



MICHELLE LUJAN GRISHAM
GOVERNOR

JAMES C. KENNEY
CABINET SECRETARY

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

May 5, 2026

Tomas Campos, Chief of Operations
Española Public Schools District #55
405 Hunter Street
Española, New Mexico 87522

RE: Draft Discharge Permit Renewal, DP-1453, Chimayo Elementary School

Dear Tomas Campos:

The New Mexico Environment Department (NMED) hereby provides notice to you of the proposed approval of Ground Water Discharge Permit Renewal, DP-1453, (copy enclosed), pursuant to Subsection H of 20.6.2.3108 NMAC. NMED will publish notice of the availability of the draft Discharge Permit in the near future for public review and comment and will forward a copy of that notice to you.

Prior to making a final ruling on the proposed Discharge Permit, NMED will allow 30 days from the date the public notice is published in the newspaper for any interested party, including the Discharge Permit applicant, i.e., yourself, to submit written comments and/or a request for a public hearing. A hearing request shall set forth the reasons why a hearing is requested. NMED will hold a hearing in response to a timely hearing request if the NMED Secretary determines there is substantial public interest in the proposed Discharge Permit.

Please review the enclosed draft Discharge Permit carefully. Please be aware that this Discharge Permit may contain conditions that require the permittee to implement operational, monitoring or closure actions by a specified deadline.

Please submit written comments or a request for hearing to my attention at the address below, via email to samantha.peterson@env.nm.gov or to pps.general@env.nm.gov, or directly into the NMED Public Comment Portal at <https://nmed.commentinput.com/comment/search>. If NMED does not receive written comments or a request for hearing during the public comment period, the draft Discharge Permit will become final.

Thank you for your cooperation during the review process. Feel free to contact me with any questions at (505) 490-5282.

Sincerely,

**Samantha
Peterson**

Digitally signed by Samantha
Peterson
Date: 2026.05.05 14:00:18
-06'00'

Samantha Peterson, Water Resource Professional

Encl: Draft Discharge Permit Renewal, DP-1453
cc: Ross Mondragon, Maintenance Supervisor, ross.mondragon@k12espanola.org
Gene Salazar, Operator, SouthWest Water Works, LLC., genebsalazar@hotmail.com
Ewan Young, President, SouthWest Water Works, LLC., ewan.young70@gmail.com

SCIENCE | INNOVATION | COLLABORATION | COMPLIANCE

Ground Water Quality Bureau | 1190 Saint Francis Drive, PO Box 5469, Santa Fe, New Mexico 87502-5469
Telephone (505) 827-2900 | www.env.nm.gov/gwqb/



**NEW MEXICO
ENVIRONMENT DEPARTMENT**

Ground Water Quality Bureau

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Draft: May 5, 2026

**GROUND WATER QUALITY BUREAU
DISCHARGE PERMIT
Issued under 20.6.2 NMAC**

Facility Name: Chimayo Elementary School
Discharge Permit Number: DP-1453
Facility Location: SR 76 County Rd 93
Chimayo, NM 87522

County: Rio Arriba

Permittee: Española Public School District #55
Mailing Address: 405 Hunter Street
Española, New Mexico 87532

Facility Contact: Tomas Campos, Chief of Operations
Telephone Number/Email: 505-367-3301 / tomas.campos@k12espanola.org

Permitting Action: Renewal
Permit Issuance Date: DATE
Permit Expiration Date: DATE

NMED Permit Contact: Samantha Peterson
Telephone Number/Email: 505-538-0497 / samantha.peterson@env.nm.gov or
505-827-2900 / pps.general@env.nm.gov

Justin D. Ball
Chief, Ground Water Quality Bureau
New Mexico Environment Department

TABLE OF CONTENTS

I.	INTRODUCTION	1
II.	FINDINGS	2
III.	AUTHORIZATION TO DISCHARGE	3
IV.	CONDITIONS	3
A.	OPERATIONAL PLAN	3
	Operational Actions with Implementation Deadlines	4
	Operating Conditions	7
B.	MONITORING AND REPORTING	10
	Due Dates for Monitoring Reports	10
	Groundwater Monitoring Conditions	10
	Facility Monitoring Conditions	11
C.	CORRECTIVE ACTIONS	13
D.	CONTINGENCY PLAN	14
E.	CLOSURE PLAN	18
	Permanent Facility Closure Conditions	18
F.	GENERAL TERMS AND CONDITIONS	19

ATTACHMENTS

Discharge Permit Summary

New Mexico Environment Department Ground Water Quality Bureau Monitoring Well
Construction and Abandonment Guidelines, Revision 1.1, March 2011 (Monitoring
Well Guidance)

Land Application Data Sheet (LADS - <https://www.env.nm.gov/forms/>)

I. INTRODUCTION

The New Mexico Environment Department (NMED) issues this groundwater discharge permit Renewal (Discharge Permit or DP-1453) to the Española Public School District #55 (Permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978 §§74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Ground and Surface Water Protection Regulations, 20.6.2 NMAC.

NMED's purpose in issuing this Discharge Permit, and in imposing the requirements and conditions specified herein, is to control the discharge of water contaminants from Chimayo Elementary School (Facility) in order to protect groundwater and those segments of surface water gaining from groundwater inflow for present and potential future use as domestic and agricultural water supply and other uses, and to protect public health. It is NMED's determination in issuing this Discharge Permit that the Permittee has met the requirements of Subsection C of 20.6.2.3109 NMAC. The Permittee is responsible for complying with the terms and conditions of this Discharge Permit pursuant to Section 20.6.2.3104 NMAC; failure to do so may result in enforcement action by NMED (20.6.2.1220 NMAC).

The Facility treats up to 9,000 gallons per day (gpd) of domestic wastewater using a package plant. Treated wastewater discharges to a low-pressure dose disposal field.

Discharge Permit Location Information:

Physical Address	SR 76 County Rd 93
Nearest Town/City	Chimayo
Section, Township, Range	Section 35 (projected), Township 21 North, Range 09 East
County	Rio Arriba
Depth to Groundwater	49 feet
Pre-Discharge TDS	310 milligrams per liter

Discharge Permit Issuance History:

Original Permit Issuance	September 16, 2005
Permit Renewal	September 25, 2012
Permit Renewal	May 29, 2019

The application (i.e., discharge plan) associated with this Discharge Permit consists of the materials submitted by SouthWest Water Works on behalf of the Permittee dated October 23, 2024, and materials contained in the administrative record prior to issuance of this Discharge Permit.

The Permittee shall manage the discharge in accordance with all conditions and requirements of this Discharge Permit.

NMED reserves the right to require a Discharge Permit modification in the event NMED determines that the Permittee is or may be violating, or is likely to violate in the future, the requirements of 20.6.2 NMAC or the standards of Section 20.6.2.3103 NMAC. NMED reserves this right pursuant to Section 20.6.2.3109 NMAC. An NMED requirement to modify the Discharge Permit may result from a determination by the department that structural controls and/or management practices approved under this Discharge Permit are insufficiently protective of groundwater quality and human health. NMED reserves the right to require the Permittee to implement abatement of water pollution and remediate groundwater quality.

NMED issuance of this Discharge Permit does not relieve the Permittee of the responsibility to comply with the WQA, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

This Discharge Permit may use the following acronyms and abbreviations.

