

June 2019 Monthly Report

BJCJSTP Rehabilitation and Restoration Project

The following projects are either nearing completion, in construction, or in the planning stage.

Contract No.	Description	Consent Order Milestone	Status
Contract No. 1	Compost Facility Demolition	Complete	Complete
Contract No. 2	FEMA Mechanical	Complete	Complete
Contract No. 3	BAF Facility Demolition	Complete	Complete
Contract No. 4	MCC HH Emergency Replacement	Complete	Complete
Contract No. 5	BAF Restoration and Rehabilitation Civil Contract	Projected Phase 1 Substantial Completion August 31, 2019. Projected Phase 2 Substantial Completion January 2020.	Projected Phase 1 Substantial Completion August 31, 2019. Projected Phase 2 Substantial Completion January 2020.
Contract No. 6	BAF Electrical	Projected Phase 1 Substantial Completion August 31, 2019. Projected Phase 2 Substantial Completion January 2020.	Projected Phase 1 Substantial Completion August 31, 2019. Projected Phase 2 Substantial Completion January 2020.
Contract No. 7	BAF HVAC	Projected Phase 1 Substantial Completion August 31, 2019. Projected Phase 2 Substantial Completion January 2020.	Projected Phase 1 Substantial Completion August 31, 2019. Projected Phase 2 Substantial Completion January 2020.
Contract No. 8	BAF Plumbing	Projected Phase 1 Substantial Completion August 31, 2019. Projected Phase 2 Substantial Completion January 2020.	Projected Phase 1 Substantial Completion August 31, 2019. Projected Phase 2 Substantial Completion January 2020.
Contract No. 9	Secant Pile Contract	Complete	Complete

Contract No. 10	Solids Handling Renovation Civil Contract	Substantial Completion #1 – June 30, 2020; Substantial Completion #2 – June 30, 2020; Substantial Completion #3 – June 30, 2020; Final Completion - August 30, 2020.	Substantial Completion #1 – June 30, 2020; Substantial Completion #2 – June 30, 2020; Substantial Completion #3 – June 30, 2020; Final Completion - August 30, 2020.
Contract No. 11	Solids Handling Electrical	See Contract #10 Completion Dates	See Contract #10 Completion Dates
Contract No. 12	Solids Handling HVAC	See Contract #10 Completion Dates	See Contract #10 Completion Dates
Contract No. 13	Solids Handling Plumbing	See Contract #10 Completion Dates	See Contract #10 Completion Dates
Floodwall	Floodwall and New Diversion Structure		Currently in Construction. Anticipated Completion Date January 2019.

Contract Descriptions

Contract No. 1 - Compost Facility Demolition

Demolition of the upper portion of the compost facility was performed to accommodate the construction of the new Administration Building to house the plant staff as well as provide the new control room to operate the new facilities. Demolition of the lower portion of the Compost Building cleared the way for the construction of a new maintenance facility.

Contract Status: 100% Complete - Contract Closed

Contract No. 2 - FEMA Mechanical

The FEMA Mechanical Project replaces valves, equipment and other miscellaneous items damaged in the 2011 flood. It includes equipment in both the East and West Primary Sludge Pumping Stations, valves and equipment located in the Head House, and equipment associated with Sludge Thickener Pumping Station Nos. 1 and 2. The cost of the work associated with this contract is being reimbursed by FEMA due to the flood of 2011.

Status: Blue Heron has completed all of the work not deleted by change. The elutriate pumps were deleted from the scope of work and will be performed under Contract #5.

Contract Status: 100% Complete - Contract Closed

Contract No. 3 - BAF Facility Demolition

The BAF Demolition Contract removed the existing structures and utilities that conflict with the new construction work included in the BAF Rehabilitation and Restoration Project. Demolition efforts included selective demolition in the existing process tanks (C-Filters, N-Filters, and DN-Filters), buildings, mechanical equipment, and piping to ready the site for new construction.

Contract Status: 100% Complete - Contract Closed

Contract No. 4 - MCC - HH Emergency Replacement

Contract No. 4 replaced the original existing Motor Control Center (MCC) in the Head House (HH). The MCC is 50 years old and is identified as MCC-HH. The contract was bid as an emergency contract because the electrical system in the Head House was both critical to keeping the BJCJSTP in service, and because the original MCC was extremely unreliable due to the age and deteriorated condition of the gear. MCC HH Emergency replacement also replaced the existing raw sewage pump drives of the existing 50 year old equipment including new electrical feeders from the HH to the Johnson City Grit House No. 1, a new feeder from the HH to the Thickened Sludge Pump Station No. 1, and various other panel boards. The emergency work also included replacement of the existing raw sewage variable frequency drives that were located in the existing MCC HH. The new drives installed are more reliable, more efficient, and will provide better performance of the existing raw sewage pumps.

Status: All work on the MCC- HH project has been completed.

Contract Status: 100% Complete

Contract No. 5 - BAF Restoration and Rehabilitation Civil Contract

When combined with the other BAF contracts (Nos. 6, 7 & 8), Contract No. 5, the General Civil Contract, is intended to provide a functioning automated plant using a BIOSTYR system that can be modified to fit current plant configurations. It is also intended to provide functioning automated headworks and primary clarification processes upstream of the BIOSTYR system and solid handling processes downstream of the BIOSTYR system.

