CERTIFIED MAIL – RETURN RECEIPT REQUESTED

August 12, 2026

Dr. Lique Coolen, Vice President, Office of Research
New Mexico Tech – Energetic Materials Research and Testing Center
801 Leroy Place
Socorro, New Mexico, 87801

RE: Draft Discharge Permit Renewal, DP-421, New Mexico Tech – Energetic Materials Research and Testing Center

Dear Dr. Lique Coolen:

The New Mexico Environment Department (NMED) hereby provides notice to you of the proposed approval of Ground Water Discharge Permit Renewal, DP-421, (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 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: 2026.08.12 10:44:14 -06'00'

Samantha Peterson, Water Resource Professional

Encl: Draft Discharge Permit Renewal, DP-421

cc: Cris Clayton, EMRTC Director, cris.clayton@emrtc.nmt.edu
Stacy Kuykendall, Environmental Engineer, stacy@emrtc.nmt.edu

NEW MEXICO
ENVIRONMENT DEPARTMENT
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Draft: August 12, 2026

GROUND WATER QUALITY BUREAU
DISCHARGE PERMIT
Issued under 20.6.2 NMAC

Facility Name:	New Mexico Tech – Energetic Materials Research and Testing Center
Discharge Permit Number:	DP-421
Facility Location:	1001 South Road Socorro, New Mexico
County:	Socorro
Permittee:	New Mexico Tech – Energetic Materials Research and Testing Center Dr. Lique Coolen, Vice President, Office of Research
Mailing Address:	801 Leroy Place, Socorro, New Mexico 87801
Facility Contact: Telephone Number/Email:	Cris Clayton, Director (575) 835-5701 / cris.clayton@emrtc.nmt.edu
Permitting Action:	Renewal
Permit Issuance Date: **Permit Expiration Date:**	[DATE] [DATE]
NMED Contact: Telephone Number/Email:	Samantha Peterson 505-490-5282 / 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

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Discharge Permit Summary
Groundwater Discharge Permit Guidance for Synthetically Lined Lagoons – Liner Material and Site Preparation, Revision 0.0, May 2007
Hydrostatic Test Evaluation Report for Tightness Testing

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I. INTRODUCTION

The New Mexico Environment Department (NMED) issues this groundwater discharge permit renewal (Discharge Permit or DP-421) to the New Mexico Tech (NMT) – Energetic Materials Research and Testing Center (EMRTC or 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 the Energetic Materials Research and Testing Center (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).

Described below are the activities that produce the discharge, the location of the discharge, and the quantity, quality, and flow characteristics.

The Facility receives and treats up to 2,800 gallons per day (gpd) of domestic wastewater. Treated wastewater discharges to nine septic tank and leach field systems.

The Facility also discharges up to 700 gpd of industrial wastewater to a concrete-lined impoundment with a secondary synthetic liner for disposal by evaporation.

Discharge Permit Location Information:

Physical Address	1001 South Road
Nearest Town/City	Socorro
Section, Township, Range	Section 33, Township 02 South, Range 01 West; Section 36, Township 02 South, Range 02 West; Sections 8 and 9, Township 03 South, Range 01 West; Sections 1, 2, and 6, Township 03 South, Range 02 West
County	Socorro
Depth to Groundwater	60-217 feet below ground surface
Pre-Discharge TDS	1450 mg/L

Discharge Permit Issuance History:

Original Permit Issuance	December 22, 1986
Permit Renewal	May 15, 1992

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Permit Renewal	May 22, 1997
Permit Renewal	September 17, 2003
Permit Renewal	May 14, 2010
Permit Renewal	June 30, 2015
Permit Renewal and Modification	April 14, 2021

The application (i.e., discharge plan) associated with this Discharge Permit consists of the materials submitted by the Permittee dated February 5, 2026, 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

Abbreviation	Explanation		Abbreviation	Explanation
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 discharge up to 2,800 gpd of domestic wastewater to nine septic tank and leach field systems.

