

Date: 08/07/2023 Time: 9:00AM Place: WS Jobsite Trailer Microsoft Teams

<u>Name:</u>	Company:	Email:	In Attendance?
Travis Cassella: Project Manager	WSI	tcassella@whartonsmith.com	√⊘
Jeff Rocek: Project Superintendent	WSI	jrocek@whartonsmith.com	
Jose Romero: Project Engineer	WSI	jromero@whartonsmith.com	√⊘
Hayden Wilhelm: PE Tech	WSI	hwilhem@whartonsmith.com	
Sloan Hagerty: Senior PM	WSI	shagerty@whartonsmith.com	√⊘
Stacy Cowart	Columbia County	scowart@columbiacountyfla.com	√⊘
Ken Sweet	Columbia County	ksweet@columbiacountyfla.com	√⊘
Mike Null	Columbia County	bccpurchasing@columbiacountyfla.com	√⊘
Erica Jones	Columbia County	ejones@columbiacountyfla.com	√⊘
Daniel Inkell	Jones Edmunds	dinkell@jonesedmunds.com	√⊘
Joey Duncan	Dewberry	Jduncan@dewberry.com	√⊘
Jose Pereira	Dewberry	jpereira@dewberry.com	
Harlan Wiggins	Dewberry	hwiggins@dewberry.com	√⊘
Amy Tracy	Dewberry	atracy@dewberry.com	

1.0 - SAFETY

**1.1** • No accidents, no incidents.

- Changing weather conditions.
- Overhead awareness around crane at CCT.

# 2.0 - PERMITS AND CONTRACT

- **2.1** Building Permit:
  - Building permit was issued 6/22/2023
  - Permit #: 47527
  - Potable water and force main tapping applications Not approved CC to purchase water and force mains.
  - GMP-3 Status Board review last week of July. Approved. Formal contract amendment sent 7/31/2023.
  - Deductive Change Order Status Approved.

# **3.0 - REVIEW OF WORK IN PROGRESS**

3.1	•	Management:		
			0	Continued work on procurement, submittals, and RFIs.
3.2	•	Field:		
			0	Wharton-Smith worked on:

- F/R/P CCT effluent slab
- Formed and reinforced walls for first lift
- Installed gravity sewer structures and piping.
- Installed 20" HDPE into Reject Pond.
- o Cogburn

Т

- Completed FPL Conduit run from Hwy90 to XFMR
- Installed communications conduits from Hwy90 to plant.
- Tim-Prep worked on:
  - Continued excavation of stormwater pond
  - Constructing site road
  - Continued building reject pond.
  - Built-up BNR & XFMR pads.

## 4.0 - UPCOMING WORK

٠	Manag	gement:
		<ul> <li>GMP-3 procurement, submittals, and RFI's.</li> </ul>
٠	Field:	
		o Wharton-Smith
		<ul> <li>Pour CCT effluent walls (1<sup>st</sup> lift)</li> </ul>
		<ul> <li>Plug/Patch/Leak Test/Backfill CCT walls</li> </ul>
		<ul> <li>Continue gravity sewer pipe install</li> </ul>
		o Tim-Prep
		<ul> <li>Finish building up plant loop road and installing rock</li> </ul>
		<ul> <li>Dig stormwater pond deeper to generate more fill.</li> </ul>
		<ul> <li>Finish building Reject Pond</li> </ul>
		o Cogburn
		<ul> <li>Finish telecommunication conduits</li> </ul>
		<ul> <li>Begin In/Under rough in of electrical building (pending layout confirmation RFI)</li> </ul>
		<ul> <li>CCT In/Under</li> </ul>
		<ul> <li>Comanco (Mobilizing first week of September)</li> </ul>
		<ul> <li>Install reject pond liner</li> </ul>
		<ul> <li>GeoTek (Mobilizing 9/5)</li> </ul>
		<ul> <li>Ground Improvement/Rigid Inclusions</li> </ul>
		o FPL
		<ul> <li>Transformer to be set and energized 9/25/2023</li> </ul>

# 5.0 - SUBMITTALS, RFI, COORDINATION

5.1	<ul> <li><u>Submittals</u> <ul> <li>High Priority</li> <li>Ground Improvements – Rigid Inclusions</li> <li>See attached submittal log.</li> </ul> </li> </ul>
5.2	<ul> <li><u>RFIs</u> <ul> <li>44 RFI's submitted to date, 3 open/Unresolved RFI's</li> <li>1. RFI#015 - Spray Field Monitoring Wells</li> <li>2. RFI#043 - EQ Pump Motor Service Factor</li> <li>3. RFI#044 - Electrical Building Coordinates</li> <li>See attached Open RFI Log.</li> </ul> </li> </ul>
5.3	<ul> <li><u>Coordination Items</u></li> <li>BNR Slab Updated Drawings: Draft design was provided, waiting on updated drawings. WS is moving forward with the draft and has had rebar drawings updated which will be submitted for review this week.</li> </ul>

- **Electrical/IC Coordination:** Wharton-Smith has requested a set of Design Clarification drawings which detail changes to Electrical and Instrumentation. These changes include reducing from two PLC's to a single and utilizing fiber/ethernet communications in lieu of hardwired.

**Evoqua BNR Layout Coordination:** Last week a coordination meeting has been conducted to resolve layout concerns. The BNR platform will need to be modified to remove cross braces under the platform to allow for access from the site road to the West side of the tanks. Additionally – the stairway is being redesigned with a switchback to resolve the conflict with the 75hp blower. Evoqua has advised that these changes will have a cost impact. Associated costs will be submitted for approval as a Contingency/Allowance Usage Order (CAUO).

# 6.0 - CONTINGENCY/ALLOWANCE USAGE ORDERS (CAUO)

6.1	٠	CAUO's to	be submitted for approval - funded from contingency.
		0	Thickened BNR Slab
		0	CCT Drains (adding drains back to the project)
		0	Additional Hydrants
		0	Geotechnical Peer Review
		0	Influent Manhole Future FM
		0	Addition of Metal Building Walls and Galvanizing
		0	Electrical Gear Additional Cost for Increased Motor Sizes
		0	Evoqua Stair and Platform Modifications
		0	Evoqua Stair and Platform Modifications

# 7.0 - SCHEDULE

7.1	Baseline Schedule updated on 08/04/23
	• Critical Path is currently being driven by the Packaged Plants – Upcoming critical activities are listed
	below:
	<ul> <li>BNR Packaged Plant submittal approval and release.</li> </ul>
	<ul> <li>Tank slab redesign, this will be required for new rebar shop drawings, submittals, and approvals</li> </ul>
	<ul> <li>Rigid Inclusions contract execution and submittals.</li> </ul>
	o See attached CPM Schedule.

# 8.0 – PREVIOUS DISCUSSION

8.1 06/01/23	Mr. Null expressed gratitude towards the team for achieving the DEO expenditure goal on			
	•	Mr. Duncan suggested weekly meetings could be held to increase RFI/Submittal turnaround times.		

# 9.0 - DISCUSSION

9.1 06/01/23	٠	WS send out progress photos
	٠	Columbia County finalizing JE CEI contract
	٠	Revisit RFI#041 Drainage Inlet Modification

# **10.0 - PREVIOUS ACTION ITEMS**

10.1	٠	Jones Edmunds provide response to RFI#032 ASAP. Complete
07/10/23		

## 11.0 - NEW ACTION ITEMS

11.1 08/07/23	Wharton-Smith to send monthly aerial progress photos
	Jones Edmunds to revisit RFI#041

## Next Meeting Time and Date:

TIME:	09:00 AM
LOCATION:	On Site
DAY/DATE:	<mark>9/11/2023</mark>

The above statements represent this writer's understanding of discussions, decisions, clarifications, and actions taken from this meeting. Unless advised otherwise in writing within five (5) days of receipt of these minutes, the above statements shall be considered true and correct and work shall proceed on this basis.

