Audit Handbook

TM Deer Park Services LLC
2525 Independence Parkway South, Deer Park, Texas 77536

February 23, 2024

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

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1.0 GENERAL INFORMATION

Facility Name	TM Deer Park Services LLC
Physical Address	2525 Independence Parkway South Deer Park, Texas 77536
EPA Identification No.	TXD000719518
TCEQ Solid Waste Registration No.	32299
Facility Phone No.	(281) 930-2525
Facility Fax No.	(281) 930-2535

TM Deer Park Services LLC offers hazardous and non-hazardous waste treatment, storage, and disposal services centered on the facility's three on-site deepwells.

2.0 FACILITY AUTHORIZATIONS

2.1 Permits

See Permit Table 2.1 for a list of existing permits and expiration dates. Attachment 2.1 contains the cover pages for the permits listed in Table 2.1. If a permit is undergoing renewal with the authorizing agency, a copy of the transmittal letter for the renewal application can be found in Attachment 2.1, also.

2.2 Facility History

The facility was first established as a trucking terminal by Robertson Tank Lines and later purchased by DSI Transportation (DSI) in 1978. The site was purchased by The GNI Group (GNI) in 1987.

Waste disposal activities began onsite in 1980 with the permitting and construction (completed 1981) of the first deep injection well, WDW-169. The second well, WDW-249, was drilled in 1992 and completed construction in April 1993. The UIC permit for WDW-249 was issued in 1987. The no-migration petition for wells WDW-169 and WDW-249 was applied for in 1988 and granted in April 1990. Interim status under RCRA was granted by rule. The Part B permit application was submitted in 1983, resubmitted in 1985, and granted on August 26, 1992. The RCRA permit was renewed in May 2003 and July 2014. A UIC permit for third well, WDW-422, was issued in 2009. WDW-422 was drilled and completed in 2018. The no-migration petition for WDW-422 was granted on August 15, 2019.

GNI, while operating a profitable business on a day-to-day basis, went into bankruptcy as a result of financial leveraging to purchase the site. Texas Molecular purchased the assets of GNI after they had been in bankruptcy for about a year. Texas Molecular conducted a due diligence study in the form of a Phase I environmental site assessment, and some of the individuals purchasing the site were on the Board of Directors of The GNI Group, and thus had knowledge of the potential for environmental liabilities that might exist at the site prior to acquiring the GNI assets.

In conjunction with the Part B permit issuance in 1992, a RCRA Facility Investigation (RFI) was begun onsite. The RCRA Facility Assessment (RFA), Phase I of the RFI process, which was completed in September 1999, identified seven solid waste management units (WSMUs) onsite. These were basically associated with the wearing of concrete around small sumps onsite. Phase II of the RFI process involved closure of the SWMUs. The required SWMUs were closed in accordance with state Risk Reduction Standard (RRS) No. 2, which specifies that contaminants allowed to remain in place must not exceed health-based cleanup levels. The Texas Natural Resources Conservation Commission (TNRCC) now the Texas Commission on Environmental Quality (TCEQ) issued a letter to the site dated July 18, 2000 indicating that closure had met RRS No. 2.

2.3 Authorizing Agency Contacts

TCEQ
IHW Permits Section (MC-130)
Attn: Mr. Chris Shaw
P.O. Box 13087
Austin, Texas 78711

(512) 239-2349

TCEQ – Region 12
Attn: Karina Rocha, Waste Section Manager
5425 Polk St, Ste H
Houston TX 77023-1452

(713) 767-3500

3.0 SITE DESCRIPTION

3.1 Facility Location

TMDP is located on a 10.6 acre site at 2525 Independence Parkway South (formerly Battleground Road) in Deer Park, Texas.

3.2 Land Use

The area is heavily industrialized and the nearest neighborhood lies approximately three (3) miles to the South.

3.3 Flood Zone

The facility is outside the One-Hundred year floodplain. The nearest body of water is the Houston Ship Channel which is approximately one (1) mile to the Northwest.

3.4 Security

The facility is enclosed by a six (6) or eight (8) foot security fence. Facility gates are locked when not in use. Entrance to the facility is through a gate that is guarded twenty-four hours per day, seven (7) days per week. The exit gate is monitored by Security and Operations personnel remotely through a closed-circuit video camera.

4.0 WASTE MANAGEMENT SERVICES

4.1 Staffing

TMDP has approximately 40 full time employees working on site. The technical support staff is composed of chemists, biologists, environmental scientists, engineers as well as other disciplines commensurate with a quality waste management organization.

4.2 Waste Management Options

Current facility operations consist of storage in tanks and containers, filtration, and deepwell disposal. TMDP receives waste at the facility largely in tanker trucks; roll-off containers and drums can also be accepted. TMDP handles a variety of aqueous and water-soluble wastes including strong acids and caustics. The facility can also handle liquids with higher solids content through its filter press system. Waste acceptance is discussed further in Section 5.0.

Disposal of received wastes is via the facility's three on-site Class 1 injection wells. The deepwells are over 7,000 feet deep and are exempt from the land ban regulations (see Attachment 2.1). The deepwells are required to undergo Mechanical Integrity Testing (MIT) annually which consists of reservoir pressure fall-off, radioactive tracer, and annulus pressure testing. Approval of the latest MIT reports by the TCEQ can be found in Attachment 4.1.

4.3 Transportation

Transporters hauling wastes to TMDP are pre-approved before entry into the site, provided they have the proper registrations and insurance coverage. Transportation companies can be approved by submitting an Inbound Transporter Qualification Form (see Attachment 4.2).

4.4 Storage Facilities

Presently there is approximately 2.6 million gallons of permitted bulk liquid storage capacity of which 2.1 million gallons is in service. In addition, our permit allows us to store up to 6,972 drums.

5.0 WASTE STREAM APPROVAL & RECEIPT

5.1 Waste Analysis Plan

A copy of the facility's Waste Analysis Plan (WAP) can be found in Attachment 5.1. Sections 5.1 through 5.5 of this handbook summarizes the WAP.

5.2 Waste Approval

If an inquiry from a potential client indicates that the waste stream is potentially acceptable by the facility, the customer typically provides a pre-acceptance sample along with relevant paperwork to TMDP. Relevant paperwork includes a waste profile, at a minimum. For hazardous wastes, a Land Disposal Restriction Notification (LDRN) may also be submitted for review prior to approval. TMDP's waste profile document and LDRN can be found in Attachment 5.2.

The pre-acceptance sample is analyzed by the TMDP on-site laboratory to confirm compliance with safety and regulatory requirements, and to determine waste handling procedures.

TMDP reviews the waste profile form and any supporting documents (*e.g.,* laboratory analysis, safety data sheets, etc.) for technical adequacy. The review addresses: i) environmental and permit compliance; ii) treatability and handling; and iii) health and safety issues. Errors or omissions discovered during the review process are resolved through contact with the customer.

5.3 Scheduling & Shipping

Once a stream is approved and a Sales and Pricing Agreement is executed, the customer may contact our customer service department for scheduling. At the time of shipment, the generator is required by law to present a properly completed manifest or shipping paper, and possibly a LDRN (40 CFR 262 Subpart A and 40 CFR 268.7), depending on the waste's regulatory classification.

5.4 Waste Receipt & Analysis

Upon receipt, a computer database and tracking system is utilized to confirm the load and assure regulatory compliance. A fingerprint analysis of the truckload of waste is run and compared against the profiled characteristics to determine if there are any discrepancies. TMDP will resolve discrepancies with the customer. Once confirmed, the truck or drum is accepted for processing. The EPA codes are tracked through the subsequent processes and disposal.

5.5 Waste Residuals

Residual solids and media are sent off-site for disposal or further waste management at a RCRA-permitted facility. Liquid organics are typically sent for fuel blending. A list of TMDP-audited and approved off-site facilities is included as Attachment 5.3.

6.0 COMPLIANCE & SAFETY PERFORMANCE

6.1 Employee Training Program

Training Programs are developed by the TMDP Environmental, Health, and Safety (EHS) Department. All operations and maintenance personnel receive a minimum of twenty-four (24) hours HAZWOPER training. An annual eight (8) hour HAZWOPER refresher course is mandatory and safety meetings are held daily. All staff receive annual environmental training which covers facility permits and associated plans. Operators attend industrial fire school annually. The training programs are developed and conducted by the facility's Environmental and Safety professionals, or by third-party contractors. The programs are constantly updated and are tailored specifically to TMDP's needs.

