



NEW MEXICO
ENVIRONMENT DEPARTMENT



Surface Water Quality Bureau

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ERIKA SCHWENDER
Director
Resource Protection Division

Certified Mail - Return Receipt Requested

August 16, 2013

Ms. Sue Padilla
County Manager
Dona Ana County
845 N. Motel Blvd.
Las Cruces, NM 88007

RE: **Major-Municipal; SIC 4952; NPDES Compliance Evaluation; CRRUA - Sunland Park Waste Water Treatment Plant; NM0029483; July 18, 2013**

Dear Ms. Padilla:

Enclosed, please find a copy of the report for the referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA in Dallas, for their review. These inspections are used by USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the Clean Water Act.

Problems noted (if any) during this inspection are discussed in the Further Explanations section of this inspection report. You are encouraged to review the inspection report, and required to correct any problems noted during the inspection, and to modify your operational and/or administrative procedures, as appropriate. Further, you are encouraged to notify, in writing, both USEPA (Diana McDonald, USEPA (6EN-WC), 1445 Ross Ave., Dallas, TX 75202) and NMED (at the above address) regarding modifications and compliance schedules. Thank you for the cooperation and assistance of Kurt Moffat, Ashley Firl and Carlos Arellano during this inspection. If you have any questions about this inspection report, please contact me at 505-827-0212 or barbara.cooney@state.nm.us

Sincerely,

/s/ Barbara Cooney

Surface Water Quality Bureau

Cc: Rashida Bowlin, USEPA (6EN-AS) by email
Diana McDonald, USEPA (6EN-WM) by email
Hannah Branning, USEPA (6EN-AS) by email
Darlene Whitten-Hill, USEPA (6EN-AS) by email
Carol Peters-Wagnon, USEPA (6EN-WM) by email
Brent Larsen, USEPA (6EN-PP) by email
Michael Kesler, NMED Dist. 3 Mgr, by email



Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

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 N M 0 0 2 9 4 8 3 11 12 1 3 0 7 1 8 17 18 C 19 S 20 1					
Remarks					
M A J O R M U N I C I P A L C R R U A S U N L A N D					
Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved	
67 1 69	70 3	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) Camino Real Regional Utility Authority (CRRUA) Sunland Park WWTP 1000 McNutt Road Sunland Park, NM 88063 Dona Ana County	Entry Time /Date 0830 Hours / 18 July 2013	Permit Effective Date 1 October 2007
	Exit Time/Date 1147 Hours / 18 July 2013	Permit Expiration Date 30 September 2012 Administratively Extended
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Kurt Moffat – Operations Manager 575-525-6193 / or 575-647-7142 fax 575-526-6199 Ashley Firl – Lead Operator 575-202-7173 Carlos Arellano – Operator 915-238-8740	Other Facility Data SIC CODE 4952 Outfall at Rio Grande River Coordinates in Decimal Degrees Latitude: N31.79866 Longitude: W106.55733	
Name, Address of Responsible Official/Title/Phone and Fax Number Sue Padilla / Assistant County Manager / 575-525-6193 / fax 575-525-6199 Camino Real Regional Utility Authority (CRRUA) Sunland Park WWTP 1000 McNutt Road Sunland Park, NM 88063	Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

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

S	Permit	S	Flow Measurement	S	Operations & Maintenance	N	CSO/SSO
S	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	U	Laboratory	N	Storm Water	N	Other:

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

SEE THE FURTHER EXPLANATIONS SECTIONS OF THE ATTACHED REPORT

Name(s) and Signature(s) of Inspector(s) /s/ BARBARA COONEY	Agency/Office/Telephone/Fax NMED/SWQB 505-827-0212 / 505-827-0160	Date August 16, 2013
Signature of Management QA Reviewer /s/ BRUCE YURDIN	Agency/Office/Phone and Fax Numbers 505-827-0187 / 505-827-0160	Date August 16, 2013

SECTION A - PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS S M U NA (FURTHER EXPLANATION ATTACHED YES)

DETAILS:

1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE Y N NA2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES Y N NA3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT Y N NA4. ALL DISCHARGES ARE PERMITTED Y N NA

SECTION B - RECORDKEEPING AND REPORTING EVALUATION

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT. S M U NA (FURTHER EXPLANATION ATTACHED Yes)

DETAILS:

1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRs. Y N NA2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE. S M U NAa) DATES, TIME(S) AND LOCATION(S) OF SAMPLING Y N NAb) NAME OF INDIVIDUAL PERFORMING SAMPLING Y N NAc) ANALYTICAL METHODS AND TECHNIQUES. Y N NAd) RESULTS OF ANALYSES AND CALIBRATIONS. Y N NAe) DATES AND TIMES OF ANALYSES. Y N NAf) NAME OF PERSON(S) PERFORMING ANALYSES. Y N NA3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE. S M U NA4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR. Not Evaluated S M U NA5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA. Y N NA

SECTION C - OPERATIONS AND MAINTENANCE

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED. S M U NA (FURTHER EXPLANATION ATTACHED Yes)

DETAILS:

1. TREATMENT UNITS PROPERLY OPERATED. S M U NA2. TREATMENT UNITS PROPERLY MAINTAINED. S M U NA3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED. S M U NA4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE. S M U NA5. ALL NEEDED TREATMENT UNITS IN SERVICE. S M U NA6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED. S M U NA7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED. S M U NA8. OPERATION AND MAINTENANCE MANUAL AVAILABLE. Y N NASTANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED. Y N NAPROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED Not Evaluated. Y N NA

SECTION C - OPERATIONS AND MAINTENANCE (CONT'D)

9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR?
 IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED?
 HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS?

Y N NA
 Y N NA
 Y N NA

10. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT?
 IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT?

Y N NA
 Y N NA

SECTION D - SELF-MONITORING

PERMITTEE SELF-MONITORING MEETS PERMIT REQUIREMENTS.
 DETAILS:

S M U NA (FURTHER EXPLANATION ATTACHED Yes.)

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 136.3.

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:

S M U NA (FURTHER EXPLANATION ATTACHED Yes.)

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED.
 TYPE OF DEVICE

Y N NA

2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED.

Y N NA

3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED.

Y N NA

4. CALIBRATION FREQUENCY ADEQUATE. (DATE OF LAST CALIBRATION 2012)
 RECORDS MAINTAINED OF CALIBRATION PROCEDURES.
 CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE.

Y N NA
 Y N NA
 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

SECTION F - LABORATORY

PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS.
 DETAILS:

S M U NA (FURTHER EXPLANATION ATTACHED Yes.)

1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES)

Y N NA

SECTION F - LABORATORY (CONT'D)2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED Y N NA3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT. S M U NA4. QUALITY CONTROL PROCEDURES ADEQUATE. S M U NA5. DUPLICATE SAMPLES ARE ANALYZED. 10 % OF THE TIME. Y N NA6. SPIKED SAMPLES ARE ANALYZED. 10 % OF THE TIME. Y N NA7. COMMERCIAL LABORATORY USED. Y N NALAB NAME Water Technology Associates (Doug Roby)Bio Aquatics

3501 Mesilla Hills Dr.

Carrollton, TX

LAB ADDRESS Las Cruces, NM 88005

PARAMETERS PERFORMED BOD, TSS, E coli

Whole Effluent Toxicity

SECTION G - EFFLUENT/RECEIVING WATERS OBSERVATIONS. S M U NA (FURTHER EXPLANATION ATTACHED No.)