Major components of the work under Contract No. 5 include new coarse screens and ancillary equipment, new piping and valves for the influent pumps, new metering equipment, new fine screens and grit removal with ancillary equipment, a new primary distribution box, new mechanical equipment for primary clarifiers 1-10, new chemical equipment for primary treatment, new Chemical Storage Building, modification of the primary clarifier structural components to replace the aged and deteriorated mechanical equipment, new secondary influent pumps for the new BAF system, a new BAF backwash tank, new CN-BAF and DN-BAF facilities, a new methanol system that will feed the DN-BAF cells, new Ultra Violet Light disinfection system to replace the existing chlorine disinfection system, new sludge thickening equipment and systems, a new Administration Building, new odor control equipment, two new 2MW electric generators, and a new plant outfall to the river.

Status: In June, PC completed placing 785 CY of concrete. This leaves them about 100 CY of structural concrete to place for the project. Their progress was controlled by reduced manpower by the concrete and rebar subcontractors. The bulk of the concrete placed this month was Phase 2 concrete and the remaining structural concrete is all Phase 2 concrete. PC completed the grating and mechanical work in the CN 1-8 gallery, and has completed loading all filter media in for the CN Cells 1-8 and DN Cells this month.

PC completed the process work in the Headworks this month, and the Headworks is now on line. The fine screens and grit removal equipment is operational. PC should complete their System Demonstration Test of the equipment in the Headworks in July. Backfill around the Headworks is nearing completion, and the STP staff has access to all parts of the Headworks. PC completed installing the brick work at the Headworks this month. Electrical and process systems installation have been completed in the Headworks, and are nearing completion in the BAF Treatment Facility. PC has finally completed and tested the Primary Influent Pipes to the PST's. The Primary Distribution Box is now officially in operation. Work on CN Cells 1-8 is being advanced. Now that the electrical work for all process equipment in the CN 1-8 Gallery and Blower Building is complete, Kruger is testing their control systems. Testing of the control systems by Kruger should be completed by the end of July 2019. PC has completed concrete work for all the CN Cells 1-8 with the exception of the coating of the repaired wall on M Line in Cell No. 2. All CN Cells have passed the leak test. The coatings have been completed in all CN Cells 1-8 and DN Cells. The coating for the existing concrete effluent channel at CN Cells 1-8 is also complete. Coatings for the existing channels at DN are nearing completion. Air piping to CN Cells 1-8 and DN Cells is complete and is in operation. PC continues to work on the backwash drain pipe for CN 1-8 Cells and the DN Cells. The pipe in the DN Gallery did not originally fit as fabricated by PC, so they have proposed using a commonly used method for correcting the misfit joints. GHD is reviewing PC's proposal. PC has finally installed the structural members for the grating in the DN Gallery and has also installed the instrumentation and control panels so that Matco can begin wiring the electrical components in the DN Gallery.

CN Cells 9-14 walls are also being advanced. PC is nearing completion of the concrete work for the influent channel for CN 9-14. PC continued working on the backwash header in the CN Cells 9-14. PC's subcontractor missed their projected May completion date for concrete work for the CN Cells 9-14. They had projected completing the concrete work by the middle of May, 2019, but now will more likely complete by the end of July 2019. Again, this is Phase 2 work, so while we remain skeptical, the work is not impacting startup of the secondary process systems by the August 31, 2019 DEC Milestone date. Mechanical and electrical trades are sufficiently complete to allow Kruger to do their system checkout of all systems associated with CN Cells 1-8, and the blowers for the CN Cells.

The mechanical trades continued installing the stainless steel pipe in the DN Building and DN Gallery. PC began installing the grating supports in the DN gallery in June and have provided

temporary access to allow Matco to do their electrical work in the Gallery. Electrical equipment such as the variable frequency drives have been installed in the upper level of DN, and Matco is nearing final completion on the electrical work for process equipment in the DN system, with the exception of the electrical systems in the lower level of DN. Matco is committed to finishing the electrical work in the DN Gallery before the end of July, 2019, this will allow Kruger to roll into the system tests in DN at the end of the Systems Tests for CN 1-8. Kruger will have all of August to complete system tests and start-up of the DN Cells, and still comply with the DEC Milestone for August 31, 2019.

PC has completed work in the PSTs 7-10, and will complete the final leak tests in July. The Primary Setting Tanks 7-10 are sufficiently complete such that they could be placed into service if the CN, DN Cells, and UV were sufficiently complete to receive flow. Operation of the chain and flights in the PST 7-10 has been demonstrated to the Owner and the Engineer.

PC completed the Primary Influent Pipe this month. PC also completed installing miscellaneous yard piping in the area of the Headworks this month in anticipation of start-up of the new Headworks Facility.

Construction of the new Chemical Building is nearing completion and PC is asking GHD to do the chemical system inspection so that the tanks can be registered for use with the DEC. No significant activity was done in this building for months. Work in the East Odor Control Building is complete, with the exception of some minor change order work on the control systems.

Matco continued electrical work in the Blower Building this month. The blowers are operational to allow the air pipe installation in all cells with the exception of CN Cell 8. PC continued their process pipe installation for air and backwash pipe in the CN Gallery for Cells 9-14 this month. PC has completed the concrete work for the SIPS area. PC is nearing completion of erecting the metal SIPS Pump Building. Two of the four pumps have been run, and the other two pumps have had the preliminary check out completed. All four pumps could be made to operate if the downstream flow path were complete. Matco is nearing completion in the SIPS area.