6.2 Safety & Industrial Hygiene

The EHS Department has developed and implemented programs designed to provide maximum protection for company employees. Personnel monitoring and medical surveillance programs, along with sound work practices, ensure a safe working environment. Daily safety meetings reinforce training and awareness. TMDP's latest experience moderator rate (EMR) and last three years' OSHA 300A logs can be found in Attachments 6.1 and 6.2, respectively.

6.3 Inspections

As a RCRA facility, TMDP has an extensive internal inspection/audit program. Inspections are conducted daily, weekly, monthly, quarterly and annually by facility staff, the EHS Department or contractors.

6.4 Contingency Plan

A TCEQ-approved Contingency Plan has been developed in the event an emergency is declared. Local authorities including police, fire fighters, and other potential responders have been provided with a copy of the plan.

6.5 Regulatory Investigations

As a highly-regulated facility, TMDP is investigated regularly by regulatory agencies, such as the TCEQ. A copy of investigation findings from all regulatory agencies from the last five years can be found in Attachment 6.3. The TCEQ's Compliance Rating for the facility is currently 0.0. A rating of 0 to 0.1 is considered "high" performance, 0.1 to 55 is considered "satisfactory" performance, and over 55 is considered "unsatisfactory."

7.0 FINANCIAL RESPONSIBILITY

7.1 Insurance

In addition to general liability, automobile liability and worker's compensation, TMDP maintains maximum coverage for environmental impairment liability insurance. An

example certificate of insurance and the endorsement for liability coverage is included as Attachment 7.1.

7.2 Financial Assurance

RCRA and UIC Closure Cost estimates are reviewed when the facility adds or removes units. The latest closure plan can be found in Attachment 7.2. TMDP has established a Surety Bond to provide financial responsibility for facility closure. See Attachment 7.3 for the facility's current financial assurance documentation.

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TABLE 2.1
PERMIT TABLE

PERMIT NAME	PERMIT NUMBER	EXP. DATE	AUTHORITY
UIC Deepwell (Active)	WDW-169	8/4/2031	TCEQ
UIC Deepwell (Active)	WDW-249	8/4/2031	TCEQ
UIC Deepwell (Active)	WDW-422	8/4/2031	TCEQ
Industrial & Hazardous Waste (RCRA)	50058	7/23/2024[1]	TCEQ
State Facility Registration	32299	----------	TCEQ
RCRA ID Number	TXD000719518	----------	US EPA Region 6
LDR No Migration Exemption	----------	12/31/2030	US EPA Region 6
Standard Air Permit-Thermal Oxidizer	49822	11/18/2031	TCEQ
Storm Water	TXR05FH91	8/14/2026	TCEQ
Shipper Registration	061820550360CE	6/30/2026	US DOT
Scale License	0624732	6/30/2024	TDA
Public Water System Registration	1012699	----------	TCEQ
Water Well 5106	WP2023-117136	1/31/2025	Harris-Galveston Subsidence District

NOTE: The following information is offered as verification of permit authority and may not include permit details. Complete permit files may be reviewed in our office.

[1] Renewal application submitted to the TCEQ on February 22, 2024; is currently undergoing administrative review.

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ATTACHMENTS

Attachment 2.1	Permit Cover Sheets
Attachment 4.1	Annual Mechanical Integrity Report Approvals
Attachment 4.2	Inbound Transporter Qualification Form
Attachment 5.1	Waste Analysis Plan
Attachment 5.2	Waste Profile Document and Land Disposal Restriction Notification
Attachment 5.3	Offsite Facilities
Attachment 6.1	Experience Moderator Rate
Attachment 6.2	OSHA 300A Logs
Attachment 6.3	Regulatory Investigations
Attachment 7.1	Insurance Documents
Attachment 7.2	Closure Plan
Attachment 7.3	Financial Assurance

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ATTACHMENT 2.1
PERMIT COVER SHEETS

Permit No. WDW169

This permit supersedes and replaces Permit No. WDW169 issued May 28, 2009.

Texas Commission on Environmental Quality

Austin, Texas

Permit to Conduct
Class I Underground Injection
Under Provisions of Texas Water Code
Chapter 27 and Texas Health and Safety
Code Chapter 361

I. Permittee

TM Deer Park Services LLC
P.O. Box 1914
Deer Park, Texas 77536

II. Type of Permit

Initial_____ Renewal__X__ Amended__X__
Commercial__X__ Noncommercial__X__
Hazardous__X__ Nonhazardous__X__
Onsite __X__ Offsite__X__
Authorizing Disposal of Waste from Captured Facility_____
Authorizing Disposal of Waste from Off-site Facilities Owned by Owner/Operator_____

CONTINUED on Pages 2 through 6

The permittee is authorized to conduct injection in accordance with limitations, requirements, and other conditions set forth herein. This permit is granted subject to the rules and orders of the Commission, and the laws of the State of Texas. The permit will be in effect for ten years from the date of approval or until amended or revoked by the Commission. If this permit is appealed and the permittee does not commence any action authorized by this permit during judicial review, the term will not begin until judicial review is concluded.

DATE ISSUED: August 4, 2021

For the Commission

Permit No. WDW249

This permit supersedes
and replaces Permit
No. WDW249 issued
May 28, 2009.

Texas Commission on Environmental Quality

Austin, Texas

Permit to Conduct
Class I Underground Injection
Under Provisions of Texas Water Code
Chapter 27 and Texas Health and Safety
Code Chapter 361

I. Permittee

TM Deer Park Services LLC
P.O. Box 1914
Deer Park, Texas 77536

II. Type of Permit

Initial_____ Renewal__X__ Amended__X__
Commercial__X__ Noncommercial__X__
Hazardous__X__ Nonhazardous__X__
Onsite __X__ Offsite__X__
Authorizing Disposal of Waste from Captured Facility_____
Authorizing Disposal of Waste from Off-site Facilities Owned by Owner/Operator_____

CONTINUED on Pages 2 through 6

The permittee is authorized to conduct injection in accordance with limitations, requirements, and other conditions set forth herein. This permit is granted subject to the rules and orders of the Commission, and the laws of the State of Texas. The permit will be in effect for ten years from the date of approval or until amended or revoked by the Commission. If this permit is appealed and the permittee does not commence any action authorized by this permit during judicial review, the term will not begin until judicial review is concluded.

DATE ISSUED: August 4, 2021

For the Commission

Permit No. WDW422

This permit supersedes and replaces Permit No. WD422 issued May 28, 2009.

Texas Commission on Environmental Quality

Austin, Texas

Permit to Conduct
Class I Underground Injection
Under Provisions of Texas Water Code
Chapter 27 and Texas Health and Safety
Code Chapter 361

I. Permittee

TM Deer Park Services LLC
P.O. Box 1914
Deer Park, Texas 77536

II. Type of Permit

Initial_____ Renewal__X__ Amended__X__
Commercial__X__ Noncommercial__X__
Hazardous__X__ Nonhazardous__X__
Onsite __X__ Offsite__X__
Authorizing Disposal of Waste from Captured Facility_____
Authorizing Disposal of Waste from Off-site Facilities Owned by Owner/Operator_____

CONTINUED on Pages 2 through 6

The permittee is authorized to conduct injection in accordance with limitations, requirements, and other conditions set forth herein. This permit is granted subject to the rules and orders of the Commission, and the laws of the State of Texas. The permit will be in effect for ten years from the date of approval or until amended or revoked by the Commission. If this permit is appealed and the permittee does not commence any action authorized by this permit during judicial review, the term will not begin until judicial review is concluded.

DATE ISSUED: August 4, 2021

For the Commission

Hazardous Waste Permit No. 50058
EPA ID. No. TX000719518
ISWR No. 32299

This permit supersedes and replaces
Hazardous Waste Permit No. 50058
Issued May 23, 2003

Texas Commission on Environmental Quality
Austin, Texas

Permit for Industrial Solid Waste Management Site issued under provisions of Texas Health and Safety Code ANN. Chapter 361 and Chapter 26 of the Texas Water Code

Name of Permittee: TM Deer Park Services Limited Partnership
2525 Independence Parkway South
Deer Park, Texas 77536

Site Owner: TM Deer Park Services Limited Partnership
2525 Independence Parkway South
Deer Park, Texas 77536

Registered Agent for Service: N/A

Classification of Site: Hazardous and Nonhazardous Class 1 and Class 2 industrial solid waste on-site/off-site storage, processing, and disposal, commercial facility.

