

Region 6 - Enforcement & Compliance Assurance Division
INSPECTION REPORT

Inspection Date(s):	12/6/2023	
Media Program:	Water	
Regulatory Program(s)	NPDES	
Company Name:	Village of Los Lunas	
Facility Name:	Los Lunas Wastewater Treatment Plant	
Facility Physical Location:	1960 Heaton Loop SE	
(city, state, zip code)	Los Lunas, New Mexico	
Mailing address:	Post Office Box 1209	
(city, state, zip code)	Los Lunas, New Mexico	
County/Parish:	Valencia	
Facility Phone Number	505-352-7675	
Facility Contact:	Craig Byers	WWTP Superintendent
	byersc@loslunasnm.gov	
FRS Number:	110011027511	
Identification/Permit Number:	NM0020303	
Media Identifier Number:	NA	
NAICS:	221320	
SIC:	4952	
Personnel participating in inspection:		
Angel Martinez	Village of Los Lunas	WWTP Operator (Lab)
Victor Gonzales	Village of Los Lunas	WWTP Operator (Lab)
David Esparza	USEPA/R6-ECDWM	Environmental Engineer
EPA Lead Inspector Signature/Date		
	David Esparza	Date
Supervisor Signature/Date		
	Roberto Bernier	Date

Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Region 6 inspector David Esparza arrived at the Village of Los Lunas, Wastewater Treatment Plant (WWTP) at 8:30 AM on December 6, 2023, for an unannounced inspection. I met with Ms. Angel Martinez and Mr. Victor Gonzales, both operators within the WWTP Laboratory. Note: I spoke with Mr. Craig Byers the WWTP Superintendent by telephone prior to the Opening Conference. I presented my credentials to Ms. Martinez and Mr. Gonzales and informed them that this was an EPA inspection to determine the WWTP's compliance under the Clean Water Act (CWA). This CEI was conducted under the authority of the National Pollutant Discharge Elimination System (NPDES) permit program, in accordance with the CWA. The generation of this report is based on information supplied by Village of Los Lunas representatives, observations made by the EPA inspector, and records and reports maintained by the permittee (Village of Los Lunas), and the EPA. Before leaving the facility on December 6, 2023, an exit briefing was held with Ms. Martinez and Mr. Gonzales to explain areas of concern noted at the time of the inspection.

FACILITY DESCRIPTION

The WWTP is a major discharger with a design flow of 2.7 million gallons per day (MGD), with an average daily flow of approximately 1.3 MGD. The treatment facility is located at 1960 Heaton Loop SE, Los Lunas, Valencia County, New Mexico (depicted in Aerial Image #1). The WWTP facility serves a population of approximately 18,000. The facility is operated from 7:00 am to 4:00 pm Monday through Friday with a total of 13 full-time staff. An on-call rotating staff system is maintained on the weekends.

The overall WWTP is a combination of two treatment processes with a combined sludge treatment and disposal process. The first treatment process is a conventional activated sludge (CAS) system which was first commissioned about 1980 and is still in operation with a rated capacity of 0.9 MGD comprised of a head works structure, two aeration basins, two clarifiers and an ultraviolet (UV) disinfection channel. The UV disinfection channel consists of two systems in series with eight modules containing eight bulbs each (totaling 128 bulbs). The CAS entrance works consists of coarse screening via a mechanical rake bar screen while grit is removed by an aerated grit chamber. Additionally, the CAS maintains an on-site generator in the event of a power outage supplied by a 300-gallon diesel fuel storage tank.

The second treatment process is a membrane bioreactor (MBR) facility configured for biological nitrogen removal. The MBR was commissioned in 2009 and had a design capacity of 0.9 MGD. In 2015, the MBR was upgraded with additional membrane cassettes that increased the treatment capacity to 1.8 MGD and is comprised of anoxic basin, pre-aeration, MBR membrane basins and ultraviolet (UV) Disinfection. The additional membrane cassettes brought the total capacity of the WWTP to the permitted 2.7 MGD and an average daily flow volume of 1.3 MGD. Additionally, the MBR maintains an on-site generator in the event of a power outage supplied by a 660-gallon diesel fuel storage tank.

Each of the two plants service different geographical portions of the community with approximately 21 lift stations (LSs) contributing to each plant (See Table 1 on Page 4). Raw sewage is received through a gravity line into the influent lift station. Flows from several nearby facilities and treatment structures, and a bypass line from the MBR plant are also plumbed to the influent line. The wastewater is then pumped to the entrance works structure, or it can be routed to the MBR entrance works for preliminary treatment.

Flow is measured by a nine-inch Parshall Flume before discharging into the biological treatment process comprised of two identical trains that are divided into two zones per train. Both zones are aerated by single drop tube-style aeration devices. Oxidized wastewater then enters the secondary clarifiers, which are followed by a UV disinfection system. The UV disinfection system consists of two banks of six bulbs each operating on an alternating basis. CAS plant effluent is pumped to a mixing box where it is blended with MBR plant effluent prior to discharge into the Rio Grande Bosque. The WWTP also maintains a groundwater discharge permit (DP-1889) issued by the New Mexico Environment Department (NMED), Groundwater Quality Bureau.