This Discharge Permit also authorizes the Permittee to discharge up to 700 gpd of industrial wastewater to a concrete-lined impoundment for disposal by evaporation.

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

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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 one year following the issuance date of this Discharge Permit (**by DATE**), the Permittee shall conduct an inspection and test for water-tight construction on the seven active septic tanks (Torres Lab (STLF1), 3K West Bunker (STLF 3), 3K West Gun Tube Storage (STLF 4), Alliant LAP Office (STLF 5), Alliant LAP Assembly Building (STLF 6), Load Shed (STLF 7), and 3K North Bunker (STLF 9)). Should usage of the 300M RA Bunker (STLF 2) and the Eagle Site Building (STLF 8) resume, the Permittee shall have a test for water-tight construction conducted on their associated septic tanks before resuming discharge to the septic tanks. 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.

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#	Terms and Conditions
	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. 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 that 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

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#	Terms and Conditions
	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 that 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]

Operating Conditions

#	Terms and Conditions
4.	The Permittee shall maintain fences around the industrial wastewater impoundment to restrict unauthorized access by the general public and animals. The fences shall consist of a minimum of six-foot chain link or field fencing and 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]
5.	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]
6.	The Permittee shall maintain the impoundment liners to avoid conditions that could affect the liner or the structural integrity of the industrial wastewater impoundment. Characterization of such conditions may include the following: • erosion damage; • animal burrows or other damage;

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#	Terms and Conditions
	• the presence of vegetation including aquatic plants, weeds, woody shrubs or trees growing within five feet of the top inside edge of a sub-grade impoundment, within five feet of the toe of the outside berm of an above-grade impoundment, or within the impoundment itself; • the presence of large debris or large quantities of debris in the impoundment; • evidence of seepage; or • evidence of berm subsidence. The Permittee shall routinely control vegetation growing around the impoundment by mechanical removal that is protective of the impoundment liner. The Permittee shall visually inspect the impoundment and surrounding berms on a monthly basis to ensure proper maintenance. In the event that an inspection reveals any evidence of damage that threatens the structural integrity of an impoundment berm or liner, or that may result in an unauthorized discharge, the Permittee shall implement the Contingency Plan set forth in this Discharge Permit. The Permittee shall create and maintain a log of all impoundment inspections which describes the date of the inspection, any findings and repairs and the name of the person responsible for the inspection. The Permittee shall make the log available to NMED upon request. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
7.	The Permittee shall preserve a minimum of two feet of freeboard, i.e., the distance between the highest calculated liquid level in the impoundment and the liquid level which would result in the release of stored liquid from the impoundment. In the event that the Permittee determines that it cannot preserve two feet of freeboard in the impoundment, the Permittee shall implement the Contingency Plan set forth in this Discharge Permit. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
8.	The Permittee shall visually inspect each of the seven active leach fields (STLF1, STLF 3, STLF 4, STLF 5, STLF 6, STLF 7, and STLF 9) (disposal system) monthly to ensure proper maintenance. Should usage of the 300M RA Bunker (STLF 2) and the Eagle Site Building (STLF 8) resume, the Permittee shall resume inspection of their associated leach fields monthly. The Permittee shall correct any conditions that indicate damage to the disposal system. The Permittee shall ensure conditions corrected include erosion damage, animal

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#	Terms and Conditions
	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]
9.	The Permittee shall inspect each of the seven active septic tanks (STLF1, STLF 3, STLF 4, STLF 5, STLF 6, STLF 7, and STLF 9) semi-annually for the accumulation of scum and solids. Should usage of the 300M RA Bunker (STLF 2) and the Eagle Site Building (STLF 8) resume, the Permittee shall resume inspection of their associated septic tanks. 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/holding tank inspections which 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]
10.	The Permittee shall inspect the industrial wastewater impoundment leak detection and recovery system on a monthly basis for the presence of liquid. If the Permittee detects liquid in the leak detection system, the Permittee shall collect a sample and analyze the sample for fluoride, Cl, NO_3-N, sulfate, TDS, perchlorate, total petroleum hydrocarbons, and explosives within 30 days of discovery. The Permittee shall maintain a log of the leak detection system inspection which includes the date of inspection, any findings and repairs made, and the name of the person responsible for the inspecting. A copy of the inspection log, including a statement