The permittee is authorized to manage wastes in accordance with the limitations, requirements, and other conditions set forth herein. This permit is granted subject to the rules of the Commission and other Orders of the Commission, and laws of the State of Texas. This permit does not exempt the permittee from compliance with the Texas Clean Air Act. This permit will be valid until canceled, amended, modified or revoked by the Commission, except that the authorization to store, process and dispose of wastes shall expire midnight, ten (10) years after the date of renewal permit approval. This permit was originally issued on August 27, 1992. This permit was renewed on May 23. 2003.

All provisions in this permit stem from State and/or Federal authority. Those provisions marked with an asterisk (*) stem from Federal authority and will implement the applicable requirements of HSWA for which the Texas Commission on Environmental Quality has not been authorized. Those provisions marked with a double asterisk (**) stem from federal authority only.

Issued Date: July 23, 2014

For the Commission

Central Registry

Detail of: Industrial and Hazardous Waste Solid Waste Registration 32299

For: TM DEER PARK SERVICES (RN100209568)
2525 INDEPENDENCE RD, DEER PARK

Solid Waste Registration Status: ACTIVE

Held by: TM MOLECULAR LIMITED PARTNERSHIP (CN603919184)
OWNER Since 04/23/2004 View Compliance History

Mailing Address: Not on file

TM DEER PARK SERVICES LIMITED PARTNERSHIP (CN601421829)
OWNER OPERATOR Since 03/21/2002 View Compliance History

Mailing Address: PO BOX 1914 DEER PARK, TX 77536-1914

Facility Information

Registration Number: 32299
Status: Active
Site Name: TM DEER PARK SERVICES
Company Name:
Site Street Address: 2525 BATTLEGROUND RD, DEER PARK, TX, 77536
Site Location: 2525 Battleground Rd, Deer Park, TX
County: HARRIS
EPA Number: TXD000719518
Hazardous Waste Permit: 50058
Registration Type: Generator and Receiver
Generator Type: Industrial
SIC Code:
NAICS Code:

View Annual Waste Summary (2010) (2009) (2008)			
View Waste Receipt Report	Year	Month	View
View Waste Management Units		View Waste	

☑ E.P.A. Identification

Disposal Systems, Inc.

EPA

ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act *(RCRA)*. Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER → TXD000719518

Disposal Systems Inc.
P.O. Box 1914
Deer Park, Texas 77536

INSTALLATION ADDRESS → 2525 Battleground Road
Deer Park, Texas

EPA Form 8700-12A (4-80)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS TX 75202-2733

DEC 13 2017

CERTIFIED MAIL 7014 0150 0000 2452 5424 RETURN RECEIPT REQUESTED

Ms. Christina Perez
EHS Manager
TM Deer Park Services Limited Partnership
Deer Park Site
P.O. Box 1914
Deer Park, TX 77536-1914

RE: TM Deer Park Services (TMDPS) Limited Partnership
Petition Reissuance Final Approval Decision for WDW-169 and WDW-249

Dear Ms. Perez:

The land disposal restrictions prohibit the injection of hazardous waste unless a petitioner can demonstrate to EPA, to a reasonable degree of certainty, that there will be no migration of hazardous constituents from the injection zone for as long as the wastes remain hazardous. The land disposal restrictions for injection wells codified in 40 CFR Part 148 provide the standards and procedures by which petitions to dispose of an otherwise prohibited waste by injection will be reviewed and by which exemptions pursuant to these petitions will be granted or denied. Part 148 also provides for the reissuance of an exemption if the reissuance complies with the above-mentioned standards.

A letter dated September 29, 2017, informed TMDPS that EPA was proposing to approve its petition reissuance request for an exemption to the land disposal restrictions. The public comment period associated with this decision began on October 11, 2017, and closed on November 27, 2017, and no comments were received.

Based on a detailed technical review of the petition reissuance request and support documents, EPA has determined that this information for the TMDPS site meets the requirements of 40 CFR Part 148 by demonstrating that, to a reasonable degree of certainty, there will be no migration of hazardous constituents from the injection zone for 10,000 years.

The following are conditions of this land disposal restrictions exemption reissuance.

Petition Reissuance Final Approval Conditions

This final approval of a petition for reissuance of an exemption to allow the injection of restricted hazardous wastes is subject to the following conditions, which are necessary to assure that the standard in 40 CFR §148.20(a) is met. Noncompliance with any of these conditions is grounds for termination of the exemption in accordance with 40 CFR §148.24(a)(1). This exemption is applicable to the TMDPS injection wells WDW-169 and WDW-249, located at the Deer Park site in Deer Park, Texas.

1. Injection of restricted waste shall be limited to the following injection zone:

Well	Depth of Injection Zone
WDW-169	4231' - 7368'[1]
WDW-249	4250' - 7380'[2]

([1]WDW-169 Injection Zone and Injection Intervals depths are referenced to Kelly Bushing (KB) depths (13.4' above ground level) on WDW-169's Dresser Atlas Dual Induction Focused Log BHC Acoustilog Gamma Ray log dated 6/27/86)
([2]WDW-249 Injection Zone and Injection Intervals depths are referenced to Kelly Bushing (KB) depths (26.5' above ground level) on WDW-249's Schlumberger Phasor Induction-SFL Density-Neutron Gamma Ray log dated 12/30/92 and 1/12/93)

The injection interval shall be defined by the following correlative log depths:

Well	Injection Intervals	Depth of Injection Interval
WDW-169	Upper and Middle Frio Sands	5531' - 6670'[1]
	Lower Frio Sand	6866' - 7368'[1]
WDW-249	Upper and Middle Frio Sands	5550' - 6700'[2]
	Lower Frio Sand	6880' - 7380'[2]

([1]WDW-169 Injection Zone and Injection Intervals depths are referenced to Kelly Bushing (KB) depths (13.4' above ground level) on WDW-169's Dresser Atlas Dual Induction Focused Log BHC Acoustilog Gamma Ray log dated 6/27/86)
([2]WDW-249 Injection Zone and Injection Intervals depths are referenced to Kelly Bushing (KB) depths (26.5' above ground level) on WDW-249's Schlumberger Phasor Induction-SFL Density-Neutron Gamma Ray log dated 12/30/92 and 1/12/93)

2. For WDW-169 and WDW-249, the cumulative monthly volume injected into each of the injection intervals shall not exceed that calculated as follows:

Upper and Middle Frio Sands: (175 gpm)(1440 minutes/day)(number of days in that month)[1]
Lower Frio Sand: (450 gpm)(1440 minutes/day)(number of days in that month)

([1]The Upper and Middle Frio Sands are limited to a 2 year operational life and may not be used as a TMDPS injection interval if they are in use as an injection interval by the offset Vopak facility)

3. The facility shall cease injection into WDW-169 and WDW-249 by December 31, 2030. Additionally, the Upper and Middle Frio Sands injection interval is limited to a 2 year total operational life and may not be used by TMDPS as an injection interval when the interval is in use as an active injection interval by the offset Vopak facility.

4. The facility shall also cease injection into the Upper and Middle Frio Sands injection interval when a cumulative injection volume limit of 183,960,000 gallons is reached.

5. The characteristics of the injected waste stream shall at all times conform to those discussed in Sections 3.5 through 3.5.5.3 of the 2007 Petition Reissuance document. The density of the waste

stream injected into each interval shall remain within the range of 0.950 g/cm^3 to 1.250 g/cm^3 measured at 68^{0}F and 1 atmosphere equivalent to a specific gravity range of 0.950 to 1.250 measured at 68^{0}F and 1 atmosphere with a reference temperature of 4^{0}C.

For the purpose of the above calculation, each day's density or specific gravity value shall be obtained by at least one representative grab sample for each active injection interval.