PC suspended work in the Methanol area, pending a resolution on their American Iron and Steel (AIS) Compliance issue. PC submitted a request for a variance from the EPA requirements for AIS for five types of fittings and valves that did not comply with AIS. The EPA granted variances on four of the five requests. The stainless steel flanges grant was denied because the EPA determined that these flanges are domestically available. PC will have to remove and replace the non-compliant stainless steel flanges to complete the system. PC is developing alternate plans to provide for the time to remove and replace the non-compliant fittings.

Matco has completed the conduit work and has pulled the wire to various locations in the Generator Building. PC has finally completed squaring the existing openings for the new louvers to be

installed on the north wall of the Generator Building. They have also cut the openings for the upper louvers on the north wall. The upper openings were delayed to abate lead based paint discovered on the existing structural steel at the openings. J&K is nearing completion of the installation of the louvers required to start-up the generators.

PC has confirmed that they are not following the flawed CPM Schedule, so we are having weekly schedule meetings with PC and all of the necessary multi-primes and subcontractors to advance the secondary treatment process and meet the DEC Phase 1 Milestone date of August 31, 2019. We have notified PC that they are not in compliance with the contract for providing a comprehensive schedule. We are currently holding two months payments as incentive to PC to comply with the CPM Schedule requirements for the contract.

No significant change at the new Administration Building this month. PC is currently preparing for pavement of the Administration Building parking lot. They are projecting paving the east half of the plant in July and August. The City decided to increase the width of the parking lot to meet Vestal Code. The parking lot will now be 60 feet wide from north to south.

PC has completed the south flood wall and completed the concrete placements at CN 9-14 to meet the Consent Order requirements for flood protection to elevation 845. In addition to the concrete work, Matco has completed the electrical power to storm water pump station 4. All storm water pump stations are also now operational from permanent power.

Contract Status: 89% Complete

Contract No. 6 - BAF Electrical

The BAF Electrical Contract supports the BAF General Civil Contract and includes all electrical and instrumentation associated with the BAF contracts. The components include installation of the new UV disinfection system, installation of the new generators, installation of the electrical feed throughout the plant, as well as installation of the instrumentation and SCADA System throughout the plant.

Status: Contract No. 6 was bid and awarded in compliance with the May 27, 2016 milestone for issuing the NTP in the Consent Order.

This month the Contractor completed work in the BAF Backwash Treatment Facility, DN Cells, UV, and Methanol Building. Matco has completed all distribution electrical work, is nearing completion of the fiber optic cable installation for SCADA Control, and will continue working on the electrical work for CN Cells 9-14 this month. The two new 2MW generators are nearing completion. PC finally completed their work on the north wall of the Generator Building, and Matco is connecting conduit and wire to the louvers to allow the generator testing to begin.

MATCO is providing input for the Project CPM baseline schedule.

Contract Status: 93% Complete

Contract No. 7 - BAF HVAC

The BAF HVAC Contract supports the BAF General Civil Contract and includes installation of all HVAC Systems in all STP Facilities as well as revisions to the odor control systems throughout the plant. The odor control improvements are intended to alleviate the odors that have been prevalent in the past in and around the plant.

Status: Contract No. 7 Notice to Proceed was issued on May 27, 2016 in compliance with the DEC milestones in the Consent Order. The contractor continued submitting material submittals for the HVAC equipment for the project this month. They continue to provide supporting information for the development of the CPM Schedule, and have acknowledged they can meet the required milestones of the Consent Order. They are working on the HVAC systems for CN Cells 1-8, DN Cells, and Thickener Pump Stations.

Contract Status: 96% Complete

Contract No. 8 - BAF Plumbing

The BAF Plumbing contract supports the BAF General Civil Contract and includes installing plumbing systems for the new and existing facilities included in Contract No. 5.

Status: Contract No. 8 Notice to Proceed was issued in compliance with the May 27, 2016 milestone for issuing the NTP in the Consent Order. The contractor has continued providing the supporting information for the overall CPM Schedule this month, and they have confirmed that they can meet the required milestones of the Consent Order.

This month they continued the installation of the plumbing in the Headworks Building, and the new Generator Building was completed. Installation of the sampling system at both CN and DN is being done. This work will be completed by the end of July.

Contract Status: 94% Complete

Contract No. 9 - Secant Pile Contract

The Secant Pile Contract includes installation of the secant piles that support the excavation for the new BAF Backwash tank as well as supporting the new CN Cells 9-14. Construction also includes excavation to the final grade for the BAF backwash tank. This project was bid separately from Contracts 5-8. In doing so, a minimum of four months on the critical path schedule was saved.

Status: The installation of the secant pile wall is complete. Close out documents have been prepared and are being submitted to close out this project.

Contract Status: 100% Complete - Contract Closed

Contract No. 10 -Solids Handling Renovation Civil

Contract No. 10 is intended to renovate and improve the Solids Handlings Systems including the existing Digester Control Building, existing digesters, solids dewatering systems, and all ancillary equipment. As part of the improvement to the solids handling process, the following components will be constructed or installed. The new structures include a new Solids Handling Building, a new Gas Conditioning Building, and a new Sludge Loading Facility. The new equipment being installed includes new centrifuges, new mechanical thickeners, new gas processing equipment, new microturbines, and new scum screening equipment. The scope was further developed during the design processes to include sludge blend tanks. Additionally, the contract renovates the existing laboratory facilities at the STP. The contract was bid as a multi-prime contract consistent with New York State Construction Contract Requirements.

