

INSPECTION REPORT

Inspection Entry Date/Time	08/01/2023 09:30 AM (MT)	Announced: No	
Inspection Exit Date/Time	08/01/2023 01:12 PM (MT)	Access: Granted	
Weather			
Media	Water		
Statute(s)/Program(s)	Clean Water Act, NPDES, WWTP		
Type of Inspection	Compliance Evaluation Inspection (CEI)		
Permittee Name	Village Of Maxwell		
Facility or Site Name	Village Of Maxwell		
Facility/Site Physical Address	316 Maxwell Ave (Po Box 356)		
City, State, Zip Code	Maxwell, NM 87728		
County/Borough/Parish			
Facility GPS Coordinates	36.532017, -104.538341		
Mailing Address (If different)			
City, State, Zip Code			
FRS ID	110006702880		
Permit Number(s) (If Applicable)	NM0029149		
SIC and/or NAICS	4952		
Regulatory Representatives Participating in Inspection:			
Title	Name	Organization	
Program Manager, Point Source Regulation Section	Susan A. Lucas Kamat	NMED	
Lead Inspector:			
Kenneth Aubuchon	KENNETH AUBUCHON		Digitally signed by KENNETH AUBUCHON Date: 2023.10.24 09:22:17 -05'00'
	EPA REGION 6	aubuchon.kenneth@epa.gov	(281) 983-2151
Supervisor Review:			
Roberto Bernier	ROBERTO BERNIER		Digitally signed by ROBERTO BERNIER Date: 2023.10.24 20:35:26 -05'00'
	EPA REGION 6	bernier.roberto@epa.gov	

SECTION I – INTRODUCTION**Site Entry and Inspection Objectives**

EPA REGION 6 Lead Inspector, Kenneth Aubuchon, arrived at the Village of Maxwell (the “Site” or “Facility”), located at 316 Maxwell Ave (Po Box 356), Maxwell, NM 87728, at 09:30 AM (MT) on 08/01/2023 for an unannounced inspection. EPA REGION 6 Lead Inspector presented credentials to Daniel Fulkerson and informed them that this was a EPA REGION 6 inspection to determine compliance as authorized by Clean Water Act (CWA) Section 308 and implementing regulations. This report is based on information supplied by Village of Maxwell representatives, direct observations made by the EPA REGION 6 inspector, records and reports maintained by the permittee and other information including: photographs taken by EPA REGION 6 inspector(s), physical evidence collected by the EPA REGION 6 inspector(s), measurements taken by EPA REGION 6 inspector(s), verbal or written statements made by information supplied by Village of Maxwell representatives during or subsequent to the on-site Inspection, and materials, processes, data, photographs, or documents shown, demonstrated, or submitted to the EPA REGION 6 inspector(s) by Village of Maxwell representatives during or subsequent to the on-site Inspection. In addition, information gathered prior to or subsequent to the Inspection from a review of EPA, State, and/or public records may be included in this report.

At the opening meeting, Inspection Objectives were covered, and Mr. Fulkerson explained that he was new to his position and that Mrs. Shawn Jeffery was the village's reporting agent but not onsite.