The WWTP sludge processing facilities are comprised of two gravity belt thickeners, a belt filter press, an aerated digester, and a sludge drying composting bed. Final disposal of solids includes sending to a surface disposal site at the Village of Los Lunas Surface Disposal Facility (Sludge) (DP-1053) located at 189 Tren Road, Los Lunas, NM. Additionally, the sludge processing facility maintains an on-site generator in the event of a power outage supplied by a 695-gallon diesel fuel storage tank.



Aerial Image #1: Overall view of the Village of Los Lunas Wastewater Treatment Plant. Aerial from Google Earth maps.

Located approximately 100-feet southeast of the CAS clarifiers the combined MBR and CAS effluent discharges into a closed conduit pipe thence into the Rio Grande Bosques.

Additionally, approximately 250-feet south of the CAS clarifiers lays an effluent reuse loadout station. The disinfected effluent is used for construction and other ancillary services.

Furthermore, there is an additional 500-gallon diesel fuel tank located due south of the sludge processing building used for the onsite generator in the event of a power outage.

Table 1: Village of Los Lunas Lift Stations

Lift Station Number	Location by Street Address	Treatment Plant	Comment
1	Los Lentes Rd & Blaylock	CAS	Quick connect back-up power
2	Los Lentes Rd & Juan Andres	CAS	Quick connect back-up power
3	Carson Dr. & Vasquez Ct	CAS	Quick connect back-up power
4	Las Rosas Rd& Los Cristantemos Dr	CAS	On-site back-up power
5	Los Lentes Rd & Don Diego St	CAS	New pumps installed 2022 and new panels will in 202 Quick connect back-up power 4.
6	Los Lents Rd & Castillo St	CAS	Quick connect back-up power
7	Genson Rd & Hwy-314	CAS	Quick connect back-up power
8	Hwy-314 -Daniel Fernandez Park	CAS	To be replaced in late 2024
9	Hwy 314 & Bus Compound	CAS	Quick connect back-up power
10	Trujillo St & Los Lentes Drain	CAS	Quick connect back-up power
11	Main St NE & Lake View Dr	CAS	Quick connect back-up power
12	Main St SE & Hwy-47	CAS	Quick connect back-up power
13	Sandia Ave & Manzano Ave	CAS	To rehabilitate in 2024. Quick connect back-up power
14	Rosie G Otero & Vaughn St	CAS	Quick connect back-up power
15	Tondre Rd & Hwy-314	CAS	Quick connect back-up power
16	Beck & Nieto	CAS	Quick connect back-up power
17	Don Pasqual Rd	MBR	Quick connect back-up power
18	Canal & Hillside	MBR	Quick connect back-up power
19	Canal & Bluffside	MBR	Quick connect back-up power
20	Juan Perea & Morris	CAS	Quick connect back-up power
21	Morris & Hwy-314	MBR	Additional pump to be installed in 2024. On-site back-up power

Even though the WWTP is a non-pretreatment facility, the WWTP does have a program for monitoring the industrial users (IUs) that discharge to the WWTP. Currently there are two established IUs that currently have entered into individual wastewater discharge agreements for disposal of their effluent into the WWTP identified in Table 2 below.

Table 2: Village of Los Lunas Industrial Users

Name	Effective Dates
Niagara Bottling LLC	02/23/2017
Facebook-Greater Kudu LLC	10/04/2016

Additionally, the WWTP has implemented written policies and procedures to address any potential sanitary sewer overflow events (SSOs), and standard operating procedures (SOPs) pertaining to facility operations and maintenance (O&M). Furthermore, the Village utilizes a database application called Swift Comply for grease tap inspections as part of their Fats, Oils and Grease (FOG) program with respect to existing and/or new FOG contributors.

Section II - OBSERVATIONS

I observed the following and/or information was provided or stated by WWTP Staff.

- In response to the EPA Request for Information (RFI) email, dated December 7, 2023 (reference Appendix 3), the WWTP (via Craig Byers letter dated December 14, 2023) stated that the existing permit with an expiration date of August 31, 2023, has been administratively continued and is currently being drafted by the permit writer.
- Various calibration labels were either missing or illegible. In response to the RFI dated December 7, 2023, the WWTP provided electronic copies of their equipment calibration and further stated that one of the laboratory certified thermometers was currently at the Scientific Laboratory Division to verify calibration and upon return the other will be submitted for certification.
- Various valves at the CAS and MBR are manually operated, while others at the MBR are an electric actuator type valve.
- The WWTP does not have a Supervisory Control and Data Acquisition (SCADA) system for monitoring and so do several of the lift stations. The system also includes Win-911 alarm notification software. The system utilizes programmable logic controllers (PLC) including an automatic dialer that calls out in the event of failure.
- It was stated the WWTP had experienced several Sanitary Sewer Overflow (SSO) events at lift station #7 in April 2021 and December 2021 and lift station #4 in September 2022.
- The WWTP had secure perimeter fencing; thus, limiting access. The overall WWTP's operations and maintenance (O&M), and general facility housekeeping appeared to be in good order.