Status: Architectural work for the new Solids Handling Building is now complete. Concrete work for the Gas Conditioning Equipment Building was completed several months ago. Renovation for the first side of the lab at the Headhouse is nearing completion. The Town of Vestal refuses to do a code inspection until all work in the building is complete. The attorney for the BJCJSTP Sewer Board sent a letter stating they would not allow STP Staff to move into the newly renovated facility until they had a Certificate of Occupancy. This had caused a significant delay in getting the existing portion of the lab relocated so that the renovation can be done on the existing lab area. As soon as we can get the existing lab emptied, we can allow Quandel to begin work on the west half of the lab renovation. It should take Quandel about a month to complete the lab renovation after they are able to move the WTP staff from the west half of the laboratory to the renovated east half.

Quandel has completed installing the mechanical systems in the Solids Handling Building. They are largely waiting on Matco to complete the electrical work so they can begin pre-functional testing and Functional Demonstration Testing of the equipment. After they complete the Functional Demonstration Tests, they can begin the 7-day system demonstration test. Matco is working on the control wiring for the centrifuges on the Solids Handling Building. This work is being done as a change to the contract as the control wiring for the Centrifuges was inadvertently left off the bid documents when they were designed. Now that PC has completed the headworks, and grit removal has been achieved, we should soon be able to deliver sludge to the Solids Handling for processing. Matco has indicated that they should be complete with electrical work in the Solids Handling before the end of July. As soon as we can complete the system demonstration test on the equipment in the Solids Handling Building, we can divert sludge to the new centrifuges for processing. After this diversion, the existing centrifuges can be removed to make way for the new mechanical thickeners that are to be installed in the current centrifuge room.

Quandel was not making any progress on the removal and re-certification of the gas conditioning equipment, so we were forced to remove the work from their scope of work and the City is procuring the equipment on a sole source contract. They are alleging that they are not responsible

for re-conditioning the equipment. Koester was awarded a purchase order to provide and install the equipment that would have been Quandel's obligation.

Quandel declined to quote a cost proposal to recoat the inside of Digesters #1 & #2, which are the two smaller digesters. They also refused to repair the spalled concrete at the top of Digester #1 despite having a unit price for repairing spalled concrete in their base bid. The owner decided to coat the inside of Digesters #1 and #2 before installing the cover on these two digesters. We had to put digester covers #1 and #2 on hold pending completion of recoating the inside. We initially believed we would be able to get the covers installed in June, but the manufacturer was not available to return to site to install the covers until July. The Digester Gas Safety Equipment for Digesters #1 and #2 is scheduled for installation in July. Digester cover #3 is installed.

We believe that Quandel has a contractual obligation to prepare a startup plan for all three digesters. Because Quandel refused to prepare the plan, Jacobs prepared the plan for the Owner. Implementation of that plan could not begin until the Headworks is complete and functional. The startup plan is complete, Headworks is operational, and startup was underway before the June 30. Quandel is scheduled to deliver 270,000 gallons of seed sludge on July 8, 2019 for startup of digester #3.

Quandel was able to do the system demonstration test in thickener #1 Pump Station during the filling of Digester #3. The segment of buried digester gas pipe that was leaking has been replaced. We developed and executed a plan that saved the City in excess of \$400K from the price quoted by the Contractors to clean the Digester Gas Pipe and Sludge Pipe in the Digester Control Building. The cleaning of the existing lines is now complete.

Contract Status: 93% Complete

Contract No. 11 - Solids Handling - Electrical

The Solids Handling Electrical Contract supports the Solids Handling General Civil Contract and includes installation of electrical for the new and existing facilities included in Contract No. 10.

Status: Matco continued installing conduit and cable tray in the Digester Complex and Solids Handling Building this quarter. Matco is nearing completion of the control wiring and systems for the centrifuges in the new Solids Handling Building. This work was inadvertently left out of the design for the building during the design phase. It is being done as a change order authorized on a T&M basis.

Contract Status: 84% Complete

Contract No. 12 - Solids Handling - HVAC

The Solids Handling HVAC Contract supports the Solids Handling General Civil Contract and includes installation of HVAC systems for the new and existing facilities included in Contract No. 10.

Status: J&K completed installing the boilers and heat exchangers for the digesters. They have completed start-up of the boilers and heat exchangers to support start-up of Digester #3. The boilers and heat exchangers brought the temperature of the Primary Effluent Pump into Digester #3 up from 63 degrees to 98 degrees in less than a week. There appears to be an issue with the boilers not being able to fire in the high fire mode at this time. We are requesting the technician return to the site to do some additional diagnostic work to help determine what the cause of the problem could be.

Contract Status: 88% Complete

Contract No. 13 - Solids Handling - Plumbing

The Solids Handling Plumbing Contract supports the Solids Handling General Civil Contract and includes installation of plumbing systems for the new and existing facilities included in Contract No. 10.

Status: The plumbing contractor is JW Danforth, as it is on the BAF Contract No. 8. Danforth is making good progress installing the plumbing in the Solids Handling Building and also the Digester Control Building. Danforth continues to support the General Civil Contractor's schedule. Danforth finished supporting the cleaning of the Sludge and Digester Gas Piping in the Digester Control Building.

Contract Status: 89% Complete

Floodwall

The new floodwall being constructed at the STP is intended to protect the plant to an elevation 1.5 feet above the 2011 flood level. The floodwall includes concrete walls on the east and north sides of the STP. The project also includes two new pump stations to pump up stream out of the plant during the storm events. The new floodwall system works in conjunction with new floodwall features included in Contract No.5 BAF General Civil Construction. The floodwall systems are being funded by a FEMA recovery grant.