Abbreviation	Explanation	Abbreviation	Explanation
BOD ₅	biochemical oxygen demand (5-day)	NMED	New Mexico Environment Department
CAP	Corrective Action Plan	NMSA	New Mexico Statutes Annotated
CFR	Code of Federal Regulations	NO ₃ -N	nitrate-nitrogen
CFU	colony forming unit	NTU	nephelometric turbidity units
Cl	chloride	QA/QC	Quality Assurance/Quality Control
EPA	United States Environmental Protection Agency	TDS	total dissolved solids
Gpd	gallons per day	TKN	total Kjeldahl nitrogen
LAA	land application area	total nitrogen	= TKN + NO ₃ -N
LADS	Land Application Data Sheet(s)	TRC	total residual chlorine
mg/L	milligrams per liter	TSS	total suspended solids
mL	milliliters	WQA	New Mexico Water Quality Act
MPN	most probable number	WQCC	Water Quality Control Commission
NMAC	New Mexico Administrative Code	WWTF	Wastewater Treatment Facility

II. FINDINGS

In issuing this Discharge Permit, NMED finds the following.

1. The Permittee is discharging effluent or leachate from the Facility so that such effluent or leachate may move into groundwater of the State of New Mexico that has an existing

concentration of 10,000 mg/L or less of TDS, within the meaning of Subsection A of 20.6.2.3101 NMAC, without exceeding standards of 20.6.2.3103 NMAC for any water contaminant.

2. The Permittee is discharging effluent or leachate from the Facility directly or indirectly into groundwater pursuant to this Discharge Permit and Sections 20.6.2.3000 through 20.6.2.3114 NMAC.
3. The discharge from this Facility has the potential to contain water contaminants or toxic pollutants elevated above the standards of Section 20.6.2.3103 NMAC and is not subject to the exemption at Subsection 20.6.2.3105 NMAC.

III. AUTHORIZATION TO DISCHARGE

The Permittee is responsible for ensuring that discharges authorized by this Discharge Permit are consistent with the terms and conditions herein pursuant to 20.6.2.3104 NMAC.

This Discharge Permit authorizes the Permittee to treat domestic up to 9,000 gpd of wastewater using a WesTech STM Aerotor wastewater treatment package plant. This Discharge Permit also authorizes the Permittee to discharge treated wastewater to a 4,200 ft² low-pressure dose disposal field.

[20.6.2.3104 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection D of 20.6.2.3109 NMAC]

IV. CONDITIONS

NMED issues this Discharge Permit for the discharge of water contaminants subject to the following conditions.

A. OPERATIONAL PLAN

#	Terms and Conditions
1.	The Permittee shall implement the following operational plan to ensure compliance with Title 20, Chapter 6, Parts 2 and 4 NMAC. [Subsection C of 20.6.2.3109 NMAC]
2.	The Permittee shall operate in a manner that does not violate standards and requirements of Sections 20.6.2.3101 and 20.6.2.3103 NMAC. [20.6.2.3101 NMAC, 20.6.2.3103 NMAC, Subsection C of 20.6.2.3109 NMAC]

Operational Actions with Implementation Deadlines

#	Terms and Conditions
3.	Within 60 days following the issuance date of this Discharge Permit (by DATE), the Permittee shall conduct an inspection and test for water-tight construction on the Cafeteria/Gymnasium Grease Interceptor (GI-1). A person meeting the qualification requirements identified in Paragraph (2), Subsection B of 20.7.3.904 NMAC, Liquid Waste Disposal and Treatment Regulations, shall perform the inspection and test. The Permittee shall perform the water-tightness inspection according to the following procedures: a) Sampling of the contents of the unit and disposal of the contents in accordance with all local, state, and federal regulations, including 40 CFR Part 503. Inspection of the interior of the unit to determine the construction material, interior dimensions, and structural integrity. b) Collect photographic documentation of the condition of the interior of the unit while the unit is empty. Completion of water-tightness testing shall use one of the two following procedures. a) <u>Conducting hydrostatic testing</u> using the following procedure. 1) Plug the inlet and outlet piping of the unit. 2) Fill the unit with water to the normal operating level. 3) Measure the water level. 4) Allow the water to stand for 60 minutes without the addition of water. 5) Measure the water level at the end of 60 minutes. A unit that does not allow a drop-in water level of greater than 0.01 feet in 60 minutes is considered to be watertight. - OR - b) <u>Conducting vacuum testing</u> using the following procedure. 1) Seal all openings to the unit. 2) Apply a vacuum of 50 millimeters (mm) of mercury to the unit. 3) Allow the unit to stand for two minutes without the application of additional vacuum. A watertight unit maintains at least 90% of the vacuum (i.e., greater than 45 mm of mercury) after two minutes. The Permittee shall keep a record of all inspection findings and water-tightness testing, including but not limited to a narrative description of the processes and date-stamped photographs.

#	Terms and Conditions
	The Permittee shall submit a report for each unit inspected/tested to NMED in the next required periodic monitoring report. The report shall include the date of the inspection/test, the name of the individual who conducted the test, written inspection findings, photographic documentation of the unit's interior, and water-tightness test results. In the event that water-tightness testing reveals that a unit is not watertight, or should inspection reveal damage to the unit that could result in structural failure, the Permittee shall notify NMED within 30 days of the inspection/test date. The Permittee shall implement the following corrective actions upon notification from NMED. a) Within 90 days following notification from NMED, repair or replace the unit. If notified to do so by NMED, the Permittee shall submit plans and specifications for the proposed repair or replacement that bear the seal and signature of a licensed New Mexico professional engineer (pursuant to the New Mexico Engineering and Surveying Practice Act and the rules promulgated under that authority). The Permittee shall submit plans and specifications to NMED prior to construction for evaluation of compliance with the requirements of 20.6.2 NMAC. b) Within 30 days following repair or replacement of the unit, repeat the water-tightness testing to verify the effectiveness of the repair or replacement, and submit a report to NMED. The report shall include the date of the inspection/test, the name of the individual who performed the inspection/test, written inspection findings, photographic documentation of the unit's interior, and water tightness test results. If notified to do so by NMED, the Permittee shall also submit record drawings that bear the seal and signature of a licensed New Mexico professional engineer (pursuant to the New Mexico Engineering and Surveying Practice Act and the rules promulgated under that authority) that include the final construction details of the unit. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
4.	If the Permittee develops a Preliminary Engineering Report (PER) for this Facility, the Permittee shall submit the draft PER to NMED for review for Discharge Permit compliance determination and comment. During the development of construction plans and specifications for the proposed modifications and/or upgrades to the treatment process and/or a new treatment system, the Permittee shall submit construction plans and specifications at 50% and 95%, or equivalent, level of design for to NMED for review for Discharge Permit compliance and comment.

#	Terms and Conditions
	[Subsections A and C of 20.6.2.1202 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection C of 20.6.2.3107 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]
5.	A minimum of 90 days prior to construction of the modifications and/or upgrades to the treatment process and/or a new treatment system, the Permittee shall submit final construction plans and specifications for NMED's review of the proposed modifications and/or upgrades to the treatment process and/or a new treatment system. The construction plans and specifications shall bear the seal and signature of a licensed New Mexico professional engineer (pursuant to New Mexico Engineering and Surveying Practice Act and the rules promulgated under that authority) and shall include the supporting design calculations. The submitted documentation shall include the following elements. a) Wastewater system component(s) design, e.g., lift stations, valves, transfer lines, process units and associated details; whether new for the new system, retrofitted for the new system, or proposed for abandonment. b) The infrastructure necessary to discharge wastewater to a low-pressure dose disposal field. The absorption area shall be sized to accommodate the maximum daily volume of wastewater discharged at the maximum allowable total nitrogen limit designated in this Discharge Permit while not exceeding the nitrogen loading limit of 200 pounds per acre in any 12-month period. c) Flow meter design detail - Flow meters to measure the volume of wastewater discharged to the modified and/or upgraded treatment process and/or new treatment system then discharged to the low-pressure dose disposal system. d) Specifications for all equipment, materials and installation procedures the Permittee will use in the construction of the wastewater system. e) Fences design detail around the modifications and/or upgrades to the treatment process and/or the new treatment system. Prior to constructing the modifications and/or upgrades to the treatment process and/or a new treatment system and its associated components, the Permittee shall obtain written verification from NMED that the plans and specifications meet the requirements of this Discharge Permit. [Subsections A and C of 20.6.2.1202 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection C of 20.6.2.3107 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]
6.	Prior to discharging to the modifications and/or upgrades to the treatment process and/or a new treatment system, the Permittee shall complete construction in accordance with the final construction plans and specifications required by this