Section III – AREAS OF CONCERN

- A review of the submitted Integrated Compliance Information System (ICIS) Discharge Monitoring Reports (DMR) data for the period June 30, 2022, through January 31, 2023, indicates NPDES permit exceedances with respect to Total Suspended Solids (TSS), and *Escherichia coli* (*E. coli*) (reference Appendix 2).
- The Spill Prevention, Control and Countermeasure (SPCC) plan for this facility needs to be updated to reflect actual oil storage capacity. The Los Lunas Site Plan identifies approximately 2,100-gallons of fuel storage onsite. Under the CWA § 311 and in accordance to the SPCC Rule in 40 CFR 112 (<https://www.epa.gov/oil-spills-prevention-and-preparedness-regulations>), an amendment to the facility SPCC plan is required when storage conditions change.
- The WWTP reported several SSO events at lift station #7 and lift station #4 from April 1, 2021, to September 22, 2022, respectively.

Section IV – RECOMMENDATIONS

- Preparation and implementation of a Wastewater Service Agreement with the Central New Mexico Correctional Facility.
- Ensure on-site laboratory calibration in accordance with recognized protocol including for temperature recording devices (thermometers), flow meters, automatic samplers, etc.
- Revise and update the existing SPCC plan.
- Ensure removal of vegetative overgrowth, which negates secure access and potential vermin attraction.
- Ensure the WWTP and all associated ancillary services or equipment have proper signage.

EPA Region 6 inspector David Esparza conducted a closing conference at Village of Los Luna Wastewater Treatment Plant at approximately 1:00 PM on December 6, 2023, for the inspection. During the closing conference, David Esparza reviewed the Areas of Concern and/or Recommendations noted during the inspection.

Section IV – FOLLOW UP

The Village of Los Lunas RFI response was received by EPA via letter dated December 14, 2023.

Section V – LIST OF APPENDICES

Appendix 1 – Photo Log – nine photos taken.

Appendix 2 – ICIS E90 Effluent Exceedances

Appendix 3 – Request for Information

Appendix 4 – Sanitary Sewer Overflow Events

Appendix 1

Photograph Log



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

Location: Village of Los Lunas Wastewater Treatment Plant		
City: Los Lunas	County/Parish: Valencia	State: New Mexico



View of signage at the entrance of the Los Lunas Wastewater Treatment Plant. (DSCN2670).
Photographed by D. Esparza



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Location: Village of Los Lunas Wastewater Treatment Plant		
City: Los Lunas	County/Parish: Valencia	State: New Mexico



View of the CAS grit chamber screen. (DSCN2649). Photographed by D. Esparza



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Location: Village of Los Lunas Wastewater Treatment Plant		
City: Los Lunas	County/Parish: Valencia	State: New Mexico



View of the CAS aeration basins looking approximately South. (DSCN2650). Photographed by D. Esparza



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Location: Village of Los Lunas Wastewater Treatment Plant		
City: Los Lunas	County/Parish: Valencia	State: New Mexico



View of the one (1) of the CAS clarifiers. Note: the weir blades. (DSCN2652). Photographed by D. Esparza



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

Location: Village of Los Lunas Wastewater Treatment Plant		
City: Los Lunas	County/Parish: Valencia	State: New Mexico



View of the CAS westside Ultraviolet disinfection module. (DSCN2653). Photographed by D. Esparza



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 6

Location: Village of Los Lunas Wastewater Treatment Plant		
City: Los Lunas	County/Parish: Valencia	State: New Mexico



View of the back-up generator outside the Blower Room at the MBR. (DSCN2655). Photographed by D. Esparza



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 7

Location: Village of Los Lunas Wastewater Treatment Plant		
City: Los Lunas	County/Parish: Valencia	State: New Mexico



View of the MBR pre-aeration basin and south anoxic basin. (DSCN2658). Photographed by D. Esparza



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 8

Location: Village of Los Lunas Wastewater Treatment Plant		
City: Los Lunas	County/Parish: Valencia	State: New Mexico



View of the MBR ultraviolet disinfection modules. The eastside module is on the left and the westside is on the right of the photograph. (DSCN2665). Photographed by D. Esparza



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 9

Location: Village of Los Lunas Wastewater Treatment Plant		
City: Los Lunas	County/Parish: Valencia	State: New Mexico



View of the WWTP effluent discharge into the Rio Grand Bosque. (DSCN2673). Photographed by D. Esparza