Status: The concrete floodwall under Streeter's contract has been completed. Startup and testing of the two storm water pump stations is complete. The access platform for the valves at the two storm drain pump stations need some minor modifications to eliminate a potential fall/trip hazard. This work is being executed as a change order, and will be reduced from the deductive change order that will close out the contract. Streeter tested the 54" gate in the sampling manhole in May.

The gate failed the test and must have some remedial work done on the gate installation before it is re-tested. No significant work was performed this month.

Contract Status: 98% Complete

NOTES:

1. SWPPP measures continue to be maintained by all contracts. Any deficiencies noted during daily or weekly inspections are promptly remedied. The City received a Notice of Violation from DEC for SWPPP issues. We have addressed all of the issues, including the paperwork that was not modified as required for the inclusion of Solids Handling. We are attempting to get the SWPPP closed out for Streeter, and will need to transfer responsibility for the SWPPP outside the floodwall to the new WQIP contractor.
2. The WWTP Staff issued a PO to Drain Brain to clean the existing Digester Gas Pipe and Sludge Pipe. We are complete with this effort. The original quote from the Contractor was in excess of \$450K for just the cleaning of both sets of lines. The final cost was about \$53.6K, and was completed by December 15, 2018.
3. The City has issued a purchase order to JDV to provide the Digester Mixing Equipment for \$278,620. This equipment was in need of rehabilitation and replacement, but it was not included in any contract. The cost to rehabilitate equipment was less than the cost to replace the equipment. The quote of \$572,915 we received from Quandel was excessively high, and it was in the best interest of the City to purchase and rehabilitate the equipment separately. By performing this equipment purchase separately, we were also able to accelerate the delivery and installation of the equipment in advance of what Quandel was quoting. JDV is about 70% complete with the Digester mixing Equipment at the end of June.
4. The City has also entered an agreement with Koester to provide replacement equipment for the digester gas safety equipment and to include installation. The agreement was issued for \$639,086, and Quandel's quote was for \$1,110,668. We will be seeking some recovery from Quandel for some of the \$639K for the portion of the work that is included in their scope of work. Koester is 70% complete with the work at the end of June.
5. Weekly meetings are held for each contract to discuss the progress of the work and identify and resolve issues and problems. Meetings between contractors on the various contracts are held as necessary to facilitate any concerns and coordinate work between all contracts.

Consent Order Compliance Table

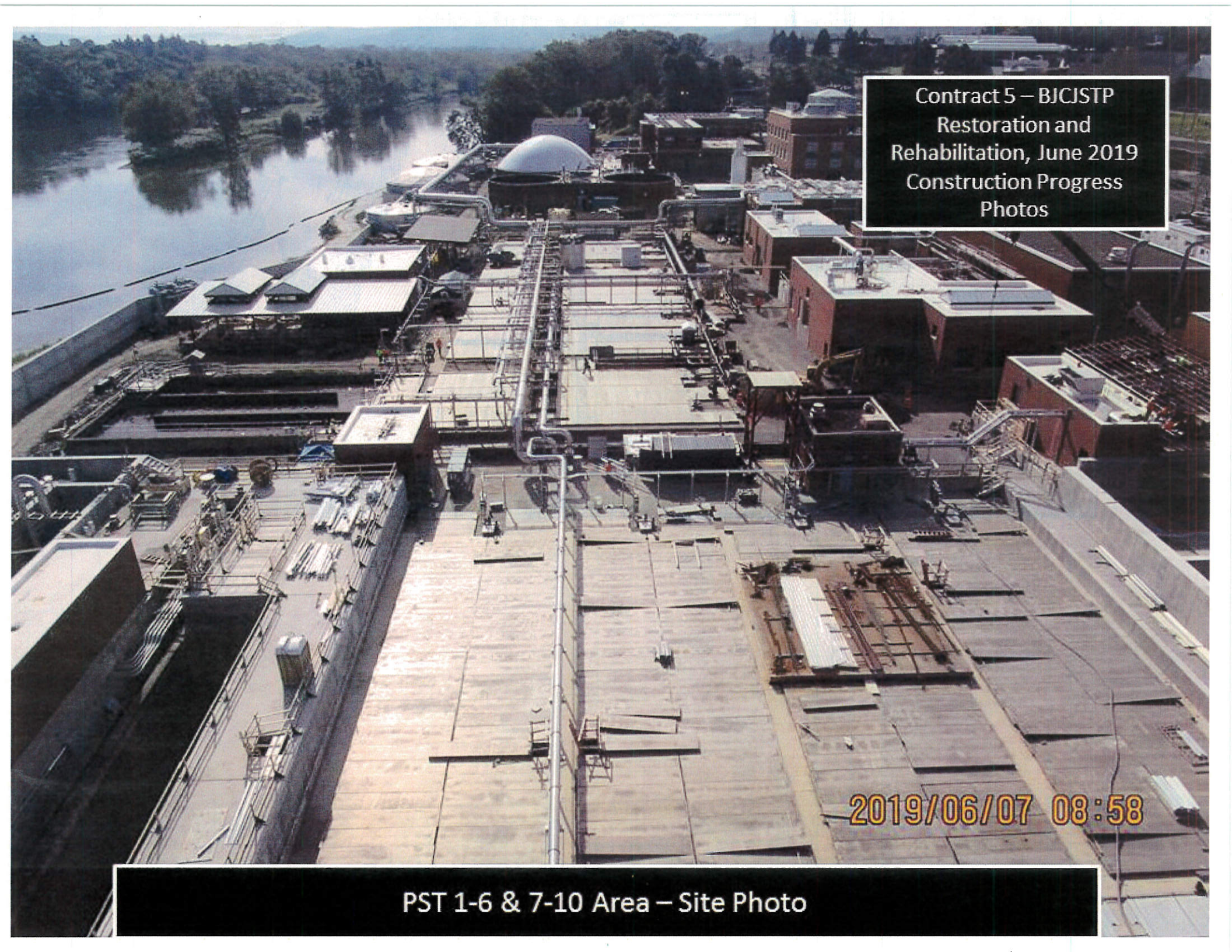
DEC #	Description	Consent Order Date	Status
7	Flood Mitigation to Elevation 845	February 28, 2019	Complete
3f	Begin SIPS Commissioning	April 30, 2019	April 30, 2019
3e	Backwash Waste Treatment Construction Complete	June 30, 2019	A variance will be submitted to change the milestone date due to a late change by the equipment manufacturer.
3h	Hydraulic Testing of new BAF Backwash Tank	June 30, 2019	Complete
3j	Retrofit of two sludge thickeners, (1 is complete, the second should be complete by August 31, 2019. Two thickeners will be available for use at all times.	June 30, 2019	A variance request has been submitted to DEC. Based on comments by DEC, we will work with DEC to determine what date they can be completed.
4d	Complete construction of anaerobic digesters. (Digester #3 will be complete before June 15, 2019, and it can handle the entire sludge load during the interim construction period.)	June 30, 2019	Digester 3 completed June 30, 2019/ Digester 1&2 completed August 31, 2019
5b	Interim Operating Strategy for equipment from 8/31/19 through 1/1/20.	July 31, 2019	July 31, 2019
3i	Construction Complete on PST 7-10	August 31, 2019	July 31, 2019
3k	Commence Operation of CN 1-8, DN, BAF Backwash Tank, BAF Backwash Treatment, Headworks, and PST 7-10.	August 31, 2019	August 31, 2019
3l	Commence Operation of CEPT, UV, Sludge Thickeners, and appurtenances.	August 31, 2019	August 31, 2019
4e	Operation of Digesters 1-3. (Digester 3 is scheduled to be operational in June 2019.)	August 31, 2019	Digester #3 was in startup June 27, 2019/ Digester #1 or 2 startup will begin on August 31, 2019. The final Digester cannot begin startup until the STP is producing sufficient feed sludge to support three digester operation.
3m	BAF CN Cells 9-14 Construction Complete	January 1, 2020	October 30, 2019
3n	Operation in Compliance with SPDES	April 1, 2020	April 1, 2020