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#	Terms and Conditions
	whether or not liquids were observed in the leak detection systems, shall be submitted to NMED in the semi-annual monitoring reports. [Subsection A and B of 20.6.2.3107 NMAC]

B. MONITORING AND REPORTING

#	Terms and Conditions
11.	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]
12.	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
13.	Semi-annual monitoring - The Permittee shall perform monitoring and other Permit required actions during the following periods and shall submit semi-annual reports to NMED by the following due dates: • January 1st through June 30th – **due by August 1st; and** • July 1st through December 31st – **due by February 1st.** [Subsection A of 20.6.2.3107 NMAC]

Facility Monitoring Conditions

#	Terms and Conditions
14.	The Permittee shall on a monthly basis estimate the influent volume of wastewater received by the Facility by recording meter readings for the Facility's water supply on a monthly basis and calculating the monthly and average daily usage volumes.

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#	Terms and Conditions
	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. estimated monthly volume ÷ number of days in the month = 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. The Permittee shall submit the monthly meter readings, estimated monthly and average daily influent volumes, notes, and estimated volume of significant uses for each calendar month to NMED in the semi-annual 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]
15.	The Permittee shall collect samples of wastewater from two of the active septic tanks each year, rotating among the seven active tanks on an annual basis, and analyze the samples for: • TKN • TDS • Cl The Permittee shall properly prepare, preserve, transport and analyze the samples in accordance with the methods authorized in this Discharge Permit. The Permittee shall submit a copy of the laboratory analytical data results, including the QA/QC summary and Chain of Custody, to NMED in the subsequent semi-annual monitoring report. Should usage of the 300M RA Bunker (STLF 2) and the Eagle Site Building (STLF 8) resume, the Permittee shall begin incorporating those septic tanks into the annual sampling rotation. [Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]
16.	The Permittee shall collect a composite wastewater sample on an annual basis from each cell of the impoundment if both cells contain wastewater, or only one cell if only one side of the impoundment contains wastewater at the time of sampling. The composite sample shall consist of a minimum of six equal aliquots collected equidistantly around

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	the entire perimeter of the evaporative impoundment and thoroughly mixed. The Permittee shall analyze the composite sample for: • TKN; • NO_3-N; • TDS; • Cl; • Sulfate • Fluoride • Perchlorate • Total Petroleum Hydrocarbons [EPA Method 8015 MOD/Diesel Range]; and • Explosives [EPA Method 8095] 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, including the QA/QC summary and Chain of Custody, to NMED in the semi-annual 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]
17.	The Permittee shall submit all records of solids removal and disposal to NMED in the semi-annual monitoring reports. [Subsection A of 20.6.2.3107 NMAC]

C. CONTINGENCY PLAN

#	Terms and Conditions
18.	In the event that groundwater exceeds a groundwater protection standard identified in Section 20.6.2.3103 NMAC as a result of this discharge, 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 following approval by NMED. The NMED may 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.

