

## **Appendix D**

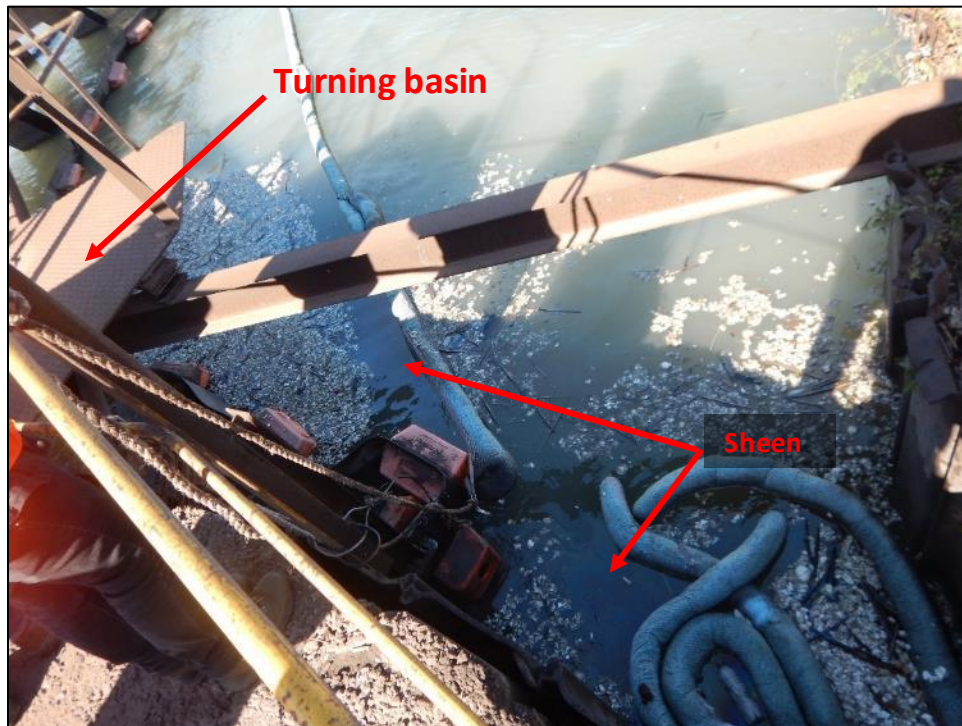
### **Photograph Log**



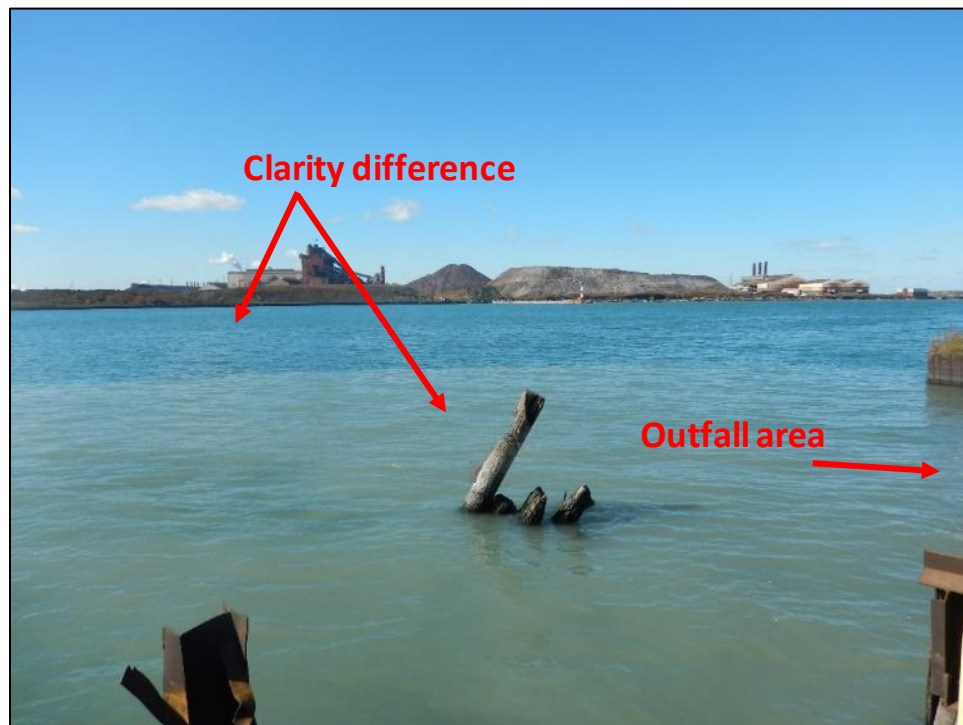
**Photograph 1. Outfall 018** – View, facing west, of the Outfall 018 composite sample shed.