Appendix 2
Review
of the
ICIS
E90 Effluent Violations

E90 Effluent Violations From 01/01/2019 - Present

NM0020303

LOS LUNAS, VILLAGE OF

Monitoring Period End Date	Perm Feature ID	Limit Set Designator	Parameter Desc	Statistical Base Short Desc	Limit Unit Short Desc	Limit Value	DMR Value Qualif ier Code	DMR Value
06/30/2022	001	A	Solids, total suspended	7 DA AVG	mg/L	45	=	58
01/31/2023	001	A	E. coli	30DAVGEO	#/100mL	126	=	221
01/31/2023	001	A	E. coli	30DAVGEO	BCFU/d	12.9	=	15
01/31/2023	001	A	E. coli	DAILY MX	#/100mL	410	=	816.4

Appendix 3

Request for Information (RFI)

and

The Village of Los Lunas Response

From: [Esparza, David](#)
To: [Craig Byers](#)
Cc: [McElroy, Damon](#); [Matthews, Rachel](#); [Esparza, David](#)
Subject: Village of Los Lunas WWTP (NM0020303)
Date: Thursday, December 7, 2023 4:36:00 PM

Mr. Byers:

As I discussed, with Ms. Martinez and Mr. Gonzales this is my follow-up to our conversation on December 6, 2023. To reiterate my understanding, I was informed you would provide copies or make available the information as requested. Additional information might be requested after my review of the received information. The specific request for information (RFI) will be delineated below. Therefore, please forward by email the requested information as soon as possible, but no later than close of business December 14, 2023.

- Confirmation of the status of your NPDES permit (i.e., renewal application/submittal).
- A complete electronic copy of your Sanitary Sewer Overflow (SSO) protocol, inclusive of all SSO events for the previous two (2) years.
- A complete electronic copy of your Standard Operating Procedures (SOPs) (i.e., WWTP treatment process and on-site laboratory) and clarification how often it is updated.
- A current copy of the facility Site Map delineating the total area footprint (i.e., the AS portion and the MBR portion), locations/volumes of any on-site fuel storage tanks, delineation of processes (i.e., headworks, EQ basins, chlorination, etc.), all associated ancillary equipment and outfall(s).
- Identification of the quantity, location, and names of any lift stations (LS), wet wells etc.
- Clarification if the identified LSs have on-site back-up power or quick connects in the event of power outages.
- Electronic copies of calibration and maintenance records of your flow measuring (meter) devices, inclusive of serial numbers (S/N) for the previous three (3) years.
- Electronic copies of your flow measurement records for the previous 1-year period.
- Clarification the generator observed on-site is capable of fully operating the entire WTF and how often it is exercised.
- Electronic copies of calibration and maintenance records of your temperature recording devices (thermometers) within the on-site laboratory, flow meters, automatic samplers. The various labels observed were either missing or illegible.
- Electronic copies of your analytical analysis reports for the previous two (2) years, both internal and external.
- Clarification of the WWTP's current staffing and hours of operation.
- Clarification of the type of electronic monitoring utilized in operating the WWTP (i.e., SCADA, PLC, etc.). Clarification how the operator is alerted to a WWTP situation/event.
- Identification of the industrial/commercial/educational entities contributing to the WWTP.
- Electronic copies of applicable service agreements with respect to the industrial/commercial/educational entities.

David A. Esparza, P.E.

Environmental Engineer
U.S. Environmental Protection Agency
Water Enforcement Branch-Municipal/Industrial Section
Mail Code: 6-ECDWM
1201 Elm Street, Suite 500
Dallas, Texas 75270
(505) 366-8402
eMail: esparza.david@epa.gov



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PUBLIC WORKS DEPARTMENT
Wastewater Treatment Plant Division

December 14, 2023,

David A. Esparza, P.E.
Environmental Engineer
U.S. Environmental Protection Agency
Water Enforcement Branch-Municipal/Industrial Section
Mail Code: 6-ECDWM
1201 Elm Street, Suite 500
Dallas, Texas 75270

Village of Los Lunas WWTP (NM0020303)

Good Morning Mr., Esparza,

Access all One Drive Data here (Please note this link is good for 30 days):

[EPA Inspection 12-6-2023](#)

- Confirmation of the status of your NPDES permit (i.e., renewal application/submittal).
 - Currently being drafted by permit writer
 - Application received on 1/31/2023.
 - Application complete on 8/24/2023.
 - Expiration date on 8/31/2023 but administratively continued until issuance.
- A complete electronic copy of your Sanitary Sewer Overflow (SSO) protocol, inclusive of all SSO events for the previous two (2) years.
 - See SSO in the One Drive Link.
 - Depending on the size of the overflow event we either utilize our in-house staff or call Advanced Environmental Solutions for clean-up.
 - Once notified of an overflow, in-house staff are sent to the location to assess the issue. We have in our equipment list a Vactor Truck, a Crane Truck, and the Street Department has a Sweeper Truck. Step 1 Identify what is overflowing. Step 2 What is the cause of the overflow. Step 3 Contain the Sewage. Step 4 Repair the issue.
 - Then we begin clean-up. Suck up any standing water. Wash the affected area. If possible, disinfect the area with 10% bleach solution. The Street Department will do a final sweep and wash of the affected area. If we decide the issue cannot be

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MAYOR

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cleaned by our in-house staff, we contact Advanced Environmental Solutions for clean-up.