## Notes

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ES1020	Long Lead Electrical Gear Impact	107	0	28-Dec-24	13-Apr-25													
ES1050	Forecasted Substantial Completion (05/16/25)	0	0		13-Apr-25*							÷.						
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Submittals Procure	/Submit	93	358	14-Mar-23 A	11-Sep-23		+					· ¦						
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Activity Name          13030 - Software Control Block Descriptions         13060 - Fiber Optic Cable         13070 - Panel Mounted Instruments and Devices         13080 - Primary Sensors and Field Instruments         13200 - Process Control I/O List         02920 - Sod & Seeding         05500 - Misc. Metals         05520 - Handrails & Railings         09900 - Paintings and Coatings         11600 - Laboratory Equipment         11605 - Composite Sampling Equipment         13127 - Mobile Office/Lab Trailer         16060 - Power Coordination Study         Dewater and Excavate Stormwater Pond         Build storage/reject pond         RCP pipe for stormwater pond         Finish berms around site         Install Road Between Ponds         Install fence around perimeter	Original Duration           120           30           120           80           30           120           80           30           120           80           30           30           15           60           60           30           99           99           99           50           5           470           293           293           40           20           10	Total         Float         211         301         211         201         301         211         301         211         301         358         241         224         228         276         333         0         1777         43         253	Start 03-Oct-23 03-Oct-23 03-Oct-23 03-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 03-Apr-23 A 03-Apr-23 A	Finish 22-Mar-24 13-Nov-23 22-Mar-24 26-Jan-24 13-Nov-23 30-Oct-23 05-Jan-24 05-Jan-24 05-Jan-24 20-Nov-23 29-Feb-24 29-Feb-24 29-Feb-24 20-Dec-23 16-Oct-23 13-Apr-25 31-Jul-24		A       S       O       N       D       J       F       M       A       M       J       J       A       S       O       N       D       J       F       M       A       M       J       J       A       S       O       N       D       J       F       M       A       M       J       J       J       A       S       O       N       D       J       F       M       A       M       J       J         11000       -       13030 - Software Control Block Descriptions       -
13060 - Fiber Optic Cable13070 - Panel Mounted Instruments and Devices13080 - Primary Sensors and Field Instruments13200 - Process Control I/O List02920 - Sod & Seeding05500 - Misc. Metals05520 - Handrails & Railings09900 - Paintings and Coatings11600 - Laboratory Equipment13127 - Mobile Office/Lab Trailer16060 - Power Coordination StudyDewater and Excavate Stormwater PondBuild storage/reject pondRCP pipe for stormwater pondFinish berms around siteInstall Road Between Ponds	30         120         80         30         15         60         30         99         99         50         50         50         293         40         20         10	301       211       221       301       358       241       224       228       228       276       333       0       177       43	03-Oct-23 03-Oct-23 03-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 03-Apr-23 A 03-Apr-23 A	13-Nov-23         22-Mar-24         26-Jan-24         13-Nov-23         30-Oct-23         05-Jan-24         05-Jan-24         20-Nov-23         29-Feb-24         29-Feb-24         20-Dec-23         16-Oct-23         13-Apr-25         31-Jul-24		13060 - Fiber Optic Cable         13070 - Panel Mounted Instruments and Devices         13080 - Primary Sensors and Field Instruments         13200 - Process Control I/O List         02920 - Sod & Seeding         05500 - Misc Metals         05520 - Handrails & Raitings         09900 - Paintings and Coatings         11600 - Laboratory Equipment         11605 - Composite Sampling Equipment         13127 - Mobile Office/Lab Trailer
13070 - Panel Mounted Instruments and Devices13080 - Primary Sensors and Field Instruments13200 - Process Control I/O List02920 - Sod & Seeding05500 - Misc. Metals05520 - Handrails & Railings09900 - Paintings and Coatings11600 - Laboratory Equipment11605 - Composite Sampling Equipment13127 - Mobile Office/Lab Trailer16060 - Power Coordination StudyDewater and Excavate Stormwater PondBuild storage/reject pondRCP pipe for stormwater pondFinish berms around siteInstall Road Between Ponds	120         80         30         15         60         30         99         99         50         5         470         293         40         20         10	211       221       301       358       241       241       224       228       276       333       0       177       43	03-Oct-23 03-Oct-23 03-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 03-Apr-23 A 03-Apr-23 A	22-Mar-24 26-Jan-24 13-Nov-23 30-Oct-23 05-Jan-24 05-Jan-24 20-Nov-23 29-Feb-24 29-Feb-24 20-Dec-23 16-Oct-23 13-Apr-25 31-Jul-24		13070 - Panel Mounted Instruments and Devices         13080 - Primary Sensors and Field Instruments         13200 - Process Control I/O List         02920 - Sod & Seeding         05500 - Misc Metals         05520 - Handrails & Railings         09900 - Paintings and Coatings         11600 - Laboratory Equipment         11805 - Composite Sampling Equipment         13127 - Mobile Office/Lab Trailer
13080 - Primary Sensors and Field Instruments         13200 - Process Control I/O List         02920 - Sod & Seeding         05500 - Misc. Metals         05520 - Handrails & Railings         09900 - Paintings and Coatings         11600 - Laboratory Equipment         11605 - Composite Sampling Equipment         13127 - Mobile Office/Lab Trailer         16060 - Power Coordination Study         Dewater and Excavate Stormwater Pond         Build storage/reject pond         RCP pipe for stormwater pond         Finish berms around site         Install Road Between Ponds	80         30         15         60         30         99         99         99         50         5         470         293         40         20         10	221       301       358       241       241       224       228       276       333       0       177       43	03-Oct-23 03-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 03-Apr-23 A 03-Apr-23 A	26-Jan-24 13-Nov-23 30-Oct-23 05-Jan-24 20-Nov-23 29-Feb-24 29-Feb-24 20-Dec-23 16-Oct-23 13-Apr-25 31-Jul-24		13080 - Primary Sensors and Field Instruments 13200 - Process Control I/O List 02920 - Sod & Seeding 05500 - Misc. Metals 05520 - Handrails & Railings 09900 - Paintings and Coatings 11600 - Laboratory Equipment 11605 - Composite Sampling Equipment 13127 - Mobile Office/Lab Trailer
13200 - Process Control I/O List         02920 - Sod & Seeding         05500 - Misc. Metals         05520 - Handrails & Railings         09900 - Paintings and Coatings         11600 - Laboratory Equipment         11605 - Composite Sampling Equipment         13127 - Mobile Office/Lab Trailer         16060 - Power Coordination Study         Dewater and Excavate Stormwater Pond         Build storage/reject pond         RCP pipe for stormwater pond         Finish berms around site         Install Road Between Ponds	30         15         60         30         99         99         50         5         470         293         20         10	301       358       241       242       224       228       276       333       0       177       43	03-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 03-Apr-23 A 03-Apr-23 A	13-Nov-23         30-Oct-23         05-Jan-24         05-Jan-24         20-Nov-23         29-Feb-24         29-Feb-24         20-Dec-23         16-Oct-23         13-Apr-25         31-Jul-24		13200 - Process Control I/O List         02920 - Sod & Seeding         05500 - Misc. Metals         05520 - Handrails & Railings         09900 - Paintings and Coatings         11600 - Laboratory Equipment         11605 - Composite Sampling Equipment         13127 - Mobile Office/Lab Trailer
02920 - Sod & Seeding 05500 - Misc. Metals 05520 - Handrails & Railings 09900 - Paintings and Coatings 11600 - Laboratory Equipment 11605 - Composite Sampling Equipment 13127 - Mobile Office/Lab Trailer 16060 - Power Coordination Study Dewater and Excavate Stormwater Pond Build storage/reject pond RCP pipe for stormwater pond Finish berms around site Install Road Between Ponds	15         60         30         99         99         50         5         470         293         40         20         10	358       241       241       224       228       276       333       0       177       43	10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 03-Apr-23 A 03-Apr-23 A	30-Oct-23 05-Jan-24 05-Jan-24 20-Nov-23 29-Feb-24 29-Feb-24 20-Dec-23 16-Oct-23 13-Apr-25 31-Jul-24		13200 - Process Control I/O List         02920 - Sod & Seeding         05500 - Misc. Metals         05520 - Handrails & Railings         09900 - Paintings and Coatings         11600 - Laboratory Equipment         11605 - Composite Sampling Equipment         13127 - Mobile Office/Lab Trailer
05500 - Misc. Metals 05520 - Handrails & Railings 09900 - Paintings and Coatings 11600 - Laboratory Equipment 11605 - Composite Sampling Equipment 13127 - Mobile Office/Lab Trailer 16060 - Power Coordination Study Dewater and Excavate Stormwater Pond Build storage/reject pond RCP pipe for stormwater pond Finish berms around site Install Road Between Ponds	60         60         30         99         99         50         5         470         293         20         10	241       241       224       228       276       333       0       177       177       43	10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 03-Apr-23 A 03-Apr-23 A	05-Jan-24 05-Jan-24 20-Nov-23 29-Feb-24 29-Feb-24 20-Dec-23 16-Oct-23 13-Apr-25 31-Jul-24		O2920 - Sod & Seeding     O5500 - Misc. Metals     O5520 - Handrails & Railings     O9900 - Paintings and Coatings     I1600 - Laboratory Equipment     I1605 - Composite Sampling Equipment     I3127 - Mobile Office/Lab Trailer
05500 - Misc. Metals 05520 - Handrails & Railings 09900 - Paintings and Coatings 11600 - Laboratory Equipment 11605 - Composite Sampling Equipment 13127 - Mobile Office/Lab Trailer 16060 - Power Coordination Study Dewater and Excavate Stormwater Pond Build storage/reject pond RCP pipe for stormwater pond Finish berms around site Install Road Between Ponds	60         30         99         99         50         5         470         293         40         20         10	241       224       228       276       333       0       177       177       43	10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A	05-Jan-24 20-Nov-23 29-Feb-24 29-Feb-24 20-Dec-23 16-Oct-23 13-Apr-25 31-Jul-24		05500 - Misc. Metals 05520 - Handrails & Railings 09900 - Paintings and Coatings 11600 - Laboratory Equipment 11605 - Composite Sampling Equipment 13127 - Mobile Office/Lab Trailer
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11600 - Laboratory Equipment         11605 - Composite Sampling Equipment         13127 - Mobile Office/Lab Trailer         16060 - Power Coordination Study         Dewater and Excavate Stormwater Pond         Build storage/reject pond         RCP pipe for stormwater pond         Finish berms around site         Install Road Between Ponds	99         99         50         5         470         293         293         40         20         10	228       228       276       333       0       177       177       43	10-Oct-23 10-Oct-23 10-Oct-23 10-Oct-23 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A	29-Feb-24 29-Feb-24 20-Dec-23 16-Oct-23 13-Apr-25 31-Jul-24		11600 - Laboratory Equipment 11605 - Composite Sampling Equipment 13127 - Mobile Office/Lab Trailer
11605 - Composite Sampling Equipment         13127 - Mobile Office/Lab Trailer         16060 - Power Coordination Study         Dewater and Excavate Stormwater Pond         Build storage/reject pond         RCP pipe for stormwater pond         Finish berms around site         Install Road Between Ponds	99       50       5       470       293       40       20       10	228 276 333 0 177 177 43	10-Oct-23 10-Oct-23 10-Oct-23 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A	29-Feb-24 20-Dec-23 16-Oct-23 13-Apr-25 31-Jul-24		11605 - Composite Sampling Equipment 13127 - Mobile Office/Lab Trailer
13127 - Mobile Office/Lab Trailer         16060 - Power Coordination Study         Dewater and Excavate Stormwater Pond         Build storage/reject pond         RCP pipe for stormwater pond         Finish berms around site         Install Road Between Ponds	50 5 470 293 293 40 20 10	276 333 0 177 177 43	10-Oct-23 10-Oct-23 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A	20-Dec-23 16-Oct-23 13-Apr-25 31-Jul-24		13127 - Mobile Office/Lab Trailer
16060 - Power Coordination Study         16060 - Power Coordination Study         Dewater and Excavate Stormwater Pond         Build storage/reject pond         RCP pipe for stormwater pond         Finish berms around site         Install Road Between Ponds	5 470 293 293 40 20 10	333 0 177 177 43	10-Oct-23 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A	16-Oct-23 13-Apr-25 31-Jul-24		
Dewater and Excavate Stormwater Pond Build storage/reject pond RCP pipe for stormwater pond Finish berms around site Install Road Between Ponds	470 293 293 40 20 10	0 177 177 43	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A	13-Apr-25 31-Jul-24		
Build storage/reject pond         RCP pipe for stormwater pond         Finish berms around site         Install Road Between Ponds	293 293 40 20 10	177 177 43	03-Apr-23 A 03-Apr-23 A	31-Jul-24		
Build storage/reject pond         RCP pipe for stormwater pond         Finish berms around site         Install Road Between Ponds	293 40 20 10	177 43	03-Apr-23 A			
Build storage/reject pond         RCP pipe for stormwater pond         Finish berms around site         Install Road Between Ponds	40 20 10	43		31- lul-24		
Build storage/reject pond         RCP pipe for stormwater pond         Finish berms around site         Install Road Between Ponds	20 10		02 00 00 0			
RCP pipe for stormwater pond Finish berms around site Install Road Between Ponds	10	253	03-Apr-23 A	25-Aug-23		
Finish berms around site Install Road Between Ponds			26-Jun-23 A	25-Aug-23		Build storage/reject pond
Install Road Between Ponds	10	401	28-Aug-23	11-Sep-23		RCP pipe for stormwater pond
	10	338	28-Aug-23	11-Sep-23		📁 Finish berms around site
Install fence around perimeter	5	406	28-Aug-23	01-Sep-23		Install Road Between Ponds
	20	338	12-Sep-23	09-Oct-23		Install fence around perimeter
Sod Stormwater Pond Slopes	2	401	12-Sep-23	13-Sep-23		I Sod Stormwater Pond Slopes
Install HDPE Pond Liner	5	331	14-Dec-23	20-Dec-23		Install HDPE Pond Liner
Sod Reject Pond Slopes	2	331	21-Dec-23	22-Dec-23		I Sod Reject Pond Slopes
Install roads around site	15	177	29-May-24	18-Jun-24	-	Install roads around site
Pave	10	177	03-Jul-24	17-Jul-24		
Sod WWTP	10	177	18-Jul-24	31-Jul-24		Sod WWTP
Sitework Complete	0	177		31-Jul-24		Sitework Complete
	115	253	28-Aug-23	09-Feb-24		
Clear Pipe Corridor from Plant to Spray Field	10	253	28-Aug-23	11-Sep-23		🔲 Clear Pipe Corridor from Plant to Spray Field
Install Sprayfield Pipeline from Zone A to CCC	15	253	12-Sep-23	02-Oct-23	-	🔲 Install Sprayfield Pipeline from Zone A to ¢CC
Brush Hog Spray Field Vegetation	20	253	03-Oct-23	30-Oct-23		Brush Hog Spray Field Vegetation
Install Header from Zone A to Zone I	15	253	31-Oct-23	20-Nov-23	-	Install Header from Zone A to Zone I
Construct Zone A Spray Field	20	253	21-Nov-23	20-Dec-23	-	Construct Zone A Spray Field
		253	21-Dec-23	19-Jan-24	-	Construct Zone C Spray Field
Construct Zone E Sprav Field	15	253	22-Jan-24	09-Feb-24		Construct Zone E Spray Field
				09-Feb-24		◆ Spray Fields Complete
			29-Jun-23 A			
Communications Ductbank - Street to Building	30				<b>-</b>	Communications Ductbank - Street to Building
Ductbank from FPL XFMR to Electrical Bldg	8			-		Ductbank from FPL XFMR to Electrical Bldg
	6		-	-		Ductbank from Electrical Building to MH 1 & 2
•	-		-	-		Ductbank from Electrical Building to MH 7 & 8
-			•	· ·		Ductbank from MH 1 & 2 to MH 3 & 4
						Ductbank form MH 3 & 4 to MH 5 & 6
			· · · · · · · · · · · · · · · · · · ·			Ductbank from Electrical Building to Generator
•					-	
Ductbank from MH 7 & 8 to MH 9 & 10	8	328	05-Oct-23	16-Oct-23		Ductbank from MH 7 & 8 to MH 9 & 10
	Construct Zone A Spray Field Construct Zone C Spray Field Construct Zone E Spray Field Spray Fields Complete Communications Ductbank - Street to Building Ductbank from FPL XFMR to Electrical Bldg Ductbank from Electrical Building to MH 1 & 2 Ductbank from Electrical Building to MH 7 & 8 Ductbank from MH 1 & 2 to MH 3 & 4 Ductbank from MH 3 & 4 to MH 5 & 6 Ductbank from Electrical Building to Generator Ductbank from MH 7 & 8 to MH 9 & 10	Install Header from Zone A to Zone I15Construct Zone A Spray Field20Construct Zone C Spray Field20Construct Zone E Spray Field15Spray Fields Complete0Communications Ductbank - Street to Building30Ductbank from FPL XFMR to Electrical Bldg8Ductbank from Electrical Building to MH 1 & 26Ductbank from Electrical Building to MH 7 & 85Ductbank from MH 1 & 2 to MH 3 & 410Ductbank from MH 3 & 4 to MH 5 & 68Ductbank from MH 7 & 8 to MH 9 & 108	Brush Hog Spray Field Vegetation20253Install Header from Zone A to Zone I15253Construct Zone A Spray Field20253Construct Zone C Spray Field20253Construct Zone E Spray Field15253Spray Fields Complete0253Communications Ductbank - Street to Building30268Ductbank from FPL XFMR to Electrical Bldg8268Ductbank from Electrical Building to MH 1 & 26268Ductbank from Electrical Building to MH 7 & 85268Ductbank from MH 1 & 2 to MH 3 & 410328Ductbank from MH 3 & 4 to MH 5 & 68328Ductbank from H 7 & 8 to MH 9 & 108328Actual WorkCritical Remaining WorkInitial Remaining Work	Brush Hog Spray Field Vegetation2025303-Oct-23Install Header from Zone A to Zone I1525331-Oct-23Construct Zone A Spray Field2025321-Nov-23Construct Zone C Spray Field2025321-Dec-23Construct Zone E Spray Field1525322-Jan-24Spray Fields Complete025325Communications Ductbank - Street to Building3026829-Jun-23 ADuctbank from FPL XFMR to Electrical Bldg826814-Aug-23Ductbank from Electrical Building to MH 1 & 2626824-Aug-23Ductbank from MH 1 & 2 to MH 3 & 41032811-Sep-23Ductbank from MH 3 & 4 to MH 5 & 6832825-Sep-23Ductbank from Hor Electrical Building to Generator435102-Oct-23Ductbank from MH 7 & 8 to MH 9 & 10832805-Oct-23Mathem MH 7 & 8 to MH 9 & 10832805-Oct-23Mathem MH 7 & 8 to MH 9 & 10832805-Oct-23Mathem MH 7 & 8 to MH 9 & 10832805-Oct-23Mathem MH 7 & 8 to MH 9 & 10832805-Oct-23Mathem MH 7 & 8 to MH 9 & 10832805-Oct-23Mathem Mer Mathem MH 7 & 8 to MH 9 & 10832805-Oct-23Mathem Mer Mathem MH 7 & 8 to MH 9 & 10832805-Oct-23Mathem Mer Mathem them Mer Mathem Mer Mathem Mer Mathemathem Mer Mathemathem Mer Mat	Brush Hog Spray Field Vegetation         20         253         03-Oct-23         30-Oct-23           Install Header from Zone A to Zone I         15         253         31-Oct-23         20-Nov-23           Construct Zone A Spray Field         20         253         21-Nov-23         20-Dec-23           Construct Zone C Spray Field         20         253         21-Dec-23         19-Jan-24           Construct Zone E Spray Field         15         253         22-Jan-24         09-Feb-24           Spray Fields Complete         0         253         29-Jun-23 A         02-Jul-24           Communications Ductbank - Street to Building         30         268         29-Jun-23 A         11-Aug-23           Ductbank from FPL XFMR to Electrical Bldg         8         268         14-Aug-23         23-Aug-23           Ductbank from Electrical Building to MH 1 & 2         6         268         24-Aug-23         31-Aug-23           Ductbank from MH 1 & 2 to MH 3 & 4         10         328         11-Sep-23         08-Sep-23           Ductbank from MH 3 & 4 to MH 5 & 6         8         328         25-Sep-23         04-Oct-23           Ductbank from MH 7 & 8 to MH 9 & 10         8         328         05-Oct-23         16-Oct-23           Ductbank from MH 7 & 8 to MH 9 & 1	Brush Hog Spray Field Vegetation       20       253       03-Oct-23       30-Oct-23         Install Header from Zone A to Zone I       15       253       31-Oct-23       20-Nov-23         Construct Zone A Spray Field       20       253       21-Nov-23       20-Dec-23         Construct Zone C Spray Field       20       253       21-Dec-23       19-Jan-24         Construct Zone E Spray Field       15       253       22-Jan-24       09-Feb-24         Spray Fields Complete       0       253       29-Jun-23 A       02-UL24         Communications Ductbank - Street to Building       30       268       29-Jun-23 A       11-Aug-23         Ductbank from FPL XFMR to Electrical Bldg       8       268       14-Aug-23       23-Aug-23         Ductbank from Electrical Building to MH 1 & 2       6       268       24-Aug-23       31-Aug-23         Ductbank from MH 1 & 2 to MH 3 & 4       10       328       11-Sep-23       08-Sep-23         Ductbank from MH 1 & 2 to MH 3 & 4       10       328       25-Sep-23       04-Oct-23         Ductbank from Electrical Building to Generator       4       351       02-Oct-23       05-Oct-23         Ductbank from MH 3 & 4 to MH 5 & 6       8       328       05-Oct-23       05-Oct-23