#	Terms and Conditions
	Discharge Permit. The Permittee shall notify NMED at least five working days prior to commencement of construction to allow NMED personnel to be onsite for inspection during construction. [Subsections A and C of 20.6.2.1202 NMAC, Subsection C of 20.6.2.3109 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]
7.	Within 30 days of completing construction of the modifications and/or upgrades to the treatment process and/or the new treatment system the Permittee shall submit record drawings to NMED that bear the seal and signature of a licensed New Mexico professional engineer (pursuant to the New Mexico Engineering and Surveying Practice Act and the rules promulgated under that authority) for the constructed modifications and/or upgrades to the treatment process and/or the new treatment system. [Subsections A and C of 20.6.2.1202 NMAC, Subsection C of 20.6.2.3109 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]

Operating Conditions

#	Terms and Conditions
8.	The Permittee shall ensure that treated wastewater discharged from the package treatment plant does not exceed the following discharge limit. Total Nitrogen: 20 mg/L [Subsection C of 20.6.2.3109 NMAC]
9.	The Permittee shall discharge treated wastewater to the low-pressure dose disposal field such that the amount of total nitrogen discharged does not exceed 200 pounds per acre in any 12-month period. The Permittee shall not adjust nitrogen content to account for volatilization or mineralization processes. The Permittee shall distribute wastewater evenly throughout the entire disposal area. [Subsection C of 20.6.2.3109 NMAC]
10.	The Permittee shall maintain fences around the package plant to restrict access by the general public and animals. The fences shall consist of a minimum of six-foot chain-link or field fencing, with locking gates. The Permittee shall maintain the fences to serve the stated purpose throughout the term of this Discharge Permit. [Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]

#	Terms and Conditions
11.	The Permittee shall maintain signs indicating that the wastewater at the Facility is not potable. The Permittee shall post signs at the Facility entrance and other areas where there is potential for public contact with wastewater. The Permittee shall print signs in English and Spanish and shall ensure the signs remain visible and legible for the term of this Discharge Permit. [Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]
12.	The Permittee shall inspect and clean the influent pump stations (IPS-1 and IPS-2) as needed to prevent pump failure. The Permittee shall maintain a record of pump station inspections, repairs, and cleanings. The Permittee shall make the record available to NMED upon request. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
13.	The Permittee shall visually inspect the area above the low-pressure dose disposal field (disposal system) monthly to ensure proper maintenance. The Permittee shall correct any conditions that indicate damage to the disposal system. The Permittee shall ensure conditions corrected include erosion damage, animal activity/damage, woody shrubs, evidence of seepage, or any other condition indicating damage. The Permittee shall keep a log of the inspections that includes a date of the inspection, any findings and repairs, and the name of the inspector. The Permittee shall make the log available to NMED upon request. In the event of a failure of the disposal system, the Permittee shall implement the Contingency Plan set forth in this Discharge Permit. [Subsections A and D of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
14.	The Permittee shall properly manage all solids generated by the treatment system to maintain effective operation of the system by removing solids as necessary and in accordance with associated equipment manufacturer's specifications. The Permittee shall contain, transport, and dispose of all solids removed from the treatment process in accordance with all local, state, and federal regulations. The Permittee shall maintain manifests for all solids transported from the treatment Facility for off-site disposal. The manifests shall identify the name of the hauler, the date of off-site shipment, the volume of solids removed, the disposal method, and disposal location. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]

#	Terms and Conditions
15.	The Permittee shall inspect each septic tank (ST-1, ST-2, and ST-3) semiannually for the accumulation of scum and solids. In the event that the scum layer exceeds three inches or the settled solids occupy 30% or more of the tank volume, the contents of the tanks shall be pumped by a septage pumper meeting the qualification requirements identified in Subsection D of 20.7.3.904 NMAC, Liquid Waste Disposal and Treatment Regulations. The Permittee shall create and maintain a log of all septic tank inspections that describes the findings, repairs, and removals, the date of the inspection, and the name of the person responsible for the inspection. The Permittee shall make the log available to NMED upon request. The Permittee shall maintain a record of solids removal and disposal, including the name of the septage hauler, date of off-site shipment, volume of solids removed, disposal method, and disposal location. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
16.	The Permittee shall inspect the concrete grease interceptor (GI-1) on a monthly basis and remove accumulated grease and settled solids as needed to prevent them from exiting the unit. The Permittee shall create and maintain a log of all grease interceptor inspections that describes all findings, repairs, removals, the date of the inspection, and the name of the person responsible for the inspection. The Permittee shall make the log available to NMED upon request. The Permittee shall maintain a record of grease/solids removal and disposal, including date, volume of grease/solids removed, disposal method, and disposal location. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
17.	The Permittee shall utilize operators, certified by the State of New Mexico at the appropriate level pursuant to 20.7.4 NMAC, to operate the wastewater collection, treatment, and disposal systems. A certified operator or a direct supervisee of a certified operator shall perform the operations and maintenance of all or any part of the wastewater system. The Permittee shall notify the NMED within 24 hours if at any time the Permittee no longer has a certified operator maintaining the system. [Subsection C of 20.6.2.3109 NMAC, 20.7.4 NMAC]

B. MONITORING AND REPORTING

#	Terms and Conditions
18.	The Permittee shall conduct the monitoring, reporting, and other requirements listed below in accordance with the monitoring requirements of this Discharge Permit. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
19.	METHODOLOGY – Unless otherwise specified by this Discharge Permit, or approved in writing by NMED, the Permittee shall use sampling and analytical techniques that conform with the references listed in Subsection B of 20.6.2.3107 NMAC. [Subsection B of 20.6.2.3107 NMAC]

Due Dates for Monitoring Reports

#	Terms and Conditions
20.	Quarterly monitoring - The Permittee shall perform monitoring and other permit required actions during the following periods and shall submit quarterly reports to NMED by the following due dates: • January 1st through March 31st – due by May 1st; • April 1st through June 30th – due by August 1st; • July 1st through September 30th – due by November 1st; and • October 1st through December 31st – due by February 1st. [Subsection A of 20.6.2.3107 NMAC]

Groundwater Monitoring Conditions

#	Terms and Conditions
21.	The Permittee shall perform quarterly groundwater sampling in the following groundwater monitoring wells and analyze the samples for TKN, NO₃-N, TDS, and Cl. a) MW-1, located approximately 40 feet hydrologically downgradient of the low-pressure dose disposal field (36.006189, -105.950319) The Permittee shall perform groundwater sample collection, preservation, transport, and analysis according to the following procedures. a) Measure the depth-to-most-shallow groundwater from the top of the well casing to the nearest one-hundredth of a foot. b) Purge three well volumes of water from the well prior to sample collection.