6. The approval for injection is limited to the following hazardous wastes:

D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011, D012, D013, D014, D015, D016, D017, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043

F001, F002, F003, F004, F005, F006, F007, F008, F009, F010, F011, F012, F019, F020, F021, F022, F023, F024, F025, F026, F027, F028, F032, F034, F035, F037, F038, F039 (for constituents listed in Table 3-5.1-I)

K001, K002, K003, K004, K005, K006, K007, K008, K009, K010, K011, K013, K014, K015, K016, K017, K018, K019, K020, K021, K022, K023, K024, K025, K026, K027, K028, K029, K030, K031, K032, K033, K034, K035, K036, K037, K038, K039, K040, K041, K042, K043, K044, K045, K046, K047, K048, K049, K050, K051, K052, K060, K061, K062, K069, K071, K073, K083, K084, K085, K086, K087, K088, K093, K094, K095, K096, K097, K098, K099, K100, K101, K102, K103, K104, K105, K106, K107, K108, K109, K110, K111, K112, K113, K114, K115, K116, K117, K118, K123, K124, K125, K126, K131, K132, K136, K141, K142, K143, K144, K145, K147, K148, K149, K150, K151, K156, K157, K158, K159, K161, K169, K170, K171, K172, K174, K175, K176, K177, K178, K181

P001, P002, P003, P004, P005, P006, P007, P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P020, P021, P022, P023, P024, P026, P027, P028, P029, P030, P031, P033, P034, P036, P037, P038, P039, P040, P041, P042, P043, P044, P045, P046, P047, P048, P049, P050, P051, P054, P056, P057, P058, P059, P060, P062, P063, P064, P065, P066, P067, P068, P069, P070, P071, P072, P073, P074, P075, P076, P077, P078, P081, P082, P084, P085, P087, P088, P089, P092, P093, P094, P095, P096, P097, P098, P099, P101, P102, P103, P104, P105, P106, P108, P109, P110, P111, P112, P113, P114, P115, P116, P118, P119, P120, P121, P122, P123, P127, P128, P185, P188, P189, P190, P191, P192, P194, P196, P197, P198, P199, P201, P202, P203, P204, P205

U001, U002, U003, U004, U005, U006, U007, U008, U009, U010, U011, U012, U014, U015, U016, U017, U018, U019, U020, U021, U022, U023, U024, U025, U026, U027, U028, U029, U030, U031, U032, U033, U034, U035, U036, U037, U038, U039, U041, U042, U043, U044, U045, U046, U047, U048, U049, U050, U051, U052, U053, U055, U056, U057, U058, U059, U060, U061, U062, U063, U064, U066, U067, U068, U069, U070, U071, U072, U073, U074, U075, U076, U077, U078, U079, U080, U081, U082, U083, U084, U085, U086, U087, U088, U089, U090, U091, U092, U093, U094, U095, U096, U097, U098, U099, U101, U102, U103, U105, U106, U107, U108, U109, U110, U111, U112, U113, U114, U115, U116, U117, U118, U119, U120, U121, U122, U123,

U124, U125, U126, U127, U128, U129, U130, U131, U132, U133, U134, U135, U136, U137, U138, U140, U141, U142, U143, U144, U145, U146, U147, U148, U149, U150, U151, U152, U153, U154, U155, U156, U157, U158, U159, U160, U161, U162, U163, U164, U165, U166, U167, U168, U169, U170, U171, U172, U173, U174, U176, U177, U178, U179, U180, U181, U182, U183, U184, U185, U186, U187, U188, U189, U190, U191, U192, U193, U194, U196, U197, U200, U201, U203, U204, U205, U206, U207, U208, U209, U210, U211, U213, U214, U215, U216, U217, U218, U219, U220, U221, U222, U223, U225, U226, U227, U228, U234, U235, U236, U237, U238, U239, U240, U243, U244, U246, U247, U248, U249, U271, U278, U279, U280, U328, U353, U359, U364, U367, U372, U373, U387, U389, U394, U395, U404, U409, U410, U411

7. The facility must petition for approval to inject additional hazardous wastes which are not included in Condition No. 6, above. The facility must also petition for approval to increase the concentration of any waste which would necessitate the recalculation of the limiting concentration reduction factor and the extent of the waste plume. Petition reissuances and modifications should be made pursuant to §148.20 (e) or (f).

8. TMDPS shall annually submit to EPA the results of a bottomhole pressure survey for WDW-169 and WDW-249. This survey shall be performed after shutting in each well for a period of time sufficient to allow the pressure in the injection interval to reach equilibrium, in accordance with 40 CFR §146.68(e)(1). The annual report should include a comparison of reservoir parameters determined from the falloff test with parameters used in the approved no migration petition. This should include a comparison of the current year's test results for the static and flowing bottomhole pressures with the values demonstrated in the approved petition reissuance and a comparison of the test results for transmissibility [Kh/μ (mD-ft/cP)] with the transmissibilities used in the approved petition reissuance demonstration for the pressure buildup and 10,000 year plume modeling.

9. TMDPS shall also annually submit to EPA a radioactive tracer survey and annulus pressure test for WDW-169 and WDW-249.

10. TMDPS shall notify EPA in the event that WDW-169 or WDW-249 loses mechanical integrity, prior to any well work on WDW-169 or WDW-249, or if TMDPS plans to plug WDW-169 or WDW-249. If any well work or plugging is being planned, TMDPS shall also submit the procedures to EPA for review prior to commencing any work.

11. Upon the expiration, cancellation, reissuance, or modifications of the Texas Commission on Environmental Quality Underground Injection Control permit for WDW-169 or WDW-249, this exemption is subject to review. A new demonstration may be required if information shows that the basis for granting the exemption is no longer valid under 40 CFR §148.23 and §148.24.

In addition to the above conditions, this final approval of a petition for reissuance of an exemption is contingent on the validity of the information submitted in the TMDPS petition reissuance request for an exemption to the land disposal restrictions. This final reissuance decision is subject to termination when any of the conditions occur which are listed in 40 CFR §148.24, including noncompliance, misrepresentation of relevant facts, or a determination that new information shows that the basis for approval is no longer valid.

If you have any questions or comments, please call Brian Graves at (214) 665-7193 or email him at graves.brian@epa.gov.

Sincerely yours,

for William K. Honker, P.E.
Director
Water Division

ecc: Mr. Frank Harris, TMDPS
Ms. Lorrie Council, TCEQ
Mr. Richard Heitzenrater, TCEQ Region 14

RECEIVED AUG 29 2019

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1201 ELM STREET, SUITE 500
DALLAS, TX 75270

FILE COPY
B-III.3

August 15, 2019

CERTIFIED MAIL 7007 3020 0000 1523 1335 RETURN RECEIPT REQUESTED

Ms. Christina Perez
EHS Manager
TM Deer Park Services Limited Partnership
Deer Park Site
P.O. Box 1914
Deer Park, TX 77536-1914

RE: TM Deer Park Services (TMDPS) Limited Partnership
Petition Reissuance Approval Decision to add WDW-422

Dear Ms. Perez:

The land disposal restrictions prohibit the injection of hazardous waste unless a petitioner can demonstrate to EPA, to a reasonable degree of certainty, that there will be no migration of hazardous constituents from the injection zone for as long as the wastes remain hazardous. The land disposal restrictions for injection wells codified in 40 CFR Part 148 provide the standards and procedures by which petitions to dispose of an otherwise prohibited waste by injection will be reviewed and by which exemptions pursuant to these petitions will be granted or denied. Part 148 also provides for the reissuance of an exemption if the reissuance complies with the above-mentioned standards.

A letter dated May 29, 2019, informed TMDPS that EPA was proposing to approve its petition reissuance request for an exemption to the land disposal restrictions. The public comment period associated with this decision began on June 19, 2019, and closed on August 12, 2019, and no comments were received.

Based on a detailed technical review of the petition reissuance request and support documents, EPA has determined that this information for the TMDPS site meets the requirements of 40 CFR Part 148 by demonstrating that, to a reasonable degree of certainty, there will be no migration of hazardous constituents from the injection zone for 10,000 years.

The following are conditions of this land disposal restrictions exemption.

Petition Reissuance Approval Conditions

This approval of a petition for reissuance of an exemption to allow the injection of restricted hazardous wastes is subject to the following conditions, which are necessary to assure that the standard in 40 CFR §148.20(a) is met. Noncompliance with any of these conditions is grounds for termination of the exemption in accordance with 40 CFR §148.24(a)(1). This exemption is applicable to the TMDPS injection wells: WDW-169, WDW-249, and WDW-422, located at its Deer Park, TX facility.