Attendees

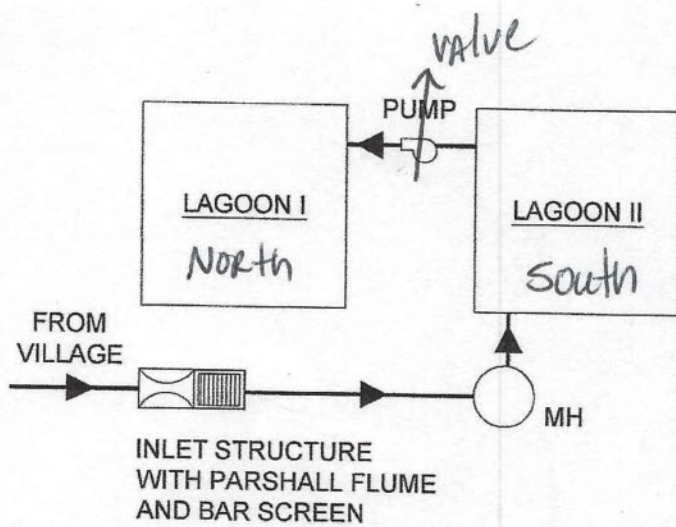
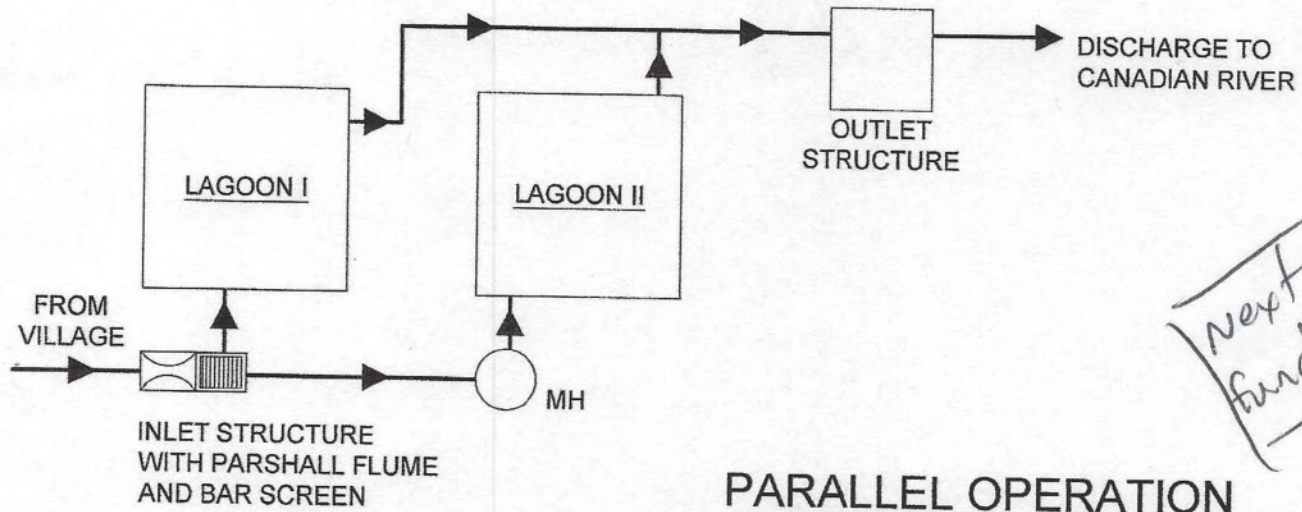
Organization	Attendee Name	Title	Present in Opening Conf.	Present in Closing Conf.
EPA REGION 6	Kenneth Aubuchon	Lead Inspector	Yes	Yes
Village of Maxwell	Daniel Fulkerson	Lead Operator	Yes	Yes
Village of Maxwell	Shawn Jeffery	Information Support	No	No
NMED	Susan A. Lucas Kamat	Program Manager, Point Source Regulation Section	Yes	Yes

Facility/Site Description

EPA REGION 6 lead inspector confirmed the following facility information:

There are two lagoons at the Maxwell treatment facility. Neither of these lagoons are aerated, and they serve as facultative ponds for treatment, storage and/or evaporation of the wastewater. The lagoons were designed with identical dimensions and elevations - a 200-foot square bottom, a total depth of 12-feet, and a bank slope of 2 horizontal to 1 vertical. The design operating depth of the lagoon is 5-feet, leaving 7-feet of freeboard. The 7-feet of free board is due to the elimination of a lift station to the lagoons so gravity flow from the Village can be utilized. the sides of the lagoons are lined with a 36-mil Hypalon liner and the bottoms are compacted natural clay.

Operations at the time of the inspection was gravity flow from the Village to the South Lagoon. The South Lagoon is then manually pumped to the North Lagoon. No reported discharges at the time of this inspection.



Facility/Site Information

Responsible official	Daniel Fulkerson
Outfalls: (and do the numbers, locations, and receiving waters match the permit?)	Outfall 001. No discharge at the time of the inspection.

