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RFI AND CORRECTIVE ACTIONS LOG

REPORT DATE: 09/15/09

REQUESTS FOR INFORMATION			Response				RFI Status
No.	Description	Date	Party	Date Required	Open/Closed	Date Complete	Comments
1	Manhole #1 & #2	8/23/2007	Spicer Group	8/30/2007	Closed	8/30/2007	48" diameter manholes w/o boots
2	Manhole #10	8/23/2007	Spicer Group	8/30/2007	Closed	8/30/2007	Change to following MH#10 - 15" / CB#11 - 15"
3	Density current baffles in clarifiers	9/6/2007	Spicer Group	9/12/2007	Closed	9/12/2007	The proposed relocation of the density baffles is acceptable
4	Oxidation Ditch Foundation	9/7/2007	Spicer Group	9/14/2007	Closed	9/14/2007	No - this does not provide adequate allowances for crack control or shrinkage
5	Concrete Walls	9/7/2007	Spicer Group	9/14/2007	Closed	9/14/2007	The walls may be poured in 1 pour in lieu of the 2 shown provided the formwork is capable of withstanding the pressure present and adequate equipment capacity is provided
6	Construction Joints	9/7/2007	Spicer Group	9/14/2007	Closed	9/14/2007	Please see comments regarding pour sequence for the oxidation ditch on sheet No. 4 and 5 from Form Tech Concrete Forms, Inc. Construction joint locations are acceptable
7	Electric Motor Operated Valves	9/10/2007	Spicer Group	9/17/2007	Closed	9/17/2007	Spoke with Bill Hunter 9/12/2007 to resolve questions
8	Radial Bar Arrangement	9/27/2007	Spicer Group	10/4/2007	Closed	10/4/2007	Design plans require radial reinforcing bars in the slab of the clarifier to be at a spacing of 6" center to center. See file for full RFI response.
9	Clear well Pond Concrete Trough	10/10/2007	Spicer Group	10/17/2007	Closed		Proceed under T/M to remove concrete. See attached Sketch profile
10	Reinforcing Steel and dowels from bottom mat	10/10/2007	Spicer Group	10/17/2007	Closed	10/16/2007	Addn#1 Hem 18 addresses mat steel. Dowels at mat/wall match wall steel @ #7@6"EF.
11	D.O. Probes elevations and mounting	12/17/2007	Spicer Group	12/21/2007	Closed	12/18/2007	D.O. Probes mounted on end of handrails @ Gate Platforms
12	Conduit routing to Turbines & Clarifiers	12/17/2007	Spicer Group	12/21/2007	Closed	12/18/2007	Conduit to be routed along West side of ditch, Leave RAS Underground to Cat-Walk, then up clarifier to Cat-Walk.
13	Detailing of conduit destinations	12/17/2007	Spicer Group	12/21/2007	Closed	12/18/2007	Every conduit final destination is different, most entering building or control panels.
14	Effluent Metering Manhole - Flanged eccentric reducers or concentric mj reducers?	12/7/2007	Spicer Group	12/21/2007	Closed	12/18/2007	Can use the concentric reducer with elevations 582.51
15	Ferric Chloride Meter Pump Control Signal	12/10/2007	Spicer Group	12/21/2007	Closed	12/18/2007	2 Ferric Chloride Pumps that are wired together, A main pump & a backup pump. Pumps operate off one 4-20 ma signal from RTU-2.
16	Location for Mag Meter MFM-03 located in MH-5	12/17/2007	Spicer Group	12/21/2007	Closed	12/18/2007	Transmitter will be located in RTU-1 inside Administration Bldg. Cable length determined in the field.
17	Ranges for Mag Meters MFM-01 & MFM-02	12/17/2007	Spicer Group	12/21/2007	Closed	12/18/2007	MFM-01 Flow Range = 0-3.5MGD, MFM-02 Flow Range = 0-6.5MGD
18	120V Power Source for RTU-1	12/17/2007	Spicer Group	12/21/2007	Closed	12/18/2007	120 Volt power for RTU-1 comes from 208/120V panel ADM1 circuit #9 located in electrical room.
19	Cable length for Dissolved Oxygen Analyzers	12/17/2007	Spicer Group	12/21/2007	Closed	12/18/2007	Cable length as req'd for mounting location as revised in RFI#11.
20	Screening Conveyor Information	1/2/2008	Spicer Group	1/11/2008	Closed	1/11/2008	A stainless steel chute will be provided as discussed with Duper on. Spray wash should be at front
21	Water Stop Material & Amoco Stay Forms	1/2/2008	Spicer Group	1/11/2008	Closed	1/11/2008	Acceptable

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22	VOID				Closed		
23	Aluminum Hand Pull Gates	1/19/2008	Spicer Group		Closed	1/24/2008	Aluminum Hand Pull Gates shall have Frames that are embedded.
