

Fratello & Amico, Inc.

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May 16, 2025

Ms. Julie Pape
Project Coordinator
Tidewater, Inc.
6625 Selnick Drive, Ste A
Elkridge, MD 21075

RE: WV029, Report of Oil Water Separator Cleaning and Preventative Maintenance Inspection, Morgantown USARC, 228 Comfort Inn Drive, Morgantown, WV 26505

Dear Ms. Pape,

We are pleased to submit the following report regarding services performed at the above facility.

Background and Investigation: We visited this center on Friday, February 22, 2013, we opened and inspected the two chambers of the grit interceptor and the oil-water separator. All three sections revealed various levels of heavy black oil, along with bottom sludge. Both chambers of the primary interceptor/separator contain measurable sludge, primary side currently contains over 8" of solids, secondary chamber over 4" of solids.

We proposed to filter and dewater all sections of the OWS system and containerize the oily sludge in steel 55-gallon DOT 17-H drums for future disposal via DRMO, and the proposal was subsequently approved.

On Monday, March 25, 2013, we arrived at the center to clean the interceptor and separator. The units were dewatered using a filtered pump; sludge was evacuated from the chambers and placed into DOT 17-H steel 55-gallon drums for future disposal via DRMO. After cleaning, we refilled the units in reverse order; OWS first, sand interceptors last, and then verified flow.

The OWS was found to have a significant accumulation of free oil on the surface. The surface oil was removed using conventional absorbents and the chamber filtered and dewatered. Dewatering required an inordinate amount of time as the effluent piping from the OWS apparently isn't appropriately pitched to drain. We found a significant amount of the filtered discharge was flowing back into the OWS from the effluent line.

Once the cleaning was complete, the three drums of oily waste were placed on a skid and marked to identify the contents, the work area was cleaned, and the project was demobilized.

In February 2021, the facility requested an Oil Water Separator service and inspection as the system was beyond the maximum five-year interval. A proposal was prepared and submitted and subsequently approved.

We mobilized to the facility on the morning of Friday, April 16, 2021 to perform the service. Free floating oil was removed from the chambers and the water phase was filtered and processed through the system until the bottom of each chamber was visible. Sludge was then evacuated and containerized for disposal via DRMO. After cleaning, the chambers were refilled to operational levels with fresh water.

A strong sulphur odor was evident when the water phase was transferred between chambers and the odor was also detected in the training building during the service.

While the source of the odor could have been essentially anything flushed down the OMS floor drains in the last eight years since the OWS was serviced, the detection of the odor in the training building is more of a concern. Somewhere in the building sewer gas is venting into the building, most likely via a dry trap from a remote floor drain.

A thorough inspection of the as-built plumbing drawings of the training building and flushing of each of these traps is recommended. That followed by another flushing of OWS filtered water or a smoke test in the sanitary sewers should be performed to ensure that sewer gas is not entering the building.

If an odor is detected after the trap flushing, you could have a more serious problem, like a cracked vent behind a wall. The venting of more dangerous odorless gasses into the building is what concerns us the most.

With the obvious exception of the sewer gas intrusion issue, the OWS system is working properly and should be good for another five years.

On Friday, March 7, 2025, we were contacted by Tidewater, the regional PM contractor regarding the servicing of seven of the Oil Water Separators in the region. A proposal was prepared and submitted for review, and was subsequently approved.

As it had been four years since the last service, we visited each facility the week of May 6th in order to gauge the accumulation of sludge. Four sites were found to have light accumulations and were scheduled for the week of May 12th, the other three have heavy accumulations and were scheduled for the week of June 23rd.

Site Service Performed: We mobilized to the facility on the morning of Wednesday, May 14, 2025. The three chambers of the system were accessed by the removal of three manhole covers.

Free floating oil was removed from the chambers and the water phase was filtered and processed through the system until the bottom of each chamber was visible. No measurable sludge was encountered in any of the three chambers during the dewatering operation.

Upon the completion of the cleaning and inspection of each chamber, the primary and secondary grit were filtered and processed through the final OWS chamber, then the OWS contents were transferred to the primary grit chamber. The OWS and secondary grit chamber were refilled with fresh water and the system resealed.

Conclusions and Recommendations: The OWS system is working properly with no known issues.

Attachment: Photographs of the Service

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4	OWS Covers Removed
5	Primary Chamber Prework
6	Secondary Chamber Prework
7	Tertiary Chamber Prework
8	Primary Chamber After Cleaning
9	Secondary Chamber After Cleaning
10	Tertiary Chamber After Cleaning

Thank you for the opportunity to offer our services to your facility. If you have any questions, please feel free to call at any time.

Sincerely,

Fratello and Amico, Inc.

Raymond B. Chain, III

Raymond B. Chain, III
President















