

NPDES - Lagoon Facilities Authorized by the General Permit

Inspection Information	Answer	Violation												
1. Facility Designated Name:														
2. Permit Number:														
3. Inspection Date:														
4. Inspection Time:														
5. Inspection Participants														
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	EQA	DEQ												
	Operator													
6. Opening Conference Notes:														
Pre Inspection	Answer	Violation												
7. Facility classification (classification document on file)														
C-1c Stabilization Ponds														
8. Designated Certified Operator														
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9. Does the current permit application identify process wastewater sources? (Cross check following on-site visit to determine if a permit modification is necessary)	NA													
10. Is a permit modification in order due to a change in name, ownership, or operations? If yes, explain in Comments.	No													
11. If the facility is a mobile home park, do any residents own their own lot? NOTE: If yes, the MHP may be considered a "system that serves the public" and subject to Part 41 requirements - including facility classification.	NA													
General Information	Answer	Violation												
12. Current population served: (systems that serve the public only):														
NA														
13. Design population (if the WWSL serves the public):														
NA														
14. Has the service area of WWSL changed since last application submittal (public system only)?	NA													
15. Design flow of the lagoons (MGD):														
Unknown														
16. Lagoon system														
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1994		2000												

17. Type of ponds

Facultative

18. Type of pond liner (more than one may apply)

Bentonite Clay (natural or compacted)

19. Draw a diagram or describe the lagoon system showing all ponds, inlets, outlets, transfer structures, receiving stream and other pertinent features. If the facility has a diagram already prepared (or you want to draw it outside of nSpect), note it in the text box and upload the diagram to MiWaters.

20. Identify the monitoring points/sampling locations:

Sample Type	Location	Acceptable
Pre-discharge sample	discharge cell	X
Effluent	distribution chute/monitoring well	X

21. Identify all treatment unit processes. If not operating properly explain in Comments.

Treatment Process	Operating Properly Yes	Operating Properly No	Operating Properly N/A
Aeration (check blowers, air distribution pattern, any breaks in the air distribution lines)			X
Spray irrigation (all spray heads working, adequate vegetative growth in irrigation fields)			X
Chemical addition for phosphorus removal			X
Disinfection			X
Sand filters			X
Final clarification			X
Other (specify in Comments)			X

22. Does the WWSL receive septage?

No

22a. If yes, does the facility have a septage receiving plan?

NA

23. Identify chemicals used in treatment system:

Chemical Name	Use/purpose	Concentration	Location feed point	Authorized (Y/N)
NA				

24. Does this facility have adequate hydraulic capacity (i.e., have all discharges been within the permitted discharge period)?

Yes

25. Has the facility had any problems with industrial or commercial discharges? If yes, describe in Comments

No

26. Has the treatment facility received any odor complaints in the last 12 months? If yes, describe in Comments.

No

27. No. of wastewater personnel recommended in the O&M Manual (public systems):

NA

28. Any bypassing of the collection system or at the WWSL since last inspection?

No

29. If yes, provide the date of bypass and date notification made to the DEQ.

Date of bypass

Date notification made to DEQ

30. Are hydraulic and/or organic overloads experienced? If yes, explain in Comments:

No

31. How is the effluent flow measured?

Weir

32. When was the flow measuring device last calibrated and how?

NA

Record Keeping

Answer

Violation

33. The facility can produce the following information:

Pre-discharge requests, Analytical Reports, Monthly Operational Reports

Does not have current copy of General Permit or COC

34. Does the permittee/consultant state that all records and information resulting from the monitoring activities required by this permit maintained for at least three years?

Yes

[40 CFR 122.41 (j) (2)] Examples include lab data, calibration and maintenance records and recordings from continuous monitoring instrumentation. If no, explain in Comments.

35. Use the Table below to spot check sets of data points (including geometric means, ladings, averages, etc.)

Facility has not discharged since 2008

Date	Sampling Point	Type of Wastewater	Parameter	Reported results (from DMR)	Site Record (from bench sheet/lab report)	Accurate?
09/29/2017	NA					

36. Monitoring Records are adequate and include: [40 CFR 122.41 (j) (3) (i-v)]

Reviewed October 2008 analytical report from Test America

Parameter	Check if included
Dates, times, frequency and location of sample collection	X
Name of individual (s) performing sampling	
Results of analyses	X
Dates of analyses	X
Name of person (s) performing analyses	X
Analytical technique or method used	X

37. Provide the name of any contract lab used for sample analysis and list the parameters analyzed by that lab in the table below.

During the discharge in October 2008, Test America analyzed pH and DO but it was outside the holding time. The Test America values were reported on the DMR.