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on Recycled Paper (Minimum 50% Postconsumer content)

1. Injection of restricted waste shall be limited to the following injection zone and intervals:

Well	Depth of Injection Zone	Injection Interval	Depth of Injection Interval
WDW-169	4231' - 7368'[1]	Upper and Middle Frio Sands	5531' - 6670'[1]
		Lower Frio Sand	6866' - 7368'[1]
WDW-249	4250' - 7380'[2]	Upper and Middle Frio Sands	5550' - 6700'[2]
		Lower Frio Sand	6880' - 7380'[2]
WDW-422	4250' - 7380'[3]	Lower Frio Sand	6880' - 7380'[3]

([1]WDW-169 depths are referenced to Kelly Bushing (KB) depths (13.4' above ground level) on WDW-169's Dresser Atlas Dual Induction Focused Log BHC Acoustilog Gamma Ray log dated 6/27/86)
([2]WDW-249 depths are referenced to Kelly Bushing (KB) depths (26.5' above ground level) on WDW-249's Schlumberger Phase Induction-SFL Density Neutron Gamma Ray log dated 12/30/92 and 1/12/93)
([3]WDW-422 depths are referenced to Kelly Bushing (KB) depths (19' above ground level) on WDW-422's Halliburton Array Induction Spectral Density Dual Spaced Neutron Gamma Ray Log dated 4/2/18)

2. For WDW-169, WDW-249, and WDW-422, the combined cumulative monthly volume injected into the injection intervals shall not exceed that calculated as follows:

Upper and Middle Frio Sands: (175 gpm)(1440 minutes/day)(number of days in that month)[1]
Lower Frio Sand: (450 gpm)(1440 minutes/day)(number of days in that month)

([1]The Upper and Middle Frio Sands are limited to a 2 year operational life and may not be used by TMDPS as an injection interval if they are in use as an injection interval by the offset Vopak facility. The 2017 reissuance demonstration remains in place for this reissuance, so this injection interval pertains only to WDW-169 and WDW-249)

3. The facility shall cease injection into WDW-169, WDW-249, and WDW-422 by December 31, 2030. Additionally, the Upper and Middle Frio Sands injection interval is limited to a 2 year total operational life and may not be used by TMDPS as an injection interval when the interval is in use an active injection interval by the offset Vopak facility.

4. The facility shall also cease injection into the Upper and Middle Frio Sands injection interval when a cumulative injection volume limit of 183,960,000 gallons is reached.

5. The characteristics of the injected waste stream shall for WDW-169, WDW-249, and WDW-422 shall at all times conform to those discussed in Sections 3.5 through 3.5.5.3 of the 2017 Petition Reissuance document for WDW-169 and WDW-249. The density of the waste stream injected into each interval shall remain within the range of 0.950 g/cm^3 to 1.250 g/cm^3 measured at 68^{0}F and 1 atmosphere and equivalent to a specific gravity range of 0.950 to 1.250 measured at 68^{0}F and 1 atmosphere with a reference temperature of 4^{0}C.

6. This approval for injection is limited to the following hazardous wastes:

D001-D043; F001-F012; F019-F028; F032, F034, F035, F037-F039 (for constituents listed in Table 3-5.1-I of the 2017 Petition Reissuance Document); K001-K011; K013-K052; K060-K062; K069, K071, K073, K083-K088; K093-K118; K123-K126; K131, K132, K136, K141-K145; K147-K151; K156-K159; K161, K169-K172; K174-K178; K181, P001-P018; P020-P024; P026-P031; P033, P034, P036-P051; P054, P056-P060; P062-P078; P081, P082, P084, P085, P087-P089; P092-P099; P101-P106; P108-P116; P118-P123; P127, P128, P185, P188-P192; P194, P196-P199; P201-P205; U001-U012; U014-U039; U041-U053; U055-U064; U066-U099; U101-U103; U105-U138; U140-U174; U176-U194; U196, U197, U200, U201, U203-U211; U213-U223; U225-U228; U234-U240; U243, U244, U246-U249; U271, U278-U280; U328, U353, U359, U364, U367, U372, U373, U387, U389, U394, U395, U404, U409-U411.

7. The facility must petition for approval to inject additional hazardous wastes which are not included in Condition No. 6, above. The facility must also petition for approval to increase the concentration of any waste which would necessitate the recalculation of the limiting concentration reduction factor and the extent of the waste plume. Petition reissuances and modifications should be made pursuant to 40 CFR §148.20 (e) or (f).

8. TMDPS shall annually submit to EPA the results of a bottomhole pressure survey for WDW-169, WDW-249, and WDW-422. These surveys shall be performed after shutting in each well for a period sufficient to allow the pressure in the injection interval to reach equilibrium, in accordance with 40 CFR §146.68(e)(1). The annual report should include a comparison of reservoir parameters determined from the falloff test with parameters used in the approved no migration petition reissuance. This should include a comparison of the current year's test results for the static and flowing bottomhole pressures with the values demonstrated in the approved petition reissuance and a comparison of the test results for transmissibility [Kh/μ (mD-ft/cP)] with the transmissibilities used in the approved petition reissuance demonstration for the pressure buildup and 10,000 year plume modeling.

9. TMDPS shall also annually submit to EPA a radioactive tracer survey and annulus pressure test for WDW-169, WDW-249, and WDW-422.

10. TMDPS shall notify EPA if WDW-169, WDW-249, or WDW-422 loses mechanical integrity, prior to any well work on WDW-169, WDW-249, or WDW-422, or if TMDPS plans to plug WDW-169, WDW-249, or WDW-422. If any well work or plugging is being planned, TMDPS shall also submit the procedures to EPA for review prior to commencing any work.

11. Upon the expiration, cancellation, reissuance, or modifications of the Texas Commission on Environmental Quality Underground Injection Control permit for WDW-169, WDW-249, or WDW-422, this exemption is subject to review. A new demonstration may be required if information shows that the basis for granting the exemption is no longer valid under 40 CFR §148.23 and §148.24.

In addition to the above conditions, this approval of a petition for reissuance of an exemption is contingent on the validity of the information submitted in the TMDPS petition reissuance request for an exemption to the land disposal restrictions. This reissuance decision is subject to termination when any of the conditions occur which are listed in 40 CFR §148.24, including noncompliance, misrepresentation of relevant facts, or a determination that new information shows that the basis for approval is no longer valid.

If you have any questions or comments, please call Brian Graves at (214) 665-7193 or email him at graves.brian@epa.gov.

Sincerely,

Charles W. Maguire
Director
Water Division

ecc: Mr. Frank Harris, TMDPS
Ms. Lorrie Council, TCEQ
Mr. Richard Heitzenrater, TCEQ Region 14

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 18, 2021

MRS CHRISTINA PEREZ
DIRECTOR - EHS
TM DEER PARK SERVICES LLC
PO BOX 1914
DEER PARK TX 77536-1914

Re: Pollution Control Projects Air Quality Standard Permit Renewal
(Effective 2/9/2011)
Standard Permit Registration Number: 49822
Standard Permit Expiration Date: November 18, 2031
Tm Deer Park Services LLC
Tm Deer Park Services
Affected Waste Permit: 50058
Deer Park, Harris County
Regulated Entity Number: RN100209568
Customer Reference Number: CN605764109

Dear Mrs. Perez:

This is in response to your Form PI-1S (Air Quality Standard Permit for Pollution Control Projects) regarding the proposed renewal of Standard Permit 49822. After evaluation of the information you submitted, the Texas Commission on Environmental Quality (TCEQ) has renewed this standard permit pursuant to Title 30 Texas Administrative Code § 116.604(4) (30 TAC § 116.604(4)) if constructed and operated as represented in your registration.

This standard permit was issued under the Texas Clean Air Act (TCAA) § 382.011, which authorizes the commission to control the quality of the state's air; TCAA § 381.023, which authorizes the commission to issue orders necessary to carry out the policy and purposes of the TCAA; and § 382.05195, which authorizes the commission to issue standard permits. Authorized emissions are listed on the attached table.

You are reminded that 30 TAC § 116.615 requires that any construction or change authorized by this standard permit be administratively incorporated into the affected facilities' permit(s) at the next amendment or renewal.

You are also reminded that these facilities must comply with all rules and regulations of the TCEQ and of the U.S. Environmental Protection Agency at all times.

If you need further information or have any questions, please contact Mr. John Ma at (512) 239-4686 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

Kristyn Campbell

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Texas Pollutant Discharge Elimination System
Stormwater Multi-Sector General Permit

The Notice of Intent (NOI) for the facility listed below was received on November 12, 2021. The intent to discharge stormwater associated with industrial activity under the terms and conditions imposed by the Texas Pollutant Discharge Elimination System (TPDES) stormwater Multi-Sector General Permit (MSGP) TXR050000 is acknowledged. Your facility's unique TPDES MSGP stormwater authorization number is:

TXR05FH91

Coverage Effective: November 12, 2021
Sector: K Primary SIC code: 4953

TCEQ's stormwater MSGP requires certain stormwater pollution prevention and control measures, possible monitoring and reporting, and periodic inspections. Among the conditions and requirements of this permit, you must have prepared and implemented a stormwater pollution prevention plan (SWP3) that is tailored to your industrial site. As a facility authorized to discharge under the stormwater MSGP, all terms and conditions must be complied with to maintain coverage and avoid possible penalties.