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
O1	None	None	None	None	None	Clear	NA

RECEIVING WATER OBSERVATIONS

SECTION H - SLUDGE DISPOSALSLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED No.)
DETAILS:1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY. S M U NA2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503. S M U NA

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

SECTION I - SAMPLING INSPECTION PROCEDURES (FURTHER EXPLANATION ATTACHED No.)1. SAMPLES OBTAINED THIS INSPECTION. Y N NA

2. TYPE OF SAMPLE OBTAINED

GRAB _____ COMPOSITE SAMPLE _____ METHOD _____ FREQUENCY _____

3. SAMPLES PRESERVED. Y N NA4. FLOW PROPORTIONED SAMPLES OBTAINED. Y N NA5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE. Y N NA6. SAMPLE REPRESENTATIVE OF VOLUME AND MATURE OF DISCHARGE. Y N NA7. SAMPLE SPLIT WITH PERMITTEE. Y N NA8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED. Y N NA9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT. Y N NA

Introduction

On July 18, 2013 a Compliance Evaluation Inspection (CEI) was conducted at the Camino Real Regional Utility Authority (CRRUA) Sunland Park Wastewater Treatment Plant (WWTP) by Barbara Cooney of the State of New Mexico Environment Department (NMED), Surface Water Quality Bureau (SWQB). The inspection was conducted by NMED for the US Environmental Protection Agency (USEPA), Region VI, under the National Pollutant Discharge Elimination System (NPDES) permit program, in accordance with the Federal Clean Water Act. These inspections are conducted under contract with the USEPA and are used by USEPA to evaluate compliance with the NPDES permit program. This inspection report is based on information supplied by the City of Santa Rosa representatives (the permittee), observations made by the NMED inspectors, reports and records kept by the permittee and/or NMED.

The CRRUA - Sunland Park WWTP is classified as a major municipal discharger under the Federal Clean Water Act (CWA), section 402 NPDES permit program, and is assigned NPDES permit number NM0020483. The Standard Industrial Classification Code (SIC) is 4952. The facility is permitted for a design flow of 2.0 Million Gallons per Day (MGD). The discharge for the WWTP enters The Rio Grande in Water Quality Segment 20.6.4.101 NMAC at Latitude N 31.79866, Longitude W 106.55733 in decimal degrees. The Designated Uses for this segment of the river are: irrigation, marginal warmwater aquatic life, livestock watering, wildlife habitat, and primary contact.

Inspection Details

The inspector arrived at the CRRUA Sunland Park WWTP at 0830 hours and met with Ms. Ashley Firl, Lead Operator and Mr. Carlos Arellano, Operator. The inspector spoke on the phone with Mr. Kurt Moffat, Operations Manager, who was unavailable during the inspection. The inspector showed her credentials and explained the purpose of the inspection. Ms. Firl and Mr. Arellano accompanied the inspector on a tour of the facility. A records review and laboratory inspection was conducted following the plant tour. Additional records were requested by the inspector and provided by the facility representatives, for further review by the inspector. An exit interview was conducted following the inspection with Ms. Firl and Mr. Arellano. Preliminary findings were discussed during the exit interview. The inspector left the facility at 1147 hours.

Treatment Scheme

Wastewater is pumped to the WWTP by eight lift stations. At the treatment plant a main lift station lifts the wastewater up to the treatment units. Influent then goes through the entrance works which consists of an automatic bar screen with a manual backup, a grit chamber for grit removal. Solids collected from the bar screen and grit chamber are disposed in the local landfill. The lift station is attached to an alarm system which protects against overflow problems. An additional lift station has been constructed near the Sunland Park North (Santa Teresa) Wastewater Treatment Plant, which is used to transport wastewater to the Sunland Park facility, for treatment.

The wastewater flow then enters the aeration basin. Air is provided by four blowers. Two blowers run continuously while one is resting and these units are alternated on a daily basis. Wastewater flows to two circular final clarifiers from the aeration basin. At the time of this inspection the units effluent looked relatively clear.

Contents of the final clarifier are discharged to the ultraviolet (UV) disinfection unit. The effluent proceeds through an effluent flow box. The effluent flow is measured using a 12 inch Parshall flume, an instantaneous flow meter and totalizer. Samples for NPDES permit monitoring are collected from this unit. The flow is then discharged via an underground pipe to the Rio Grande in Segment 20.6.4.101 NMAC of the Rio Grande Basin.