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#	Terms and Conditions
	[20.6.2.3103 NMAC, Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]
19.	In the event that the laboratory analytical data results of the liquid present in the leak detection sump indicates that the chemical content of the liquid is consistent with the contents of the evaporative impoundment, the Permittee shall submit a CAP to NMED which evaluates the primary liner leakage rate and proposes options for stopping or reducing leakage. The Permittee shall submit the CAP to NMED for approval within 60 days of the receipt of the analytical results demonstrating consistency with the liquid in the sump and the evaporative impoundment. [Subsection A of 20.6.2.3107 NMAC]
20.	In the event that an inspection reveals significant damage has occurred or is likely to affect the structural integrity of an impoundment or liner or their ability to contain contaminants, the Permittee shall propose the repair or replacement by submitting a CAP to NMED for approval. The Permittee shall submit the CAP to NMED within 30 days after discovery of the damage or following notification from NMED that significant damage is evident. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions. The Permittee shall initiate implementation of the CAP following approval by NMED. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
21.	In the event that an impoundment cannot preserve a minimum of two feet of freeboard, the Permittee shall take actions to restore the required freeboard as authorized by this Discharge Permit and all applicable local, state, and federal regulations. In the event that two feet of freeboard cannot be restored within a period of 72 hours following discovery, the Permittee shall propose actions to restore two feet of freeboard by submitting a short-term CAP to NMED for approval. Examples of short-term corrective actions include the pumping and hauling of excess wastewater from the impoundment or reducing the volume of wastewater discharged to the impoundment. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions. The Permittee shall submit the CAP within 15 days following the date the Permittee or the NMED discover the exceedance. The Permittee shall implement the CAP following NMED approval. In the event that the short-term corrective actions fail to restore two feet of freeboard, the Permittee shall submit to NMED a proposal for permanent corrective actions in a long-term CAP. The Permittee shall submit the long-term CAP within 90 days following failure of the short-term CAP. Examples of corrective actions include the installation of an

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	additional storage impoundment or a significant and permanent reduction in the volume of wastewater discharged to the impoundment. The Permittee shall ensure the long-term CAP includes a schedule for completion of corrective actions. The Permittee shall implement the CAP following NMED approval. [Subsection A of 20.6.2.3107 NMAC]
22.	In the event that the Permittee identifies failure of a leach 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]
23.	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 24 hours 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.

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	g) Any actions taken to mitigate immediate damage from the unauthorized discharge. Within one week following discovery of the unauthorized discharge, the Permittee shall submit written notification to NMED providing the information listed above and any pertinent updates. Within 15 days 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]
24.	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]

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D. CLOSURE PLAN

Permanent Facility Closure Conditions

#	Terms and Conditions
25.	The Permittee shall perform the following closure measures in the event the Facility, or a component thereof, is proposed to be permanently closed. Within 60 days of ceasing to discharge to the impoundment, the Permittee shall plug the impoundment influent lines so that a discharge can no longer occur. Within 60 days of ceasing to discharge to the impoundment, the Permittee shall evaporate or drain all wastewater from the impoundment and any other wastewater system component and dispose of it in accordance with all local, state, and federal regulations. Within 90 days of ceasing to discharge to the impoundment, the Permittee shall submit a sludge removal and disposal plan, which includes soil sampling to characterize potential releases, to NMED for approval. The Permittee shall implement the plan within 30 days following approval by NMED. The sludge removal and disposal plan shall include the following information. a) The estimated volume and dry weight of sludge planned for removal and disposal, including measurements and calculations. b) Analytical results for samples of the sludge taken from the impoundment for TKN, NO_3-N, percent total solids, and any other parameters tested (reported in mg/kg, dry weight basis). c) The method of sludge *removal* from the impoundment. d) The method of *disposal* for all the sludge (and its contents) removed from the impoundment(s). The method shall comply with all local, state and federal regulations, including 40 CFR Part 503. *Note: A proposal that includes the surface disposal of sludge may be subject to Groundwater Discharge Permitting requirements pursuant to 20.6.2.3104 NMAC that are separate from the requirements of this Discharge Permit*. e) The methods and extent of soil sampling to assess any potential releases associated with the impoundment(s). f) A schedule for completion of sludge removal and disposal not to exceed two years from the date discharge to the impoundment ceased. Within one year following completion of the sludge removal and disposal, the Permittee shall complete the following closure measures. g) Remove all lines leading to and from the impoundment or permanently plug and