Facility/Site Information:
RN100209568
Tm Deer Park Services
2525 Independence Pkwy S
La Porte, TX 77571
Harris County

Operator:
CN605764109
Tm Deer Park Services LLC
PO BOX 1914
Deer Park, TX 77536

The MSGP and all authorizations expire on August 14, 2026, unless otherwise amended. If you have any questions related to your application, you may contact the Stormwater Processing Center by email at SWPERMIT@tceq.texas.gov or by telephone at (512) 239-3700. For technical issues, you may contact the stormwater technical staff by email at SWGP@tceq.texas.gov or by telephone at (512) 239-4671. Also, you may obtain information on the TCEQ web site at https://www.tceq.texas.gov/goto/wq-dpa. A copy of this document should be kept with your SWP3.

Issued Date: November 12, 2021

FOR THE COMMISSION

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION

HAZARDOUS MATERIALS CERTIFICATE OF REGISTRATION FOR REGISTRATION YEAR(S) 2023-2026

Registrant: TM DEER PARK SERVICES LIMITED PARTNERSHIP
ATTN: Christina Perez
PO BOX 1914
DEER PARK, TX 77536

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

Reg. No: 062923600004FH Effective: July 1, 2023 Expires: June 30, 2026

HM Company ID: 195036

Record Keeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

(1) A copy of the registration statement filed with PHMSA; and

(2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, PHH-52, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, DC 20590, telephone (202) 366-4109.

5515146100025030 4

TEXAS DEPARTMENT OF AGRICULTURE
COMMISSIONER SID MILLER

P. O. BOX 12847 AUSTIN, TX 78711-2847
(877) LIC-AGRI (877-542-2474)
For the hearing impaired: (800) 735-2989 TDD (800) 735-2988 VOICE
www.TexasAgriculture.gov

This is to certify that the person listed below has registered the indicated weighing or measuring devices in accordance with Texas Agriculture Code Chapter 13.

TM DEER PARK SERVICES LLC
2525 INDEPENDENCE PKWY S
DEER PARK TX 77536

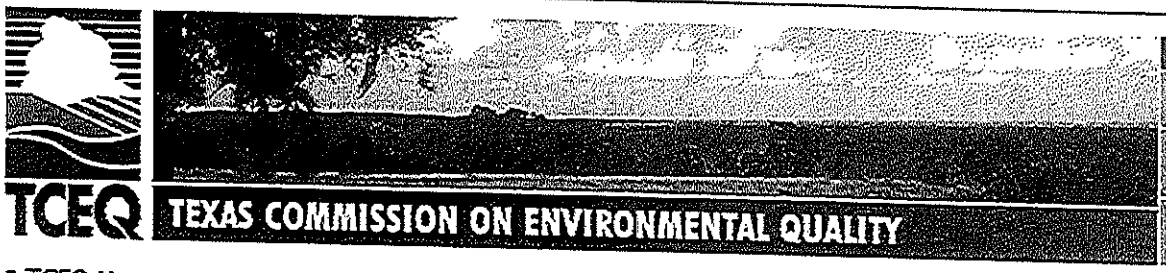
Client Name: TM DEER PARK SERVICES LLC
TDA Client No: 00474674

CERTIFICATE NO: 0624732
Effective Date: June 30, 2023

CERTIFICATE TYPE: DEVICES
Expiration Date: June 30, 2024

THIS DOCUMENT IS PROVIDED FOR YOUR RECORDS

Device Name	Device Quantity
TRUCK SCALE	1



Public Water Systems Details/Data Sheet for TEXAS MOLECULAR (1012699)

Affiliations | Site Visits | Documents | Violations | Sources | Sold Source | Entry Points | Plants

Responsible Party

Organization: TM DEER PARK SERVICES LIMITED PARTNERSHI
Address: PO BOX 1914
DEER PARK, TX 77536-1914
Individual: CASEY BOROWSKI

Occurences were successfully retrieved.

Customers

Reference Number	Name	Role
CN601421829	TM DEER PARK SERVICES LIMITED PARTNERSHIP	RESPONSIBLE PARTY
CN600792089	TM TECHNICAL SERVICES LLC	OWNER OPERATOR
CN601177165	DISPOSAL SYSTEMS INC	OWNER

Harris-Galveston Subsidence District

1660 West Bay Area Blvd. - Friendswood, TX 77546
www.hgsubsidence.org
281-486-1105

WATER WELL PERMIT

January 08, 2024

I. PERMITTEE:
TM Deer Park Services LLC
ATTN: Christina Perez
P.O. Box 1914
Deer Park, TX 77536

PERMIT NO.: WP2023-117136

II. LOCATION OF WELL:

LATITUDE: 29.73666600

LONGITUDE: -95.09222200

III. WELL NO.: 5106 Well Owner: TM Deer Park Services LLC

The authorized withdrawal below is the TOTAL COMBINED amount that may be withdrawn from the following wells:

5106

IV. PERMIT TERM: February 01, 2024 **THROUGH** January 31, 2025

V. AUTHORIZED WITHDRAWAL:

Only that which is required without being wasteful during the permit term, but not to exceed 2.20 million gallons (combined total for all wells listed above).

Any pumpage in excess of the amount authorized in this permit is a violation of the District's rules. Applications for an amendment to increase authorized withdrawal must be submitted prior to exceeding the permitted amount.

VI. SPECIAL PROVISIONS:

8

SUBJECT TO CONDITIONS AND REQUIREMENT ON ATTACHED PAGE
APPROVED THIS 13 DAY OF December 2023
Harris-Galveston Subsidence District

BY:

General Manager

PERMIT NO.: WP2023-117136

SPECIAL PROVISIONS FOR PERMIT

PROV-8 This permit is issued based on the permitted allocation or 10% of total demand, whichever is smaller.

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

ATTACHMENT 4.1
ANNUAL MECHANICAL INTEGRITY REPORT APPROVAL

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Erin E. Chancellor, *Interim Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 24, 2023

EMAIL RECEIPT REQUESTED

Ms. Christina Perez
EHS Director
TM Deer Park Services, LP
P.O. Box 1914
Deer Park, Texas 77536

Via Email

Re: Approval of 2023 Mechanical Integrity Testing and Reservoir Pressure Testing for:
TM Deer Park Services, LP, Deer Park (Harris County), Texas
Regulated Entity No.: 100209568; TCEQ ID Nos.: WDW-169 & WDW-249; Investigation Nos.: 1887289 & 1887290

Dear Ms. Perez:

This is to acknowledge receipt of the report entitled "2023 Annual Mechanical Integrity and Reservoir Pressure Testing of WDW-169 & WDW-249" prepared by Strata Technologies, LLC dated February 1, 2023. It has been determined from review of the MIT report, that mechanical integrity of these wells was confirmed, in accordance with 30 TAC § 331.43(a), by an annulus pressure test and a radioactive tracer survey conducted on WDW-169 on January 17, 2023 and an annulus pressure test and a radioactive tracer survey on WDW-249 on January 10, 2023. Please keep a copy of this letter with the waste disposal well records so that it may be available for review by TCEQ staff during investigations.

We also acknowledge receipt of the reservoir pressure testing report included with the MIT report. You may be contacted by our staff, or the U.S. Environmental Protection Agency Region 6, if there are any questions or comments on the static bottom hole pressure testing.

If you have any questions regarding this matter, please contact Ms. Elizabeth Murphey at the Corpus Christi Region Office at (361) 881-6900.

Sincerely,

Timothy C. Perdue, CHMM
Waste Section Manager
Corpus Christi Region Office

TCP/EM/

cc: Mr. Noel Bonilla, EPA Region 6, Ste. 500 - via email
Mr. Forrest Frederick, EPA Region 6, Ste. - via email
Ms. Kendra Bernhagen, Waste Section Team Leader, TCEQ - Region 12 - via email
Mr. Gary Rogers, Technical Manager, Strata Technologies, LLC - via email

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Kelly Keel, *Interim Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 22, 2023

EMAIL RECEIPT REQUESTED

Ms. Christina Perez
EHS Director
TM Deer Park Services, LP
P.O. Box 1914
Deer Park, Texas 77536

Via Email

Re: Approval of 2023 Mechanical Integrity Testing and Reservoir Pressure Testing for:
TM Deer Park Services, 2525 Independence Road, Deer Park (Harris County), Texas
Regulated Entity No.: 100209568; TCEQ ID No.: WDW-422; Investigation No.: 1922957

Dear Ms. Perez:

This is to acknowledge receipt of the report entitled "2023 Annual Mechanical Integrity and Reservoir Pressure Testing of WDW-422" prepared by Strata Technologies, LLC dated May 25, 2023. It has been determined from review of the MIT report, that mechanical integrity of these wells was confirmed, in accordance with 30 TAC § 331.43(a), by an annulus pressure test, radioactive tracer survey and a differential temperature survey conducted on WDW-422 on May 3, 2023. Please keep a copy of this letter with the waste disposal well records so that it may be available for review by TCEQ staff during investigations.