Return Activated Sludge (RAS) is sent back to the aeration basin from the final clarifiers.

Solids

Waste Activated Sludge (WAS) is pumped to the sludge thickener and then to the four cell aerobic digester. Sludge from the digester is then pumped to the belt filter press. Pressed sludge is placed into a truck to be transported to the local landfill. The belt filter press is operated on a daily basis for approximately 4 hours. Presently the drying beds are used as a backup only for this facility in case the belt filter press goes down. A polymer is added to the sludge as it enters the belt filter press to allow for greater separation of the water and solids. Dried sludge is hauled to the local landfill where it is stockpiled and then mixed with cover dirt for disposal in the landfill. The sludge disposal site is restricted from public access.

Further Explanations

Note: The sections are arranged according to the format of USEPA Form 3560-3 and checklist, attached, rather than being ranked in order of importance.

Permit

Overall Rating For Permit Verification (Satisfactory)

The permit was effective on October 1, 2007 through September 30, 2013. This permit has been administratively extended by the EPA following the submittal of the renewal permit application by the permittee. EPA is expected to issue a renewed permit in the near future.

Record Keeping and Reporting

Overall Rating For Record Keeping and Reporting (Satisfactory)

Permit Requirements For Record Keeping and Reporting

The permit requires, in III. C. Monitoring and Records

1. Inspection and Entry

The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by the law to:

- a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;*
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;*

- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit; and*
- d. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the Act, any substances or parameters at any location.*

Findings For Recordkeeping and Reporting

Records were reviewed for the month of May 2013. Concerns found during the records review are noted below under the sections for Self-Monitoring and Laboratory.

The EPA is encouraging permittees to transition from submitting DMRs as paper copies to the NetDMR system. Information on the NetDMR training can be found at:

<http://epa.gov/netdmr/about/training.html>

Additionally, the State conducts classes on a periodic basis, through the Operator Certification Schools. Facility personnel are encouraged to attend these training sessions.

Operations And Maintenance

Overall Rating For Operation and Maintenance (Satisfactory)

Permit Requirements For Operation And Maintenance

The permit requires in Part III. B.

3. Proper Operations and Maintenance

a. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by permittee as efficiently as possible and in a manner that which will minimize upsets and discharges of excessive pollutants and will achieve compliance with the condition of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

b. The permittee shall provide an adequate operating staff which is duly qualified to carry out operation, maintenance and testing functions required to insure compliance with the conditions of this permit.

Findings For Operation and Maintenance

1. Some uneven flow and short circuiting was observed in the secondary clarifiers. This is likely the result of the units settling into the ground over the years. However the weirs were clean and free of debris and excessive algae build up.

2. The RAS and WAS pumps were leaking fluids and appeared to require extra maintenance due to age. One pump was offline for repairs.

3. The blowers that provide aeration appeared to be well maintained. Some small amount of leaking oil was observed.
4. The operational staff were knowledgeable and the overall maintenance at the WWTP indicated that adequate operational staffing was present.

Self-Monitoring

Overall Rating For Self Monitoring (Satisfactory)

Permit Requirements For Self Monitoring

The permit requires in Part III. C. Monitoring and Records.

2. Representative Sampling

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

3. Retention of Records

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report, or application. The period may be extended by request of the Director at any time.

Findings For Self Monitoring

Records were reviewed for the month of May 2013.

1. Laboratory records did not include the date of analysis for samples collected on 5/15/2013.

Flow Measurement

Overall Rating For Flow Measurement (Satisfactory)

Permit Requirements For Flow Measurements:

The permit requires in Part III C. 6. FLOW MEASUREMENTS:

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed calibrated, and maintained to insure that the accuracy of the measurements is consistent with the accepted capability of that type of device. Devices selected, shall be capable of measuring flow with a maximum deviation 10% from true discharge rates throughout the range of expected discharge volumes.

Findings For Flow Measurements

1. The permittee does not do self calibration checks. To conduct these checks, the staff gauge should be read at the same time another person reads the pressure gauge readout in the laboratory. This should be recorded. The flow meter is calibrated annually by a contractor.