**Photograph 2. Outfall 018** – View, facing west, of the Outfall 018 discharge area. Note the water was cloudy. Facility representatives stated they believed the cloudy conditions were caused by recent precipitation and wind in the lake.



**Photograph 3. Outfall 018** - View of the west end of the Outfall 018 discharge area. Sheen was observed leaking from the booms



**Photograph 4. Outfall 018** – View, facing northwest, of the Indiana Harbor Turning Basin in the vicinity of the Outfall 018 discharge area. Note the difference in water clarity.





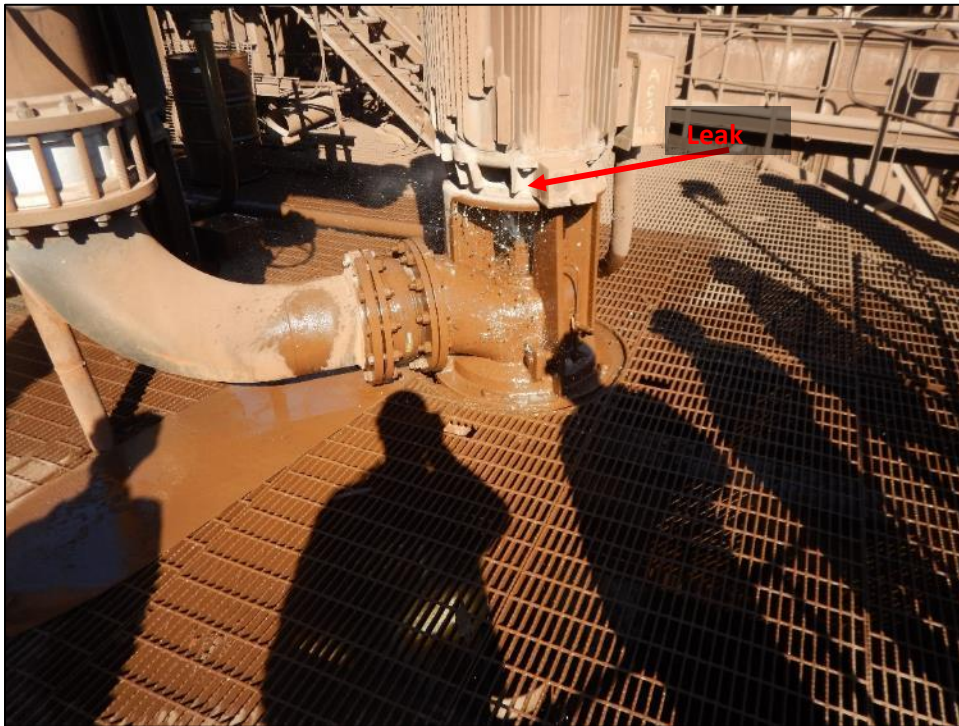
**Photograph 5. Outfall 018** – View, facing north, of Outfall 018 and adjacent limestone stockpile. Note that the material was stored beyond the concrete barrier containment and some material had migrated to the edge of the receiving water.