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#	Terms and Conditions
	abandon the lines in place. h) Remove or demolish any other wastewater system components and re-grade area with suitable fill to blend with surface topography, promote positive drainage and prevent ponding. i) Characterize, remove, and dispose of all solids from the impoundments in accordance with local, state, and federal regulations, and maintain a record of solids transported for off-site disposal, including the volume of solids transported and the disposal location. j) Remove and dispose of the impoundment liners at a solid waste facility. k) Sample soil below the liners, assess the impact, report that assessment to NMED, and mitigate the impacts following NMED approval. l) Fill the impoundment(s) with suitable fill. m) Re-grade the impoundment site and the locations of ancillary equipment, e.g., influent piping, to blend with surface topography, promote positive drainage and prevent ponding. 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, Subsection D of 20.6.2.4103 NMAC, 40 CFR Part 503]
26.	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>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.

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#	Terms and Conditions
	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. 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]

E. GENERAL TERMS AND CONDITIONS

#	Terms and Conditions
27.	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; • 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;

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#	Terms and Conditions
	○ 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]
28.	SUBMITTALS – The Permittee shall submit either a paper copy or an electronic copy of all notification and reporting documents required by this Discharge Permit, e.g., monitoring reports. The Permittee shall submit either paper or electronic documents to the NMED Permit Contact identified on the Permit cover page. [Subsection A of 20.6.2.3107 NMAC]
29.	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.

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#	Terms and Conditions
	[Subsection D of 20.6.2.3107 NMAC, NMSA 1978, §§ 74-6-9.B and 74-6-9.E]
30.	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]
31.	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]
32.	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. 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]
33.	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

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#	Terms and Conditions
	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]
34.	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 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]
35.	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]
36.	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

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#	Terms and Conditions
	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]
37.	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]
38.	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. 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]

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New Mexico Environment Department Ground Water Quality Bureau

Discharge Permit Summary

Facility Information

Facility Name New Mexico Tech - Energetic Materials Research and Testing Center
Discharge Permit Number DP-421

Legally Responsible Party New Mexico Tech – Energetic Materials Research and Testing Center
Dr. Lique Coolen, Vice President of Research

801 Leroy Place
Socorro, NM 87801
(575) 835-5646

Treatment, Disposal and Site Information

Primary Waste Type Industrial and Domestic
Facility Type Educational Institution

Treatment Methods and Discharge Locations

Type	Designation	Description & Comments
Septic Tank/Leach Field	STLF 1 (Torres Lab)	500-gallon plastic tank with two 4-inch perforated drainpipes; located east of the Torres Laboratory.
Septic Tank/Leach Field	STLF 2 (300M RA Bunker)	500-gallon plastic tank with two 4-inch perforated drainpipes; located east of the 300M RA Bunker; inactive.
Septic Tank/Leach Field	STLF 3 (3K West Bunker)	500-gallon plastic tank with one 100-foot by 4-inch perforated drainpipe; located west of the 3K West Bunker.
Septic Tank/Leach Field	STLF 4 (3K West Gun Tube Storage)	500-gallon plastic tank with one 100-foot by 4-inch perforated drainpipe; located east of the Gun Tube Storage.
Septic Tank/Leach Field	STLF 5 (Alliant LAP Office)	500-gallon plastic tank with one 100-foot by 4-inch perforated drainpipe; located north of the Alliant LAP Office Building.
Septic Tank/Leach Field	STLF 6 (Alliant LAP Assembly Building)	500-gallon plastic tank with two 50-foot by 4-inch perforated drainpipes; located south of the Alliant LAP Assembly Building.
Septic Tank/Leach Field	STLF 7 (Load Shed)	500-gallon plastic tank with two 50-foot by 4-inch perforated drainpipes; located north of the Load Shed.
Septic Tank/Leach Field	STLF 8 (Eagle Site Building)	500-gallon plastic tanks with two 50-foot by 4-inch perforated drainpipes; located northeast of the Eagle Site Office Building; inactive.
Septic Tank/Leach Field	STLF 9 (3K North Bunker)	500-gallon plastic tank with two 50-foot by 4-inch perforated drainpipes; located west of the 3K North Bunker.
Evaporative Impoundment	Industrial Wastewater Impoundment	45-foot by 85-foot concrete lined, double celled evaporative impoundment equipped with a secondary synthetic liner and leak detection