	Activity Name	Original Duration	Total Float	Start	Finish	A M J J A S O N D J F M A M J J A S O I
SE1250	Install Site Grounding	5	328	17-Oct-23	23-Oct-23	Install Site Grounding
SE1150	Install Site Lighting	10	177	19-Jun-24	02-Jul-24	🗖 Install Site Lighting
SE1260	Site Electrical Complete	0	197		02-Jul-24	<ul> <li>Site Electrical Complet</li> </ul>
Yard piping		115	303	28-Jun-23 A	13-Dec-23	
Pipelines		0	0 303		13-Dec-23	
Process Pipe YP1110	Install 12" influent to package plants from IPS	115 10	25	28-Jun-23 A	11-Aug-23	Install 12" influent to package plants from IPS
YP1220	Install 8" DS-1	5	27	31-Jul-23	04-Aug-23	
YP1240	8" EQ-1 from BNRs to CCC	10	27	31-Jul-23	11-Aug-23	8" EQ-1 from BNRs to CCC
YP1170	Lechaete tank Drain Piping	5	323	14-Aug-23	18-Aug-23	Lechaete tank Drain Piping
YP1140	8" & 12" SE from Package plants to CCC	10	22	25-Aug-23	08-Sep-23	8 * & 12" SE from Package plants to CCC
YP1150	6" PSD to Manhole	7	22	•		6" PSD to Manhole
YP1150 YP1190		3	22	11-Sep-23	19-Sep-23	I Install 3" Chemical Containment Piping
YP1190 YP1200	Install 3" Chemical Containment Piping		286	20-Sep-23	22-Sep-23	
	Install Plant PW Piping	5		25-Sep-23	29-Sep-23	I Install Plant PW Piping  20" from CCC to pond
YP1130	20" from CCC to pond	5	303	07-Dec-23	13-Dec-23	*
YP1210	Yard Piping Complete	0	303		13-Dec-23	◆ Yard Piping Complete
Sanitary Sewer YP1100	Install PDPS to MH-102	43 5	355 363	24-Jul-23 A 24-Jul-23 A	28-Sep-23 04-Aug-23	Install PDPS to MH-102
YP1080	Install MH-102	2	363	07-Aug-23	04-Aug-23	
YP1020	Install PDPS to MH-104	2	388	07-Aug-23	11-Aug-23	I Install PDPS to MH-104
YP1030	Install MH-104 to Sludge Pump Station	3	22	14-Aug-23	16-Aug-23	I Install MH-104 to Sludge Pump Station
YP1090	Install MH-101 to Ops Building	3 1	360	14-Aug-23	14-Aug-23	I Install MH-101 to Ops Building
YP1040	Install PDPS to MH-103	1	22	17-Aug-23	14-Aug-23	I Install PDPS to MH-103
YP1050	Install MH-103 to BNR Drains	5	22	18-Aug-23	24-Aug-23	□ Install MH-103 to BNR Drains
YP1060	Install MH-104 to MH-102	5	314	25-Aug-23	31-Aug-23	Install MH-104 to MH-102
YP1070	Install MH-102 to Leachate Drains & Chem Stora	2	314	01-Sep-23	05-Sep-23	Install MH-102 to Leachate Drains & Chem Storage Drains
YP1010	Install PDPS Package Lift Station	3	355	26-Sep-23	28-Sep-23	I Install PDPS Package Lift Station
WTP		428	0	24-Jul-23 A	13-Apr-25	
Influent Pump Station IP1000	Excavate and install IPS	359 15	34 314	07-Aug-23 07-Aug-23	06-Jan-25 25-Aug-23	Excavate and install IPS
IP1100	Install Master Manhole and Influent Piping	5	314	28-Aug-23	01-Sep-23	Install Master Manhole and Influent Piping
IP1120	Backfill and Compact - Prepare slab grade	3	314	05-Sep-23	07-Sep-23	<ul> <li>Backfill and Compact - Prepare slab grade</li> </ul>
IP1230	In/Under Electrical and Mechanical	5	314	08-Sep-23	14-Sep-23	<ul> <li>In/Under Electrical and Mechanical</li> </ul>
IP1010	F/R/P Slab on Grade	7	314	15-Sep-23	25-Sep-23	$\square$ F/R/P Slab on Grade
IP1040	Agru-Liner	5	314	26-Sep-23	02-Oct-23	
IP1020	Install Pumps and Piping	15	229	05-Feb-24	23-Feb-24	Install Pumps and Piping
IP1030	Install Submersible Mixer	2	229	26-Feb-24	27-Feb-24	I Install Submersible Mixer
IP1050	Pull & Terminate Wire	10	35	03-Dec-24	16-Dec-24	
IP1140	Local I/O Check	2	40	17-Dec-24	18-Dec-24	
IP1060	Start-Up and Testing	5	34	30-Dec-24	06-Jan-25	
IP1070	Influent Pump Station Complete	0	34	00 000 24	06-Jan-25	╂╌╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍
Lechaete		215	34	01-Mar-24	06-Jan-25	
LT1130	Mobilize & Recieve Tank Material	3	145	01-Mar-24	05-Mar-24	D Mobilize & Recieve Tank Material
LT1140	T1: Set and anchor tank base	2	145	06-Mar-24	07-Mar-24	T1: Set and anchor tank base
LT1150	T1: Erect and bolt up tank walls	10	145	08-Mar-24	21-Mar-24	T1: Erect and bolt up tank walls
LT1160	T1: Set and bolt up tank roof	5	145	22-Mar-24	28-Mar-24	T1: Set and boilt up tank roof
LT1170	T1: Leak Test Tank	5	145	29-Mar-24	04-Apr-24	T1: Leak Test Tank
LT1180	T2: Set and anchor tank base	2	145	05-Apr-24	08-Apr-24	I T2: Set and anchor tank base
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Remaining Level of Effo	ort Actual Work Critical Ren	naining Wor	к		Columbia Cou	nty NFMIP WWTP     TASK filter: Completed.       Pag

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nbia County NFMIP WWTF	Activity Name	Original	Total	Start	Finish	ounty Progress Update	
		Duration	Float	Otart	1 mon		
LT1190	T2: Erect and bolt up tank walls	10	145	09-Apr-24	22-Apr-24		□ T2: Ērect and bo
LT1200	T2: Set and bolt up tank roof	5	145	23-Apr-24	29-Apr-24		T2: Set and bol
LT1210	T2: Leak test tank	5	145	30-Apr-24	06-May-24		T2: Leak test
LT1220	Tank Punchlist	5	145	07-May-24	13-May-24		🗖 Tank Punchli
LT1040	F/R/P pads for equipment	10	145	14-May-24	28-May-24		🗖 F/R/P pad
LT1050	Install pumps	5	145	29-May-24	04-Jun-24		🗖 Install pu
LT1060	Install Blowers	3	145	05-Jun-24	07-Jun-24		I Install B
LT1070	Install flanged piping	5	145	10-Jun-24	14-Jun-24		Install 1
LT1080	Install air piping	7	145	17-Jun-24	25-Jun-24		🔲 Insta
LT1090	Install diffusers	5	145	26-Jun-24	02-Jul-24		
LT1100	Pull & Terminate Wire	10	35	10-Dec-24	23-Dec-24		
LT1230	Local I/O Check	2	35	24-Dec-24	26-Dec-24		
LT1110	Startup and Testing	5	34	30-Dec-24	06-Jan-25		+++++++++
LT1120	Leachate Complete	0	34		06-Jan-25		
Packaged Plants		371	0	05-Sep-23	19-Feb-25		
PP1430	Peform Rigid Inclusions - Ground Improvements	15	3	05-Sep-23	25-Sep-23	Peform F	Rigid Inclusions - Ground Improvements
PP1150	Prepare Grade for Slab on Grade	10	3	26-Sep-23	09-Oct-23	🗖 Prepa	re Grade for Slab on Grade
PP1160	Grounding	5	3	10-Oct-23	16-Oct-23	🛛 Grou	nding
PP1010	F/R/P Slabs for tanks	20	3	17-Oct-23	13-Nov-23		F/R/P Slabs for tanks
PP1000	In/Under Electric	5	3	14-Nov-23	20-Nov-23		In/Under Electric
PP1190	Evoqua Mobilization	5	0	28-Nov-23	04-Dec-23		Evoqua Mobilization
PP1200	PP1: Erect center clarifier drive shaft	7	0	05-Dec-23	13-Dec-23		PP1: Erect center clarifier drive shaft
PP1210	PP1: Erect clarifier tank walls	15	0	14-Dec-23	05-Jan-24		PP1: Erect clarifier tank walls
PP1220	PP1: Erect exterior tank walls and bulkheads	30	0	08-Jan-24	16-Feb-24		PP1: Erect exterior tank wa
PP1230	PP1: Grout and install clarifer scrapers	10	0	19-Feb-24	01-Mar-24		PP1: Grout and install cla
PP1240	PP1: Install mixers and aeration piping	5	0	04-Mar-24	08-Mar-24		PP1: Install mixers and a
PP1250	PP1: Skimmers, Scum Troughs, Screens	5	0	11-Mar-24	15-Mar-24		PP1: Skimmers, Scum
PP1260	PP1: Install process piping	10	0	18-Mar-24	29-Mar-24		PP1: Install process
PP1270	PP1: Leak tests	10	0	01-Apr-24	12-Apr-24		PP1: Leak tests
PP1280	PP1: Coatings	15	0	15-Apr-24	03-May-24		PP1: Coatings
PP1290	PP1: Complete	1	0	06-May-24	06-May-24		I PP1: Comple
PP1300	PP2: Erect center clarifier drive shaft	6	0	07-May-24	14-May-24		PP2: Erect
PP1310	PP2: Erect clarifier tank walls	15	0	15-May-24	05-Jun-24		PP2: Er
PP1320	PP2: Erect exterior tank walls and bulkheads	30	0	06-Jun-24	18-Jul-24		
PP1330	PP2: Grout and install clarifer scrapers	10	0	19-Jul-24	01-Aug-24		
PP1340	PP2: Install mixers and aeration piping	5	0	02-Aug-24	08-Aug-24		
PP1350	PP2: Skimmers, Scum Troughs, Screens	5	0	09-Aug-24	15-Aug-24		
PP1360	PP2: Install process piping	10	0	16-Aug-24	29-Aug-24		
PP1370	PP2: Leak tests	10	0	30-Aug-24	13-Sep-24		
PP1380	PP2: Coatings	15	0	16-Sep-24	04-Oct-24		
PP1390	PP2: Complete	1	0	07-Oct-24	07-Oct-24		
PP1110	Pour slab around entire area	15	8	08-Oct-24	28-Oct-24		
PP1400	Erect platform between packaged plants	15	0	08-Oct-24	28-Oct-24		
PP1020	F/R/P Equipment Pads for Pumps and Blowers	10	8	29-Oct-24	11-Nov-24		
PP1170	Install Misc. Metals	15	0	29-Oct-24	18-Nov-24		
PP1100	Install drum screens and conveyor	3	0	19-Nov-24	21-Nov-24		
PP1040	Install IR pumps	5	0	22-Nov-24	02-Dec-24		
<ul> <li>Remaining Level of Eff</li> <li>Actual Level of Effort</li> </ul>	fort Actual Work Critical Re	maining Wo	rk			unty NFMIP WWTP / 31, 2023	TASK filter: Completed.