Laboratory

Overall Rating For Laboratory (Unsatisfactory)

Permit Requirements For Laboratory

The perm requires in Part C. Monitoring and Records. 4. Records Content

Records of monitoring information shall include:

- a. The date, exact place, and time of sampling or measurements;
- b. The individual(s) who preformed the sampling or measurement;
- c. The date(s) and time(s) analyses were performed;
- d. The individual(s) who performed the analyses;
- e. The analytical techniqueor method used; and
- f. The results of such analyses.

The permit requires in Part C. Monitoring and Records. 5. Monitoring Procedures

- a. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit or approved by the Regional Administrator.
- b. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instruments at intervals frequent enough to insure accuracy of measurements and shall maintain appropriate records of such activities.
- c. An adequate analytical quality control program, including the analyses of sufficient standards, spikes, and duplicate samples to insure the accuracy of all required analytical results shall be maintained by the permittee or designated commercial laboratory.

Findings For Laboratory

1. Samples collected are not properly stored and re Fridgerated before and during transport to the laboratory.
2. The pH meter probe was not stored properly in either a storage solution or a buffer.
3. Duplicate samples were not analyzed for quality control at the onsite laboratory.
4. Bench Sheet for E.coli Bacteria for the sample date 5/15/2013 does not list the analysis date. The times of sampling and the time of analysis are listed.

Effluent And Receiving Water

Overall Rating For Effluent And Receiving Water (Satisfactory)

SLUDGE HANDLING

Overall Rating For Sludge Handling (Satisfactory)

NMED/SWQB
Official Photograph Log
Photo # 1

Photographer: Google Earth

Date: July 18, 2013

Time: Unknown

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Aerial View



Outfall at the Rio Grande

NMED/SWQB
Official Photograph Log
Photo # 2

Photographer: B. Cooney

Date: July 18, 2013

Time: 0913 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Outfall at the Rio Grande. The outfall pipe is below the river water surface. A large volume of water was being released from Caballo Reservoir upstream.



NMED/SWQB
Official Photograph Log
Photo #3

Photographer: B. Cooney

Date: July 18, 2013

Time: 0915 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Rio Grande at the Outfall – looking downstream towards Texas.



NMED/SWQB
Official Photograph Log
Photo #4

Photographer: B. Cooney

Date: July 18, 2013

Time: 0916 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Outfall Coordinates N31.79866 W106.55733 Decimal Degrees



NMED/SWQB
Official Photograph Log
Photo # 5

Photographer: B. Cooney

Date: July 18, 2013

Time: 0921 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Influent lift station with Flygt pumps – located before the bar screen and any solids removal.



NMED/SWQB
Official Photograph Log
Photo # 6

Photographer: B. Cooney

Date: July 18, 2013

Time: 0944 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Influent pipes from the Racetrack and town. The mechanical bar screen is at the top right of the photo.



NMED/SWQB
Official Photograph Log
Photo # 7

Photographer: B. Cooney

Date: July 18, 2013

Time: 0925 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Influent mechanical bar screen.



NMED/SWQB
Official Photograph Log
Photo # 8

Photographer: B. Cooney

Date: July 18, 2013

Time: 0925 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Influent grit removal system below the bar screen at the headworks.



NMED/SWQB
Official Photograph Log
Photo # 9

Photographer: B. Cooney

Date: July 18, 2013

Time: 0941 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Another view of the grit removal system. Grit collected in the hopper is disposed of at the landfill after passing the paint filter test.



NMED/SWQB
Official Photograph Log
Photo # 10

Photographer: B. Cooney

Date: July 18, 2013

Time: 0924 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Influent grit removal.



NMED/SWQB
Official Photograph Log
Photo # 11

Photographer: B. Cooney

Date: July 18, 2013

Time: 0928 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Aeration basins



NMED/SWQB
Official Photograph Log
Photo # 12

Photographer: B. Cooney

Date: July 18, 2013

Time: 0935 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Aeration basins – The basins were mostly free of accumulated foam. The diffusers appeared to adequately aerate the basins. Significant dead spots were not observed.