- A complete electronic copy of your Standard Operating Procedures (SOPs) (i.e., WWTP treatment process and on-site laboratory) and clarification how often it is updated.
 - See Maintenance SOP's in One Drive Link.
- A current copy of the facility Site Map delineating the total area footprint (i.e., the AS portion and the MBR portion), locations/volumes of any on-site fuel storage tanks, delineation of processes (i.e., headworks, EQ basins, chlorination, etc.), all associated ancillary equipment and outfall(s).
 - See Site Map in One Drive Link.
- Identification of the quantity, location, and names of any lift stations (LS), wet wells etc.
 - Use this link to the Village of Los Lunas Lift Station GIS Map.
 - <https://voll.maps.arcgis.com/apps/webappviewer/index.html?id=9b8f58e4cc754636bd1efa7d7ae109d4>
 - Once open use the up arrow at the bottom center of the screen to show the station listings. When you double click a station in the list the map will zoom in to that station.
- Clarification if the identified LSs have on-site back-up power or quick connects in the event of power outages.
 - We have 2 (two) lift stations that have on site generators LS-4 and LS-21.
 - LS-21 has a Cummins QSL9-G2 (200 KW, 150-gal diesel tank) Exercised weekly. PM1, PM2 performed by Wagner Power Systems Annually. PM3 performed by Wagner Power Systems Tri-annually.
 - LS-4 has an Olympian D80P4 (80 KW, 130-gal diesel tank) Exercised weekly. PM1, PM2 performed by Wagner Power Systems Annually. PM3 performed by Wagner Power Systems Tri-annually.
 - All other Lift Stations are equipped with an external generator quick connect.
- Electronic copies of calibration and maintenance records of your flow measuring (meter) devices, inclusive of serial numbers (S/N) for the previous three (3) years.
 - See Flow Data, Meter Calibrations in One Drive Link.

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- Electronic copies of your flow measurement records for the previous 1-year period.
 - See [Flow Data, Meter Calibrations in One Drive Link](#).
- Clarification the generator observed on-site is capable of fully operating the entire WTF and how often it is exercised.
 - We have 3 on-site generators.
 - Cat 3208 (160 KW, 300-gal Diesel Tank) is in the Gen/Blower building at CAS Plant. Will power Inf and Eff pumps. Doesn't power blowers at CAS Plant. Exercised By-Weekly. PM1, PM2 performed by Wagner Power Systems Annually. PM3 performed by Wagner Power Systems Tri-annually.
 - Cat C-15 (500KW, 660-gal Diesel Tank) is located on the southside of MBR Plant. Will power and lighting panels MCC1, MCC2, MCC3, which includes pumps, mixers, not all equipment will run on emergency power. Exercised weekly. PM1, PM2 performed by Wagner Power Systems Annually. PM3 performed by Wagner Power Systems Tri-annually.
 - Cummins QSX15 (400KW, 695-gal Diesel Tank) is located on the north side of the Sludge Processing Building. Will power HVAC, Washwater pumps, Digester Mixers, Stage 1, and Stage 2, Digester Blowers. Exercised weekly. PM1, PM2 performed by Wagner Power Systems Annually. PM3 performed by Wagner Power Systems Tri-annually.
 - 500-gal Diesel Storage Tank. Double wall with Dispense pump.
 - If in the event we are down for an extended period, we would rent a larger generator capable of powering the portion of the facility without power.
- Electronic copies of calibration and maintenance records of your temperature recording devices (thermometers) within the on-site laboratory, flow meters, automatic samplers. The various labels observed were either missing or illegible.
 - See [Laboratory Equipment in One Drive Link](#).
 - We currently have one of our Certified Thermometer at Scientific Laboratory Division to check Calibration. Once it is completed, we will take the other one in.
- Electronic copies of your analytical analysis reports for the previous two (2) years, both internal and external.
 - See [Wet Testing, Total Nitrogen, Total Phosphorus in One Drive Link](#).
 - See [Analytical Reports 2023 in One Drive Link](#).
 - See [Analytical Reports 2022 in One Drive Link](#).

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PUBLIC WORKS DEPARTMENT
Wastewater Treatment Plant Division

- Clarification of WWTP's current staffing and hours of operation.
 - We operate 7 days a week.
 - WWTP Laboratory and Administration Staff work Monday - Friday 6 am – 3pm.
 - Half Maintenance Crew Sunday – Thursday 7 am - 4 pm.
 - Half Maintenance Crew Tuesday – Saturday 7 am – 4 pm.
- Clarification of the type of electronic monitoring utilized in operating the WWTP (i.e., SCADA, PLC, etc.). Clarification how the operator is alerted to a WWTP situation/event.
 - The plant uses SCADA monitoring and so do several of the lift stations. Our SCADA System also includes Win-911. Our PLC has an auto dialer that calls out in the event of failure.
- Identification of the industrial/commercial/educational entities contributing to the WWTP.
 - We utilize a database application called Swift Comply for our Grease Trap inspections. As part of these inspections, we inspect Restaurants, Lube shops, Laundromats, Carwashes, LL Public Schools, Central New Mexico Correctional Facility, META Complex, Niagara Bottling.
- Electronic copies of applicable service agreements with respect to the industrial/commercial/educational entities.
 - See Service Agreements in One Drive Link.