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a County NFMIP WWTF	Activity Name	Original	Total	Start	Columbia Co Finish		M J		S	0	N D	)   J	F	MA		
		Duration	Float	Otart	1 111011				$\mathbf{H}\mathbf{U}\mathbf{H}$	шĻ	ппп		hinh			тп
PP1410	Install EQ pumps	5	0	03-Dec-24	09-Dec-24	╶┦┸┸┸╀┸							+++++++	<u>uu</u>		шц
PP1060	Flange Piping for EQ Pumps	10	0	10-Dec-24	23-Dec-24											
PP1070	Flange piping for IR Pumps	10	0	24-Dec-24	08-Jan-25											
PP1120	Pull & Terminate Wire	15	10	24-Dec-24	15-Jan-25											1
PP1050	Install Blowers	5	0	09-Jan-25	15-Jan-25	_										
PP1080	Air piping for Blowers	5	0	16-Jan-25	22-Jan-25									· · · · ¦ - ·		
PP1420	Local I/O Check	5	10	16-Jan-25	22-Jan-25	_										
PP1180	Fill package plants for equipment testing	10	0	23-Jan-25	05-Feb-25	_								-		
PP1130	Startup and Testing of Individual Equipment	10	0	06-Feb-25	19-Feb-25	_										
PP1140	Packaged Plants Complete	0	0	0010020	19-Feb-25											
Chlorine Contact C		359	29	24-Jul-23 A	13-Jan-25									····; ···		
CC1020	F/R/P lower walls for Reuse Station	10	214	24-Jul-23 A	11-Aug-23				F/R/P lo	werw	alls	Reuse	Station			1
CC1030	Leak Test Reuse Station	10	214	14-Aug-23	25-Aug-23	_			Leak		1			i		
CC1230	Electrical upper slab in/under	5	224	14-Aug-23	18-Aug-23				Electric	i i	i i	i i	ar			
CC1040	Backfill Effluent Channel and Prepare Grade for (	5	214	28-Aug-23	01-Sep-23				1 1	· · ·	1		1 1	epare C	Frade for	CCC
CC1220	Electrical reuse station in/under	5	214	05-Sep-23	11-Sep-23				- 4 4 -				in/under			
CC1050	F/R/P CCC SOG	10	214	12-Sep-23	25-Sep-23						CCC S	1	unuel	•		
CC1200	F/R/P Reuse Station Walls -2nd Lift	10	214	26-Sep-23	09-Oct-23	_			1.1.1		1	1	ion Walls	k _2nd	1.14	1
CC1200	F/R/P Influent box walls and splitter box walls	10	214	10-Oct-23	23-Oct-23	_			- i - i -	i	i i	i	i i	i i	plitter bo	v wo
CC1240	F/R/P west exterior wall and baffle walls	5	214	24-Oct-23	30-Oct-23	_				1	1	1	1 1		baffle wa	
CC1250	F/R/P center wall and East baffle walls	5		31-Oct-23	06-Nov-23						i			i		
CC1260		5	214	07-Nov-23	13-Nov-23	_					1		1 1		baffle wa	
	F/R/P East exterior wall and parshall flume	-	214			_				1	1	1	1 1	1	nd parsh	
CC1280	S/R/P CCC and reuse station walkways	5	214	14-Nov-23	20-Nov-23	_					i i	i i	i i	i i	ation wal	
CC1070	Leak Test CCC and Reuse Station	10	214	21-Nov-23	06-Dec-23	_					1	1	1 1	and R	euse Sta	tion
CC1080	Coatings	15	214	07-Dec-23	28-Dec-23								atings			
CC1090	Install VTP Pumps	8	84	02-Jul-24	12-Jul-24	_								Ì		
CC1100	Install submersible pumps	5	84	15-Jul-24	19-Jul-24	_										
CC1110	Install gates and parshall flume	4	84	22-Jul-24	25-Jul-24									i i		
CC1120	Install mechanical piping	15	84	26-Jul-24	15-Aug-24	_										
CC1130	Install metals	15	84	16-Aug-24	06-Sep-24											
CC1140	Electrical Rough In Equipment	10	84	09-Sep-24	20-Sep-24	_										
CC1190	Pull & Terminate Wire	10	37	27-Nov-24	12-Dec-24	_						1				
CC1210	Local I/O Check	2	37	13-Dec-24	16-Dec-24											
CC1150	FIII Structure and Individual Equipment Startup ar	10	29	30-Dec-24	13-Jan-25											
CC1160	Chlorine Contact Chamber Complete	0	29		13-Jan-25	_										
Sludge Pump Stati		362	0	20-Sep-23	21-Feb-25					1						
SP1000	In/Under Electrical	2	337	20-Sep-23	21-Sep-23	_			-i -i		er Elect	1				
SP1060	In/Under Mechanical	2	337	22-Sep-23	25-Sep-23						der Mec		1 1			
SP1010	F/R/P Pump Station Pad	10	337	26-Sep-23	09-Oct-23				; <b>F</b>	I F/R	/P Pum	1 I.	1			
SP1020	Install Progressing Cavity Pumps	2	284	27-Dec-23	28-Dec-23										Cavity F	'ump
SP1030	Install Flange Piping	3	288	29-Dec-23	03-Jan-24							Ins	stall Flar	nge Pip	inġ	
SP1070	Rough-In Equipment, Wire and Terminate	5	45	06-Dec-24	12-Dec-24											
SP1080	Local I/O check	2	45	13-Dec-24	16-Dec-24											1
SP1040	Start-Up and Testing	2	0	20-Feb-25	21-Feb-25											
SP1050	Sludge Pump Station Complete	0	0		21-Feb-25											
Chemical Storage		316	32	10-Oct-23	08-Jan-25											
CS1000	Install In/Under Electric	5	280	10-Oct-23	16-Oct-23					🛛 Ins	stall In/L	Jn¦der E	lectric	-		
Remaining Level of Eff Actual Level of Effort			I	10-00-23	Columbia Co	unty N 31, 20		• WWTP			stanınırt		1	K filter:	Comp	le

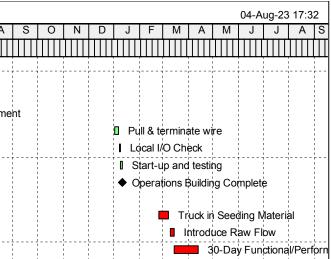
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D	WWTP - PU4_230731 Activity Name	Original	Total	Start	Finish	A M J		S	0 N	D	JF	MA	M		[
-		Duration	Float	Otdit							тП	hiitr			тŤ
CS1120	Install In/Under Mechanical	5	280	17-Oct-23	23-Oct-23			╎	Ins	tall In/Und	der Mec	hanical			
CS1010	FRP SOG & Sump	10	280	24-Oct-23	06-Nov-23				i 📫 F	-RP SOG	\$ & \$um	ρ			
CS1020	F/R/P Chemical Containment Walls & Pads	10	280	07-Nov-23	20-Nov-23					F/R/P	Chemica	Containm	nent Wa	alls & F	۶ad
CS1030	Set Bulk Storage Tank	2	255	29-Dec-23	02-Jan-24					Ó	Set Bul	k Storage	Tank		
CS1040	Erect PEMB Canopy	15	255	03-Jan-24	23-Jan-24				1 I 1 I 1 I		Ere	ct PEMB C	Canopy	1	
CS1050	Set Chemical Metering Pumps	2	255	24-Jan-24	25-Jan-24						1	t Chemical		1 1	mp
CS1070	Install Sink and Eyewash	2	255	24-Jan-24	25-Jan-24						1	tall Sink an	1	1 I	•
CS1060	Set Samplers and Analyzers	2	228	01-Mar-24	04-Mar-24							Set Sa		1 1	٩na
CS1080	Install Chemical Process Piping	5	235	05-Mar-24	11-Mar-24							🔲 Insta		1 1.	
CS1090	Above grade conduits	5	228	05-Mar-24	11-Mar-24	_						Abov	- i -	i i	
CS1130	Pull & Terminate Wire	5	40	06-Dec-24	12-Dec-24										
CS1150	Local I/O check	2	40	13-Dec-24	16-Dec-24	_									
CS1100	Individual Equipment Start-Up and Testing	5	32	30-Dec-24	06-Jan-25										
CS1140	Chemical Fill	2	32	07-Jan-25	08-Jan-25										
CS1140 CS1110	Chemical Storage Complete	0	32	01-001-20	08-Jan-25			-					-	1	
Electrical B		332	52	11-Sep-23	31-Dec-24								-	: :	
Electrical B EB1010	In/Under Electric Electrical Building	15	268	11-Sep-23	29-Sep-23				In/Linde	er Electric	Flectric	al Building			
EB1090	Install FPL Transformer	1	329	26-Sep-23	26-Sep-23	_			Install F	- I - I - I				-	
EB1030	F/R/P SOG Electrical Building	10	268	02-Oct-23	13-Oct-23					P SOG El		luildina			
EB1000	Diesel Generator and Transformer In/Under	10	345	02-Oct-23	13-Oct-23	_						Transform	) or In/L	Inder	
EB1000	F/R/P Genset pad and Transformer	10	345	16-Oct-23	27-Oct-23	_			1	1 I I	1	and Transf	1		
EB1020	Install Generator	2	345	30-Oct-23	31-Oct-23	_			÷ ÷	stall Gene				1	
A1000	Generator Load Test	2	345	01-Nov-23	02-Nov-23	_			i ī	Senerator	1	aat			
EB1040					20-Dec-23						i				
	Erect Precast building	5	227	14-Dec-23							1	cast buildir	-	1	
EB1060	House keeping pads	5	227	21-Dec-23	28-Dec-23	_					1	eeping pao	1	-	
EB1050	Install Lightning Protection	2	296	21-Dec-23	22-Dec-23	_				- i - i -		htning Pro		i i	
EB1070	Electrical Building Interior Finishes	5	227	29-Dec-23	05-Jan-24	_				1 1	1	cal Building	- I	r⊢inis ¦	he
EB1200	Install Transformers	2	264	08-Jan-24	09-Jan-24						i	Transform	*		
EB1230	Install PLC's	2	234	19-Feb-24	20-Feb-24							Install PL	1	-	
EB1210	Install Lighting Panel	1	166	24-May-24	24-May-24									Instal	
EB1100	Install Manual Transfer Switches	2	160	10-Jun-24	11-Jun-24	_								l Iņ	sta
EB1190	Install ATS	1	70	02-Oct-24	02-Oct-24			-	1 I 1 I 1 I				-	: :	
EB1101	Wire Generator and Primary power	5	70	03-Oct-24	09-Oct-24				     						
EB1110	Utility company power	1	70	10-Oct-24	10-Oct-24				1 I 1 I 1 I					1	
EB1120	Install HVAC System	5	85	11-Oct-24	17-Oct-24										
EB1180	Install MCC's	5	10	11-Nov-24	15-Nov-24										
EB1240	Wire E/I feeds to Chlorine Contact Tank	5	10	18-Nov-24	22-Nov-24									-	
EB1250	Wire E/I Feeds to Chemical Storage	2	10	25-Nov-24	26-Nov-24								-		
EB1270	Wire E/I feeds to Influent Pump Station	2	10	27-Nov-24	02-Dec-24						-				
EB1280	Wire E/I Feeds to Leachate Tanks	5	10	03-Dec-24	09-Dec-24			-			1		-		
EB1290	Wire E/I Feeds to Packaged Plants	10	10	10-Dec-24	23-Dec-24								-		
EB1220	Install Transformers	2	27	11-Dec-24	12-Dec-24								-		
EB1140	Startup electrical gear	10	27	13-Dec-24	27-Dec-24								-		
EB1260	Wire Panels and Equipment within Electrical Bu	ild 5	44	13-Dec-24	19-Dec-24										
EB1300	Wire E/I feeds to Operations Building	5	30	24-Dec-24	31-Dec-24								-		
EB1160	Test & Balance HVAC	2	37	30-Dec-24	31-Dec-24			-					-	ļ	
EB1170	Electrical Building Complete	0	37		31-Dec-24										
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Colum	bia County NFMIP WWTP - P	U4_230731				Columbia Co	ounty Progress Update
Activity ID	)	Activity Name	Original Duration	Total Float	Start	Finish	
	<b>Operations Building</b>		357	30	15-Aug-23	10-Jan-25	
	OB1000	Install In/Under Electric/Mechanical/TBD?	5	360	15-Aug-23	21-Aug-23	Install In/Under Electric/Mechanical/TBD?
	OB1010	Set Operations Building	5	276	21-Dec-23	28-Dec-23	Set Operations Building
	OB1020	Install I&C Monitoring Equipment	10	241	19-Feb-24	01-Mar-24	🗖 Install I&C Monitoring Equipme
	OB1040	Pull & terminate wire	3	30	02-Jan-25	06-Jan-25	
	OB1050	Local I/O Check	2	30	07-Jan-25	08-Jan-25	
	OB1060	Start-up and testing	2	30	09-Jan-25	10-Jan-25	
	OB1030	Operations Building Complete	0	30		10-Jan-25	
	Start-Up & Testing		35	0	24-Feb-25	13-Apr-25	
	SU1000	Truck in Seeding Material	10	0	24-Feb-25	07-Mar-25	
	SU1010	Introduce Raw Flow	5	0	10-Mar-25	14-Mar-25	
	SU1015	30-Day Functional/Performance Testing	30	0	15-Mar-25	13-Apr-25	

Remaining Level of Effort Actual Work	Critical Remaining Work	Columbia County NFMIP WWTP	TASK filter: Completed.
Actual Level of Effort Remaining Work	♦ Milestone	July 31, 2023	