#	Terms and Conditions
	c) Obtain samples from the well for analysis. d) Properly prepare, preserve, and transport samples. e) Analyze samples in accordance with the methods authorized in this Discharge Permit. The Permittee shall submit the depth-to-most-shallow groundwater measurements and the laboratory analytical data results, including the laboratory QA/QC summary report and Chain of Custody for each well, to NMED in the quarterly monitoring reports. [Subsection A of 20.6.2.3107 NMAC]
22.	NMED shall have the option to perform downhole inspections of all groundwater monitoring wells identified in this Discharge Permit. NMED shall establish the inspection date and notify the Permittee. The Permittee shall remove any existing dedicated pumps at least 48 hours prior to NMED inspection to allow adequate settling time of sediment agitated from pump removal. Should the Permittee decide to install a pump in a monitoring well without a dedicated pump, the Permittee shall notify NMED at least 90 days prior to pump installation so that NMED can schedule a downhole well inspection prior to pump placement. [Subsections A and D of 20.6.2.3107 NMAC]

Facility Monitoring Conditions

#	Terms and Conditions
23.	The Permittee shall on a monthly basis estimate the volume of wastewater received by the wastewater treatment system by recording meter readings for the Facility's water supply (TFM-1) on a monthly basis and calculating the monthly and average daily usage volumes. To determine the discharge volume, the Permittee shall use the estimated monthly influent volume* (based upon meter readings) to calculate the average daily volume by the formula below. $\text{estimated monthly volume} \div \text{number of days in the month} = \text{average daily volume}$ Each month, the Permittee shall make note of any significant uses of the water (e.g., irrigation, evaporative cooling or leaks) that do not contribute to the volume of wastewater received.

#	Terms and Conditions
	The Permittee shall submit the monthly meter readings, estimated monthly and average daily influent volumes, and notes and estimated volume of significant uses for each calendar month to NMED in the quarterly monitoring reports. *Should more than one flow meter exist for the Facility's water supply, the Permittee shall calculate the estimated monthly volume for the Facility by adding the estimated monthly volume for each meter. This summation should be completed prior to calculating the average daily volume for the Facility. [Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]
24.	The Permittee shall collect samples of treated wastewater from the effluent weir prior to discharge to the low-pressure dose disposal field on a quarterly basis and analyze the samples for: • TKN; • NO₃-N; • TDS; and • Cl. The Permittee shall ensure the samples are properly prepared, preserved, transported, and analyzed in accordance with the methods authorized in this Discharge Permit. The Permittee shall submit the laboratory analytical data results, including the QA/QC summary and Chain of Custody, to NMED in the subsequent quarterly monitoring report. [Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]
25.	Within one year of the issuance date of this Discharge Permit (by DATE), while the academic year is in session, the Permittee shall collect a grab sample of untreated wastewater from the inlet of the treatment facility (prior to any treatment) and analyze the sample for fats, oils, and grease (FOG). The Permittee shall ensure the sample is properly prepared, preserved, transported, and analyzed in accordance with the methods authorized in this Discharge Permit. The Permittee shall submit the laboratory analytical data results, QA/QC summary, and the Chain of Custody to NMED in the monitoring reports due by August 1st each year. [Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]
26.	The Permittee shall complete LADS (copy enclosed) on a monthly basis, which documents the amount of nitrogen applied to the low-pressure dose disposal field during the most recent 12 months. The LADS shall reflect the total nitrogen concentration from the most recent wastewater analysis and the estimated discharge volumes to the low-pressure dose disposal field for each month. The Permittee shall complete the LADS with the information above or include a statement that the discharge of treated wastewater

#	Terms and Conditions
	did not occur. The Permittee shall submit the LADS to NMED in the subsequent quarterly monitoring report. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
27.	The Permittee shall submit all records of solids and grease removal and disposal to NMED in the quarterly monitoring reports. [Subsection A of 20.6.2.3107 NMAC]

C. CORRECTIVE ACTIONS

#	Terms and Conditions
28.	Analytical results of treated wastewater samples from the Facility continue to indicate an exceedance of the total nitrogen discharge limit set in the Discharge Permit. The Permittee shall collect samples of treated wastewater from the effluent weir prior to discharge to the low-pressure dose disposal field on a monthly basis and analyze the samples for total nitrogen. When analytical results from three consecutive months of wastewater sampling do not exceed the discharge limit, the Permittee may request NMED authorize a return to a quarterly monitoring frequency. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
29.	Within 60 days of the issuance date of this Discharge Permit (by DATE), the Permittee shall submit a long-term Correction Action Plan (CAP) to NMED for approval, that includes a proposal to modify operational procedures and/or upgrade the treatment process to achieve the total nitrogen limit which includes schedule for completion of corrective actions. The Permittee shall initiate implementation of the long-term CAP following approval by NMED. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]

D. CONTINGENCY PLAN

#	Terms and Conditions
30.	In the event that groundwater monitoring indicates that groundwater exceeds a standard identified in Section 20.6.2.3103 NMAC, the Permittee shall collect a confirmatory sample from the monitoring well within 15 days of receipt of the initial sampling results to confirm the initial sampling results. Within 60 days of confirmation of groundwater contamination, the Permittee shall submit to NMED a Corrective Action Plan (CAP) that proposes, at a minimum, contaminant source control measures and an implementation schedule. The Permittee shall implement the CAP as approved by NMED. This condition shall apply until the Permittee completes groundwater monitoring for a minimum of eight (8) consecutive quarterly samples demonstrating groundwater does not exceed the standards of Section 20.6.2.3103 NMAC. Violation of the groundwater standard beyond 180 days after the confirmation of groundwater contamination may cause NMED to require the Permittee to abate water pollution consistent with the requirements and provisions of Section 20.6.2.4101, Section 20.6.2.4103, Subsections C and E of 20.6.2.4106, Section 20.6.2.4107, Section 20.6.2.4108, and Section 20.6.2.4112 NMAC. [20.6.2.3103 NMAC, Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]
31.	In the event that information available to NMED indicates that a well is not constructed in a manner consistent with the attached Monitoring Well Guidance, contains insufficient water to effectively monitor groundwater quality, or is otherwise not completed in a manner that is protective of groundwater quality, the Permittee shall install a replacement well(s) within 120 days following notification from NMED. The Permittee shall install replacement well(s) at locations approved by NMED prior to installation and shall complete replacement well(s) in accordance with the attached Monitoring Well Guidance. The Permittee shall submit well construction and lithologic logs to NMED within 60 days following well completion. The Permittee shall properly plug and abandon monitoring well(s) requiring replacement upon completion of the replacement monitoring well(s). The Permittee shall complete the well plugging and abandonment and document the abandonment procedures, in accordance with the attached Monitoring Well Guidance and all applicable local, state, and federal regulations. The Permittee shall submit a copy of the well abandonment documentation to NMED within 60 days following the replacement well(s) completion.