Contract 5 – BJCISTP
Restoration and
Rehabilitation, June 2019
Construction Progress
Photos

2019/06/07 08:58

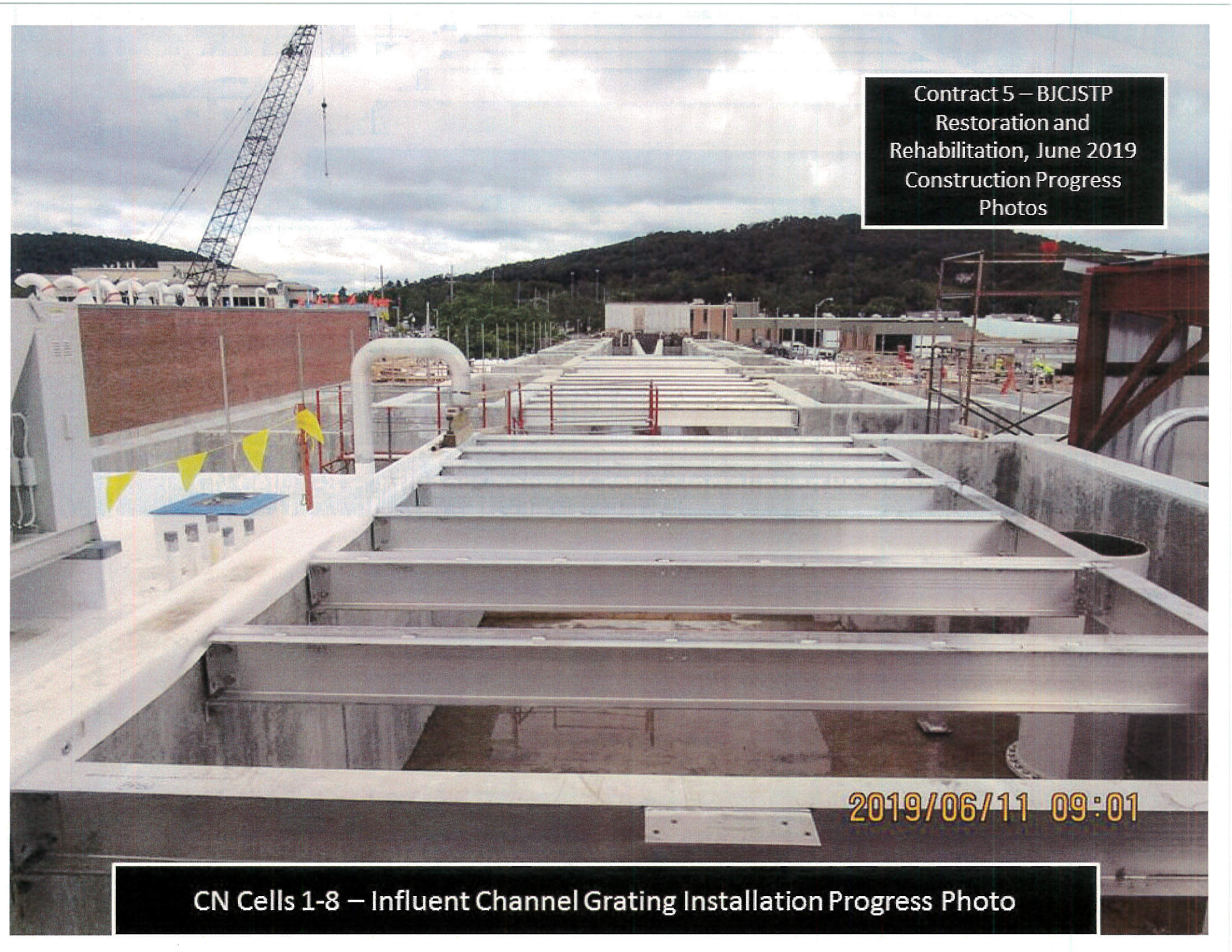
CN Cells 1-8 – Area Site Photo



Contract 5 – BJCISTP
Restoration and
Rehabilitation, June 2019
Construction Progress
Photos

2019/06/07 08:58

PST 1-6 & 7-10 Area – Site Photo



Contract 5 – BJCISTP
Restoration and
Rehabilitation, June 2019
Construction Progress
Photos

2019/06/11 09:01

CN Cells 1-8 – Influent Channel Grating Installation Progress Photo

Contract 6 – BJCISTP
Restoration and
Rehabilitation, June 2019
Construction Progress
Photos



CN Blower Building Control Room – Armor Fiber Optic Cable

Jun 7, 2019 10:12:38
Binghamton/Johnson City WWTP



Contract 7 – BJCISTP
Restoration and
Rehabilitation, June 2019
Construction Progress
Photos