# 22-114 COLUMBIA COUNTY SUBMITTAL LOG SUBMITTAL LOG

FA: For approval FI: For information FC: For review and comment FR: For record

8/7/2023

SUBMITTAL NO.	DESCRIPTION	ТҮРЕ	DATE SUBMITTED	DATE RETURNED	STATUS	VENDOR/SUBCONTRACTOR
01290-001	Schedule of Values	FR				Wharton-Smith
01320-001	Baseline Schedule Narrative	FR	4/12/2023	5/2/2023	APPROVED/APPROVED AS NOTED	Wharton-Smith
01325-001	Pre-Construction Video	FI	4/11/2023	4/28/2023	REVISE & RESUBMIT	Wharton-Smith
01350-001	SWPPP	FR	3/31/2023	5/8/2023	APPROVED/APPROVED AS NOTED	Wharton-Smith
01350-001A	SWPPP	FR	5/24/2023	6/23/2023	APPROVED/APPROVED AS NOTED	Wharton-Smith
01355-001	Hurricane Preparedness Plan	FR				Wharton-Smith
01450-001	Soil Tests - 4.17.23-7.7.23	FR	7/19/2023	7/21/2023	APPROVED/APPROVED AS NOTED	Wharton-Smith
01755-001	Testing Procedures	FR				Wharton-Smith
01780-001	Warranties, Bonds, and Service and Maintinence Contracts	FR				Wharton-Smith
01785-001	Land Surveyor Info	FR				Wharton-Smith
01785-002	Land Survey	FR				Wharton-Smith
01810-001	Water Tightness Tests	FR				Wharton-Smith
01815-001	Sequence of Construction Plan	FR				Wharton-Smith
01815-002	Temporary Systems Plans	FR				Wharton-Smith
02071-001	Geomembrane (HDPE) Product Data/ Installer Qualifications	FA	5/4/2023	5/19/2023	APPROVED/APPROVED AS NOTED	COMANCO
02071-002	Geomembrane Quality Control Certificates	FA	6/28/2023	7/17/2023	APPROVED/APPROVED AS NOTED	COMANCO
02230-001	Sitework Permits	FR				Wharton-Smith
02240-001	Dewatering Plan With Application	FR				Wharton-Smith
02240-002	Dewatering Record Drawings	FR				Wharton-Smith
02300-001	Ground Improvements - BNR Tanks	FR	7/27/2023		SUBMITTED-UNDER REVIEW	GeoTek
02300-002	Records (Existing Conditions)	FR				Wharton-Smith
02300-003	Testing Agency Invoices	FR				Wharton-Smith
02305-001	Material Test Reports (Soil)	FR				Wharton-Smith
02305-002	Records (Existing Conditions)	FI				Wharton-Smith
02370-001	Silt Fence Fabric	FA	3/2/2023	3/17/2023	APPROVED AS NOTED/RESUBMIT OR CONFIRM	Tim-Prep Inc.
02530-001	Gravity Sewer	FA				TBD
02600-001	Filter Point Mat	FA				TBD
02820-001	Chain Link Fences and Gates	FA	4/27/2023	5/31/2023	APPROVED/APPROVED AS NOTED	All-Florida Fence
02920-001	Seeding and Sodding	FA				TBD
03100-001	Concrete Formwork and Accessories Product Data	FA				TBD
03200-001	Concrete Reinforcement - BNR	FA	4/11/2023	5/5/2023	APPROVED/APPROVED AS NOTED	Trinity
03200-002	Concrete Reinforcement - CC Tanks	FA	4/11/2023	5/18/2023	APPROVED/APPROVED AS NOTED	Trinity
03200-003	Concrete Reinforcement - Chemical Storage	FA	4/11/2023	5/11/2023	APPROVED/APPROVED AS NOTED	Trinity
03200-004	Concrete Reinforcement - Electrical Building	FA	4/21/2023	5/24/2023	APPROVED/APPROVED AS NOTED	Trinity
03200-005	Concrete Reinforcement - Influent Pump Station	FA	4/24/2023	5/25/2023	APPROVED/APPROVED AS NOTED	Trinity
03200-006	Concrete Reinforcement - Leachate Tanks	FA	4/24/2023	5/25/2023	APPROVED/APPROVED AS NOTED	Trinity
03200-007	Concrete Reinforcement - CC Tanks Walls & Top Slab	FA	5/11/2023	5/31/2023	APPROVED/APPROVED AS NOTED	Trinity

03250-001	Concrete Joints and Joint Accessories	FA	4/7/2023	5/4/2023	APPROVED/APPROVED AS NOTED	WSI
03300-001	Curing Compound	FA	4/7/2023	5/4/2023	APPROVED/APPROVED AS NOTED	WSI
03300-002	Concrete Mix Design	FA	4/10/2023	5/5/2023	REVISE & RESUBMIT	SRM
03300-002A	Concrete Mix Design	FA	5/24/2023	6/29/2023	APPROVED/APPROVED AS NOTED	SRM
03300-002B	Concrete Mix Design	FA	6/30/2023	8/2/2023	APPROVED/APPROVED AS NOTED	SRM
03480-001	Precast Concrete Storm Inlets	FA	2/21/2023	4/7/2023	APPROVED/APPROVED AS NOTED	Tim-Prep Inc.
03480-002	Precast Concrete Manholes	FA	2/23/2023	4/4/2023	APPROVED/APPROVED AS NOTED	OLDCASTLE INFRASTRUCTURE, Ir
03480-003	Precast Wet Wells	FA	2/23/2023	3/17/2023	REVISE & RESUBMIT	OLDCASTLE INFRASTRUCTURE, Ir
03480-003A	Precast Wet Wells	FA	3/31/2023	4/27/2023	APPROVED/APPROVED AS NOTED	OLDCASTLE INFRASTRUCTURE, Ir
03480-004	Precast Storm Sewer Piping	FA	3/2/2023	4/4/2023	APPROVED/APPROVED AS NOTED	Tim-Prep Inc.
03480-005	Precast Concrete MH-104	FA	4/17/2023	4/27/2023	APPROVED/APPROVED AS NOTED	OLDCASTLE INFRASTRUCTURE, I
03480-006	Fiberglass Plant Drain PS Wet Well	FA	6/19/2023	7/18/2023	REVISE & RESUBMIT	Messina & Associates
03490-001	Polymer Concrete Manholes and Pump Stations	FA	-, -,	, -,		TBD
03600-001	Grouting	FA	4/7/2023	5/4/2023	APPROVED/APPROVED AS NOTED	WSI
03610-001	Non-Shrink Epoxy Machinery Grout: Product Data	FA	4/7/2023	5/4/2023	APPROVED/APPROVED AS NOTED	WSI
03930-001	Schedule of Demolition	FA	1772020	57 17 2025		WSI
03930-002	Concrete Bonding	FA				TBD
05500-001	Influent PS Access Hatches	FA	4/27/2023		APPROVED/APPROVED AS NOTED	Hydra Services, Inc.
05500-001A	Influent PS Access Hatches	FA	7/19/2023	7/21/2023	APPROVED/APPROVED AS NOTED	Hydra Services, Inc.
05500-002	Metal Fabrications Shop Drawings	FA	771572025	772172025	ATTROVED AS NOTED	TBD
05520-001	Metal Handrails and Railings	FA				TBD
09900-001	Painting and Coating Product Data	FA				TBD
09900-002	Painting and Coating Surface Preparation Product Data	FA				TBD
09900-003	Paint Color Swatches	FA				ТВД
11000-001	PDPS Packaged Pump Station	FA	7/6/2023	7/21/2023	REVISE & RESUBMIT	Messina & Associates
11214-001	Vertical Turbine Pumps: Internal Recycle Pumps	FA	6/14/2023	7/18/2023	APPROVED/APPROVED AS NOTED	Trillium Flow
11214-002	Vertical Turbine Pumps Product Data	FA	0,, _0_0	., _0, _0_0		TBD
11214-003	Vertical Turbine Pumps Testing Procedures	FI				TBD
11220-001	Submersible Mixer Shop Drawings	FA				TBD
11220-002	Submersible Mixer Product Data	FA				TBD
11220-003	Submersible Mixer Test Reports	FR				TBD
11260-001	Chemical Metering Pumps and Skids	FA	5/23/2023	6/30/2023	REVISE & RESUBMIT	Lutz-JESCO
11331-001	Drum Screens and Conveyor Compactor	FA	4/19/2023	5/17/2023	APPROVED/APPROVED AS NOTED	SAVECO North America, Inc.
11355-001	IR End-Suction Non-Clog Centrifugal Pumps Shop Drawings	FA	5/24/2023	7/13/2023	REVISE & RESUBMIT	Trillium Flow
11355-002	EQ End-Suction Non-Clog Centrifugal Pumps Shop Drawings	FA	5/24/2023	7/13/2023	REVISE & RESUBMIT	Trillium Flow
11356-001	Progressing Cavity Pumps	FA	5/5/2023	6/15/2023	REVISE & RESUBMIT	DXP/Netsch
11356-001A	Progressing Cavity Pumps	FA	7/19723	8/2/2023	APPROVED/APPROVED AS NOTED	DXP/Netsch
11378-001	Positive Displacement Blowers Shop Drawings	FA	5/19/2023	6/15/2023	APPROVED AS NOTED/RESUBMIT OR CONFIRM	Universal Blowers
11378-001A	Positive Displacement Blowers	FA	8/2/2023		SUBMITTED-UNDER REVIEW	Universal Blowers
11390-001	BNR Package Plant	FA	6/8/2023	7/6/2023	APPROVED AS NOTED/RESUBMIT OR CONFIRM	Evoqua
11390-001A	BNR Package Plant	FA	7/27/2023		SUBMITTED-UNDER REVIEW	Evoqua
11390-002	BNR Package Plant Final Coatings	FA	6/23/2023	7/24/2023	APPROVED/APPROVED AS NOTED	Evoqua
11535-001	Submersible Pumps/Mixer - Influent PS	FA	6/2/2023	8/3/2023	REVISE & RESUBMIT	Hydra Services, Inc.
11535-002	Submersible Pumps - Reject PS	FA	6/9/2023	7/21/2023	REVISE & RESUBMIT	Hydra Services, Inc.
11550-001	Coarse-Bubble Diffusers - Leachate Tanks	FA	5/26/2023	6/16/2023	APPROVED AS NOTED/RESUBMIT OR CONFIRM	SSI Aeration, Inc.
11550-001A	Coarse-Bubble Diffusers - Leachate Tanks	FA	7/27/2023	8/2/2023	APPROVED/APPROVED AS NOTED	SSI Aeration, Inc.
11551-001	Fine-Bubble Diffusers - Aeration Basin & Aerobic Digester	FA	6/12/2023	7/21/2023	APPROVED AS NOTED/RESUBMIT OR CONFIRM	SSI Aeration, Inc.
11600-001	Laboratory Equipment Shop Drawings and instructions	FA	. , -			TBD
11605-001	Composite Sampling Equipment	FA				TBD
13060-001	Fiber Optic Cabling	FA				TBD

		5/23/2023	6/16/2023	REVISE & RESUBMIT	Concrete Modular
Pre-Engineered Metal Building - Chemical Storage	FA	6/1/2023	7/28/2023	APPROVED/APPROVED AS NOTED	Brevard Constructors
Mobile Office/Lab Trailer - Plans/Specs	FA				TBD
Programmable Logic Controller Panels	FA	7/27/2023		SUBMITTED-UNDER REVIEW	Rocha
Glass-Fused-To-Steel Liquid Storage Tanks	FA	4/19/2023	5/17/2023	APPROVED/APPROVED AS NOTED	Florida Aquastore
Sodium Hypo Tanks	FA				TBD
Plant Monitoring and Control System Training Plan	FI				Rocha
Fiber Optic Communication Subsystem (FOCS) Cable Schedule	FI				Rocha
FOCS Component Product Data	FA				Rocha
Process Control System (PCS) Testing Plans	FI				Rocha
Process Control System Instrumentation	FA				TBD
PCS Field Instruments	FA				Rocha
PCS Control Panels, Consoles, and Cabinets	FA				Rocha
PCS Field Wiring and Piping Diagrams	FA				Rocha
PCS Operator Interface Graphics Layout	FA				Rocha
Plant Monitoring and Control System	FA				Rocha
PCS I/O Identification and Data	FA				Rocha
Preliminary Software Documentation	FA				Rocha
System Software Documentation	FA				Rocha
HMI Screens	FA				Rocha
PCS Shipping, Handling, Storage, Installation, and Start-up Instructions	FI				Rocha
	FA	6/19/2023	7/18/2023	REVISE & RESUBMIT	MFG Construction Product
	FA				MFG Construction Product
	FA		5/31/2023		Core & Main
					Statiflo
					Ferguson Waterworks
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					TBD
		3/30/2023	5/2/2023	APPROVED/APPROVED AS NOTED	Core & Main
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					TBD
		5/30/2023	6/16/2023	APPROVED/APPROVED AS NOTED	RW Gate
		575672625	0/10/2020		TBD
					TBD
					TBD
		3/28/2023	4/25/2023	APPROVED AS NOTED/RESURMIT OR CONFIRM	Core & Main
		572672025	4/23/2023		TBD
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					Core & Main
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HDPE Pipe Fittings and Adapters	FA	3/30/2023	E / 1 / 10 1 1	APPROVED/APPROVED AS NOTED	Core U Main
	Mobile Office/Lab Trailer - Plans/Specs         Programmable Logic Controller Panels         Glass-Fused-To-Steel Liquid Storage Tanks         Sodium Hypo Tanks         Plant Monitoring and Control System Training Plan         Fiber Optic Communication Subsystem (FOCS) Cable Schedule         FOCS Component Product Data         Process Control System Instrumentation         PCS Field Instruments         PCS Control Panels, Consoles, and Cabinets         PCS Field Wiring and Piping Diagrams         PCS Operator Interface Graphics Layout         Plant Monitoring and Control System         PCS I/O Identification and Data         Preliminary Software Documentation	Mobile Office/Lab Trailer - Plans/Specs     FA       Programmable Logic Controller Panels     FA       Glass-Fused-To-Steel Liquid Storage Tanks     FA       Sodium Hypo Tanks     FA       Plant Monitoring and Control System Training Plan     FI       Fiber Optic Communication Subsystem (FCS) Cable Schedule     FI       Process Control System (PCS) Testing Plans     FI       Process Control System (PCS) Testing Plans     FA       Process Control System Instrumentation     FA       PCS Component Product Data     FA       Process Control System Instrumentation     FA       PCS Control Panels, Consoles, and Cabinets     FA       PCS Operator Interface Graphics Layout     FA       PCS Operator Interface Graphics Layout     FA       PCS I/O Identification and Data     FA       PCS Shipping, Handling, Storage, Installation, and Start-up Instructions     FI       PCS Shipping, Handling, Storage, Tankallation, and Start-up Instructions     FA       PCS Shipping, Handling, Storage, Tankallation, and Start-up Instructions     FA       Preshall Flume     FA       Parshall Flume     FA       Parshall Flume     FA       Phyce Mangers and Supports     FA       Phyle Hangers and Supports     FA       Phyle Hangers and Supports     FA       Phyle Hangers and Supports	Mobile Office/Lab Trailer - Plans/Specs     FA       Programmable Logic Controller Penels     FA       Olas-Fued-To Steel Liquid Storage Tanks     FA       Algo and Control System (FA)     FA       Plant Monitoring and Control System (FA)     FI       Fiber Optic Communication Subsystem (FOCS) Cable Schedule     FI       Process Control System (FOCS) Cable Schedule     FI       Process Control System (FOCS) Cable Schedule     FI       Process Control System (FOCS) Testing Plans     FI       Process Control System (FOCS) Testing Plans     FA       PCS Field Instrumentation     FA       PCS Control Panels, Concoles, and Cabinets     FA       PCS Operator Interface Graphics Layout     FA       PCS Control Panels, Concoles, and Cabinets     FA       PCS Operator Interface Graphics Layout     FA       PCS Operator Interface Graphics Layout     FA       PCS Schipping, Handling, Storage, Installation, and Start-up Instructions     FI       Parshall Flume     FA       Parshall Flume     FA       Parshall Flume     FA       VES Shipping, Handling, Storage, Installation, and Start-up Instructions     FI       Parshall Flume     FA       Parshall Flume     FA       Macc     FA       Misc. Mechanical     FA       HVAC     FA	Mobile Office/Lab Trailer - Planx/Specs         FA         7/27/2023           Programmable Lagic Controller Panels         FA         7/27/2023           Glass-Fused To Steel Lugid Storage Tanks         FA         4/19/2023         5/11/2023           Sodium Hypo Tanks         FA         4/19/2023         5/11/2023           Plant Monitoring and Control System Training Plan         FI             Fiber Optic Communication Subsystem (FCOS) Cable Schedule         FI             Process Control System Training Plan         FI             Process Control System Tisstumentation         FA             PCS Field Instrumentation         FA             PCS Stoptoring and Control System Training Plans         FA             PCS Field Instrumentation         FA              PCS Scoperator Interface Graphics Layout         FA              PCS Scoperator Interface Graphics Layout         FA              Plant Monitoring and Control System         FA              PCS Shippling, Handing, Stoptore, Installation, and Start-up Instructions         FA	Models Office/Lat Trailer Jamu/SprosFACHCHProgrammable doc Controls ParksFA777203SUBUTTO LARGE RAYONGlast-Inset-To-Stel Ligid Storage TanksFA4/19/20235/17/2023APRENCED/APRENCED AS NOTEDSolom Type TankFAFASUBUTTO LARGE RAYONFAPlant Montoring and Control System Training PlanFAIIIProcess Control Sologer Products StatuFAIIIProcess Control System InstrumentationFAIIIProcess Control System InstructionsFAIIIProcess Control System InstructionsFAI <t< td=""></t<>