#	Terms and Conditions
	[Subsection A of 20.6.2.3107 NMAC]
32.	In the event that analytical results of a treated wastewater sample indicate an exceedance of the total nitrogen discharge limit set in this Discharge Permit, the Permittee shall collect and submit for analysis a second sample within 48 hours of the receipt of the initial sampling results. In the event the second sample results indicate an exceedance of the discharge limit, the Permittee shall implement the following contingencies. a) Within 7 days of the second sample analysis date indicating exceedance of the discharge limit, the Permittee shall: i) notify NMED that the Permittee is implementing the Contingency Plan; and ii) submit a copy of the first and second analytical results indicating an exceedance to NMED. b) The Permittee shall increase the frequency of total nitrogen wastewater sampling and analysis of treated wastewater to once per month. c) The Permittee shall examine the operation and maintenance log, required by the Record Keeping conditions of this Discharge Permit, for improper operational procedures. d) The Permittee shall conduct a physical inspection of the treatment system to detect abnormalities. The Permittee shall correct any abnormalities discovered. The Permittee shall submit a report to NMED detailing the corrections within 30 days of correction. e) In the event that any analytical results from monthly wastewater sampling indicate an exceedance of the total nitrogen discharge limit, the Permittee shall submit a CAP to NMED for approval proposing to modify operational procedures and/or upgrade the treatment process to achieve the total nitrogen limit. The Permittee shall submit the CAP including a schedule for completion of corrective actions and within 90 days of receipt of the analytical results of the second sample indicating that the discharge continues to exceed the limit. The Permittee shall initiate implementation of the CAP following approval by NMED. When analytical results from three consecutive months of wastewater sampling do not exceed the discharge limit, the Permittee may request NMED authorize a return to a quarterly monitoring frequency. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
33.	In the event that the LADS (copy enclosed) show that the amount of nitrogen in wastewater applied in any 12-month period exceeds 200 pounds per acre, the Permittee shall propose the reduction of nitrogen loading to the low-pressure dose disposal field by submitting a CAP to NMED for approval. The Permittee shall ensure the CAP includes

#	Terms and Conditions
	a schedule for completion of corrective actions and submit the CAP within 90 days following the end of the monitoring period in which the exceedance occurred. The Permittee shall implement the CAP following approval by NMED. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
34.	In the event that the Permittee identifies failure of the low-pressure dose disposal field, such as surfacing wastewater, the Permittee shall implement the following Contingency Plan. a) Within 24 hours following the discovered failure, the Permittee shall: i) Notify NMED of the failure in accordance with the notification requirements described in the Contingency Plan for unauthorized discharges; and ii) Restrict public access to the area. b) The Permittee shall conduct a physical inspection of the treatment and disposal system to identify additional potential failures and record them in the inspection log. c) The Permittee shall propose actions to address the failure and methods of correction by submitting a CAP to NMED for approval within 15 days following the discovered failure. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions. The Permittee shall initiate implementation of the CAP following NMED approval. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
35.	In the event that a release occurs that is not authorized under this Discharge Permit (commonly known as a “spill”), the Permittee shall take measures to mitigate damage from the unauthorized discharge and initiate the notifications and corrective actions required in Section 20.6.2.1203 NMAC and summarized below. A release is defined as such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property. Within <u>24 hours</u> following discovery of the unauthorized discharge, the Permittee shall verbally notify NMED and provide the following information. a) The name, address, and telephone number of the person or persons in charge of the Facility, as well as of the owner and/or operator of the Facility. b) The name and address of the Facility. c) The date, time, location, and duration of the unauthorized discharge. d) The source and cause of unauthorized discharge. e) A description of the unauthorized discharge, including its estimated chemical composition. f) The estimated volume of the unauthorized discharge. g) Any actions taken to mitigate immediate damage from the unauthorized discharge.

#	Terms and Conditions
	Within <u>one week</u> following discovery of the unauthorized discharge, the Permittee shall submit written notification to NMED providing the information listed above and any pertinent updates. Within <u>15 days</u> following discovery of the unauthorized discharge, the Permittee shall submit a CAP to NMED describing any corrective actions previously taken and corrective actions to be taken relative to the unauthorized discharge. The CAP shall include the following information. a) A description of proposed actions to mitigate damage from the unauthorized discharge. b) A description of proposed actions to prevent future unauthorized discharges of this nature. c) A schedule for completion of proposed actions. In the event that the unauthorized discharge causes or may with reasonable probability cause water pollution in excess of the standards and requirements of Section 20.6.2.4103 NMAC, and the water pollution will not be abated within 180 days after notice is required to be given pursuant to Paragraph (1) of Subsection A of 20.6.2.1203 NMAC, NMED may require the Permittee to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC. The Permittee shall not construe anything in this condition as relieving them of the obligation to comply with all requirements of Section 20.6.2.1203 NMAC. [20.6.2.1203 NMAC]
36.	In the event that NMED or the Permittee identifies any failures of the discharge plan, i.e., the application, or this Discharge Permit not specifically noted herein, NMED may require the Permittee to submit a CAP and a schedule for completion of corrective actions to address the failure(s). Additionally, NMED may require a discharge permit modification to achieve compliance with 20.6.2 NMAC. [Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]

E. CLOSURE PLAN

Permanent Facility Closure Conditions

#	Terms and Conditions
37.	The Permittee shall perform the following closure measures in the event the Facility, or a component of the Facility, is proposed to be permanently closed, and upon ceasing discharge. Within <u>90 days</u> of ceasing discharge to the septic tank leach field system(s) (or closed system components), the Permittee shall complete the following closure measures: a) Plug all lines leading to and from the closed system(s) so that a discharge can no longer occur. b) Wastewater, septage, and grease interceptor waste shall be pumped from the system components (e.g., septic tanks, grease trap/interceptors, lift stations, dosing chambers, distribution boxes) and it shall be contained, transported, and disposed of in accordance with all local, state, and federal regulations, including 40 CFR Part 503. The Permittee shall maintain a record of all wastes transported for off-site disposal. Within <u>90 days</u> of ceasing to discharge to the treatment system, the Permittee shall complete the following closure measures. a) Plug the line leading to the system so that a discharge can no longer occur. b) Evaporate wastewater in the system components or drain and dispose of in accordance with all local, state, and federal regulations, or discharged from the system to the low-pressure dose disposal field as authorized by this Discharge Permit. The discharge of accumulated solids (sludge) to the disposal field is prohibited. c) Contain, transport, and dispose of solids removed from the treatment system in accordance with all local, state, and federal regulations, including 40 CFR Part 503. The Permittee shall maintain a record of all solids transported for off-site disposal. Within <u>180 days</u> of ceasing discharge to the septic tank leach field system(s) (or closed system components), the Permittee shall complete the following closure measures: a) Remove all lines leading to and from the closed system(s) or permanently plug them and abandon them in place. b) Remove or demolish all closed septic tanks, grease trap/interceptors, lift stations, dosing chambers, distribution boxes or other system(s) components (with the exception of leach fields) and re-grade the area with suitable fill to blend with surface topography to promote positive drainage and prevent ponding.

#	Terms and Conditions
	Within <u>180 days</u> of ceasing to discharge to the treatment system (or unit), the Permittee shall complete the following closure measures. - Remove all lines leading to and from the treatment system or permanently plug and abandon them in place. - Remove or demolish all treatment system components, and re-grade the area with suitable fill to blend with surface topography, promote positive drainage, and prevent ponding. The Permittee shall continue groundwater monitoring until the Permittee meets the requirements of this condition and groundwater monitoring confirms for a minimum of eight consecutive quarterly groundwater sampling events that groundwater does not exceed the standards of Section 20.6.2.3103 NMAC. This period is referred to as “post-closure.” If at any time monitoring results show an exceedance of a groundwater quality standard in Section 20.6.2.3103 NMAC or the total nitrogen concentration is greater than 10 mg/L in groundwater, the Permittee shall implement the Contingency Plan required by this Discharge Permit. Following notification from NMED that the Permittee may cease post-closure monitoring, the Permittee shall plug and abandon the monitoring well(s) in accordance with the attached Monitoring Well Guidance. When the Permittee has met all closure and post-closure requirements and verified appropriate actions with date stamped photographic evidence or an associated NMED inspection, the Permittee may submit to NMED a written request, including photographic evidence, for termination of the Discharge Permit. [Subsection A of 20.6.2.3107 NMAC, 40 CFR Part 503]

