(1) S.C.H.

United States Environmental Protection Agency
Washington D.C. 20460

EPA NPDES Compliance Inspection Report

Section A: National Data System Coding

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N 2 5 3	N M 0 0 2 2 2 6 8 11 12	0 9 1 2 1 6 17 18	C 19	R 20	1

21 S I C C O D E : 4 9 5 2 66

Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved
67 69	70 71	N 72	N 73	74 75 80

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time/Date	Permit Effective Date
City of Artesia POTW **1702 Haldeman Road** **Artesia, New Mexico 88210**	**9:00 a.m. 12/16/2009** Exit Time/Date **2:15 p.m. 12/16/2009**	**06/01/2007** Permit Expiration Date **04/30/2012**

Name(s) of On-Site Representatives	Title(s)	Phone Number
Michael Stroud (mstroud@artesianm.gov)	**Superintendent**	**(575) 746-9651**

Name, Address of Responsible Official	Title	
Robert Forrest **P.O. Box 1310** **Artesia, New Mexico 88221**	**Infrastructure Director** Phone Number **(575) 746-9821**	Contacted: YES X NO ____

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

S	Permit	S	Flow Measurement	N	Storm Water	N	CSO/SSO/Sewer Overflow
U	Records/Reports	S	Self-Monitoring Program	S	Sludge Handling/Disposal	N	Pollution Prevention
S	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
S	Effluent/Receiving Waters	S	Laboratory	S	Operations & Maintenance		

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

EXECUTIVE SUMMARY: The US EPA performed a Compliance Evaluation Inspection (CEI) at the City of Artesia Waste Water Treatment Plant on December 16, 2009. The inspector met with Mr. Michael Stroud, the plant superintendent, who was present during the entire inspection including plant tour, paperwork/laboratory data evaluation, and exit interview. The facility has failed to include additional analytical data generated for their state issued groundwater permit which also requires BOD and TSS sampling. Additional issues were noted with calibration records and data corrections. However, none of these issues are expected to cause DMR violations.

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Attachments: Facility Documentation

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone	Date
David Long	**US EPA/6EN-AS/(214) 665- 7323**	12/21/2009
Signature of Reviewer Patricia Willis	Agency/Office **US EPA/6EN-AS**	Date 12-22-09

	PERMIT NUMBER: NM0022268

SECTION A – PERMIT VERIFICATION

PERMIT SATIFSFACTORILY ADDRESSES OBSERVATIONS Details: Facility will be adding a second treatment train to their operations by 2011. The $10.3 million project will add new bar screens, aeration basin, UV system, SCADA system, flow meters, pump station, belt press, and laboratory expansion.	S	M	U	NA
1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE	Y	N	NA	
2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES	Y	N	NA	
3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT	Y	N	NA	
4. ALL DISCHARGES ARE PERMITTED	Y	N	NA	

SECTION B – RECORD KEEPING AND REPORTING EVALUATION

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT Details: Seven day averages for BOD and TSS loadings have been calculated using average flow for each seven day period instead of actual flow for each day where samples were collected. However, despite the failure to properly calculation the values, no DMR violations resulted from these errors. Also, several lab documents showed cross out corrections that were lacking signatory's initials.	S	M	U	NA
1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRs	Y	N	NA	
2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE:	S	M	U	NA
a) DATES, TIME(S) AND LOCATION(S) OF SAMPLING	Y	N	NA	
b) NAME OF INDIVIDUAL PERFORMING SAMPLING	Y	N	NA	
c) ANALYTICAL METHODS AND TECHNIQUES	Y	N	NA	
d) RESULTS OF ANALYSES AND CALIBRATIONS	Y	N	NA	
e) DATES AND TIMES OF ANALYSES	Y	N	NA	
f) NAME OF PERSON(S) PERFORMING ANALYSES	Y	N	NA	
3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE Records of daily equipment calibration (i.e., pH meter, incubators, refrigerators) lacked time of calibration or reading	S	M	U	NA
4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR	S	M	U	NA
5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA	Y	N	NA	

	PERMIT NUMBER: NM0022268

SECTION C – OPERATIONS AND MAINTENANCE

TREATMENT FACILITIES PROPERLY OPERATED AND MAINTAINED Details:	S	M	U	NA
1. TREATMENT UNITS PROPERLY OPERATED	S	M	U	NA
2. TREATMENT UNITS PROPERLY MAINTAINED	S	M	U	NA
3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED Facility has a single electric feed, but also has a diesel generator in the event of power loss.	S	M	U	NA
4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE	S	M	U	NA
5. ALL NEEDED TREATMENT UNITS IN SERVICE	S	M	U	NA
6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED Facility will need additional operators once the expansion is completed.	S	M	U	NA
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED	S	M	U	NA
8. OPERATION AND MAINTENANCE MANUAL AVAILABLE	Y	N	NA	
STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED	Y	N	NA	
PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED	Y	N	NA	
9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR?	Y	N	NA	
IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED?	Y	N	NA	
HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS?	Y	N	NA	
10. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT?	Y	N	NA	
IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT?	Y	N	NA	