If you have any questions, Please feel free to contact me.

Sincerely,

Craig Byers

Craig Byers
WWTP Superintendent
Village of Los Lunas
505-353-6902
Byersc@loslunasnm.gov

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Appendix 4

Sanitary Sewer Overflow Events



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Public Works Department
Wastewater Treatment Plant Division

April 8, 2021

Nancy Williams
1201 Elm Street
Suite 500
Dallas, TX 75270

RE: Lift Station Overflow April 1, 2021

Dear Ms. Williams,

On April 1, 2021, I was notified at 7:15 am, that one of our lift stations had backed up and caused an overflow into the parking lot at Daniel Fernandez Park. I immediately notified Andy Saiz with Advanced Environmental Solutions. They were able to mobilize to the scene by 8 am. Advanced Environmental called Atlas Pumping to come and suck up as much of the liquid waste as they could, they were able to remove approximately 1500 gallons. This waste was then transported to the Wastewater Treatment Plant and disposed of in to a lined drying bed. Advanced Environmental then used a water tank to mix up a 10% bleach solution and used this to disinfect the entire affected area. In the afternoon the Village of Los Lunas Street Division went to the scene and used the sweeper truck to wash and sweep any remaining debris. Before and after pictures are included.

The cause of this overflow was that a power surge caused the pump in the #7 lift station to fail which then caused a backup in the system and an overflow into the parking lot and discharge from a business's sewer cleanout.

We have added a couple of high-level floats to this station that will help to ensure this doesn't happen again. Should you have any questions on this and the cleanup please feel free to contact me at 505-352-7675 or by email at byersc@loslunasnm.gov.

Sincerely,

Craig Byers
WWTP Supervisor
Village of Los Lunas
505-352-7675
Byersc@loslunasnm.gov

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**Public Works Department
Wastewater Treatment Plant Division**

CC

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William.nancy@epa.gov

Jason Martinez
NMED Surface Water Bureau
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Sarah Holcomb
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Michael Jaramillo
Public Works Director
Village of Los Lunas
Jarmillom@loslunasnm.gov

Attachments:

Pre-clean-up pictures
Post-clean-up pictures

CHARLES GRIEGO
MAYOR

GINO ROMERO
COUNCILMAN

PHILLIP JARAMILLO
COUNCILMAN

CRUZ MUÑOZ
COUNCILMAN

CHRISTOPHER S. ORTIZ
COUNCILMAN

GREGORY D. MARTIN
VILLAGE ADMINISTRATOR



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**Public Works Department
Wastewater Treatment Plant Division**



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These are the pre-clean-up pictures.

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Public Works Department
Wastewater Treatment Plant Division

May 5, 2021

Nancy Williams
1201 Elm Street
Suite 500
Dallas, TX 75270

RE: Lift Station Overflow April 30, 2021

Dear Ms. Williams,

On April 30, 2021, my staff notified me, that one of our lift stations had backed up and caused an overflow into the parking lot at Daniel Fernandez Park. They were able to mobilize to the scene with the vac truck to suck up as much of the liquid waste as they could, they were able to remove approximately <500 gallons. This waste was then transported to the Wastewater Treatment Plant and disposed of into a lined drying bed. They then used our power washer to mix up a 10% bleach solution and washed and disinfect the entire affected area. We had the Village of Los Lunas Street Division come to the scene and used the sweeper truck to wash and sweep any remaining debris.

The cause of this overflow was that a float inside the lift station failed causing the pump in the #7 lift station to not start which then caused a backup in the system and an overflow into the parking lot and discharge from a business's sewer cleanout. The failed float has been replaced. We also have the second pump in for repair. This lift station is under evaluation for upgrading so that we can remedy this from happening.

Should you have any questions on this and the cleanup please feel free to contact me at 505-352-7675 or by email at byersc@loslunasnm.gov.