F. GENERAL TERMS AND CONDITIONS

#	Terms and Conditions
38.	RECORD KEEPING - The Permittee shall maintain a written record of the following: - Information and data used to complete the application for this Discharge Permit; - Information, data, and documents demonstrating completion of closure activities; - Any releases (commonly known as “spills”) not authorized under this Discharge Permit and reports submitted pursuant to 20.6.2.1203 NMAC;

#	Terms and Conditions
	• The operation, maintenance, and repair of all facilities/equipment used to treat, store or dispose of wastewater; • Facility record drawings (plans and specifications) showing the actual construction of the Facility and bear the seal and signature of a licensed New Mexico professional engineer; • Copies of logs, inspection reports, and monitoring reports completed and/or submitted to NMED pursuant to this Discharge Permit; • The volume of wastewater or other wastes discharged pursuant to this Discharge Permit; • Groundwater quality and wastewater quality data collected pursuant to this Discharge Permit; • Copies of construction records (well log) for all sampled groundwater monitoring wells pursuant to this Discharge Permit; • The maintenance, repair, replacement or calibration of any monitoring equipment or flow measurement devices required by this Discharge Permit; and • Data and information related to field measurements, sampling, and analysis conducted pursuant to this Discharge Permit, including: ○ the dates, location and times of sampling or field measurements; ○ the name and job title of the individuals who performed each sample collection or field measurement; ○ the sample analysis date of each sample; ○ the name and address of the laboratory, and the name of the signatory authority for the laboratory analysis; ○ the analytical technique or method used to analyze each sample or collect each field measurement; ○ the results of each analysis or field measurement, including raw data; ○ the results of any split, spiked, duplicate or repeat sample; and ○ a copy of the laboratory analysis chain-of-custody as well as a description of the quality assurance and quality control procedures used. The Permittee shall maintain the written record at a location accessible to NMED during a Facility inspection for a minimum of five years. The Permittee shall make the record available to NMED upon request. [Subsections A and D of 20.6.2.3107 NMAC]
39.	SUBMITTALS – The Permittee shall submit both a paper copy and an electronic copy of all notification and reporting documents required by this Discharge Permit, e.g., monitoring reports. The Permittee shall submit paper and electronic documents to the NMED Permit Contact identified on the Permit cover page.

#	Terms and Conditions
	[Subsection A of 20.6.2.3107 NMAC]
40.	INSPECTION and ENTRY – The Permittee shall allow NMED to inspect the Facility and its operations that are subject to this Discharge Permit and the WQCC regulations. NMED may upon presentation of proper credentials, enter at reasonable times upon or through any premises in which a water contaminant source is located or in which any maintained records required by this Discharge Permit, the regulations of the federal government, or the WQCC are located. The Permittee shall allow NMED to have access to and reproduce for their use any copy of the records, and to perform assessments, sampling or monitoring during an inspection for the purpose of evaluating compliance with this Discharge Permit and the WQCC regulations. No person shall construe anything in this Discharge Permit as limiting in any way the inspection and entry authority of NMED under the WQA, the WQCC Regulations, or any other local, state or federal regulations. [Subsection D of 20.6.2.3107 NMAC, NMSA 1978, §§ 74-6-9.B and 74-6-9.E]
41.	DUTY to PROVIDE INFORMATION - The Permittee shall, upon NMED's request, allow for NMED's inspection/duplication of records required by this Discharge Permit and/or furnish to NMED copies of such records. [Subsection D of 20.6.2.3107 NMAC]
42.	MODIFICATIONS and/or AMENDMENTS – In the event the Permittee proposes a change to the Facility or the Facility's discharge that would result in a change in the volume discharged; the location of the discharge; or in the amount or character of water contaminants received, treated or discharged by the Facility, the Permittee shall notify NMED prior to implementing such changes. The Permittee shall obtain NMED's approval (which may require modification of this Discharge Permit) prior to implementing such changes. [Subsection C of 20.6.2.3107 NMAC, Subsections E and G of 20.6.2.3109 NMAC]
43.	PLANS and SPECIFICATIONS – In the event the Permittee proposes to construct a wastewater system or change a process unit of an existing system such that the quantity or quality of the discharge will change substantially from that authorized by this Discharge Permit, the Permittee shall submit construction plans and specifications of the proposed system or process unit to NMED for approval prior to the commencement of construction.

#	Terms and Conditions
	In the event the Permittee implements changes to the wastewater system authorized by this Discharge Permit that result in only a minor effect on the character of the discharge, the Permittee shall report such changes (including the submission of record drawings where applicable) to NMED prior to implementation. [Subsections A and C of 20.6.2.1202 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]
44.	CIVIL PENALTIES - Any violation of the requirements and conditions of this Discharge Permit, including any failure to allow NMED staff to enter and inspect records or facilities, or any refusal or failure to provide NMED with records or information, may subject the Permittee to a civil enforcement action. Pursuant to WQA 74-6-10(A) and (B), such action may include a compliance order requiring compliance immediately or in a specified time, assessing a civil penalty, modifying or terminating the Discharge Permit, or any combination of the foregoing; or an action in district court seeking injunctive relief, civil penalties, or both. Pursuant to WQA 74-6-10(C) and 74-6-10.1, civil penalties of up to \$15,000 per day of noncompliance may be assessed for each violation of the WQA 74-6-5, the WQCC Regulations, or this Discharge Permit, and civil penalties of up to \$10,000 per day of noncompliance may be assessed for each violation of any other provision of the WQA, or any regulation, standard, or order adopted pursuant to such other provision. In any action to enforce this Discharge Permit, the Permittee waives any objection to the admissibility as evidence of any data generated pursuant to this Discharge Permit. [20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10 and 74-6-10.1]
45.	CRIMINAL PENALTIES – No person shall: • Make any false material statement, representation, certification or omission of material fact in an application, record, report, plan or other document filed, submitted or maintained under the WQA; • Falsify, tamper with or render inaccurate any monitoring device, method or record maintained under the WQA; or • Fail to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation. Any person who knowingly violates or knowingly causes or allows another person to violate the requirements of this condition is guilty of a fourth-degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who is convicted of a second or subsequent violation of the requirements of this condition is guilty of a third-degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition or knowingly causes another person to violate the requirements of this condition and thereby causes a substantial adverse environmental impact is guilty of a third-degree felony and shall be sentenced in accordance with the provisions of NMSA

#	Terms and Conditions
	1978, § 31-18-15. Any person who knowingly violates the requirements of this condition and knows at the time of the violation that he is creating a substantial danger of death or serious bodily injury to any other person is guilty of a second degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. [20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10.2.A through 74-6-10.2.F]
46.	COMPLIANCE with OTHER LAWS - Nothing in this Discharge Permit shall be construed in any way as relieving the Permittee of the obligation to comply with any other applicable federal, state, and/or local laws, regulations, zoning requirements, nuisance ordinances, permits or orders. [NMSA 1978, § 74-6-5.L]
47.	RIGHT to APPEAL - The Permittee may file a petition for review before the WQCC on this Discharge Permit. Such petition shall be in writing to the WQCC within thirty days of the receipt of postal notice of this Discharge Permit and shall include a statement of the issues raised and the relief sought. Unless the Permittee files a timely petition for review, the decision of NMED shall be final and not subject to judicial review. [20.6.2.3112 NMAC, NMSA 1978, § 74-6-5.O]
48.	TRANSFER of DISCHARGE PERMIT - Prior to the transfer of any ownership, control, or possession of this Facility or any portion thereof, the Permittee shall: • Notify the proposed transferee in writing of the existence of this Discharge Permit; • Include a copy of this Discharge Permit with the notice; and • Deliver or send by certified mail to NMED a copy of the notification and proof that the proposed transferee has received such notification. The Permittee shall continue to be responsible for any discharge from the Facility, until both ownership and possession of the Facility have been transferred to the transferee. [20.6.2.3111 NMAC]
49.	PERMIT FEES – The Permittee shall be aware that the payment of permit fees is due at the time of Discharge Permit approval. The Permittee may pay the permit fees in a single payment or they may pay the fee in equal installments on a yearly basis over the term of the Discharge Permit. The Permittee shall remit single payments to NMED no later than 30 days after the Discharge Permit issuance date. The Permittee shall remit initial installment payments to NMED no later than 30 days after the Discharge Permit issuance date; with subsequent installment payments remitted to NMED no later than the anniversary of the Discharge Permit issuance date.