Location(s)

Location/Area/Sub-area	Description
1. Collection System	The collection system is gravity flow to Treatment Lagoons. The facility is located at 316 Maxwell Ave, Maxwell, Colfax County, New Mexico. The Maxwell WWTP has a design flow capacity of 0.02 MGD serving a residential population of 340 and is classified as a minor municipal discharger under the Federal Clean Water Act, Section 402, of the National Pollutant Discharge Elimination System (NPDES) permit program.
2. Laboratory	
3. Treatment System	The treatment at the facility consists of a Parshall Flume plus staff gage, a bar screen, and a splitter box, two lagoons, a chlorine and a dechlorination chamber. Raw wastewater currently flows by gravity to the headworks of the plant. The influent enters the headworks through a 4" Parshall flume and proceeds through a ½" rectangular manually cleaned screen. Following the headworks, wastewater gravity flows to the South Lagoon. The lagoons are currently operated in series by manually pumping from the South Lagoon to the North Lagoon. The facility installed a manhole to allow gravity flow from the headworks inlet past the bar screen and past the splitter box. This was installed to allow influent to the south lagoon.
North Lagoon	The North Treatment Lagoon was cleaned and repaired with new liner at the end of 2022 and beginning of 2023. Sludge removed from the North Lagoon was sent to NE NM Regional Landfill in Wagon Mound, NM with SWM Permit 0218354 (SP).
South Lagoon	The South Treatment Lagoon is waiting for funding to be cleaned and repaired with new liner.
4. Sludge Treatment	
5. Discharge	No discharge at the time of the inspection. No discharge has occurred for some time. Maxwell is authorized to discharge from a facility located at 316 Maxwell Ave, Maxwell, in Colfax County, New Mexico, to unnamed dry arroyo, thence to Canadian River in Segment No. 20.6.4.305 of the Canadian River Basin. The discharge is located at the following coordinates: Outfall 001: Latitude 36° 31' 55" North, Longitude 104° 32' 16" West,

SECTION II – OBSERVATIONS

Location: 4. Sludge Treatment		
Observation #: KA1-OB-001	Date: 08/01/2023	Weather:
The North Treatment Lagoon was cleaned and repaired with new liner at the end of 2022 and beginning of 2023. Sludge removed from the North Lagoon was sent to NE NM Regional Landfill in Wagon Mound, NM with SWM Permit 0218354 (SP).		

Location: 3. Treatment System		
Observation #: KA1-OB-002	Date: 08/01/2023	Weather:
Lagoons cannot be utilized at full capacity due to gravity flow to the Lagoons. Head pressures from the lagoons creates backflow into the collection system. An old lift station located at the lagoons is in place to correct this problem, but no pumps were observed in the lift station. Backflows into the gravity collection system may also cause sanitary sewer overflows (SSOs) in town, if lagoons are not properly maintained.		

SECTION III – RECORDS REVIEW**SECTION IV – SAMPLING ACTIVITIES AND ANALYTICAL RESULTS**

No sampling was conducted.

SECTION V - AREA OF CONCERN

Area(s) of Concern may not be in sequential order.

The presentation of Area(s) of Concern does not constitute a formal compliance determination or violation.

AOC Reference #: KA1-OB-002	
Regulation and/or Permit Requirement	
40 CFR 122.41(e)	
122.41(e) - (e) Proper operation and maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control...	
AOC:	
Lagoons cannot be utilized at full capacity due to gravity flow to the Lagoons. Head pressures from the lagoons creates backflow into the collection system. An old lift station located at the lagoons is in place to correct this problem, but no pumps were observed in the lift station. Backflows into the gravity collection system may also cause SSOs in town if lagoons are not properly maintained.	
Additional Notes: (none)	

SECTION VI – CLOSING CONFERENCE AND FOLLOW UP

Closing Conference

The EPA REGION 6 Lead Inspector held a closing conference with Facility personnel at 01:12 PM (MT) on 08/01/2023 for the inspection. During the closing conference, EPA REGION 6 Lead Inspector discussed the observations and Area(s) of Concern identified during the inspection. Observations and Area(s) of Concern have not yet been evaluated for a formal compliance determination.