24	C8 x 21.57 Stainless Steel Channel	1/19/2008	Spicer Group		Closed	1/24/2008	The C8 x 18.8 Dim's are correct.
25	Gear motor Model Number & Disconnect Switch	1/30/2008	Spicer Group	2/6/2008	Closed	2/12/2008	#1 motor shown on csw251-101 #2 Square D
26	Ferric Chloride Metering Pumps	1/30/2008	Spicer Group	2/6/2008	Closed	2/20/2008	The pump submitted will work
27	Disconnect Requirements for Exhaust Fans	1/30/2008	Spicer Group	2/6/2008	Closed	2/12/2008	be eqpt'd with disc.; Fume canopy blower EF-02 to be wired per mfr recomm. & NEC 2005.
28	Fuel Tank Size	1/30/2008	Spicer Group	2/6/2008	Closed	2/5/2008	Provide the largest tank that does not require DEQ plan review & insp. Intent is to give Owner longest run time w/o having to refuel. Provide credit for smaller tank.
29	Ground Mat Requirements	1/30/2008	Spicer Group	2/6/2008	Closed	2/12/2008	Grounding per section 16170
30	ATS Service rated Switch	1/30/2008	Spicer Group	2/6/2008	Closed	2/12/2008	The ATS do not need to be service rated per addendum #3 ignore this commit.
31	Effluent Channel (Slab Dowels)	1/31/2008	Spicer Group	2/6/2008	Closed	2/4/2008	OK to Drill & Epoxy the Slab Dowels in place. (in the case 9")
32	Weirrs and Baffles thickness request	3/5/2008	Spicer Group	3/12/2008	Closed	3/11/2008	No issue with 3/8" thickness/ no issue with 3" V-notch
33	Wall Dowels and Slab Dowels	3/10/2008	Spicer Group	ASAP	Closed	3/13/2008	Not Acceptable Options are to cast-in-place or utilize threaded inserts or dowel strip.
34	Utility Sink Specification	3/24/2008	Spicer Group	3/26/2008	Closed	3/25/2008	Use Single Basin Sink originally submitted for approval but inadvertently rejected.
35	Gas Piping to Lab Room & Inland Table	3/27/2008	Spicer Group	4/1/2008	Closed	4/4/2008	Sht A-7 Shows gas piping in pipe chase in inland tables and around the room in the lab.
36	Bal Clair Force Main Location	4/1/2008	Spicer Group	4/4/2008	Closed		Open cut, and remove and replace the existing concrete to locate the main in an acceptable location.
37	New & Existing Transformer Questions	4/3/2008	Spicer Group	4/7/2008	Closed	4/14/2008	Install new transformer as shown and feed new service from new t'former. Use conduit and wire that will allow feed to remain once new building is installed.
38	Generator Pad Size	4/3/2008	Spicer Group	4/7/2008	Closed	4/4/2008	Per the Dwg's, Spicer calls the pad to be 16' x 9'. See Architect's Comments 4-4-08.
39	Transformer Pad Size	4/3/2008	Spicer Group	4/7/2008	Closed	4/4/2008	Pad shall follow the standards shown for the Generator Pad. See Architect's Comments 4-4-08
40	Elect. Cable/Wiring Rout Through Duct bank Conduits	4/4/2008	Spicer Group	4/9/2008	Closed	4/14/2008	Spicer to meet with Electrical Contractor to review.
41	Existing Electrical Duct Bank Interference	4/11/2008	Spicer Group	4/15/2008	Closed	4/14/2008	Elect contr will contact DTE and follow directions on RFI #37
42	Precast Structures	4/11/2008	Spicer Group	4/15/2008	Closed	4/11/2008	There is no Spec Section. Meet ASTM C789.
43	Water & Gas Piping	4/18/2008	Spicer Group	4/22/2008	Closed	4/25/2008	Waterline after Digester Bldg demo'd, 1'1/2" gas line from outside to furnace & WH, 3/4" upline of WH, 1/2" around perimeter of Lab, Admin Bldg uses 440,000 btu-meter sized by utility co.
44	Water Lines and Trash rack Bldg.	5/13/2008	Spicer Group	5/15/2008	Closed	5/15/2008	Sec. 2 of sht 18 refers to pipe penetr. detail on sheet 32. Non potable is being converted t potable, see attached older plans illustrating water lines.
45	Windows	5/22/2008	Spicer Group	5/27/2008	Closed	5/22/2008	They are Aluminum per 8520 Spec. Section
46	Gas Piping	5/22/2008	Spicer Group	5/27/2008	Closed	5/30/2008	Plans revised. See Sketch. SEMCO to run lines from main and hook-up to meters. Contractor to run lines from lp side of meter.
47	Headworks Windows	6/5/2008	Spicer Group	6/6/2008	Closed	6/6/2008	All windows on project are to be aluminum. Use any thickness glass as long as it is safety glass.