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Depth-to-Ground Water	60-217 feet
Total Dissolved Solids (TDS)	1,450 mg/L

Permit Information

Original Permit Issued	December 22, 1986
Permit Renewal	May 15, 1992
Permit Renewal	May 22, 1997
Permit Renewal	September 17, 2003
Permit Renewal	May 14, 2010
Permit Renewal	June 30, 2015
Permit Renewal and Modification	April 14, 2021
Current Action	**Renewal**
Application Received	February 5, 2026
Public Notice Published	[not yet published]
Permit Issued (Issuance Date)	[Issuance Date]
Permitted Discharge Volume	700 gallons per day of industrial wastewater 2,800 gallons per day of domestic wastewater

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

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Groundwater Discharge Permit Guidance for Synthetically Lined Lagoons – Liner Material and Site Preparation

This guidance document represents minimum liner material and site preparation requirements for wastewater treatment, storage and evaporation lagoons. These requirements do not apply to lagoons storing hazardous wastes or high strength waste. The Ground Water Quality Bureau may impose additional requirements (e.g., double-lined lagoons with leak detection) for facilities discharging hazardous or high strength waste to lagoons through the development of specific Discharge Permit conditions for such facilities.

Liner Material Requirements:

1. The liner shall be chemically compatible with any material that will contact the liner.
2. The liner material shall be resistant to deterioration by sunlight if any portion of the liner will be exposed.
3. Synthetic liner material shall be of sufficient thickness to have adequate tensile strength and tear and puncture resistance. Under no circumstances shall a synthetic liner material less than 40 mils in thickness be accepted. Any liner material shall be certified by a licensed New Mexico professional engineer and approved by the New Mexico Environment Department (NMED) prior to its installation.

Lagoon Design and Site Preparation Requirements:

1. The system shall be certified by a licensed New Mexico professional engineer and approved by NMED prior to installation.
2. Inside slopes shall be a maximum of 3 (horizontal): 1 (vertical), and a minimum of 4 (horizontal); 1 (vertical).
3. Lagoon volume shall be designed to allow for a minimum of 24 inches of freeboard.
4. The liner shall be installed with sufficient liner material to accommodate shrinkage due to temperature changes. Folds in the liner are not acceptable.
5. To a depth of at least six inches below the liner, the sub-grade shall be free of sharp rocks, vegetation and stubble. In addition, liners shall be placed on a sub-grade of sand or fine soil. The surface in contact with the liner shall be smooth to allow for good contact between liner and sub-grade. The surface shall be dry during liner installation.
6. Sub-grade shall be compacted to a minimum of 90% of standard proctor density.
7. The minimum dike width shall be eight feet to allow vehicle traffic for maintenance.
8. The base of the pond shall be as uniform as possible and shall not vary more than three inches from the average finished elevation.
9. Synthetic liners shall be anchored in an anchor trench in the top of the berm. The trench shall be a minimum of 12 inches wide, 12 inches deep and shall be set back at least 24 inches from the inside edge of the berm.
10. If the lagoon is installed over areas of decomposing organic materials or shallow groundwater, a liner vent system shall be installed.
11. Any opening in the liner through which a pipe or other fixture protrudes shall be properly sealed. Liner penetrations shall be detailed in the construction plans and record drawings.
12. A synthetic liner shall not be installed in temperatures below freezing.
13. The liner shall be installed or supervised by an individual that has the necessary training and experience as required by the liner manufacturer.
14. All manufacturer's installation and field seaming guidelines shall be followed.
15. All synthetic liner seams shall be field tested by the installer and verification of the adequacy of the seams shall be submitted to NMED along with the record drawings.
16. Concrete slabs installed on top of the synthetic liner for operational purposes shall be completed in accordance with manufacturer and installer recommendations to ensure liner integrity.