#	Terms and Conditions
	Permit fees are associated with <u>issuance</u> of this Discharge Permit. No person shall construe anything in this Discharge Permit as relieving the Permittee of the obligation to pay all permit fees assessed by NMED. A Permittee that ceases discharging or does not commence discharging from the Facility during the term of the Discharge Permit shall pay all permit fees assessed by NMED. NMED shall suspend or terminate an approved Discharge Permit if the Permittee fails to remit an installment payment by its due date. [Subsection F of 20.6.2.3114 NMAC, NMSA 1978, § 74-6-5.K]



New Mexico Environment Department Ground Water Quality Bureau Discharge Permit Summary

Facility Information

Facility Name Chimayo Elementary School
Discharge Permit Number DP-1453
Legally Responsible Party Espanola Public School District #55
Tomas Campos, Chief of Operations
405 Hunter Street
Espanola, New Mexico 87532
(505) 367-3301

Treatment, Disposal, and Site Information

Primary Waste Type Domestic Wastewater
Facility Type Educational Institution

Treatment Methods

Type	Designation	Description & Comments
Grease Interceptor	GI-1	1,500-gallon two-chambered concrete grease interceptor receiving wastewater from the cafeteria/gymnasium. Discharges to ST-1.
Septic Tank	ST-1	2,000-gallon two-chambered concrete septic tank receiving wastewater from the cafeteria/gymnasium. Located east of the cafeteria/gymnasium building. Discharges to ST-3.
Septic Tank	ST-2	2,000-gallon two-chambered concrete septic tank receiving wastewater from the classroom facilities. Discharges to ST-3.
Septic Tank	ST-3	2,000-gallon two-chambered concrete septic tank receiving wastewater from ST-1 and ST-2.
Influent Pump Station	IPS-1	Influent pump station, which pumps wastewater from the ST-1 to ST-3.
Influent Pump Station	IPS-2	Influent pump station, which pumps wastewater from ST-3 to the Package Plant.
Wastewater Treatment System	Package Plant	Receives wastewater from IPS-2. WesTech STM-Aerotator oxic/anoxic package treatment plant with 9,000 gpd design flow. Discharges to UIC-1.

Discharge Locations

Type	Designation	Description & Comments
Injection Well/UIC	UIC-1	4,200 ft ² (600 linear feet) pipe and gravel low-pressure dose disposal field

Flow Metering Locations

Type	Designation	Description & Comments
Totalizing Flow Meter	TFM-1	Water supply meter for the school.



New Mexico Environment Department Ground Water Quality Bureau Discharge Permit Summary

Ground Water Monitoring Locations

Type	Designation	Description & Comments
Monitoring Well	MW-1	Located approximately 40 feet hydrologically downgradient of the leachfield (36.006189, -105.950319).

Depth-to-Ground Water 49 feet
Total Dissolved Solids (TDS) 310 mg/L

Permit Information

Original Permit Issued September 16, 2005
Permit Renewal September 25, 2012
Permit Renewal May 19, 2019

Current Action	Renewal
Application Received	October 23, 2024
Public Notice Published	[not yet published]
Permit Issued (Issuance Date)	[issuance date]
Permitted Discharge Volume	9,000 gallons per day

NMED Contact Information

Mailing Address Ground Water Quality Bureau
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

GWQB Telephone Number (505) 827-2900

NMED Lead Staff Samantha Peterson
Lead Staff Telephone Number (505) 490-5282
Lead Staff Email samantha.peterson@env.nm.gov or pps.general@env.nm.gov

**NEW MEXICO ENVIRONMENT DEPARTMENT
GROUND WATER QUALITY BUREAU
MONITORING WELL CONSTRUCTION AND ABANDONMENT GUIDELINES**

Purpose: These guidelines identify minimum construction and abandonment details for installation of water table monitoring wells under groundwater Discharge Permits issued by the NMED's Ground Water Quality Bureau (GWQB) and Abatement Plans approved by the GWQB. Proposed locations of monitoring wells required under Discharge Permits and Abatement Plans and requests to use alternate installation and/or construction methods for water table monitoring wells or other types of monitoring wells (e.g., deep monitoring wells for delineation of vertical extent of contaminants) must be submitted to the GWQB for approval prior to drilling and construction.

General Drilling Specifications:

1. All well drilling activities must be performed by an individual with a current and valid well driller license issued by the State of New Mexico in accordance with 19.27.4 NMAC. Use of drillers with environmental well drilling experience and expertise is highly recommended.
2. Drilling methods that allow for accurate determinations of water table locations must be employed. All drill bits, drill rods, and down-hole tools must be thoroughly cleaned immediately prior to the start of drilling. The borehole diameter must be drilled a minimum of 4 inches larger than the casing diameter to allow for the emplacement of sand and sealant.
3. After completion, the well should be allowed to stabilize for a minimum of 12 hours before development is initiated.
4. The well must be developed so that formation water flows freely through the screen and is not turbid, and all sediment and drilling disturbances are removed from the well.

Well Specifications (see attached monitoring well schematic):