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48	Bulletin #4	6/24/2008	Spicer Group	6/27/2008	Closed	6/25/2008	I think that Duperon is misunderstanding the change. The screen is not moving location, the floor is moving down in relation to the screen. The screen is not changing in incline either. The floor is being extended to the 2'4" dimension to reach the contact point of the screen. There is no affect on the slide gates.
49	Bulletin #4 - Hydrant Extension	6/24/2008	Spicer Group	6/27/2008	Closed	6/26/2008	Existing Hydrant as manufacturer by Traverse City
50	Ferric Chloride Chem Pumps	7/14/2008	Spicer Group	7/17/2008	Closed	8/6/2008	You may omit the "Flows" display on the HMI, however, we still require the "On/Off" and "Alarm" status to be displayed. From each ferric chloride chemical pump, a dry contact pulsed output needs to be wired to the RTU-2 Headwork's Building. Pump 1(I:3/04) and Pump 2(I:3/05.) The pulsed input is to be used for the running status and to determine pump fault. If the PLC does not receive the pulse signal within an adjustable time delay set at five (5) minutes, a pump failure alarm must be triggered. Text indication on the HMI screen verifying that the pump is OFF/RUNNING/FAULTED must be provided.
51	Bulletin #4 - Doublejack Questions	7/14/2008	Spicer Group	7/17/2008		7/17/2008	These questions will be addressed in a separate bulletin.
52	Elevation of Fixtures on Light Poles	7/18/2008	Spicer Group	7/22/2008	Closed	7/18/2008	Pole Hts are 25' the Floor Lights can be mounted at 20'.
53	Signage	7/18/2008	Spicer Group	7/18/2008	Closed	7/18/2008	There are no cast building letters for this project
54	Bulletin #4 - Administration Bldg Concrete Steps	8/5/2008	Spicer Group	8/6/2008	Closed	8/6/2008	Sketch Provided
55	Clarification regarding HVAC system duct and diffuser sizing	8/4/2008	Spicer Group	8/6/2008	Closed	8/6/2008	See attached drawing showing revised HVAC layout
56	1. What will control the start/stop and alternation of the FeCl3 Chem Pumps? 2. No contact output available on Chem Pumps. Pls advise.	9/17/2008	Spicer Group	9/22/2008	Closed	9/22/2008	
57	1) We will need a book of available IP addresses from the IT manager for the city. This is to prevent any overlap of addresses of the existing equipment. Please Advise	9/19/2008	Spicer Group	9/26/2008	Closed	11/11/2008	See attached IP addresses as provided by Central Solutions
58	1) Please provide a copy of the HMI screens for the remote pump stations so they can be added to the server for viewing on the SCADA system. 2) Please provide a complete list of I/P addresses for all remote equipment that is to be viewed by the SCADA system. This includes lift station PLC's and Computers, radios, etc.	9/19/2008	Spicer Group	9/26/2008	Closed	11/11/2008	1. All the information needed for the HMI Screens is in the O&M Manuals provided by Pamar from Dubois-Cooper for the Gorman-Rupp Remote Light Stations. 2. See attached IP Addresses.
59	D.I.P. pipe runs into RAS building and connects to 8"X8"X6" reducing tee then to the pumps. We can not isolate clarifier #1 from clarifier #2 as piped now. We need to add two valves to isolate each clarifier. Please Advise.	10/13/2008	Spicer Group	10/15/2008	Open		
60	Provide Info on control of PLC input for grinder pump, Air Lift Pump in Vortex Grit Tank per attached RFI's from Aggressive	3/17/2009	Spicer Group	3/17/2009	Closed	3/23/2009	See Architects Response dated 3-23-09.
61	Programmable Curve required to control turbines - DoubleJack RFI#10	3/23/2009	Spicer Group	3/27/2009	Closed	3/23/2009	Arch doesn't have this curve, contact manufacturer - Eimco.
62	Clarify RAS Pumps speed in proportion to influent flow	3/23/2009	Spicer Group	3/27/2009	Open	3/23/2009	Pumps should be able to produce 75% - 150% of the influent flow.
63	RFI by J.F. Cavanaugh re: Water Lines after 6" Backflow Preventer	5/11/2009	Spicer Group	5/15/2009	Closed	5/14/2009	System will become potable and will required disinfection and testing.
64	Grout at Hollowcore Slab Joints	6/10/2009	Spicer Group	ASAP	Closed	6/17/2009	Non-Shrink Grout not required (also Ref. RFI#9 on #80701)
65	Seawall Tie-Backs @ Bal Clair Pump Station	6/17/2009	Spicer Group	6/19/2009	Closed	6/18/2009	One Location where Tie-Back needs to be replaced - damaged during exploratory excavation
66	E.Q Basin & Weir Structure Grades per Bulletin #7	6/18/2009	Spicer Group	6/24/2009	Closed	6/23/2009	Rotate the PRV in line with the 8" drain line 1' to the North.