**Photograph 6. No. 4 Steel Plant Treatment System** – View, facing north, of the south clarifier tank.

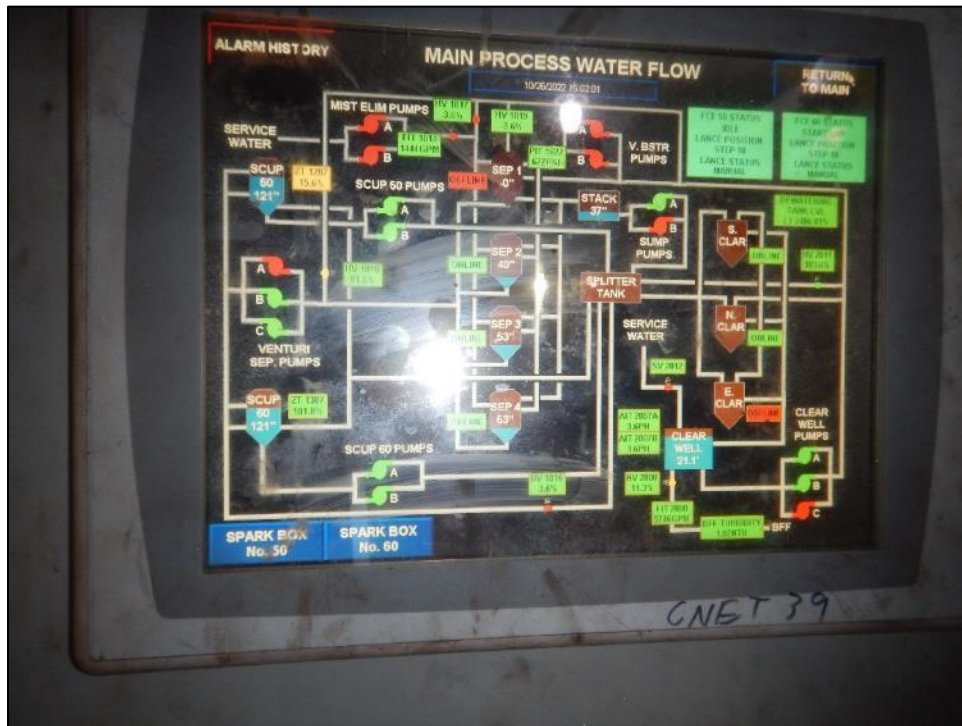


**Photograph 7. No. 4 Steel Plant Treatment System** – View of vegetation and algae in the north clarifier weirs.



**Photograph 8. No. 4 Steel Plant Treatment System** - View of a leak in the No. 8 Clearwell Pump.





**Photograph 9. No. 4 Steel Plant Treatment System** – View of the SCADA system that supports the treatment system.



**Photograph 10. No. 4 Steel Plant Treatment System** – View of the turbidimeter for Outfall 618.



**Photograph 11. No. 4 Steel Plant Treatment System - View of Sand Filter No. 3.**



**Photograph 12. No. 4 Steel Plant Treatment System - View of the Outfall 618 effluent pit.**



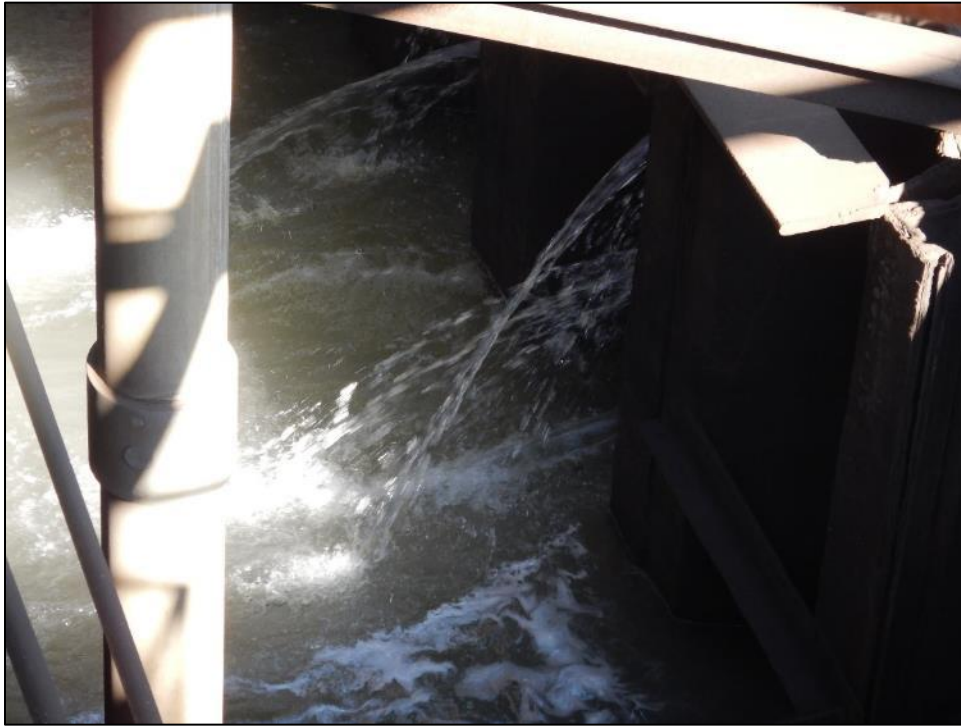


**Photograph 13. Terminal Treatment Plant West** – View, facing southwest, of the treatment plant.



**Photograph 14. Terminal Treatment Plant West** - View of a leak in a pipe entering the effluent channel.





**Photograph 15. Terminal Treatment Plant West** – View of leaks in the metal tank walls between the settling basin and effluent channel, on the north side of the plant.