NMED/SWQB
Official Photograph Log
Photo # 13

Photographer: B. Cooney

Date: July 18, 2013

Time: 0936 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Aeration basins – Solids and foam along the outer wall.



NMED/SWQB
Official Photograph Log
Photo # 14

Photographer: B. Cooney

Date: July 18, 2013

Time: 0947 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Blowers that provide aeration appear to be well maintained. Some small amount oil leaking was observed.



NMED/SWQB
Official Photograph Log
Photo # 15

Photographer: B. Cooney

Date: July 18, 2013

Time: 0949 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: RAS and WAS pumps were leaking fluids and were under repair.



NMED/SWQB
Official Photograph Log
Photo # 16

Photographer: B. Cooney

Date: July 18, 2013

Time: 0956 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Clarifier with two foot sludge blanket. Some uneven flow and short circuiting was observed. The weirs were clean and free of debris and algae accumulation.



NMED/SWQB
Official Photograph Log
Photo # 17

Photographer: B. Cooney

Date: July 18, 2013

Time: 1003 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Screens to catch floating solids before Ultraviolet Disinfection and discharge to the Rio Grande.



NMED/SWQB
Official Photograph Log
Photo # 18

Photographer: B. Cooney

Date: July 18, 2013

Time: 1005 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Ultraviolet Disinfection System. Bulbs were clean and free of debris and algae.



NMED/SWQB
Official Photograph Log
Photo # 19

Photographer: B. Cooney

Date: July 18, 2013

Time: 1008 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Effluent flow meter staff gauge – a backup pressure sensor gauge is also in place for flow reading. Effluent was clear and free of foam and floating solids.



NMED/SWQB
Official Photograph Log
Photo # 20

Photographer: B. Cooney

Date: July 18, 2013

Time: 1008 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Sludge Drying Beds. – The beds are cement lined. Some track out was observed.



NMED/SWQB
Official Photograph Log
Photo # 21

Photographer: B. Cooney

Date: July 18, 2013

Time: 1016 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: Influent and Effluent Flow meters



NMED/SWQB
Official Photograph Log
Photo # 22

Photographer: B. Cooney

Date: July 18, 2013

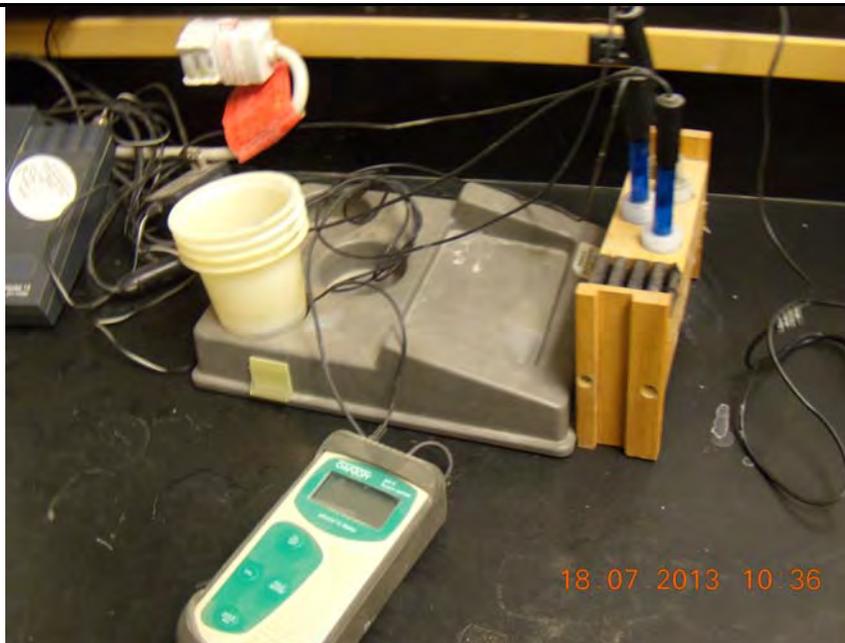
Time: 1036 hours

City/County: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: On-site Laboratory: pH meter. Electrode is stored in distilled water. For proper care store in pH storage or buffer solution.