State of New Mexico Environment Department - Pollution Prevention Section

HYDROSTATIC TEST EVALUATION REPORT

For PERMITTED ONSITE WASTE SYSTEMS

***Required or this form will be considered incomplete.**

(This page, One per Facility)

GENERAL INFORMATION

To be completed by **Third Party Evaluator**

PERMITTING INFORMATION	**Discharge Permit Number*** DP-	**Facility Name***	
FACILITY LOCATION	**Physical Address or** (Description if none)*		**County***
FACILITY CONTACT	**Name***	**Phone***	**Email***
NMED TECHNICAL REVIEWER	**Name***	**Phone***	**Email***

THIRD PARTY EVALUATOR INFORMATION

To be completed by **Third Party Evaluator**

EVALUATOR INFORMATION	**Name of Company***	**Company Phone Number***	**Name of Person Conducting the Evaluation (**Print)*
THIRD PARTY EVALUATOR QUALIFICATION	**Qualification** (Circle One)* MM-98 MM-01 MS-03 MS-01 PE NSF NEHA REHS/RS OTHER (Approved by NMED) For "OTHER" date approved by NMED: Date:_____	**New Mexico License/Certification #***	**Expiration Date***
SEPTAGE COMPANY INFORMATION	**Name of Company*** _____	**Name of Driver** (Print)* _____	**Is this person a Qualified Septage Pumper under Section 904?** (Circle One)* YES NO

OTHER INFORMATION

Your signature below attests that the above detailed information is correct and true to the best of of your knowledge

Third Party Evaluator Name (Printed)*	**Signature***	**Date***

NOTICE TO OWNER OR AGENT: This report shall not be construed as a warranty that the system will function properly due to the numerous factors (usage, soil characteristics, previous failures, etc.) which may affect the proper operation of an onsite system.

Return this completed report to the NMED Technical Reviewer within 15 days of the evaluation. **This form is valid for 180 days after the date the evaluation was conducted.**	**NMED DATE STAMP for Date Received**

HYDROSTATIC TEST EVALUATION REPORT

UNIT DESCRIPTION

*Required or this form will be considered incomplete.

(One form per Unit tested, Pg. 1 of 2)

CONTAINMENT STRUCTURE INFORMATION

CONTAINMENT STRUCTURE (General Information)*	**UNIT IDENTIFIER** (See Discharge Permit Summary for Designation)*	**Latitude** (DD.ddddd°)*	**Longitude** (-DDD.ddddd°)*	**Elevation** (Feet)*

SIZE and MATERIALS	**Size (Gallons)** (Circle One)* 1000 1250 1500 2000 2500 3525 Other:_____	**Material** (Circle One)* Concrete Plastic Fiberglass Cinder Block Other:_____	**Manufacturer of Containment Structure** _____
	Structure or riser height if above ground (Top of structure to ground surface)* _____	**Covers Secure?** (Circle One)* YES NO N/A	**Year Manufactured** _____
	Internal Structure Dimensions (Length, Width, Height)* L:_____ W:_____ H:_____	**External Structure Dimensions** (Length, Width, Height)* L:_____ W:_____ H:_____	**Installation Company Name** _____ **Year of Installation** _____
ACCESS RISERS	**Access Risers - Inlet & Outlet?*** (Req'd 1997 1ft. Grade, 2005 to grade) YES NO Not Required	**Effluent Filter?** (Required 2013)* YES NO Not Required	**Handle on Effluent Filter?** (Required 2013)* YES NO Not Required
FUNCTIONALITY	**How many gallons were pumped for this evaluation?*** Gallons:_____	**Does Structure appear Level?*** YES NO	**Liquid Level in Structure at Outlet** (Circle One)* Above Invert At Invert Below Invert N/A
	Inlet Tee/Baffle (Circle One)* OK NOT OK ABSENT N/A Note:_____	**Outlet Tee/Baffle** (Circle One)* OK NOT OK ABSENT N/A Note:_____	**Baffle Wall** (Circle One)* OK NOT OK ABSENT N/A Note:_____
	Liquid Level in Structure (From Base to highest Liquid Level)* _____	**Freeboard** (Space between highest liquid level and top of Structure)* _____	**Does Structure meet Freeboard requirement?** (Circle One)* YES NO N/A
VISIBLE DESCRIPTORS (Circle All that Apply)*	Structural Cracking Excessive Deterioration Rust Streaks Exposed Aggregate Exposed Rebar/Wire Root Intrusion Tank/Manhole Deformed Access Riser Damage Missing Fasteners Fastener Deterioration		