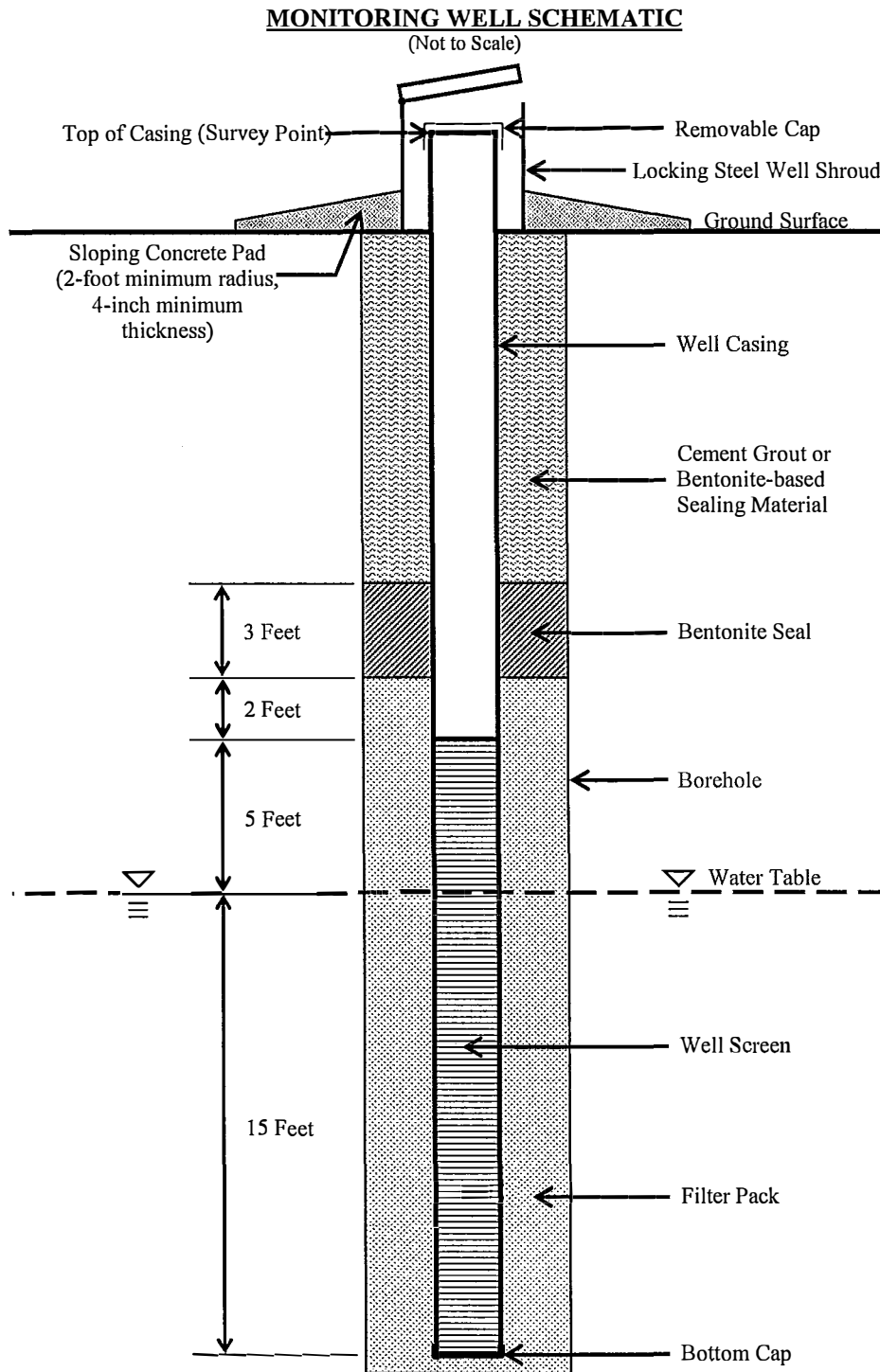
5. Schedule 40 (or heavier) polyvinyl chloride (PVC) pipe, stainless steel pipe, carbon steel pipe, or pipe of an alternate appropriate material that has been approved for use by NMED must be used as casing. The casing must have an inside diameter not less than 2 inches. The casing material selected for use must be compatible with the anticipated chemistry of the groundwater and appropriate for the contaminants of interest at the facility. The casing material and thickness selected for use must have sufficient collapse strength to withstand the pressure exerted by grouts used as annular seals and thermal properties sufficient to withstand the heat generated by the hydration of cement-based grouts. Casing sections may be joined using welded, threaded, or mechanically locking joints; the method selected must provide sufficient joint strength for the specific well installation. The casing must extend from the top of the screen to at least one foot above ground surface. The top of the casing must be fitted with a removable cap, and the exposed casing must be protected by a locking steel well shroud. The shroud must be large enough in diameter to allow easy access for removal of the cap. Alternatively, monitoring wells may be completed below grade. In this case, the casing must extend from the top of the screen to 6 to 12 inches below the ground surface; the monitoring wells must be sealed with locking, expandable well plugs; a flush-mount, watertight well vault that is rated to withstand traffic loads must be emplaced around the wellhead; and the cover must be secured with at least one bolt. The vault cover must indicate that the wellhead of a monitoring well is contained within the vault.
6. A 20-foot section (maximum) of continuous-slot, machine slotted, or other manufactured PVC or stainless steel well screen or well screen of an alternate appropriate material that has been approved for use by NMED must be installed across the water table. Screens created by cutting slots into solid casing with saws or other tools must not be used. The screen material selected for use must be compatible with the anticipated chemistry of the ground water and appropriate for the contaminants of interest at the facility. Screen sections may be joined using welded, threaded, or mechanically

- locking joints; the method selected must provide sufficient joint strength for the specific well installation and must not introduce constituents that may reasonably be considered contaminants of interest at the facility. A cap must be attached to the bottom of the well screen; sumps (i.e., casing attached to the bottom of a well screen) should not be installed. The bottom of the screen must be installed no more than 15 feet below the water table; the top of the well screen must be positioned not less than 5 feet above the water table. The well screen slots must be appropriately sized for the formation materials and should be selected to retain 90 percent of the filter pack. A slot size of 0.010 inches is generally adequate for most installations.
7. Casing and well screen must be centered in the borehole by placing centralizers near the top and bottom of the well screen.
 8. A filter pack must be installed around the screen by filling the annular space from the bottom of the screen to 2 feet above the top of the screen with clean silica sand. The filter pack must be properly sized to prevent fine particles in the formation from entering the well; clean medium to coarse silica sand is generally adequate as filter pack material for 0.010-inch slotted well screen. For wells deeper than 30 feet, the sand must be emplaced by a tremmie pipe. The well should be surged or bailed to settle the filter pack and additional sand added, if necessary, before the bentonite seal is emplaced.
 9. A bentonite seal must be constructed immediately above the filter pack by emplacing bentonite chips or pellets (3/8-inch in size or smaller) in a manner that prevents bridging of the chips/pellets in the annular space. The bentonite seal must be 3 feet in thickness and hydrated with clean water. Adequate time should be allowed for expansion of the bentonite seal before installation of the annular space seal.
 10. The annular space above the bentonite seal must be sealed with cement grout or a bentonite-based sealing material acceptable to the State Engineer pursuant to 19.27.4 NMAC. A tremmie pipe must be used when placing sealing materials at depths greater than 20 feet below the ground surface. Annular space seals must extend from the top of the bentonite seal to the ground surface (for wells completed above grade) or to a level 3 to 6 inches below the top of casing (for wells completed below grade).
 11. For monitoring wells finished above grade, a concrete pad (2-foot minimum radius, 4-inch minimum thickness) must be poured around the shroud and wellhead. The concrete and surrounding soil must be sloped to direct rainfall and runoff away from the wellhead. The installation of steel posts around the well shroud and wellhead is recommended for monitoring wells finished above grade to protect the wellhead from damage by vehicles or equipment. For monitoring wells finished below grade, a concrete pad (2-foot minimum radius, 4-inch minimum thickness) must be poured around the well vault and wellhead. The concrete and surrounding soil must be sloped to direct rainfall and runoff away from the well vault.

Abandonment:

12. Approval for abandonment of monitoring wells used for ground water monitoring in accordance with Discharge Permit and Abatement Plan requirements must be obtained from NMED prior to abandonment.
13. Well abandonment must be accomplished by removing the well casing and placing neat cement grout, bentonite-based plugging material, or other sealing material approved by the State Engineer for wells that encounter water pursuant to 19.27.4 NMAC from the bottom of the borehole to the ground surface using a tremmie pipe. If the casing cannot be removed, neat cement grout, bentonite-based plugging material, or other sealing material approved by the State Engineer must be placed in the well using a tremmie pipe from the bottom of the well to the ground surface.
14. After abandonment, written notification describing the well abandonment must be submitted to the NMED. Written notification of well abandonment must consist of a copy of the well plugging record submitted to the State Engineer in accordance with 19.27.4 NMAC, or alternate documentation containing the information to be provided in a well plugging record required by the State Engineer as specified in 19.27.4 NMAC.

Deviation from Monitoring Well Construction and Abandonment Requirements: Requests to construct water table monitoring wells or other types of monitoring wells for groundwater monitoring under groundwater Discharge Permits or Abatement Plans in a manner that deviates from the specified requirements must be submitted in writing to the GWQB. Each request must state the rationale for the proposed deviation from these requirements and provide detailed evidence supporting the request. The GWQB will approve or deny requests to deviate from these requirements in writing.



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TOTALS

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