	#447-020	PVC SLIP CAP, 2"
1	#447-040	PVC SLIP CAP, 4"

SLUDGE HOLDING TANK		
1	#406-060	PVC 90 DEG. ELL, 6"
1	#854P-060	PVC FLANGE x SLIP, 6"
15		0 PVC SCH 40 PIPE, 6"

PRE-BID MEETING ATTENDANCE RECORD
Tuscarora Township - Wastewater Treatment Facility
Tuesday July 16, 2013 11:00 AM Page 1 of 4

NAME	REPRESENTING	ADDRESS	TELEPHONE/FAX	E-MAIL ADDRESS
DAN LAFLECHE	TEAM ELMERS	704 EAST PROGRESS HILLMAN MI 49746	989-742-4531 4802 FX	DLAFLECHE@TEAMELMERS.COM
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JASON BANCROFT	CC Electric	3850 Beebe Rd Kalkaska	231-534-2051	Jasonb@CCPWR.com

PRE-BID MEETING ATTENDANCE RECORD
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NAME	REPRESENTING	ADDRESS	TELEPHONE/FAX	E-MAIL ADDRESS
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