HWC ENGINEERING

135 N. Pennsylvania Street, Suite 2800
Indianapolis, IN 46204
hwcengineering.com

Confidence in the built environment.

January 3, 2023

Ms. Aletha Lenahan
Water Enforcement Case Manager
Indiana Department of Environmental Management
Surface Water, Operations & Enforcement Branch
Office of Water Quality – Mail Code 60-02W
Room N1255
100 North Senate Avenue
Indianapolis, IN 46204-2251

Re: City of Jasonville
Wastewater Agreed Order (Case No. 2020-27185-W)
2022 4th Quarter Report

Dear Ms. Lenahan:

On behalf of the City, this quarterly report is being provided as an update on the items included in the Compliance Plan as listed below.

1. Develop and implement a preventative maintenance program for the collection system

   Construction on the wastewater collection system rehabilitation project started in August and is substantially complete. The work completed for this OCRA & SRF funded project included approximately 11,000 feet of cured-in-place pipe (CIPP) to replace old sewers with significant I/I issues.

2. Assure proper removal, storage, and disposal of sludge solids throughout the WWTP

   The City is continuing to utilize sludge reducing agents to limit the sludge accumulation in the aeration basins. The Preliminary Engineering Report (PER) for the proposed regionalization and wastewater system improvements project that includes accepting wastewater flows from Shakamak State Park has been approved by SRF. Design for the regionalization project is underway and includes significant improvements at Jasonville's WWTF.

3. Comply with all applicable monitoring and reporting requirements of the NPDES Permit
   The City is continuing to complete the reporting requirements of the NPDES Permit. As noted in previous quarterly reports, the wastewater staff is also continuing to monitor the lift stations and review lift station data to help identify and reduce I/I and SSO's in the collection system.

4. Achieve and maintain compliance with the effluent limitations and regulations contained in the forthcoming NPDES Permit Modification

   The design of the regionalization project that includes accepting and treating wastewater flows from Shakamak State Park and Coalmont as well as significant capital improvements at Jasonville's WWTF to ensure compliance with effluent limitations and regulations is underway. Permit applications are scheduled to be submitted in February 2023 and bidding is planned for April/May 2023. Construction of the project is anticipated to start in the fall of 2023 contingent on easement acquisition and SRF loan closing.

The compliance plan schedule is attached to this letter for reference.

If you have any questions or comments regarding this update, please contact me at 317-981-1250.

Sincerely,

Jonathan Q. Query, P.E.
Project Manager

/Attachment

Cc: Bob West, City of Jasonville Utility Superintendent
Jane Landry, City of Jasonville Clerk-Treasurer
Eric Smith, P.E., HWC Engineering

City of Jasonville

Compliance Plan Schedule

Updated December 2022 (Updated Items in Bold)

	Milestone/Task	Duration	Anticipated Start Date	Target Completion Date	Status/Updated Target Date
1	Develop and implement a preventative maintenance program for the collection system, which includes methods and milestone dates for locating and eliminating sources of I&I and prevention of SSO's in the collection system.	21 months	April 1, 2021	December 31, 2022	**Complete**
	A. Implement monthly inspections of each lift station and review of lift station data	3 months	May 1, 2021	July 31, 2021	Complete
	B. Develop complete inventory of system components in GIS	6 months	April 1, 2021	August 31, 2021	Complete
	C. Develop procedures for operation during peak flows to reduce or prevent SSO's in the collection system.	4 months	May 1, 2021	August 31, 2021	Complete
	D. Complete construction of wastewater collection system rehabilitation project.	16 months	December 1, 2021	June 30 2022	**Complete**
	E. Conduct televising, smoke testing, and monitoring in remaining areas of concern and visually inspect all manholes.	21 months	April 1, 2021	December 31, 2022	**Complete**
2	Assure proper removal, storage, and disposal of sludge solids throughout the WWTP.	7 months	June 1, 2021	December 31, 2021	TBD**
	A. Obtain sludge depths at the WWTP, particularly in the FEB and aeration settling pond	3 months	June 1, 2021	August 31, 2021	Complete
	B. Remove sludge as required with contract hauler	4 months	September 1, 2021	December 31, 2021	TBD**
3	Comply with all applicable monitoring and reporting requirements of the NPDES Permit.	3 months	April 1, 2021	June 30, 2021	Complete
4	Achieve and maintain compliance with the effluent limitations and regulations contained in the forthcoming Permit Modification*	44 months	April 1, 2021	December 31, 2023*	December 31, 2025*
	A. Implement full utilization of existing WWTP processes (particularly the sand filters)	3 months	May 1, 2021	July 31, 2021	Complete
	B. Ensure all required polishing reactor modules are installed and operational for maximum ammonia removal	3 months	May 1, 2021	July 31, 2021	Complete
	C. Evaluate potential modifications or additional components/equipment needed to comply with the effluent limitations, particularly ammonia	6 months	May 1, 2021	October 31, 2021	Complete
	D. Modify existing equipment or add components/improvements as required.	34 months	March 1, 2022	December 31, 2022	December 31, 2024

* The date to achieve and maintain compliance with the effluent limitations in the forthcoming permit modification is in accordance with the Agreed Order which requires demonstration of 12 consecutive months of compliance with the terms and conditions of the NPDES Permit. **Construction of WWTP improvements as part of the Shakamak regionalization project is anticipated to be complete by 12/31/2024. This is based on an anticipated construction start date in the fall of 2023, which is contingent on SRF loan closing and easement acquisition.**

**Given the concerns with sludge removal due to the floating covers, the City is pursuing other options for reducing the sludge such as sludge reducing agents.