**Photograph 16. Outfall 014** - View of the Outfall 014 composite sample shed.



**Photograph 17. Outfall 014 - View, facing northwest, of the vicinity of Outfall 014.**



**Photograph 18. Terminal Treatment Plant East - View, facing southeast, of the scalping tanks.**

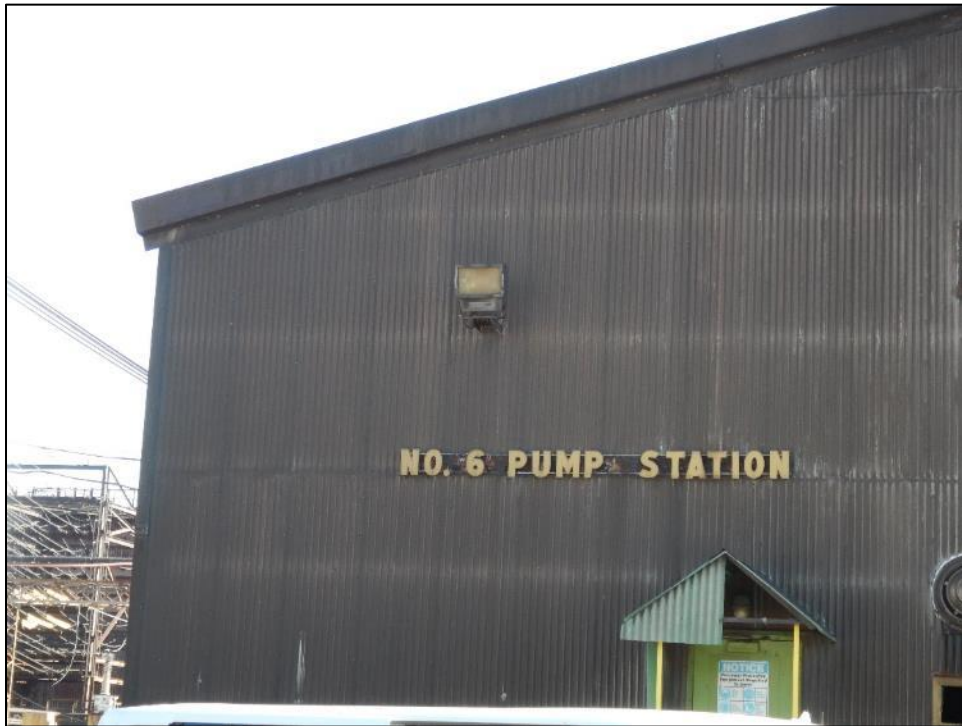




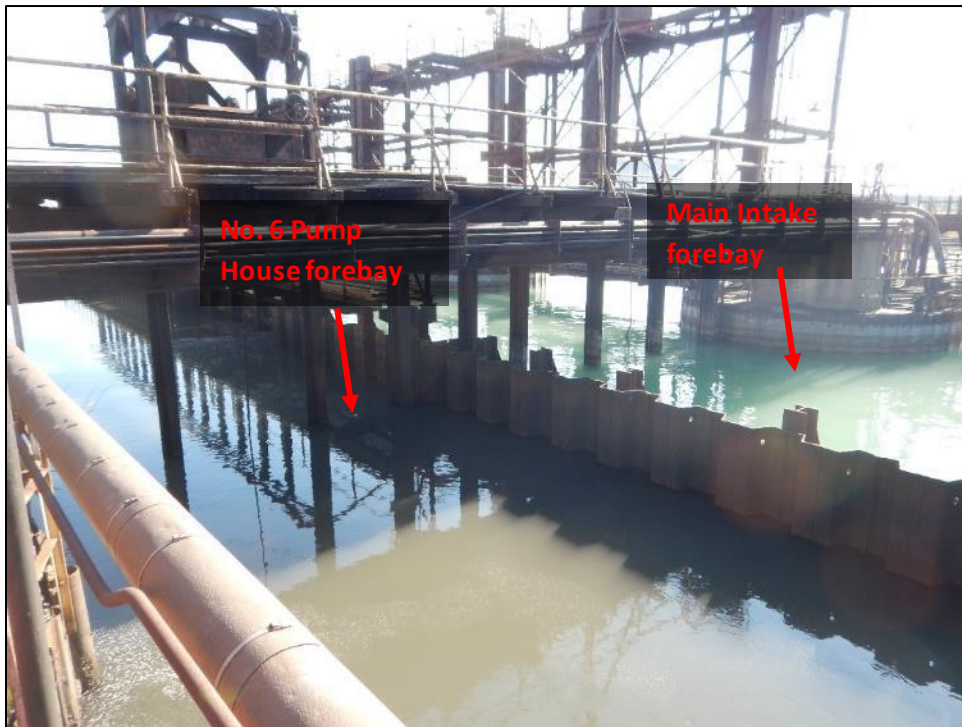
**Photograph 19. Terminal Treatment Plant East** – View, facing southwest, of the cooling towers.



**Photograph 20. Terminal Treatment Plant East** – View, facing south, of the settling basin. Oil Tech has been contacted to remove and recycle oil from the basin.



**Photograph 21. No. 6 Pump House** - View of the No. 6 Pump House building.



**Photograph 22. No. 6 Pump House** – View, facing south, of the Main Intake and No. 6 Pump House forebays. This is the location where overflows from the No. 6 Pump House side had entered into the Main Intake side in the past.





**Photograph 23. No. 7 Blast Furnace Blowdown Treatment System** – View, facing north, of the cooling towers.



**Photograph 24. No. 7 Blast Furnace Blowdown Treatment System** - View, facing northeast, of the process wastewater ponds. The small pond section in the foreground of the photo feeds the treatment system.



**Photograph 25. No. 7 Blast Furnace Blowdown Treatment System** – View, facing southeast, of the 100 Tank building (green roof).



**Photograph 26. No. 7 Blast Furnace Blowdown Treatment System** – View, facing north, of sulfuric acid and ferric chloride chemical and mixing tanks.





**Photograph 27. No. 7 Blast Furnace Blowdown Treatment System** – View, facing east, of the plant's two clarifiers.



**Photograph 28. No. 7 Blast Furnace Blowdown Treatment System** – View, facing east, of the plant's multiple reaction chambers.