15150-001	Sanitary Waste and Vent Piping	FA				Core & Main
15155-001	Ductile Iron Pipe and Fittings	FA	2/2/2023	2/16/2023	APPROVED/APPROVED AS NOTED	Core & Main
15155-001A	Ductile Iron Pipe and Fittings	FA	3/30/2023	4/28/2023	APPROVED/APPROVED AS NOTED	Core & Main
15155-002	Mechanical Restraints	FA	3/28/2023	4/27/2023	APPROVED AS NOTED/RESUBMIT OR CONFIRM	Core & Main
15155-003	Nuts and Bolts for DI Pipe and Fittings	FA	3/30/2023	5/2/2023	APPROVED/APPROVED AS NOTED	Core & Main
15155-004	Flanged Fittings and Adapters	FA	7/19/2023	8/2/2023	APPROVED/APPROVED AS NOTED	Core & Main
15250-001	Small-Diameter Piping	FA				Core & Main
15276-001	Stainless Steel Pipe Materials List	FI				TBD
15276-002	Stainless Steel Pipe	FA				Core & Main
15285-001	PVC Drainage Piping and Fittings	FA	2/2/2023	2/16/2023	APPROVED/APPROVED AS NOTED	Core & Main
15285-001A	PVC Drainage Piping and Fittings	FA	3/30/2023	4/28/2023	APPROVED/APPROVED AS NOTED	Core & Main
15290-001	PVC Pipe, 3 Inches and Smaller	FA				Core & Main
15291-001	PVC Pressure Pipe and Fittings	FA	2/2/2023	2/16/2023	APPROVED/APPROVED AS NOTED	Core & Main
15291-001A	PVC Pressure Pipe and Fittings	FA	3/30/2023	5/2/2023	APPROVED/APPROVED AS NOTED	Core & Main
15294-001	CPVC Waste Drainpipe, 4 Inches and Smaller	FA				Core & Main
16000-001	General Electrical	FA	3/23/2023	4/19/2023	APPROVED/APPROVED AS NOTED	Cogburn
16000-002	Dry Type Transformers	FA	3/28/2023	4/19/2023	APPROVED/APPROVED AS NOTED	Cogburn
16000-003	Low-Voltage Switchboards	FA	3/28/2023	4/19/2023	APPROVED/APPROVED AS NOTED	Cogburn
16060-001	Power Distribution System Coordination Study	FR				Cogburn
16110-001	Raceways and Fittings	FA				Cogburn
16130-001	Junction, Pull, and Service Boxes	FA				Cogburn
16140-001	Push Button Devices	FA	4/11/2023	5/4/2023	APPROVED/APPROVED AS NOTED	Cogburn
16150-001	Electric Motors	FA				Cogburn
16160-001	Panelboards	FA	3/28/2023	4/19/2023	APPROVED/APPROVED AS NOTED	Cogburn
16170-001	Safety Switches	FA	3/28/2023	4/19/2023	APPROVED/APPROVED AS NOTED	Cogburn
16216-001	Diesel Engine Driven Generator	FA	1/20/2023	1/26/2023	APPROVED/APPROVED AS NOTED	RING POWER
16250-001	Automatic Transfer Switch	FA	3/28/2023	4/19/2023	APPROVED/APPROVED AS NOTED	Cogburn
16402-001	Electrical Pull Boxes	FA	3/24/2023	4/19/2023	APPROVED/APPROVED AS NOTED	Cogburn
16450-001	Grounding System	FA				Cogburn
16500-001	Lighting System	FA	3/23/2023	4/19/2023	REVISE & RESUBMIT	Cogburn
16500-001A	Lighting System	FA	6/20/2023	7/24/2023	APPROVED/APPROVED AS NOTED	Cogburn
16601-001	Lightning Protection System	FA	4/18/2023	5/4/2023	APPROVED/APPROVED AS NOTED	Cogburn
16921-001	Surge Protective Devices	FA	3/28/2023	4/19/2023	APPROVED/APPROVED AS NOTED	Cogburn
16921-002	480-Volt Motor Control Centers	FA	5/22/2023	6/24/2023	APPROVED/APPROVED AS NOTED	Cogburn
16921-003	Combo FVNR Starters	FA	5/22/2023	6/6/2023	APPROVED/APPROVED AS NOTED	Cogburn

RFI #	INITIATED BY	DESCRIPTION	DATE RECEIVED	DATE SUBMITTED	DATE RETURNED	CURRENT STATUS	Notes	
001	Jose Romero	Evoqua Performance Testing	3/9/2023	3/9/2023	3/24/2023	Answered	Submitted performance testing document is insufficient and will require additional correspondance	"Attached is the resolution assoc acceptable."
002	Jose Romero	Potable Water piping Elimination	3/14/2023	3/14/2023	4/3/2023	Answered	Accepted. Clarify with EOR on direction of water service and backflow shift. The dead end still requires a fire hydrant oe blow-off for flushing purposes.	To reflect commof the second hy accordingly.
003	Jose Romero	VTP Witnessed Testing	3/14/2023	3/14/2023	3/24/2023	Answered	Factory witnessed testing requirements for VTP's has been removed	The requiremen was removed as pumps.
004	Jose Romero	CCC Drain Elimination	3/14/2023	3/14/2023	4/3/2023	Answered	<ul> <li>(4/3/23) - 4 sumps will be necessary. 2 at influent, 2 at effluent. Pumps to be provided by contractor. Pump-out connection recommended.</li> <li>Requires additional correspondance.</li> <li>(4/13/23) - 1. An alternative proposal for Chlorine Contact Tank</li> <li>(CCT) drains is provided herein that allows the use of the package plant drain pump station installed at the shallower depth. The CCT will be used for the current 0.5 MGD WWTF expansion and for both facilities, it is a critical unit treatment process that needs to meet</li> <li>Class I reliability requirements in accordance with best management practices and FDEP guidelines. The suggested</li> <li>revisions will allow plant operations to easily, and completely drain CCT structure for routine cleaning and maintenance or following a plant upset</li> <li>event and put it back into operation within a reasonable timeframe per rule to meet discharge permit requirements. See attached drawing markups.</li> <li>2. Drains are not required for both flow meters near the CCT. The piping layout allows flow to bypass meter if it requires removal for replacement and temporary final effluent containment vessels can be used by Owner when performing maintenance on the flow meters.</li> </ul>	Drains associate (2) - 2'x'2'x2' sui
005	Jose Romero	Coating Modifications	3/14/2023	3/14/2023	3/24/2023	Answered	Acknowledged, provide submittals	A deduct has be Williams alterna Below is a sumn 1. Concrete coat 2.The sump in th project continge
006	Jose Romero	Hot Dip Galvanized Supports	3/14/2023	3/14/2023	3/24/2023	Answered	HDG Supports are acceptable	During the value all of the pipe su
007	Jose Romero	Plant Drain and PS Modifications	3/14/2023	3/14/2023	4/19/2023	Answered	<ol> <li>Alternative proposal for gravity drains system to package lift station in accordance with best management practices and FDEP guidelines. See attached drawings.</li> <li>Contractor shall have valves above grade and 6" discharge piping for the PDPS as shown on sheet M15 of the Contract Drawings.</li> <li>Contractor shall submit a new pump design with a maximum total head at primary design condition of 40 feet at 400 GPM due to new invert of the PDPS.</li> <li>MH-103 remains unchanged with regards to depth, diameter, and inverts.</li> <li>MH-104 diameter remains unchanged. East IE is 174.2 with MH-106 removed, North IE is 174.10, and South IE is 175.1 with the alternative proposal. The lowest invert of the manhole is 174.10.</li> <li>Fiberglass PDPS pipe invert elevations for the North and East remained unchanged from the original precast manhole. The South pipe IE is now 173.81 and the PDPS IE is now 166.35.</li> <li>Contractor shall werify the following with the manufacturer for the package pump station:         <ul> <li>a package triplex capable of adding a third future pump as shown in M15 of the Contract Drawings;</li> <li>a package triplex capable of adding a third future pump as shown in M15 of the Contract Drawings;</li> <li>show on the proposed package station drawings a wetwell vent, pipe supports, alarm elevations, link seals, top and bottom concrete slabs, location of aluminum access cover, pipe penetrations with invert elevations, drainage for valve vault, fillet; and</li> <li>buoyancy calculations.</li> <li>Contractor shall use float switches that use wo #19 AWG stranded conductors in accordance with Specification 11535 Section 2.04.A of the Contract Documents.</li> <li>Contractor shall use float switches that use wo #19 AWG stranded conductors in accordance with Specification 11535 Section 2.04.A of the Contract Documents.</li> <li>Contractor shall use float switches that use two</li></ul></li></ol>	During the value 1. Manholes MH 2. The total dept 3. Due to the tot 4. Lift station dis Attached is an e: Please provide ti Packaged lift sta 1. Please provide Manholes MH-1 1. Please provide
008	Jose Romero	Site Light Fixture Changes	3/14/2023	3/14/2023	3/24/2023	Answered	Confirmed that alternate lighting can be submitted for review	During the value proposed modif suggested altern 1. Lithonia RSX s 2. Round tapere

#### **RFI Subject**

the proposed Process Performance Warranty from Evoqua and is intended to clarify the test protocol and dispute sociated with the performance of the Package Plants within Specification Section 11390. Please confirm this is

mments thus far: 500-LF of the potable water line as detailed on drawings C17 and M1 has been eliminated South d hydrant assembly. The water service with back flow assembly and flushing connection will shift North

nent for factory witnessed testing for the vertical turbine pumps as detailed in specification section 11214, 2.05-C d as a way to reduce costs during GMP-1. Please confirm removal of factory witnessed testing for vertical turbine

iated with the chlorine contact tank were eliminated during the value engineering efforts. In lieu of the drains, two ' sumps will be cast into the base of the tank for pump out means.

been accepted by Columbia County to reduce the concrete structures that are coated and to allow for a Sherwinrnate coating to be provided in lieu of Tnemec.

mmarization of the changes:

coatings have been eliminated from the chlorine contact tank and the chemical storage and feed system structure. In the chemical storage and feed systems structure, detailed on drawing S11, will be coated and funded from ngency allowance.

alue engineering process Columbia County agreed to utilize hot dip galvanized steel in lieu of 316 stainless steel fo e supports on the project. Please confirm.

alue engineering process the following cost saving modifications and alternatives were identified:

- MH-105 and MH-106 can be eliminated to reduce cost.
- lepth of the remaining manholes and lift station can be greatly reduced.
- total reduction in system depth, a packaged lift station can be utilized.
- discharge can be run above grade and pad mounted.
- In example of the proposed packaged lift station and a redlined site drawing showing modifications. de the following information and applicable updated drawings:
- station:
- vide size of fiberglass manhole and required invert elevations.
- vide required pump sizing and horsepower.
- H-103 and MH-104:
- vide required diameter, depths, and inverts of manholes.

alue-engineering process, it was proposed that light fixtures could be modified to save cost. Below are the odifications. Please note that sufficient information will be provided during the submittal process for these ternates.

SX series fixtures are proposed for Fixtures C as detailed on drawing E22. See attached cutsheet for reference. Preed aluminum direct burial poles are proposed for Fixture C and D.