**NMED/SWQB
Official Photograph Log
Photo # 23**

Photographer: B. Cooney

Date: July 18, 2013

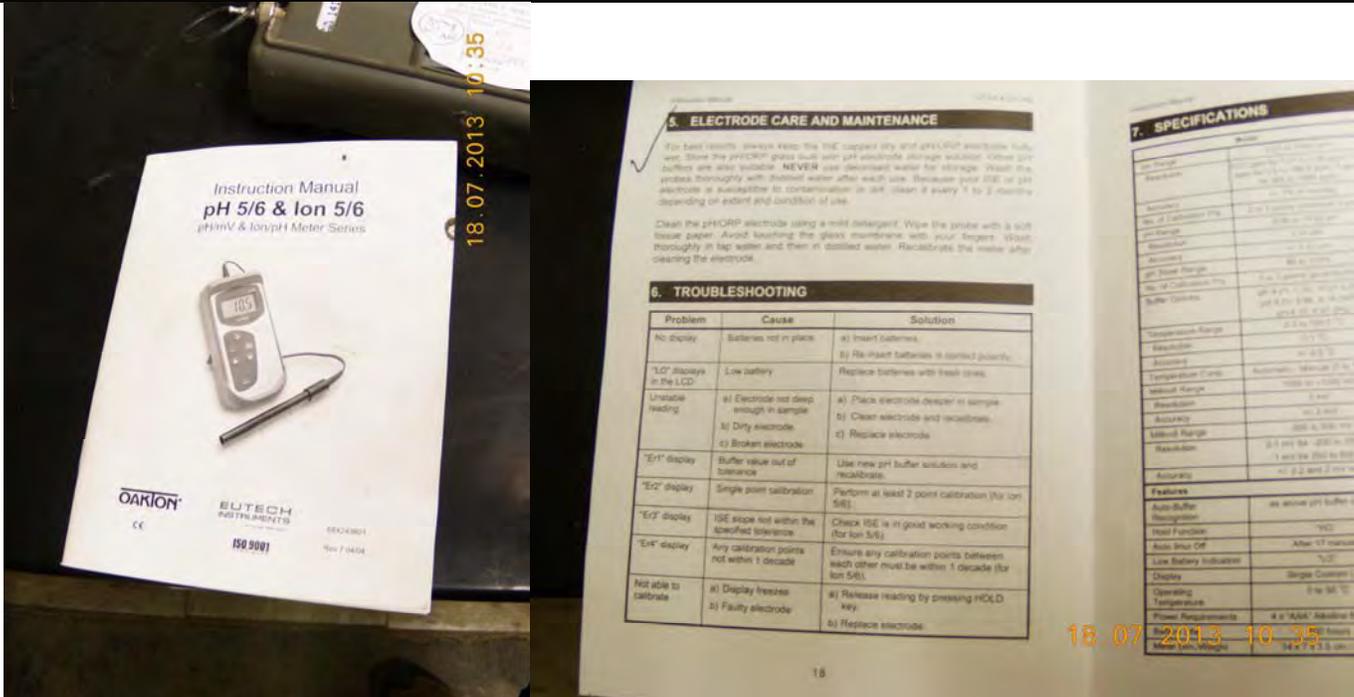
Time: 1035 hours

City/Country: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: pH meter manual instruction for electrode care: "Store the pH/ORP glass bulb with pH electrode storage solution. Other pH buffers are also suitable. NEVER use deionized water for storage"



**NMED/SWQB
Official Photograph Log
Photo # 24**

Photographer: B. Cooney

Date: July 18, 2013

Time: 1026 hours

City/Country: Sunland Park / Dona Ana

State: New Mexico

Location: CRRUA Sunland Park Wastewater Treatment Plant

Subject: pH buffers did not have the date when it was opened written on the bottles or recorded anywhere.