Note any Problems, Concerns or Comments:

Return this completed report to the NMED Technical Reviewer within 15 days of the evaluation. **This form is valid for 180 days after the date the evaluation was conducted.**	**NMED DATE STAMP for Date Received**

HYDROSTATIC TEST EVALUATION REPORT

SUMMARY

*Required or this form will be considered incomplete.

(One form per Unit tested, Pg. 2 of 2)

Note: Unlicensed evaluators, septage pumpers, maintenance service providers and any unlicensed entity cannot repair or modify an Onsite Waste System

Evaluation Criteria [Subsection A of 20.6.2.3107 NMAC and; Subsection C of 20.6.2.3109 NMAC]	**UNIT IDENTIFIER** (See Discharge Permit Summary for Designation)*	**Date of Hydrostatic Test:***	**Circle One**
	_____	_____	

1	**Public Health and Safety**	Does the system currently constitute a public health or safety hazard?*	YES NO
2	**Photo Documentation**	Were pictures taken of the units interior?*	YES NO
3	**Photo Documentation**	Were pictures taken showing the Initial and Final Test measurements?*	YES NO
4	**Procedure**	**Testing Method** (Circle One)* 60-MINUTE LIQUID TEST 2-MINUTE VACUUM TEST OTHER (Approved by NMED) For "OTHER" date approved by NMED: Date:_____ *Liquid Test: 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.* *Vacuum Test: A watertight unit maintains at least 90% of the vacuum (i.e., greater than 45 mm of mercury) after two minutes.*	
5	**Measurements**	**Point of Measurement** (Circle One)* Top of Riser Ground Surface Top of Structure Other:_____	**Initial Measurement*** _____ **Final Measurement*** _____
	Evaluator Conclusion	The unit has been determined to be watertight.* **Circle one:**	YES NO
	Evaluator Recommendations	**Onsite Waste System** (Circle all that apply)* Appears to be functioning properly Structure Needs Replacement Structure Needs Repairs Immediate action required by Permittee Permit Modification or Amendment is Required No Action required at this time	

Comments (Describe any problems with the system and any repairs made):

Only licensed contractors and their employees may prepare inspection reports, construct, repair, or replace components of a permitted Onsite Waste System, this includes the following activities but is not limited to; install risers, repair risers or broken riser covers, install tee's, install filters, repair leaking structures, provide invoices for said repairs and collect payments for licensed companies only.

By signing below, I acknowledge that I have read the Discharge Permit Condition regarding Hydrostatic Testing and have personally conducted this evaluation in accordance with the terms of the Discharge Permit. The information contained in this report is correct and true to the best of my knowledge.

Evaluator's Name Printed*	**Evaluator's Signature***	**Date:***

For systems that do not meet the evaluation criteria specified above, appropriate action shall be taken by the property owner to assure that these systems are brought into compliance with [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]

Return this completed report to the NMED Technical Reviewer within 15 days of the evaluation. **This form is valid for 180 days after the date the evaluation was conducted.**	**NMED DATE STAMP for Date Received**