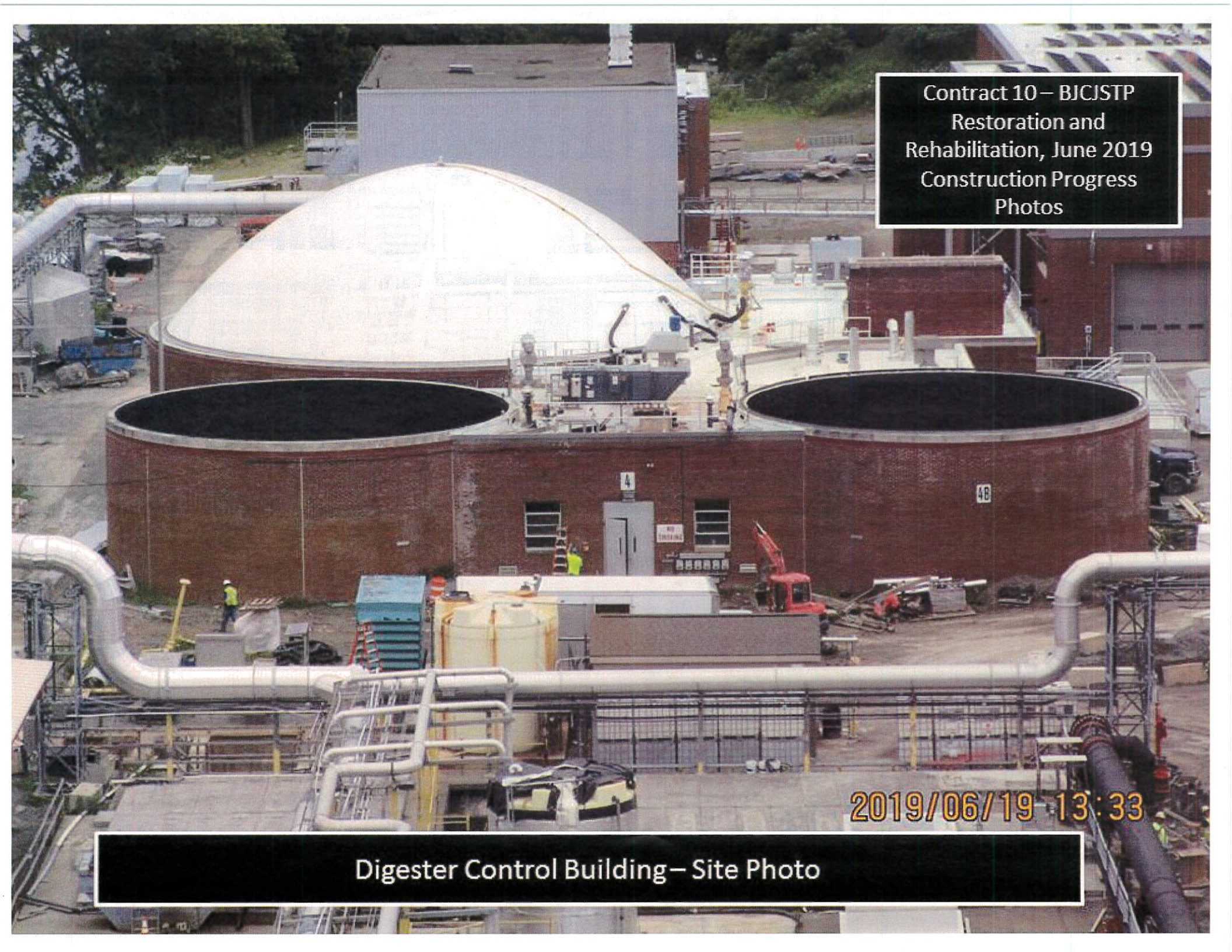
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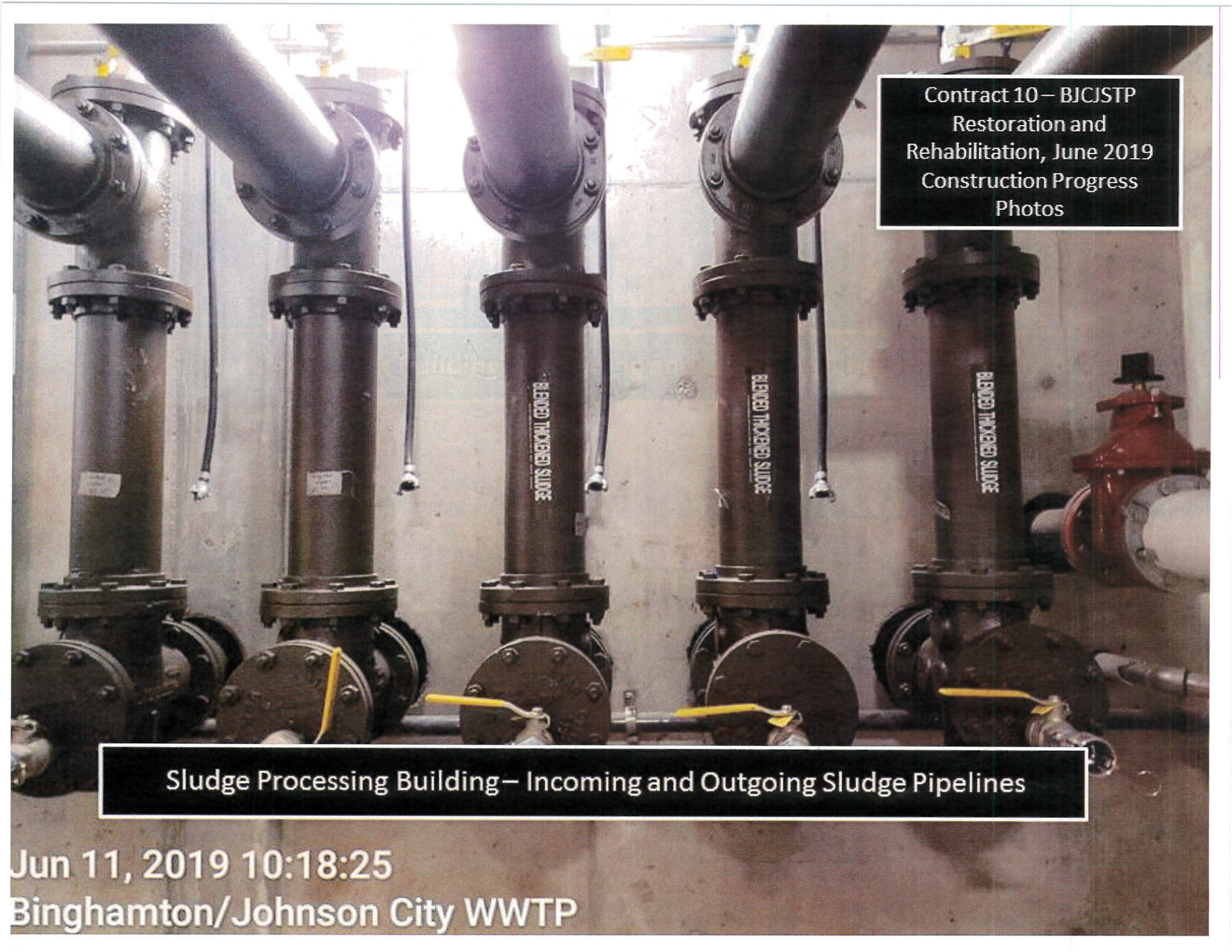
Generator Building – North Louver Installation Progress Photo

Contract 10 – BICJSTP
Restoration and
Rehabilitation, June 2019
Construction Progress
Photos

2019/06/19 13:33

Digester Control Building – Site Photo



The image shows five vertical, dark-colored metal pipelines in a sludge processing building. Each pipeline is connected to a horizontal pipe at the top and has a circular access panel at the bottom. The pipelines are labeled vertically with the text "300TS GENERAL SLOPE". To the right of the pipelines, there is a red fire hydrant or valve assembly. The background is a plain, light-colored wall.

Contract 10 – BICJSTP
Restoration and
Rehabilitation, June 2019
Construction Progress
Photos

Sludge Processing Building – Incoming and Outgoing Sludge Pipelines

Jun 11, 2019 10:18:25
Binghamton/Johnson City WWTP

Contract 12 – BICJSTP
Restoration and
Rehabilitation, June 2019
Construction Progress
Photos



Sludge Processing Building – Installation of Micro Turbine Breeching

2019-06-07 09:13:26

Contract 13 – BJCJSTP
Restoration and
Rehabilitation, June 2019
Construction Progress
Photos

2019/06/18 08:30

Gas Conditioning Room – Gas Pipe Installation Progress Photo