Sincerely,

Craig Byers
WWTP Supervisor
Village of Los Lunas
505-352-7675
505-353-6902
Byersc@loslunasnm.gov

CC

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Jason.Martinez2@state.nm.us

Sarah Holcomb
NMED Surface Water Bureau
Sarah.Holcomb@state.nm.us

Michael Jaramillo
Public Works Director
Village of Los Lunas
Jarmillom@loslunasnm.gov

Attachments:

Pre-clean-up pictures
Post-clean-up pictures

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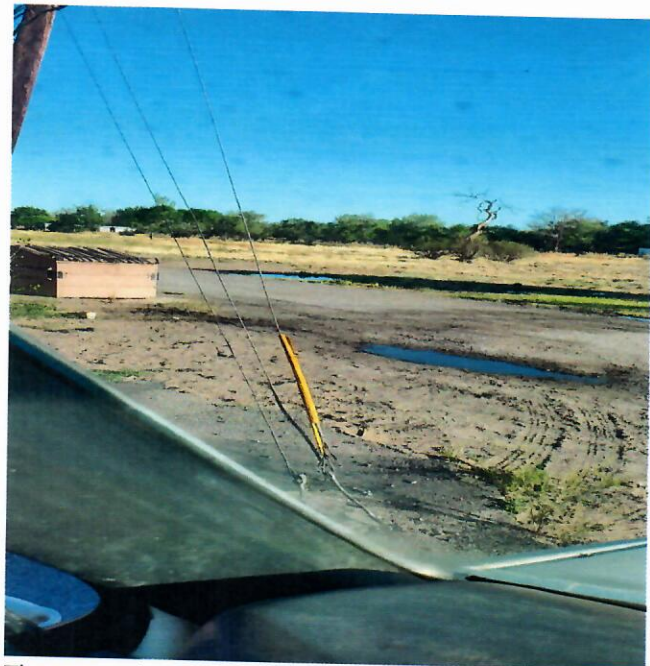
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Wastewater Treatment Plant Division

December 9, 2021

Nancy Williams
1201 Elm Street
Suite 500
Dallas, TX 75270

RE: Lift Station Backup and Manhole Overflow December 6, 2021

Dear Ms. Williams,

On December 6, 2021, I was notified by the Supervisor of the Parks Department, that one of our lift stations had backed up and caused an overflow into the parking lot at Daniel Fernandez Park. I notified my crew at approximately 3:45 pm were able to mobilize to the scene with the vac truck to suck up as much of the liquid waste as they could, they were able to remove approximately 300 - 500 gallons. This waste was then transported to the Wastewater Treatment Plant and disposed of into a lined drying bed. They then used our power washer to mix up a 10% bleach solution and washed and disinfect the entire affected area. We had the Village of Los Lunas Street Division come to the scene and used the sweeper truck to wash and sweep any remaining debris.

The cause of this overflow was a clog in the system causing a decrease in flow between a couple of the manholes. At the time I first notified of this issue I reported that there was a power issue. While working to remove the stop lights in the intersection an electrical contractor turned off the power to the lift station which prevented the system from calling out.

We installed a battery backup to the RTU Panel so in the future if power is lost the system can still call out. We also located the clog and broke it up and removed it from the system.

Should you have any questions on this overflow and the cleanup please feel free to contact me.

Sincerely,

Craig Byers
WWTP Supervisor
Village of Los Lunas
505-352-7675
505-353-6902
Byersc@loslunasnm.gov

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Wastewater Treatment Plant Division**

CC

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Williams.nancy@epa.gov

Jason Martinez
NMED Surface Water Bureau
Jason.Martinez2@state.nm.us

Sarah Holcomb
NMED Surface Water Bureau
Sarah.Holcomb@state.nm.us

Michael Jaramillo
Public Works Director
Village of Los Lunas
Jarmillom@loslunasnm.gov

Attachments:

Pre-clean-up pictures
Post-clean-up pictures

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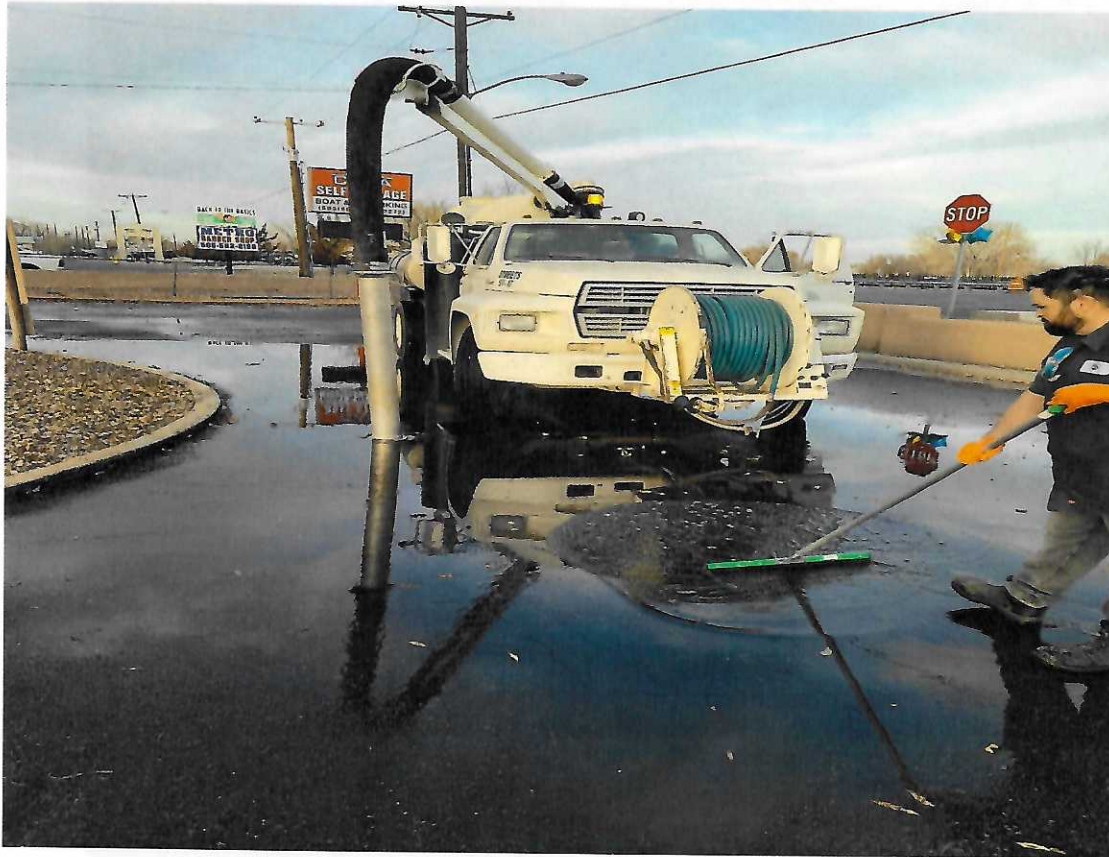
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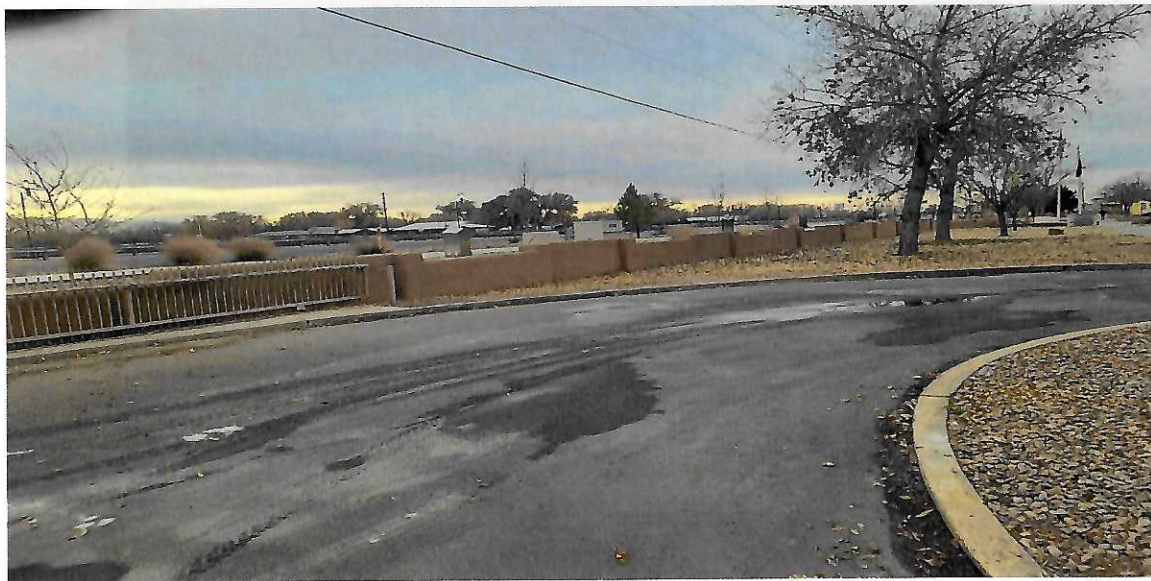
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October 3, 2022

Nancy Williams
1201 Elm Street
Suite 500
Dallas, TX 75270

RE: Lift Station Backup and Manhole Overflow September 22, 2022

Dear Ms. Williams,

On September 22, 2022, I was notified by Lab Tech Andres Montoya that lift station 4 had backed up and caused 3 manholes to overflow. Due to the rain, we were unable to estimate the amount of the overflow. Upon inspection of the lift station, it was found that we lost power to the station. We notified the electric co and they found a bird had shorted the fuse at the powerline. Due to a separate issue the generator didn't kick on. We have notified our electrician of the issue and they are working to fix the problem with the Automatic Transfer Switch. We are also installing a back system that will notify in the event of a power loss. Once power was restored to the station the station started pumping normally.

We had the Village of Los Lunas Street Division come to the scene and used the sweeper truck to wash and sweep any remaining debris.

Should you have any questions on this overflow and the cleanup please feel free to contact me.

Sincerely,

Craig Byers
WWTP Supervisor
Village of Los Lunas
505-352-7675
505-353-6902
Byersc@loslunasnm.gov

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Williams.nancy@epa.gov

Jason Martinez
NMED Surface Water Bureau
Jason.Martinez2@state.nm.us

Michael Jaramillo
Public Works Director
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Jarmillom@loslunasnm.gov

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