We also acknowledge receipt of the reservoir pressure testing report included with the MIT report. You may be contacted by our staff, or the U.S. Environmental Protection Agency Region 6, if there are any questions or comments on the static bottom hole pressure testing.

If you have any questions regarding this matter, please contact Ms. Elizabeth Murphey at the Corpus Christi Region Office at (361) 881-6900.

Sincerely,

Timothy C. Perdue, CHMM
Waste Section Manager
Corpus Christi Region Office

TCP/EM/mjd

cc: Mr. Noel Bonilla, EPA Region 6, Ste. 500 - via email
Mr. Forrest Frederick, EPA Region 6, Ste. - via email
Ms. Kendra Bernhagen, Waste Section Team Leader, TCEQ - Region 12 - via email
Mr. Mike Johnson, Technical Manager, Strata Technologies, LLC - via email

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

ATTACHMENT 4.2
INBOUND TRANSPORTER QUALIFICATION FORM

Clear Form

TM Deer Park Services LLC
Inbound Transporter Qualification Form

I. Requirements

A. Return form in Section II. Transporter Information; and

B. Submit the following to cperez@texasmolecular.com:

Insurance Requirements	
Type	**Minimum Limits of Liability**
Commercial General Liability	$ 1,000,000 - Each Occurrence
	$ 2,000,000 - General Aggregate
Automobile Liability	$ 1,000,000 - Combined Single Limit; **or** $ 5,000,000 - Combined Single Limit (if Excess/Umbrella is not met)
Excess/Umbrella Liability	$ 4,000,000 - Aggregate
Worker's Compensation & Employer's Liability	$ 1,000,000 - Each Accident
	$ 1,000,000 - Disease Policy Limit
Additional Special Provisions:	
1) Additional insured in favor of **Texas Molecular Holdings LLC, TM Deer Park Services LLC,** and **TM Chemicals LLC** (for General Liability and Automobile).	
2) Waiver of Subrogation in favor of **Texas Molecular Holdings LLC, TM Deer Park Services LLC,** and **TM Chemicals LLC** (for General Liability, Automobile, and Worker's Compensation).	
3) *Requested, but not required:* Alternative Employer Endorsement in favor of **Texas Molecular Holdings LLC, TMDeer Park Services LLC, and TM Chemicals LLC** (for Worker's Compensation).	

II. Transporter Information:

Company Name:	
DBA Name:	
Physical Address:	
Mailing Address:	
City, State, Zip:	
24-Hr/Dispatch Phone:	
Contact Name:	
Texas Solid Waste Registration No.: (required if hauling hazardous and/or Class 1 non-hazardous wastes)	
EPA Identification No.: (required if hauling hazardous waste)	

III. Approval (for TM use only)

Transporter Code Assigned: (required if hauling waste)	
Insurance Expires:	
Approved to Haul: (select all that apply)	☐ Hazardous ☐ Class 1 ☐ Class 2 ☐ Product
Approval/Date:	

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

ATTACHMENT 5.1
WASTE ANALYSIS PLAN

GSI Job No. 3769

GSI ENVIRONMENTAL

ATTACHMENT IV.1
WASTE ANALYSIS PLAN

RCRA Permit Renewal Application

RCRA Permit No. HW-50058-001
TM Deer Park Services Limited Partnership, Deer Park, Texas

ATTACHMENT IV.1
WASTE ANALYSIS PLAN

RCRA Permit Renewal Application

RCRA Permit No. HW-50058-001
TM Deer Park Services Limited Partnership, Deer Park, Texas

TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 Scope of WAP

This waste analysis plan (WAP) describes how TM Deer Park Services Limited Partnership (TMDPS) analyzes wastes to be managed in permitted hazardous waste management units. The plan addresses waste characterization for wastes received from off-site as well as wastes generated at TMDPS.

This WAP has been developed to comply with 40 CFR 264.13, as adopted by the TCEQ in 30 TAC 335.152(a)(1). The WAP is used to obtain information needed to treat, store, or dispose of wastes in accordance with applicable state and federal requirements and permit provisions. The WAP also addresses important safety considerations. Certain wastes when improperly mixed with others may produce hazardous situations through heat generation, fires, explosions, or release of toxic substances. For example, reactive materials may release toxic gases on acidification. Proper waste analysis, characterization, and handling allow for safe waste management and facility operations.

1.2 Facility Overview

TMDPS offers treatment, storage, and disposal services to generators of hazardous and non-hazardous waste and wastewaters. Disposal of aqueous waste via injection well is the only on-site disposal activity. Other wastes, either in bulk or containers (e.g., inorganic solids, organic solids, liquid organics, etc.), are consolidated, solidified or stabilized as appropriate and sent off-site to authorized facilities for further management or disposal.

TMDPS handles a wide variety of wastes that are liquid, semi-solid, or solid, as listed in Table IV.B of the RCRA permit application. TMDPS primarily manages wastes generated off-site, as follows:

- Acids and bases (pH 0-14);
- Pesticides;
- Metals;
- High chemical oxygen demand/total organic carbon (COD/TOC);
- EPA waste code D001 (Flammable);
- EPA waste code D002 (Corrosive);
- EPA waste code D003 (Cyanides and Sulfides); and
- Other EPA waste codes (see Tables IV.B and IV.B.1).

TMDPS is **not** authorized by the current RCRA permit to manage the following wastes:

- *Polychlorinated biphenyls (PCBs) ≥50 ppm*, as defined by the EPA in regulations issued pursuant to the Toxic Substances Control Act (40 CFR Part 761), unless TMDPS is compliant with the federal requirements for PCB storage specified in 40 CFR Part 761;
- *Radioactive wastes,* unless TMDPS becomes authorized to store, process and dispose of radioactive wastes in compliance with specific licensing and permitting

requirements under Chapter 401 of the Texas Health and Safety Code and any other rules of state or federal authorities;

- *Explosive material,* as defined by the Department of Transportation (DOT) under 40 CFR Part 173;
- *Municipal garbage;* or
- *Special Waste* from Health-care Related Facilities subject to 25 TAC Chapter 1 or 30 TAC Chapter 330.

1.3 WAP Organization

Sections 2.0 – 4.0 focus on wastes received from off-site generators. Section 5.0 describes wastes generated on site from facility operations.

2.0 OFF-SITE GENERATED WASTES

2.1 Waste Evaluation (Profiling) for New Waste Streams

The purpose of waste evaluation is to determine whether wastes are acceptable (i.e., allowable under the permit) and to ensure safe and proper handling practices are used during processing. This waste evaluation (profiling) process applies to new waste streams.

2.1.1 Pre-Acceptance Sample

If an inquiry from a potential client indicates the feasibility of managing a new waste, then the customer (i.e., generator or authorized agent) typically provides a pre-acceptance sample along with relevant paperwork to TMDPS.

The pre-acceptance sample is analyzed by the TMDPS on-site laboratory to confirm compliance with safety and regulatory requirements and to determine waste handling procedures. A pre-acceptance sample is typically required for all bulk streams. However, in some cases sufficient information is already available regarding the waste and/or the matrix of the waste such that no pre-acceptance sample is needed for analysis. In addition, a pre-acceptance sample may not be required for waste streams that will be shipped in small volumes, such as drums or totes.

Paperwork submitted by the customer along with the pre-acceptance sample includes, at a minimum, a waste profile (see Figure IV.1). For hazardous wastes, a Land Disposal Restriction (LDR; see Figure IV.2) Notification may also be submitted for review prior to approval. Note that the forms provided on Figures IV.1 and IV.2 are examples only and may be updated as needed in the future.

The waste profile form provides detailed information on the waste stream's chemical and physical properties, generating process, and state/EPA waste codes. On this form, the customer also certifies that the information is correct, complete, and accurate and that waste details are based on analysis of a representative sample or use of process knowledge, per EPA guidelines.

2.1.2 TMDPS Review

TMDPS reviews the waste profile form and any supporting documents (e.g., laboratory analyses, material safety data sheets, etc.) for technical adequacy. The review addresses i) environmental/permit compliance; ii) treatability/handling; and iii) health and safety issues.

