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September 29, 2021

Amy Beck
Office of Water Quality Compliance Branch
Arkansas Energy and Environment
5301 Northshore Drive
North Little Rock, Arkansas 72118

Re: Inspection Response, Dated February 2, 2021
City of Melbourne (Izard County)
NPDES Permit: AR 0020036, AFIN: 33-00026

Dear Ms. Beck:

Following are responses to findings listed in the inspection report referenced above for the City of Melbourne Wastewater Facility. As you mentioned in the report, the facility is in a rehabilitation project that will bring the facility back into compliance. A site visit of these items was conducted on Tuesday, September 28, 2021, to confirm the status of the items listed in the inspection.

Item 1 – Maintenance Issues

- a. Floatables in the clarifier – As mentioned above, the facility is currently in the process of completing design of a major rehabilitation project for the facility. This issue is related to that project. The existing clarifiers are in desperate need of rehab. The automatic skimmer for the basin that was in operation the day of this follow-up inspection, the northern of the two clarifiers, is not currently operational. The removal process is being done manually by the plant staff. At the time of the visit the was only foam visible in the trough. City staff was scheduled to do a skimming of the foam later in the day.
- b. Algae and debris in Parshall Flume – The Parshall Flume has been the subject of poor maintenance in the past. The day of the second inspection the staff had recently mowed and cut grass next to the flume structure. The flume did contain fresh grass clippings, and some were suspended in spider webs at the time of the site visit. The city staff was advised of the situation and advised to try to avoid letting grass clippings get in the flume. It was also advised that the flume be vacuumed out after the mowing is completed.
- c. Staff gauge – Gauge was clean at the time of the site visit with the exception of the grass clippings suspended in spider webs as mentioned above.

Item 2 – Head Works

The headworks is all manual at this point. Cleaning of the bar screen is a manual process and during a high flow event, can be subject to overflow. The headworks will be replaced with an automated bar screen that will be self-cleaning as part of the rehab project. City staff had been advised to increase the interval of cleaning or the screen and to add a container in which to deposit the materials removed. At the time of the site visit, the container was not present, but as mentioned above, the area has recently been mowed and it was likely that the container was moved to mow next to the structure. There was a small amount of material at the top of the bar screen that was being allowed to dry, but no excess material was observed around the structure or on the ground.



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Item 3 – Secondary Flow Measurement

There was no one at the site during the site visit so we could not inquire about the calibration. There was not a sticker on the unit to indicate a date of last calibration. City staff was contacted, and we were informed that a calibration had been done and that a copy of that was on file at the site office.

Since the October inspection, the staff had been able to remove some of the accumulated sludge that was in the drying beds at the site. They had recently performed a sludge wasting as sludge was observed in the drying bed. Also, the Return Activated Sludge pump station had failed and has been replaced with a new system.

As was stated in the original inspection, the facility is pending a major rehab project. The inspection also recommended a general increase in its house keeping at the facility. An effort in that direction was obvious at the time of our follow up site visit. Another site visit is planned for next week to make sure the items listed above were tended to and to encourage the continued general house cleaning efforts.

A follow up memo for the site visit next week will be prepared and submitted to you once its completed. With the exception of items that can only be address by the rehab project, the staff has done a fairly good job addressing all the issues listed at the inspection. Continued improvement in general maintenance will need to be reinforced and we will encourage that at our next site visit with staff next week. Attached are some pics taken at the site visit on September 28.

Respectfully submitted,
LANDMARK ENGINEERING

A handwritten signature in blue ink, appearing to read "James Dreher", is written over the printed name below.

James Dreher
Staff Engineer

JHD/jd

CC: City of Melbourne



Figure 1- Head works bar screen



Figure 2- Racetrack Aeration



Figure 3- Clarifier in use at site visit



Figure 4 - New RAS Station



Figure 5 - Sludge Drying beds