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SECTION D – SAMPLING

PERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS Details: Facility is required to collect BOD and TSS samples for their state issued groundwater permit, but are not reporting the data on their DMRs (Note: Groundwater monitoring does not result in additional loading since no effluent is discharged).	S	M	U	NA
1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT	Y	N	NA	
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES	Y	N	NA	
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT	Y	N	NA	
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT	Y	N	NA	
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT	Y	N	NA	
6. SAMPLE COLLECTION PROCEDURES ADEQUATE	Y	N	NA	
a) SAMPLES REFRIGERATED DURING COMPOSITING	Y	N	NA	
b) PROPER PRESERVATION TECHNIQUES USED	Y	N	NA	
c) CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136	Y	N	NA	
7. IF MONITORING AND ANALYSES ARE PERFORMED MORE OFTEN THAN REQUIRED BY PERMIT, ARE THE RESULTS REPORTED IN PERMITTEE'S SELF-MONITORING REPORT?	Y	N	NA	

SECTION E – FLOW MEASUREMENT

PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS Details: Facility can discharge to either the Pecos River under their NPDES permit or perform land application on City owned land. At the time of inspection, the WWTP was discharging to the Pecos River.	S	M	U	NA
1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED TYPE OF DEVICE : 18 inch Palmer Bowlus flume	Y	N	NA	
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED	Y	N	NA	
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT	Y	N	NA	
4. CALIBRATION FREQUENCY ADEQUATE. (DATE OF LAST CALIBRATION 05/14/2009) Third party technician only performs a two point calibration on the Greyline instrument SLT32 meter	Y	N	NA	
RECORDS MAINTAINED OF CALIBRATION PROCEDURES	Y	N	NA	
CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE.	Y	N	NA	
5. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE	Y	N	NA	
6. HEAD MEASURED AT PROPER LOCATION	Y	N	NA	
7. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES	Y	N	NA	

	PERMIT . MBER: NM0022268

SECTION F – LABORATORY

PERMITTEE LABORATORY MEETS PERMIT REQUIREMENTS Details: Only minor issues were noted during the inspection and include lack of recent calibration on the outfall sampler refrigerator. Additionally, values greater than 0.2 ppm were noted in the BOD seeded blanks	S	M	U	NA
1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES)	Y	N	NA	
2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED	Y	N	NA	
3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT	S	M	U	NA
4. QUALITY CONTROL PROCEDURES ADEQUATE	S	M	U	NA
5. DUPLICATE SAMPLES ARE ANALYZED >10 % OF THE TIME	Y	N	NA	
6. SPIKED SAMPLES ARE ANALYZED >10 % OF THE TIME	Y	N	NA	
7. COMMERCIAL LABORATORY USED	Y	N	NA	

LAB NAME	Assagai Laboratories	Huther and Associates
LAB ADDRESS	Albuquerque, New Mexico	Dallas, Texas
PARAMETERS PERFORMED	Sludge	Biomonitoring

SECTION G – EFFLUENT/RECEIVING WATER OBSERVATIONS

BASED ON VISUAL OBSERVATIONS ONLY Details: Outfall appeared healthy with fish and abundant wildlife indicators present (i.e., animal tracks)	S	M	U	NA

OUTFALL	OIL SHEEN	GREASE	TURBITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER
001	None	None	None	Non Persistent	None	Pale Yellow	

COMMENTS:

SECTION H – SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS Details: Facility generated 172 metric tons of Class A composted sludge in the previous reporting year. Twenty-five percent of the composted sludge was provided to local residents and the remainder was applied to City owned land. Some sludge is stored on site, but has not exceeded the two year holding time allowed for on-site sludge storage.	S	M	U	NA
1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY	S	M	U	NA
2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503	S	M	U	NA

3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: Land application (e.g., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE)

	PERMIT NUMBER: NM00222689

SECTION I – SAMPLING INSPECTION PROCEDURES

1. SAMPLES OBTAINED THIS INSPECTION.	Y	N	NA
2. TYPE OF SAMPLE OBTAINED GRAB _____ COMPOSITE SAMPLE _____ METHOD_____ FREQUENCY			
3. SAMPLES PRESERVED	Y	N	NA
4. FLOW PROPORTIONED SAMPLES OBTAINED	Y	N	NA
5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE.	Y	N	NA
6. SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE	Y	N	NA
7. SAMPLE SPLIT WITH PERMITTEE	Y	N	NA
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED	Y	N	NA
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT	Y	N	NA