Name of Lab	Parameter(s)
Test America	BOD5, Ammonia Nitrogen, TSS, Total Phosphorus, DO, pH

38. Evaluate the chain of custody record for the following elements:

Facility name, Sample date, Sampler name, Number of samples, Parameters to be analyzed, Preservative used

39. Does the contract lab have a QA/QC Program?

Yes

40. Does the permittee periodically review the QA/QC program associated with the analyses performed by the contract lab to ensure it is adequate?	No																																								
41. Is monitoring conducted at the frequency required in the general permit or in a reduced monitoring letter? If no, explain in Comments.	Yes																																								
42. Are laboratory data available for review including equipment calibration and maintenance records maintained [40 CFR 122.41 (j) (2)]? If no, explain in	No																																								
No on-site laboratory. Only have contract lab analytical reports.																																									
Sampling and Analytical Methods Used	Answer Violation																																								
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45. Facility has reference manuals for the test methods that they are using. If no, explain in Comments.	Yes																																								
46. Approval has been obtained for alternative test methods? If no, explain in Comments.	NA																																								
47. Facility has written procedures or manual for instruments and equipment use. If no, explain in Comments.	Yes																																								
48. Do laboratory instruments and equipment appear to be in good condition? If no, explain in Comments.	Yes																																								
49. Are laboratory equipment calibration and maintenance records maintained?	No																																								
No on-site laboratory. Need to record dates of pH calibration.																																									
50. Are QA/QC procedures in place for all required monitoring? [40 CFR 136.7 If no, explain in Comments.	Yes																																								
General Observations During Walk-Through	Answer Violation																																								
51. Are all treatment units in service? If no, explain in Comments.	NA																																								
52. Is there a minimum of 2 feet of water in all ponds? If no, explain in Comments.	Yes																																								
53. Is there a minimum of 2 feet of freeboard in all ponds? If no, explain in	Yes																																								

54. Sludge Depth:

Cell Number	Depth of sludge	Date depth was last measured	Date sludge was last removed
Cell 1	Unknown		
Cell 2	Unknown		

55. Are all staff gauges, other water level control structures and valves adequately maintained and operational? If no, explain in Comments

Yes

56. Are monitoring wells being utilized to monitor for leakage?

No

57. If yes, has the monitoring well data been evaluated by WRD staff?

NA

58. Any unusual conditions noted in the effluent, receiving water, irrigation fields, infiltration basins, or tile fields? If yes, explain in Comments.

No

59. Is there any evidence of organic overloading or anaerobic conditions (i.e., offensive odors, black color, low dissolved oxygen, etc.)? If yes, explain in Comments.

No

60. Is aquatic weed growth (i.e., cattails, duckweed, etc.) or other vegetation on the surface of the ponds or along the dikes causing treatment efficiency issues or reducing the hydraulic capacity? If yes, explain in Comments.

No

61. Is there a buildup of scum (i.e., grease, plastics, rags, etc.) on any of the ponds, dikes, or around the control structures? If yes, explain in Comments.

No

62. Are there signs of burrowing animals (i.e., muskrats, groundhogs, etc.) and/or are the dikes in need of repair? If yes, explain in Comments.

No

63. Is there any woody growth or any vegetation on the dikes greater than 6 inches tall? If yes, explain in Comments.

Yes



Photo Taken:
GPS Latitude:
GPS Longitude:
GPS Altitude:
GPS Azimuth:



Photo Taken:
GPS Latitude:
GPS Longitude:
GPS Altitude:
GPS Azimuth:

64. Is there any visual evidence of pond leakage (check berms and the outfall pipe)? If yes, explain in Comments.	No
65. Is there visual signs of erosion from the outfall structure or piping? If yes, explain in Comments.	No
66. Were the lagoons discharging at the time of the inspection? If yes, describe the condition of the effluent and receiving stream in Comments.	No
67. Any problems with wastewater treatment chemical feed system? If yes, explain in Comments.	NA
68. Any jury rigged or temporary systems to correct operation problems? If yes, explain in Comments.	No
69. Does the number of wastewater treatment personnel appear to be adequate based on observed conditions? If no, explain in Comments.	Yes
70. Is the security fence and warning signs adequately maintained? If no, explain in Comments.	No
<div data-bbox="339 644 698 1123" data-label="Image"> </div> <div data-bbox="917 665 1071 793" data-label="Text"> <p>Photo Taken: GPS Latitude: GPS Longitude: GPS Altitude: GPS Azimuth:</p> </div>	
71. Are access roads to the lagoon and dikes in good condition? If no, explain in Comments	Yes
72. Were photographs taken?	Yes
73. Have all deficiencies previously cited in inspections, enforcement actions, correspondence and verbal communications been corrected? If no, explain in Comments.	No
Weeds along berms of cells	
74. Closing Conference Notes:	
<div data-bbox="201 1423 1414 1554" data-label="Form"> <div></div> </div>	
75. Completed By:	
Anne Tavalire	

NPDES - Areas Evaluated

Areas Evaluated	Answer	Violation
1. Biosolids/Sludge Disposal		
Not Applicable		
2. Compliance Schedule		
Not Applicable		
3. Effluent/Receiving Waters		
Not Evaluated		
Facility was not discharging at the time of the inspection.		
4. Facility Site Review		
Marginal		
Vegetation on dikes continues to be a concern. The fencing around the entrance to the lagoon needs to be repaired. Recommend measuring sludge depth test.		
5. Flow Measurement		
Not Applicable		
6. Laboratory		
Not Applicable		
7. Operation & Maintenance		
Not Evaluated		
8. Permit Review		
Satisfactory		
9. Records/Reporting		
Marginal		
Operator did not have a current copy of the General Permit or COC. Need to record pH calibration dates.		
10. Sample Protocol		
Marginal		
During the October 2008 discharge, Test America analyzed pH and DO but the analysis was outside the hold time.		
11. Self-Monitoring Program		
Not Evaluated		
Facility has not discharged since October 2008.		
12. Other		