Follow Up

No follow up was required after exiting the facility on 08/01/2023.

Communication Log

No additional information received by EPA REGION 6 after exiting the Facility on 08/01/2023.

SECTION VII – LIST OF APPENDICES

1. Photo Log
2. Document Log

APPENDIX 1: PHOTO LOG



North Lagoon			P1011038.JPG
11/30/1899 12:00 AM	No CBI	No PII	Photographer: Kenneth AuBuchon
3. Treatment System / North Lagoon			[Geographic Coordinates]
North Lagoon after rehab			



North Lagoon			P1011039.JPG
11/30/1899 12:00 AM	No CBI	No PII	Photographer: Kenneth AuBuchon
3. Treatment System / North Lagoon			[Geographic Coordinates]
North Lagoon after rehab			



South Lagoon			P1011043.JPG
11/30/1899 12:00 AM	No CBI	No PII	Photographer: Kenneth AuBuchon
3. Treatment System / South Lagoon			[Geographic Coordinates]
South Lagoon rehab of lagoon had not occurred at the time of this inspection.			



South Lagoon			P1011041.JPG
11/30/1899 12:00 AM	No CBI	No PII	Photographer: Kenneth AuBuchon
3. Treatment System / South Lagoon			[Geographic Coordinates]
Growth in the berm on South Lagoon where the liner has been blown and torn off.			



Lagoon In-Let Weir			P1011040.JPG
11/30/1899 12:00 AM	No CBI	No PII	Photographer: Kenneth AuBuchon
3. Treatment System			[Geographic Coordinates]
Inlet weir to the lagoon system. From the weir inlet gravity flows to the South Lagoon.			



Discharge Structure			P1011048.JPG
11/30/1899 12:00 AM	No CBI	No PII	Photographer: Kenneth AuBuchon
3. Treatment System			[Geographic Coordinates]
Discharge structure used for chlorine tables. Discharge has not occurred or appears to have occurred for some time.			



North Lagoon			P1011050.JPG
11/30/1899 12:00 AM	No CBI	No PII	Photographer: Kenneth AuBuchon
3. Treatment System / North Lagoon			[Geographic Coordinates]
Ground water inlet structure from North Lagoon used to irrigate state permitted groundwater discharge areas.			



South Lagoon			P1011046.JPG
11/30/1899 12:00 AM	No CBI	No PII	Photographer: Kenneth AuBuchon
3. Treatment System / South Lagoon			[Geographic Coordinates]
Wind blown tears of liner on the South Lagoon with growth on the berms.			



Discharge Valve			P1011049.JPG
11/30/1899 12:00 AM	No CBI	No PII	Photographer: Kenneth AuBuchon
3. Treatment System / South Lagoon			[Geographic Coordinates]
Discharge valve from the South Lagoon. The valve appears not to have been used in some time. no discharge at the time of the inspection.			



Lagoon Lift Station			P1011051.JPG
11/30/1899 12:00 AM	No CBI	No PII	Photographer: Kenneth AuBuchon
3. Treatment System			[Geographic Coordinates]
Lift station at the lagoon system that is not in use at the time of the inspection.			



Lagoon gravity flow inlet			P1011053.JPG
11/30/1899 12:00 AM	No CBI	No PII	Photographer: Kenneth AuBuchon
3. Treatment System			[Geographic Coordinates]
Inlet to the lagoon system with gravity flow. Flow is backing up due to the gravity flow and not being pumped.			



Inlet gravity flow to Lagoon			P1011054.JPG
11/30/1899 12:00 AM	No CBI	No PII	Photographer: Kenneth AuBuchon
3. Treatment System			[Geographic Coordinates]
Inlet to the lagoon system with gravity flow. Flow is backing up due to the gravity flow and not being pumped.			

APPENDIX 2: DOCUMENT LOG

(none)