



Form Approved  
OMB No. 2040-0003

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

## NPDES Compliance Inspection Report

### Section A: National Data System Coding

|                      |     |     |     |     |                            |     |     |     |     |       |     |     |     |                      |     |     |     |     |     |           |     |     |     |     |              |     |           |     |           |  |
|----------------------|-----|-----|-----|-----|----------------------------|-----|-----|-----|-----|-------|-----|-----|-----|----------------------|-----|-----|-----|-----|-----|-----------|-----|-----|-----|-----|--------------|-----|-----------|-----|-----------|--|
| Transaction Code     |     |     |     |     |                            |     |     |     |     | NPDES |     |     |     |                      |     |     |     |     |     | Yr/Mo/Day |     |     |     |     | Inspec. Type |     | Inspector |     | Fac. Type |  |
| 1                    | [N] | 2   | [5] | 3   | [A]                        | [R] | [0] | [0] | [3] | [7]   | [2] | [4] | [9] | 11                   | 12  | [1] | [0] | [0] | [3] | [0]       | [3] | 17  | 18  | [R] | 19           | [S] | 20        | [1] |           |  |
| Remarks              |     |     |     |     |                            |     |     |     |     |       |     |     |     |                      |     |     |     |     |     |           |     |     |     |     |              |     |           |     |           |  |
| [A]                  | [F] | [I] | [N] | [0] | [8]                        | -   | [0] | [0] | [0] | [3]   | [1] | [ ] | [ ] | [ ]                  | [ ] | [ ] | [ ] | [ ] | [ ] | [ ]       | [ ] | [ ] | [ ] | [ ] | [ ]          | [ ] | [ ]       |     |           |  |
| Inspection Work Days |     |     |     |     | Facility Evaluation Rating |     |     |     |     | BI    |     | QA  |     | ----- Reserved ----- |     |     |     |     |     |           |     |     |     |     |              |     |           |     |           |  |
| 67                   | [ ] | [ ] | [ ] | 69  | 70                         | [N] | 71  | [N] | 72  | [N]   | 73  | [ ] | [ ] | 74                   | 75  | [ ] | [ ] | [ ] | [ ] | [ ]       | [ ] | [ ] | [ ] | [ ] | [ ]          | [ ] | 80        |     |           |  |

### Section B: Facility Data

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|
| Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)<br>Holiday Island WWTP<br>Section 9, Township 21 North, Range 26 West<br>Holiday Island, Carroll County, Arkansas<br>Outfall 001 located in the state of Missouri |  |  |  |  |  |  |  |  |  |  |  | Entry Time/Date<br>0955 hrs / 2010-03-03   |  |  |  |  | Permit Effective Date<br>June 1, 2005                                 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | Exit Time/Date<br>1150 hrs / 2010-03-03  |  |  |  |  | Permit Expiration Date<br>May 31, 2010                                |  |  |  |  |
| Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)<br>Mr. Kenny DeHart, Public Works Director<br>Mr. David Wilson, Operator   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Other Facility Data<br>Gate: N36 deg 29' 56.17"<br>w93 deg 45' 00.59" |  |  |  |  |
| Name, Address of Responsible Official/Title/Phone and Fax Number<br>Mr. Kenny DeHart, Public Works Director<br>Holiday Island Suburban Improvement District<br>110 Woodsdale Drive<br>Holiday Island, AR 72632 / 479-253-7211  |  |  |  |  |  |  |  |  |  |  |  | Contacted<br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |  |  |  |   |  |  |  |  |

### Section C: Areas Evaluated During Inspection (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

|   |                           |   |                         |   |                          |   |                      |
|---|---------------------------|---|-------------------------|---|--------------------------|---|----------------------|
| S | Permit                    | N | Flow Measurement        | N | Operations & Maintenance | N | Sampling             |
| N | Records/Reports           | N | Self-Monitoring Program | N | Sludge Handling/Disposal | N | Pollution Prevention |
| S | Facility Site Review      | N | Compliance Schedules    | N | Pretreatment             | N | Multimedia           |
| N | Effluent/Receiving Waters | N | Laboratory              | N | Storm Water              |   | Other:               |

### Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

See following page.

No letter to be sent.

|   |  |  |  |                  |
|---|--|--|--|------------------|
| Name(s) and Signature(s) of Inspector(s)<br>Bruce Kirkpatrick |  | Agency/Office/Telephone/Fax<br>AR Dept. of Environmental Quality-Jasper<br>870-446-6170 phone/ 870-446-2181(Fax) |  | Date<br>03/08/10 |
| Signature of Reviewer   |  | Agency/Office/Phone and Fax Numbers  |  | Date             |

Facility: Holiday Island  
Permit Number: AR0037249  
Date of site visit: March 03, 2010  
Attendees: Kevin Crosson, Holiday Island District Manager, 479-253-9700  
e-mail: [kdcrosson@hotmail.com](mailto:kdcrosson@hotmail.com)  
Kenny DeHart, Holiday Island Public Works Director, 479-253-7211  
Jeff Dehnhardt, P.E. McGoodwin, Williams & Yates, 479-443-3404  
[jdehnhardt@mwyusa.com](mailto:jdehnhardt@mwyusa.com)  
David Wilson, Holiday Island Plant Operator  
Marysia Jastrebski, P.E., ADEQ NPDES Permit Writer  
Bruce Kirkpatrick, P. E., ADEQ District 2 Water Inspector

A reconnaissance level inspection was performed in cooperation with the NPDES Permit writer to gather information necessary to renew the facility's discharge permit. Facility has completed construction of a two new oxidation ditch treatment cells which will be operated according to the Bardenpho Process to facilitate biological Phosphorus removal. The District was unable to meet the Total Phosphorus mass limit in its existing permit using the previous extended aeration package plant. Prior to this inspection, ADEQ GIS data for location of the plant and the sampling point were found to be inaccurate. Accurate measurement of coordinates of the sample point and the gate to the facility were taken.