009	Jose Romero	Pre-Engineered Fiberglass Building Removal	3/14/2023	3/14/2023	4/3/2023	Answered	<ol> <li>Contractor shall build a high enough wall with deep enough wing-walls on the North side of the bulk storage canopy to protect analyzer equipment from rain and sun exposure from the North, West, and East.</li> <li>Contractor shall use north wall for support and mounting. The analyzer shall face the south side.</li> <li>Contractor shall include a floor drain near the analyzer and provide drainage piping to both samplers and analyzer that does not share the same pipe from the hypochlorite emergency spill drain line as shown on sheet M16 of the contract drawings.</li> <li>Contractor shall provide a details sheet with section view that shows mounting and layout of the new analyzer location and supporting equipment</li> </ol>	During the value eliminated, and t See the attached moved and modi -The influent sam building. -The 6" drain has -The potable wat commercial sink. Lines SA-1 and SA
010	Jose Romero	Sitework Changes - Import Fill	3/14/2023	3/14/2023	4/18/2023	Answered	<ol> <li>Any excess topsoil will be stockpiled in designated area onsite.</li> <li>The ability to use insitu soils in borrow areas will be dependent on requirements of approved sieveanalysis from soil proctors. 3. The grades i the southeast prtion of the plant were modified to form a sheet flow from the edge of the proposed interior plant roadway to the center of the proposed swale that runs along the property line from the east to the west towards the effluent storage pond.</li> <li>We will expand the current pond per the drawing to the extent that the borrow fill is required.</li> <li>The asphalt surface has been deleted in its entirety.</li> <li>Base limerock thickness has been reduced to 6" from 8" where asphalt paving was to take place.</li> <li>We will use strippings for fill in the proposed stormwater pond berms/slopes and other areas that are deemed to be a viable place to disgard it.</li> <li>All fill for the structures/effluent pond/roadways will be structural fill borrowed from onsite as approved.</li> <li>The grades in the middle of the site to the east of the interior plant roadway were modified to form a sheet flow from the edge of the roadway to the centerine of the proposed swale to the east.</li> </ol>	-On the second a graded to cross the other portions of -On the third atta
011	Jose Romero	ABB Gear	3/14/2023	3/14/2023	3/24/2023	Answered	Additional correspondence will be required after short circuit study is completed.	During GMP-1 AE proposing modifi Any necessary ch
012	Jose Romero	Spray Field and Pipe Corridor Easement Documents	3/16/2023	3/16/2023	7/28/2023	Answered	It has come to Jones Edmunds attention that the concerns and requested documentation in "RFI 012 – Spay Field and Pipe Corridor Easement Documents" have been resolved between the Owner, Weyehaeuser and Wharton-Smith. No technical feedback is required from Jones Edmunds a this time.	In accordanc at Columbia Co the surveyor
013	Jose Romero	GMP-1 Value Engineering Summary	3/16/2023	3/16/2023	4/3/2023	Answered	Acknowledged. No exceptions noted.	The intent of this 1. Standard concess structures: MH-1 2. Ribbon curbing 3. A concrete cap reinforced concret the future. See at 4. Valve position in the attached d 5. The reclaimed spray fields as income 6. The potable was
			1	1	1	1		

lue engineering efforts for GMP-1 it was identified that the pre-engineered fiberglass chemical building could be nd the equipment could be placed under the bulk storage canopy.

ned drawing and advise if the proposed bulk storage canopy layout is acceptable. Below are a list of the items odified.

sampler, effluent sampler, analyzer board, and commercial sink have been placed on the west wall of the canopy

has been extended to the Northeast to collect drainage from the commercial sink and effluent sampler. water line tees before it enters the south side of the canopy building and runs to the North to feed the nk.

d SA-2 have been re-routed to enter the West side of the canopy building.

lue engineering efforts for GMP-1 it was proposed that the SWMF pond could be shifted to significantly reduce f imported fill dirt required. The proposed change shifts the pond Northeast towards the Effluent Storage Pond. hed drawing from our site subcontractor for reference of the proposed change.

was evaluated by Moore Bass Consulting, they provided the below comments and concerns. Please provide I revised drawings for this change:

s regraded as shown in the PDF (1st page), the plan will need to be revised to accommodate an access berm ackside (West side) for maintenance vehicles.

nd attached drawing, circled in green and with green arrows indicates where the 20' maintenance access could be oss the swale and run adjacent to the effluent pond. The grading would need to remain at the elevation noted for ns of the maintenance access area around the pond.

attached drawing, circled in red with red arrows indicates how the access berm was accommodated on the gn. Vehicles would have driven down and back up the slope to exit. If there is room to make this slope 10:1 and b underlay for the sloped portion, that would be ideal.

ontractor provided a list of clarifications for items they propose to modify, this can be found on the 4th page of document.

ore Bass evaluated this proposed change and confirmed that this was acceptable.

pervious areas should not be sent to the East because the swale treatment calculations would not hold up to the lume that would be added

ate item #3 and #9 to ensure that the revised grading doesn't create low areas or extensions of the swale that by or lack positive outfall to drain or remain dry.

ABB provided value engineering services to reduce cost on the specified electrical gear for the project by difications to the gear. Please see the attached document with mark-ups documenting their proposed changes. *i* changes that are identified after the short circuit study will be made and funded via a contingency draw.

ance with note 3 on drawing M19, please provide easement(s) documents between County and Weyerhauser with legal description of the easement(s) for us to provide to ror for staking of the pipe corridor and sprayfields.

this RFI is to summarize the changes made during the GMP-1's value-engineering efforts:

oncrete precast with Agru liner is being provided in lieu of polymer precast for the following sewage drainage H-101, 102, 103, 104, influent pump station, and the master sanitary manhole.

bing has been removed, instead, sod will be utilized to stabilize edge of roadways. See attached drawing C12.

cap will be provided over all electrical ductbanks in lieu of fully encased ductbanks. The cap will be 4" nonncrete, red powder will be placed on the concrete caps during the curing process to allow for safe identification in e attached document for clarity.

on indicators have been removed from valves. In lieu of valve indicators, valve boxes will be installed as detailed d document on drawing M35, detail 4.

ed water piping diameter has been reduced from 12" to 8" from the effluent of the chlorine contact tanks to the indicated on drawing M18.

e water main from Highway 90 into the plant has been reduced from 8" to 6" diameter.

-			- 1		T		T	- I
014	Jose Romero	Spray Field Clarifications	4/11/2023	4/11/2023	5/18/2023	Answered	<ol> <li>Contractor will not damage, remove, or trim trees on any adjacent lands without prior consent. The spray field are not to be clear cut, and piping is to be laid in between tree rows. It is understood that some trees may need to be removed for equipment installation, but Contractor shall coordinate with Weyerhaeuser to potentially harvest/salvage these trees in lieu of removal by Contractor.</li> <li>The proposed zones B, E, and D have less combined acreage than the original Zones A, C, and E. Additionally, the current monitoring well layout would not capture flow from Zone D and B and the intermediate well MWI-2S is in a future zone and would be better constructed at the zone being constructed in this phase. Jones Edmunds will coordinate a revised map with FDEP explaining the proposed adjustments to design. If they agree, coordinates will be provided to Wharton Smith. This item will need to be addressed in a future RFI.</li> <li>Installing RCW-3 on grade between the plant and spray fields may be coordinated, if approved by Weyerhaeuser and the Correctional Facility Staff and piping is not obstructing roadway or access to the roadway. Weyerhaeuser requires that their vehicles have unrestricted access to any land adjacent to the road, especially in case of emergency pursuit. As discussed in construction progress meetings, Wharton Smith will bury the 8-inch pipe east of the correctional facility to prevent obstruction on anything that would be in Weyerhaeuser's travel area.</li> </ol>	During the Value designated as ful trees based on o intended nor per both heavily ove To minimize the In addition, due 1 between the plan would need to bu Attached are dra To summarize, p 1. The spray field acceptable. 2. Installing spray Drawing M19 as 3. Installing RCW at the high point pipe. Please advise if a
015	Jose Romero	Spray Field Monitoring Wells	4/11/2023	4/11/2023		In-Progress		Note 1 on Drawi MWC-4S). Please Note 7 indicates Piezometer. Plea for when these c Please confirm n Attached is a ma
016	Travis Cassella	BNR Tank Outer Wall Inside Diameter	4/14/2023	4/14/2023	4/21/2023	Answered	81' diameter is correct.	Drawings M8 and 11390.2.01.C.4 c outside tank wal Please confirm tl
017	Travis Cassella	8in EQ-1 Routing	4/17/2023	4/17/2023	4/21/2023	Answered	Installing the 8" EQ-1 line closer to the CCC as proposed in red by the Contractor on drawing M11 has been noted and is approved. The 8" EQ-1 flow meter station is intended to be directly adjacent to the 12" RCW-1 flow meter station. Access to either flow meter is maintained with the bypass piping installed below grade. The 8" EQ-1 flow meter station can be offset to the East as necessary to provide space between flow meter and the corner of the CCC. See drawings in RFI folder.	Drawing M3 and shown on drawin line and that this with the routing
018	Travis Cassella	20in RCW-1 Routing	4/17/2023	4/17/2023	4/21/2023	Answered	Re-route accepted. See drawings in RFI folder.	The invert elevat this line being ra DIPS HDPE DR-17 would be less or re-route. Please cap, etc.).
019	Travis Cassella	BNR Centerline Dimension	4/21/2023	4/21/2023	5/8/2023	Answered	NORTHEN BNR TANK TO BE SHIFTED HORIZONTALY NORTH BY 4'2" TO CREATE 105' 0" OF CENTERLINE SEPARATION BETWEEN BNR TANKS. PADS, PUMPS, BLOWERS, PIPES AND OTHER SUPPORTING EQUIPMENT IN CLOSE PROXIMITY SHALL BE SHIFTED WITH NORTHERN BNR PLANT. PIPES IN AND OUT OF NORTHERN BNR AND FOR SUPPORTING EQUIPOMENT SHALL BE EXTENDED ONLY IN THEIR STRAIGHT HORIZONTAL RUNS WHEN POSSIBLE TO MINIMIZE CHANGES TO ANGLED FITTINGS. 2" PW-1 ROUTING TO REMAIN UNCHANGED.	Please confirm c
020	Travis Cassella	FPL Electrical Easement	4/21/2023	4/21/2023	5/8/2023	Answered	The future force main can be shifted East to satisfy FPL's requests. FPL must stay within the 30-foot utility easement, or additional landowner coordination will be necessary.	FPL has provided 1. FPL requires the eliminate the ne 2. FPL requires a 3. Conduits shall 4. Pull boxes sha Please provide c
021	Travis Cassella	Fine Bubble Diffuser SCFM	4/24/2023	4/24/2023	5/8/2023	Answered	Addendum 1 section 2.01.B.1.c and 2.01.B.4.b are correct. Each Aerobic Digester Basin within a Package Plant requires 217 fine-bubble diffusers, each capable of 1.50 SCFM, totaling 325 SCFM.	Please confirm t
022	Travis Cassella	CAD Files Discrepancy	4/25/2023	4/25/2023	5/8/2023	Answered	CAD files XR001-C-BLDG-SITE and XR001-C-YP-VE are correct. CAD file T3134.0001is a Moore Bass file that needs to be aligned to the correct CAD files previously provided. 2. See attached CAD files for northings and eastings.	Discrepancies ha coordinates in th west of where th Please verify whi
023	Jose Romero	Safety Interlocks	5/2/2023	5/2/2023	5/11/2023	Answered	Safety Interlocks are not required.	<ol> <li>1.) There are cur MCC-and the tie</li> <li>2.) There are cur Please advise if s</li> </ol>
				-		-		

alue Engineering process, the sprayfield scope was reduced to only include Zones A, C and E with the rest being s future. The installation of the spray fields themselves, as detailed, are to be installed on grade between rows of on our understanding (awaiting RFI#012 response) that the complete clearing of the sprayfield areas is not r permitted by the land owner. Upon further site investigation with this understanding in mind, Zones A and C are overgrown and would require a significant amount of clearing that was not captured as part of the GMP provided. the additional clearing work needed, we propose installing Zone B and Zone D in lieu of Zone A and Zone C.

ue to the unidentified site conditions within the RCW-3 right of way, we are proposing to install the 8" RCW-3 plant and spray field areas on grade for ease of access and maintenance as well as eliminate additional work that o be added to GMP-3.

drawings detailing the items captures in this RFI.

, please confirm the following:

ields are not to be clear cut and the spray field headers are to be intalled between rows of planted trees is

pray field zones B (in lieu of A), E, and D (in lieu of C) in as close to conforming with sprayfied detail for Zone E on 9 as possible is acceptable.

tCW-3 between the plant and spray field area on grade is acceptable. Air/Vacuum relief valve would be installed points, at least every 1,500LF, and precast concrete saddles would be installed, at a given spacing, to secure the

if a coordination meeting would be beneficial for all stakeholders to discuss.

wing M18 indicates there are four (4) new monitoring wells to be installed (MWB-1AS, MWI-2S, MWC-3S, and ase provide northings and eastings for these proposed monitoring wells.

es two (2) existing piezometer are to be grout filled. Please confirm these are B-2 Piezometer and B-4 lease provide northings and eastings for these piezometers. Please confirm if there are any schedule constraints e can be grout filled.

n no action is needed for B-1, B-3, and B-5.

markup of the drawings to clarify our understanding.

and S5-Detail A, show the inside diameter dimension of the BNR tank outer wall as 80'-6". Specification section ...4 calls for an overall tank diameter of 81'. Evoqua's design is based on an 81'0" inside diameter for the BNR wall.

m that the 81'0" inside diameter dimension is correct.

nd M11 have different routings shown for the 8in EQ-1 line. Please confirm the intent for this line is the routing wing M3, and note the 8-in EQ-1 line will be installed inside (closer to the CCC as shown on M11) of the 8" RCW-1 his is different than what is shown on M3. Please also identify where the 8" EQ-1 flow meter station is intended ng on M3.

evation of the 20" RCW-1 is at EL. 177.0 per Drawings M12 and CD07. The routing of this line on Drawing M3 has g ran where the finish grade elevation is falling from EL. 180 to EL. 179 and as low as EL. 177 in the berm. With 20' R-17 pipe having an OD of 21.6 inches, this line will only have +/- 14.5 inches of cover in the EL. 180 areas and s or exposed in some areas of the berm as currently drawn. To maximize cover, please see the attached proposed ase advise if there are any other protection means needed for this shallow bury pipe (i.e. encasement, concrete

centerline dimension between the two BNR tanks.

ded preliminary comments regarding their needs for the electrical easement.

s the electrical easement to be shifted from the East side of the utility easement to the West side. This will need to modify pull boxes in the future once the new roadway swale is constructed.

es a 10' wide electrical easement.

nall be direct buried from Highway 90 to FPL supplied transformer.

shall be installed every 700 LF along the conduit run.

e confirmation that the future force main can be shifted East to satisfy FPL's requests

n the intended SCFM per digester basin.

s have been found between the "YP" and "Base" CAD files. While preparing to layout the influent box structure n the field, our surveyor found that the "XR001-C-YP-VE" drawing lays out the yard piping approximately 5.3 LF re the base file lays these structures and pipelines out.

which files are correct and provide updated CAD files to correct this issue.

currently no mechanical safety interlocks (Kirk Locks) called for the switchboard breakers feeding MCC-1 and tie breaker between MCC-1 and MCC-2. Please advise if safety interlocks are to be added for operator safety.

currently no mechanical safety interlocks (Kirk Locks) called out for the MCC-3 and MCC-4 main and tie breakers. if safety interlocks are to be added for operator safety.

024	Jose Romero	BNR Slab Anchor Embedment	5/12/2023	5/12/2023	5/26/2023	Answered	The proposed anchoring embedment's are not acceptable. Please find attached a recommended detail that can be used at anchor locations. Should other alternatives need to be discussed, we can meet with team to discuss. See RFI Drawings. M:\01Jobs2022\22-114 Columbia County NFMIP WWTP\C-22 RFIs\RFI#024 - BNR Slab Embedment	Evoqua has prov 1.) Submersible i 2.) Aeration Pipe a 2-3/8" embedr 3.) Aeration Pipe 9/16" embedme Please review th shown on sheet
025	Travis Cassella	Telecommunication Conduits	5/22/2023	5/22/2023	5/31/2023	Answered	The Contractor shall follow the telecommunication conduits as indicated on the attached drawing, C16, provided as part of this RFI. The reason is to avoid potential conflict with the proposed installation of the FPL electrical line and telecommunication pull-boxes and due to the proposed future fill materials needed to create berm for roadway swale as indicated on drawing C12. Contractor responsible for following minimum vertical and horizontal separation requirements as defined in details 1 and 2 of drawing CD4.	The site telecom the East side of the Ea
026	Travis Cassella	Plant Drain Pump Station	5/24/2023	5/24/2023	6/6/2023	Answered	The Contractor shall provide Florida-Engineer Signed and Sealed buoyancy calculations with the proposed fiberglass duplex package plant for review and approval.	Please advise if t are to provide co 1. Provide a dup 2. Utilize a fiberg the well in lieu o 3. Provide an alu perimeter of the
027	Jose Romero	Type B Light Fixtures	5/24/2023	5/24/2023	6/8/2023	Answered	Lithonia #ARC2LEDP140KMVOLTDDBXD	Response to Sub (Holophane W40 specify what sty
028	Travis Cassella	Leachate Tank Elevations	6/1/2023	6/1/2023	6/7/2023	Answered	The "Float Level Control Table" on drawing M6 calls out a inish ¢oor elevation for the leachate tanks at elevation 180.75. The response provided to the "Drawing Discrepancy Coordination Document" stated that the slab between the tanks should have a minimum elevation of 181.25. Please conirm it is acceptable to make the inish ¢oor for the Leachate Tanks 181.25 to match the slab between the tanks.	Provide confirma
029	Travis Cassella	Grating Span	6/7/2023	6/7/2023		Answered		PI
030	Travis Cassella	Parshall Flume	6/7/2023	6/7/2023	6/30/2023	Answered	The block out on the Parshall flume effluent is meant to show the wall beyond the section cut. In order for the Parshall flume to work accurately, there is meant to be no obstruction on its effluent side. The opening downstream of the effluent of the Parshall flume should be the full 5.00'x2.83' opening, similar to what the channel will have for the grout and flume. The flume elevation has flexibility so long as there is a rise from the influent box and a free fall without obstruction from the effluent box. The grout may be lessened underneath the flume to allow room for the aluminum grating support.	Clarify eleva
031	Travis Cassella	Chemical Containment Box	6/8/2023	6/8/2023	6/30/2023	Answered	Drawing M32 Detail is correct. Contractor to provide a 4'x4' Chemical Containment Box with depth as required to allow buried chemical to enter the bottom of the box between 6" and 12" from the bottom, and whose top is 8" above finished grade. It is estimated the depth will be between 4'5" and 4'11".	Please provide c Drawing M16 ca Drawing M32 De Please advise on
032	Travis Cassella	BNR Slab Thickness	6/12/2023	6/12/2023	6/26/2023	Answered	<ol> <li>We need loading on channels under all straight walls to confirm details marked in this submittal. This can be done in coordination meeting.</li> <li>Refer to attached mark-up. See RFI Drawings</li> </ol>	
033	Travis Cassella	Greenstreak Waterstop	6/19/2023	6/19/2023	6/19/2023	Answered	Use the 6" PVC Waterstop Model 732	
034	Travis Cassella	Alternate Sampler	6/20/2023	6/20/2023	7/28/2023	Answered	The proposed Teledyne Model 5800 Refrigerated Sampler in lieu of the specified Teledyne Model 6712 Refrigerated Sampler is acceptable.	
035	Travis Cassella	Combo FVNR Starters Clarification	6/27/2023	6/27/2023	7/21/2023	Answered	Please replace with maintained on/off switch	

rovided preliminary anchor bolt locations and sizing for the BNR Foundation. See below for summary:

ble mixers: Evoqua proposes to use 5/8"x5" wedge anchors. The anchors will have a 3-1/2" embedment.

Pipe Supports (Method 1 – Preferred): Evoqua proposes to drill and epoxy 3/8" all thread rods. The rods will have vedment.

Pipe Supports (Method 2 – Alternate): Evoqua proposes to use 3/8" drop-in anchors. The anchors will have a 1dment.

w the attached and advise if the proposed embedments and methods are acceptable for the 5-1/2" base slab as eet S5.

ommunication conduits are shown on the West side of the plant entrance road on drawing C16 but are shown on of the road on drawing E03:

irm the conduits are to be routed on the West side of the road per drawing C16.

irm it is acceptable to install the conduits between the 10' FPL easement and the 6" force main as shown in the ving.

: if the following modifications to the plant drain pump station are acceptable. The intent of these modifications e cost saving for Columbia County. They have been previously reviewed and accepted by Columbia County.

uplex packaged station in lieu of a triplex as noted in RFI#007 response.

perglass basin with a fiberglass bottom, additional 57 stone (2' total), and a concrete ballast around the base of the required concrete bottom slab.

a aluminum lid on the pump station, install concrete slab around aluminum lid, and protective bollards along the the concrete slab to protect from vehicular traffic.

Submittal 16500-001 – Lighting System states "Type B wall mounted fixtures to be full cutoff." Fixture B V4GLED) shown on sheet E22 lighting fixture schedule is not full cutoff – it has a BUG rating of 0-3-3. Please style wallpack is needed for this fixture.

rmation on Leachate Tank finsih floor elevation.

Please advise if the attached grating detail is acceptable to use for sizing aluminum grating depth.

evation or block out requirement on effluent side of parshall flume. Provide elevation for top of flume (below embedded angle).

e clarification regarding the Chemical Containment Box.

calls out a 2'x2' Chemical Containment Box with a depth 3.4' below grade.

Detail 6 calls out a 4'x4' Chemical Containment Box with no specific depth below grade.

on the dimensions and provide elevations of the chemical containment box at the chemical storage building.

Please provide updated drawing S5 detailing required slab thickness.

Please advise if the Greenstreak waterstop is acceptable.

Please advise if the alternate sampler is acceptable.

Please provide clarification on the engineer's submittal comment #1

036	Travis Cassella	CCT Gate Elevations	7/3/2023	7/3/2023	7/28/2023	Answered	<ol> <li>It is correct that a concrete wall is intended in accordance with the M-Drawings. The concrete walls below the two gates just south of the Parshall Flume should be 12" thick reinforced with #5 vertical each face @ 6" o.c., coinciding with the first submittal Detail-10. The horizontal reinforcing should be #5 @ 8" o.c. to match the adjacent perpendicular wall to the north of the gates. Top of Concrete elevation should be approximately 181.00 (field adjust as needed for gate coverage/overlap).</li> <li>Gates should be 4'x4' with top elevation when closed of approximately 185.00 (field adjust as needed for gate coverage/overlap with concrete opening). Design intent is when gate is closed, it will completely isolate/obstruct flow from going downstream to channel, but if an emergency overflow occurred, flow would spill over top of closed gate before spilling over tank walls to the outside.</li> </ol>	
037	Jose Romero	8in EQ-1 Routing	7/6/2023	7/6/2023	7/28/2023	Answered	The proposed location and orientation are acceptable, but accessibility to the Chlorine Contact Tanks' stairs must always be maintained.	
038	Travis Cassella	Sampling Pumps	7/25/2023	7/25/2023	7/28/2023	Answered	Alternate sampling pumps not accpetable. Sampling pumps shall have a flow rate of 5-10 GPM	Please advise if SS. The The pumps wo
039	Travis Cassella	Influent Composite Sampler Lacation	7/25/2023	7/25/2023	7/28/2023	Answered	Composite sampler cannot sample flow from EQ basin.	Our I&C subcon the screened fl that the 1" sam The composite Additional coor on th
040	Travis Cassella	Stormwater Pond Extension	7/26/2023	7/26/2023	8/1/2023	Answered	<ol> <li>Please find the attached email and markup, which were coordinated during the VE coordination with Wharton Smith's bidding team. The allowed layout accounted for the future structures intended in that area. The proposed extension will directly impact both the egress and the foundational support of those proposed structures.</li> <li>The water management district handbook allows the permanent pool to be as deep as 12 feet in this pond. The current design is estimated near 5.5' deep between normal water elevation and pond bottom (permanent pool), so additional excavation is allowed to acquire remaining fill. The handbook mentions pond slope requirement as 4 to 1 and doesn't distinguish between slopes above or below the nromal water elevation.</li> </ol>	As indicated in The extension of
041	Travis Cassella	Inlet S-4 Modification	7/25/2023	7/25/2023	7/28/2023	Answered	Modification not acceptable, inlet was designed to be above ditch bottom.	Storm inlet stru Please see the
042	Travis Cassella	BNR Instrument Transmitter Assembly	7/26/2023	7/26/2023	8/2/2023	Answered	Due to the questions provided in RFI 042 (BNR Instrument Transmitter Assembly) are related to RFI039 (Influen Composite Sampler Location), please refer to response provided for RFI 039	This RFI is If the infli- transmitter, assembly woul See the attache could be sir
043	Travis Cassella	EQ Pump Motor Service Factor	7/26/2023	7/26/2023		In-Progress		Our EQ Pump v Centrifuga Our pump vend

#### Please provide CCT top of gate elevations for G-1 and G-2

Please advise if location and orientation of 8in flow meter station is acceptable.

e if the attached Little Giant sampling pumps are acceptable for use in lieu of the specified Grundfos Model JP05-These pumps are capable of 1-3 GPM flow rate which is sufficient for feeding the chlorine analyzer panel.

would be fed by a waterproof 120VAC switch above the chamber; this would allow for the starters in the MCC to be spared. See attached marked-up drawings for reference.

ontractor has recommended that the composite sampler be relocated between the BNR tanks to take samples of I flow in the EQ basins. The associated conductivity probe would also be moved with the sampler. The concern is mpling line from the influent pump station to the chemical storage building (housing the composite sampler) will become clogged with rags and require frequent maintenance.

ite sampler comes with its own peristaltic pump and will lift up to 28 feet. This would eliminate the need for the sampling pump at the influent pump station and allow for its starter in the MCC to be spared.

bordination would be required for the specific location of the sampler. If there is enough space it could be placed the platform near the drum screens, if not, it would need to be placed on the slab between the tanks. Please advise if this proposed change is acceptable.

d in RFI#010's response, the need to re-size the pond to generate enough fill material to mitigate importing is now required. Please see the attached proposed extension of the stormwater pond.

n of the pond will be along the East bank of the pond as shown in the attached drawings. All required pond sloping will be maintained and storm inlet and MES's will shift East accordingly.

Please confirm this is acceptable.

tructure S-4 has a grate elevation of 182.00, the surround grade is 181.00. Due to the grate being higher than the surrounding grade, water is accumulating around the structure instead of draining.

he attached documents and advise if it is acceptable to cut a window into the East side of the structure to allow water to drain into the structure.

I is being submitted to provide supplemental information for RFI#039-Influent Composite Sampler Location.

nfluent composite sampler is relocated between the BNR tanks as proposed in RFI#039, an instrumentation er/surge/sunshield assembly would need to be mounted on the platform between the tanks. The transmitter buld host the two DO probes and the conductivity probe that are currently designed to be housed in the analyzer board assembly, detailed on drawing M32-Detail 1.

ched sketch of the proposed transmitter assembly: The assembly with sunshield would be 24" wide x 36" tall and e single pole stanchion mounted. The assembly would require a 120VAC feed and a fiber run to the PLC panel.

Please confirm this instrument transmitter assembly and its proposed location are acceptable.

p vendor has requested an exception to submittal review comment #15 on submittal #: 11355-002- EQ Non-Clog gal Pump. The requested exception is to allow for a Motor Service Factor of 1.0 in lieu of the specified 1.15. ndors motor provider has stated that due to the low RPM's of the motor, a service factor of 1.15 would generate too much heat.

Please review this request and advise if the requested exception is acceptable.