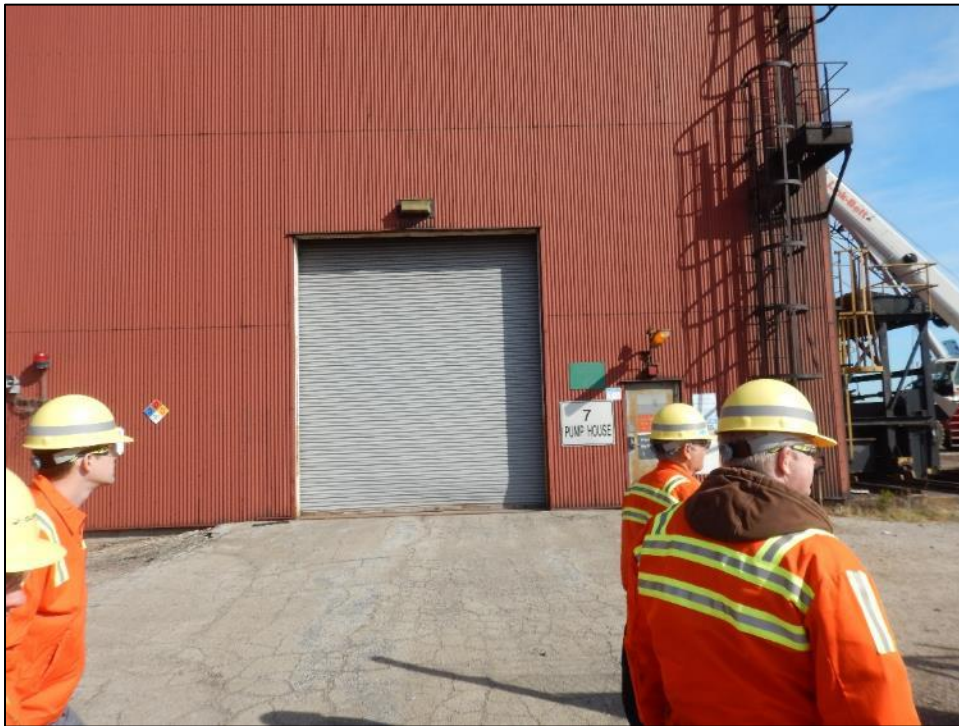


**Photograph 29. No. 7 Blast Furnace Blowdown Treatment System – View of the Outfall 518 effluent pit.**



**Photograph 30. No. 7 Blast Furnace Blowdown Treatment System – View of the Outfall 518 composite sample shed.**





**Photograph 31. No. 7 Pump House** – View, facing east, of the No. 7 Pump House building.



**Photograph 32. No. 7 Pump House** – View of the intake screens inside the pump house building.



**Photograph 33. No. 7 Pump House** – View of three of the No. 7 Pump House intake pumps (orange pump in operation).



**Photograph 34. No. 3 Sewage Treatment Plant** – View of vegetation in the primary clarifier weirs.





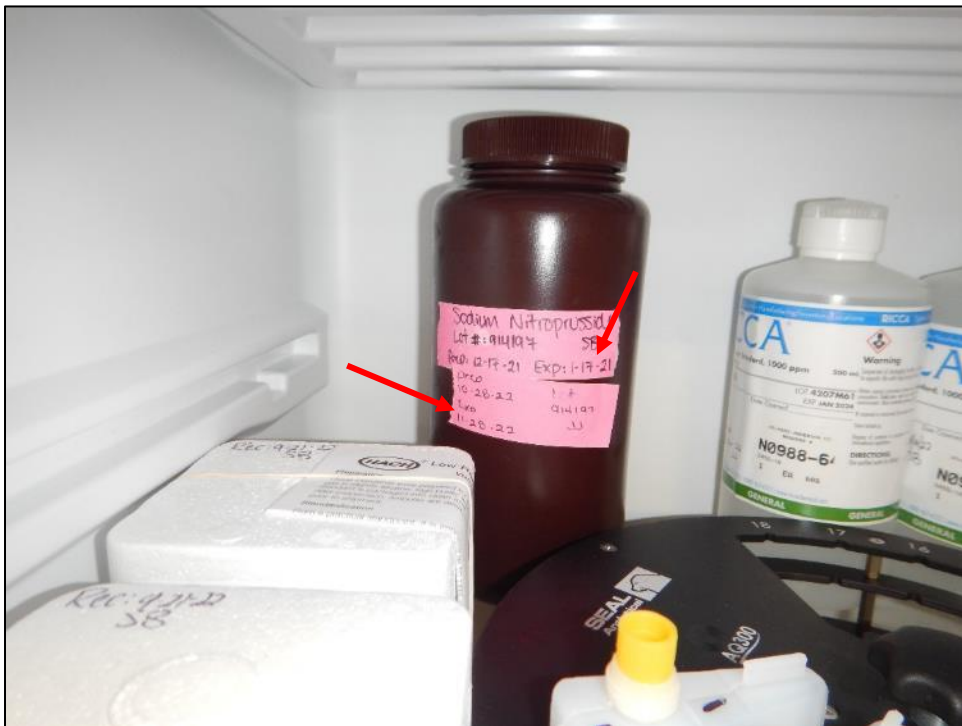
**Photograph 35. No. 3 Sewage Treatment Plant – View of the trickling filter.**



**Photograph 36. No. 3 Sewage Treatment Plant – View of algae in the weirs of the secondary clarifier.**



**Photograph 37. Outfall 011** – View, facing northeast, of the turning basin, in the vicinity of Outfall 011.



**Photograph 38. Onsite Laboratory** – View of a reagent bottle in the onsite laboratory refrigerator with labels showing expired and current dates (as of the date of the inspection, October 27, 2022).





**Photograph 39. Onsite Laboratory** – View of a titrator in the onsite lab with a sticker showing an expiration date from 2014. Laboratory representatives were unsure of what the date referred to, but stated the equipment was not being used at the time of the inspection.



**Photograph 40. Onsite Laboratory** – View of ammonia analysis reagents with expiration dates two to three weeks prior to the date of the inspection (October 27, 2022). Laboratory representatives stated new reagents would be mixed prior to the next analysis.