Treatment system: Outfall 001: bar screens, flow equilization basin, 3 anaerobic basins, 2 nitrification basins with anoxic zones, 2 final clarifiers, 2 dual media filters, and chlorine disinfection. Sludge is wasted to aerobic digestor, pumped to a sludge drying beds before being landfilled.

Coordinates: DS coordinates: completely wrong – Green Forest.

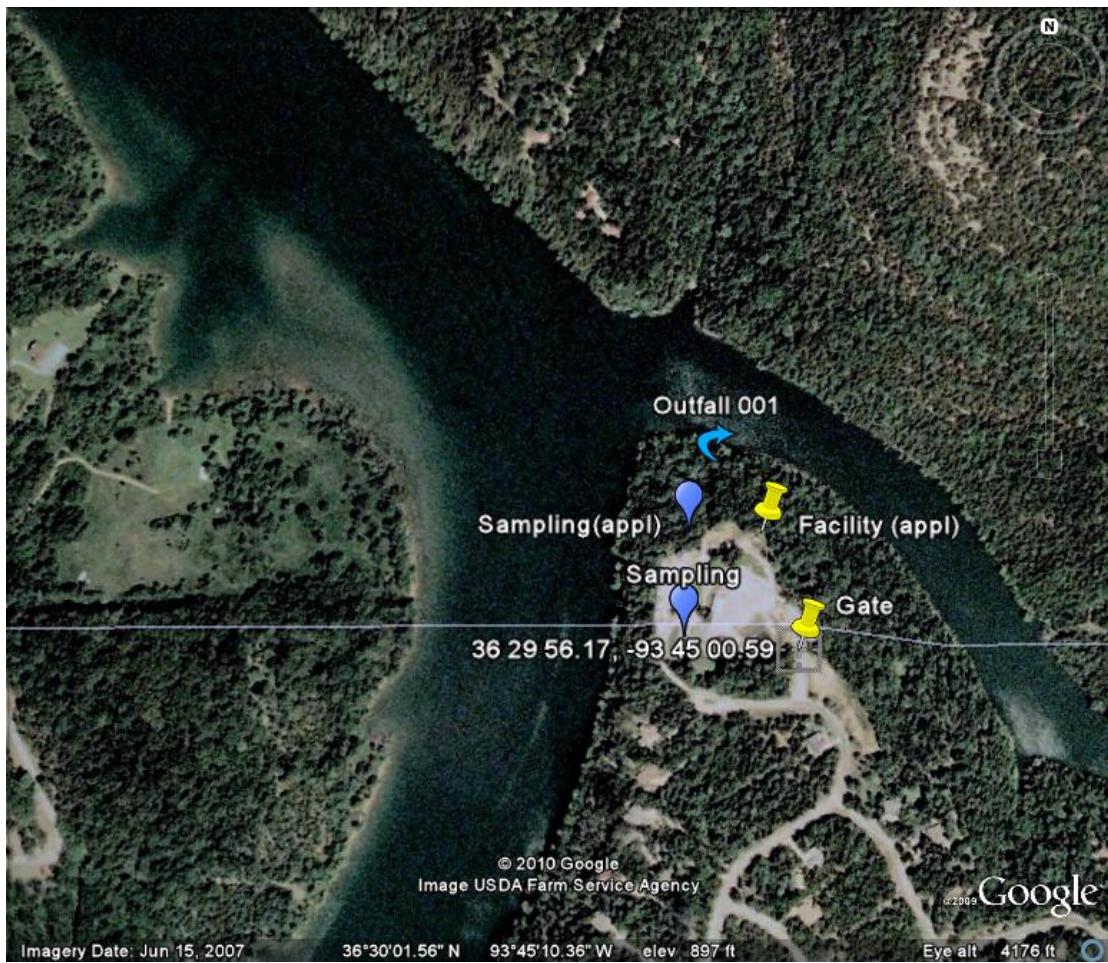
Outfall 001:  
Current permit shows 36 deg 30' 00", 93 deg 45' 05"  
GPS data could not be collected during site visit.. Outfall is submerged in Beaver Lake and is located in the state of Missouri.

Sampling:  
GPS data collected during site visit and confirmed on Google Earth: Lat: 38 deg 29' 56.60", Long: 92 deg 45' 05.25"

Gate:  
Coordinates on record at ADEQ were incorrect. GPS data collected during site visit: 36 deg 29' 56.17", 93 deg 45' 00.59"

GPS data was transferred to ADEQ GIS staff and Database was updated/corrected.

Overall google earth photo:



headworks:



equalization tank:



anoxic zone:



oxidation ditches:



aerobic + anaerobic zones:



empty train:



final clarifier:



filters:



generator:



Photo showing of plant site with Table Rock Lake in background:

