

Operations Update

Plant Operations – Plant operations and treatment were good during the month of July.

Compliance Maintenance Annual Report – See DNR’s response (attached)

United Liquid Waste Haulers – As soon as the fields dry up from the recent rain United Liquid waste will start hauling.

Seven Oaks Land Rental – No update.

Maintenance Update

ATAD Jet Mix Pumps – Received impellers, and side plates,

Peak Flow Pump #3 VFD – No update.

DAFT Pressure Vessel Tanks – The pressure vessels are on order.

Heating/Air Conditioning Unit – This unit will be replaced during the upcoming filter project, so no need to replace it now. The heating part of the unit is still operable.

Kevin Skogman
Director of Operations & Maintenance

Compliance Maintenance Annual Report

Heart Of The Valley Metro Sewerage District

Last Updated: Reporting For:
6/15/2022 2021

DNR Response to Resolution or Owner's Statement

Name of Governing
Body or Owner:

Heart of the Valley Metropolitan Sewerage District

Date of Resolution or
Action Taken:

2022-06-14

Resolution Number:

199

Date of Submittal:

6/15/2022

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Influent Flow and Loadings: Grade = D

Permittee Response:

The District replaced all of its ultrasonic flowmeters with new laser flowmeters by early 2020. The meters were run concurrently for the remainder of 2020 and the main plant laser influent flowmeter registered about 11% more flow than the ultra sonic meter that it replaced. The District removed the old flowmeters and adopted the laser meters for billing and DMR reporting as of 1/1/2021.

As a result of the influent meter replacement, the District's calculated loadings increased when compared against its rated plant BOD capacity. The flow difference was enough to put the District over 90% of its rated capacity 8 times and over 100% of its rated BOD capacity 3 times in 2021.

The District's ability to produce permit complaint effluent while being mathematically overloaded with BOD indicates that the rated capacity of the biological process is likely under rated. The District along with its consultant are evaluating a stress test of the biological system and may be applying for an increase in the organic rating of the facility. The stress test has not been completed and the data is still being evaluated. If District were to apply for and receive a rerating, we would anticipate that near future CMAR reports would not have the points applied to this section of the CMAR and no further response would be necessary.

DNR Response:

I agree with your rationale.

Effluent Quality: BOD: Grade = A

Permittee Response:

DNR Response:

Effluent Quality: TSS: Grade = A

Permittee Response:

DNR Response:

Effluent Quality: Ammonia: Grade = A

Permittee Response:

DNR Response:

Compliance Maintenance Annual Report

Heart Of The Valley Metro Sewerage District

Last Updated: Reporting For:
6/15/2022 2021

Effluent Quality: Phosphorus: Grade = A

Permittee Response:

DNR Response:

Biosolids Quality and Management: Grade = A

Permittee Response:

DNR Response:

Staffing: Grade = A

Permittee Response:

DNR Response:

Operator Certification: Grade = A

Permittee Response:

DNR Response:

Financial Management: Grade = A

Permittee Response:

DNR Response:

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

Permittee Response:

DNR Response:

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 3.76

Permittee Response:

DNR G.P.A. Response:

DNR CMAR Overall Response:

Thank you for submitting the 2021 CMAR on time. The Department appreciates your effort to protect human health and the environment by ensuring that your wastewater collection and treatment systems are properly operated and maintained. Great Job!

DNR Reviewer: Oumarou, Barti

Address: 625 E County Road Y, Suite 700, Oshkosh, WI 54901

Phone: (920) 424-4013

Date: 7/28/2022