Errors or omissions discovered during the review process are resolved through contact with the customer by phone, letter, or other means. This contact is typically coordinated by a member of the Sales/Customer Service Department.

2.1.3 Waste Stream Approval

If final approval for waste acceptance is granted, unique customer and waste stream identification numbers are issued for tracking purposes. The identification numbers are maintained in a database. Waste profile forms and supporting information are maintained in the facility operating record (see Section 4.0).

2.1.4 Shipping

After the waste profile and supporting information is accepted by TMDPS, the customer may schedule shipments.

2.2 Waste Stream Verification

TMDPS receives off-site generated waste in bulk containers (e.g., tanker trucks, vacuum trucks, railcars, roll-off boxes, vacuum boxes, etc.) and smaller containers (e.g., drums, totes, etc.). TMDPS requires the customer to submit a properly completed manifest or shipping papers and land disposal notification forms along with the waste shipment as specified by regulation (40 CFR 264 Subpart E, 40 CFR 268).

Wastes may also be piped directly or transferred from co-located or adjacent facilities (e.g., TM Chemicals). Such wastes follow the same procedures for tracking and management as wastes delivered through other means. Wastes piped directly may be received with alternate documentation. Alternate documentation may include, for example, work orders or Land Disposal Restriction Notifications (LDRNs).

As required by 40 CFR 264.13(a)(4), TMDPS inspects and, if necessary, analyzes each hazardous waste movement received at the facility to verify that the waste matches the identity of the waste specified on the accompanying manifest or shipping paper. As further specified in 40 CFR 264.13(c), this WAP describes inspection and analysis procedures for each movement of hazardous waste received at the facility, as follows:

- *Waste Identity, 40 CFR 264.13(c)(1):* Procedures used to determine the identity of each movement of waste managed at the facility are described below in Sections 2.2.1 - Waste Receipt and 2.2.2 - Paperwork and Waste Inspection.

- *Waste Sampling 40 CFR 264.13(c)(2):* Sampling methods employed to obtain a representative sample of the waste to be identified are described below in Sections 2.2.3 - Fingerprinting and 3.0 - Sampling and Analysis.

The following process is used to ensure that only approved wastes are accepted by the facility.

2.2.1 Waste Receipt

When waste arrives at TMDPS, but prior to off-loading, records in the computer database and tracking system are checked to confirm that the waste has been approved for acceptance (see Section 2.1.3).

2.2.2 Paperwork and Waste Inspection

TMDPS staff check the paperwork (i.e., manifest or shipping papers) accompanying the waste shipment to make sure that paperwork matches the waste being delivered, in accordance with 40 CFR 264.13(a)(4). Shipments of hazardous waste may also be accompanied by a Land Disposal Restriction Notification Form (see Figure IV.2), if applicable under 40 CFR 268.7.

After the paperwork has been reviewed, the load is visually inspected to verify that the identity of the waste is consistent with previous information provided to TMDPS. For shipments in containers (e.g., drums), each container is inspected to confirm the condition. If a container holding hazardous waste is compromised (e.g., severe rusting, apparent structural defects, leaking), the waste is transferred to a container in good condition which is compatible with the waste to be stored (40 CFR 264.171).

2.2.3 Fingerprinting

A sample is collected for waste "fingerprinting," i.e., inspection and analysis as required by 40 CFR 264.13(a)(4). Fingerprint parameter selection is described in Section 3.2.2. Table IV.C summarizes fingerprint parameters, sampling methods, and sampling frequencies.

The results of the fingerprint sample are compared to the database and waste description developed during the waste profiling process. If fingerprint results indicate minor differences from the waste description (e.g., pH marginally higher or lower than anticipated), the waste may be accepted based on the review of a person qualified to ensure that the waste can be managed within the conditions of the permit. Qualified individuals include lead operators, their supervisors, or the environmental manager. Other discrepancies, if any, are directed to the customer service representative for resolution with the customer. If discrepancies cannot be resolved, the load is rejected.

2.2.4 Waste Acceptance

After the paperwork, inspection, and fingerprint steps are completed, the shipment is accepted for processing. Any identified discrepancies are resolved prior to waste acceptance for bulk loads received for disposal via injection well so that waste management is consistent with the properties included in the waste profile.

TMDPS staff sign the manifest acknowledging receipt of the shipment. The manifest is maintained in the facility operating record. The waste tracking database is also updated.

For bulk waste, the general storage location for the waste stream is assigned during the profile approval process (see Section 2.1). The specific storage location for containerized wastes depends on compatibility and storage capacity at the time of receipt. Additional testing may be done to ensure compatibility prior to further processing. For example, the compatibility of drummed waste with material in a processing tank may be verified by testing small quantities (i.e., samples) of mixtures of the materials. If an adverse reaction is observed (e.g., generation of hydrogen sulfide (H_2S) or hydrogen cyanide (HCN) as measured with Draeger tubes, heat generation, or gas generation as evidenced by bubbling or popping), the person conducting the test will contact his or her supervisor. Results of the testing will be taken into account when considering options for waste management in order to prevent adverse reactions.

Special precautions are taken for ignitable, reactive, or incompatible wastes, in accordance with 40 CFR 264.17. These wastes are segregated and managed to prevent reactions which may, for example, produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health or the environment.

2.3 Waste Profile Re-evaluation

Waste profiles are re-evaluated whenever the generator has notified TMDPS of a change in the waste or TMDPS has reason to believe the waste has changed.

3.0 SAMPLING AND ANALYSIS

3.1 Sampling Methods

The methods and equipment used for sampling vary with the form, consistency, and location of the waste materials to be sampled. Methods used by TMDPS to obtain representative samples and sampling frequencies are summarized on Table IV.C. The list of sampling methods has been developed to be consistent with requirements of 40 CFR 261 Appendix I and USEPA SW-846. The following table summarizes the basic sampling equipment selection criteria:

	Waste Location or Container				
Waste Type	**Drum**	**Closed-bed Truck or Tanker Truck**	**Shallow tanks or bins**	**Storage tanks or bins**	**Pipe**
Free-flowing liquids and slurries	COLIWASA (or top, middle, bottom composite) or dipper	COLIWASA (or top, middle, bottom composite) or dipper	COLIWASA (or top, middle, bottom composite) or dipper	Bomb sampler or sampling port/valve outlet	Dipper or sampling port
Sludges	COLIWASA, sampling trier, thief, trowel, scoop	COLIWASA, sampling trier, thief, trowel, scoop	COLIWASA, sampling trier, thief, trowel, scoop	COLIWASA, sampling trier, thief, trowel, scoop or sampling port/valve outlet	n/a

	Waste Location or Container				
Waste Type	**Drum**	**Closed-bed Truck or Tanker Truck**	**Shallow tanks or bins**	**Storage tanks or bins**	**Pipe**
Moist powders or granules	Sampling trier, thief, trowel, scoop	Sampling trier, thief, trowel, scoop	n/a	n/a	n/a
Dry powders or granules	Sampling trier, thief, trowel, scoop	Sampling trier, thief, trowel, scoop	n/a	n/a	n/a
Sand or packed powders and granules	Sampling trier, thief, trowel, scoop	Sampling trier, thief, trowel, scoop	n/a	n/a	n/a
Large-grained solids	Sampling trier, thief, trowel, scoop	Sampling trier, thief, trowel, scoop	n/a	n/a	n/a

Notes:
1. This table summarizes the primary waste types and location types at the TMDPS facility. In the event that a different combination is necessary, TMDPS will use a sampling method consistent with USEPA SW-846 or other appropriate guidance.
2. Exceptions to these sampling methods apply to certain operating conditions and miscellaneous special wastes such as chemical waste from a laboratory (organic waste under pressure, highly odoriferous, lab packs, etc.), in which case a grab or other type of sample will be collected at a valve outlet or other sampling point, as appropriate. An exception may also apply in the case of a waste having significant safety concerns. In such cases, determination of the hazardous waste codes will not be based upon sampling and analyses, but rather on process knowledge and/or published data, such as material safety data sheets.

3.2 Analytical/Testing Procedures and Parameters

3.2.1 Laboratory Guidelines

Laboratory analyses are conducted to aid in waste characterization and determine appropriate management methods. The analyses follow guidelines, including QA/QC measures, from published method specifications such as:

- *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, USEPA Publication SW846, 1987, as revised;
- *Standard Methods for the Evaluation of Wastes and Waste Water*, 18th edition, 1992, as revised;
- *Methods for Chemical Analysis of Water and Wastes*. USEPA Publication 600/4-79-020, 1979;
- *ASTM Standard Test Methods* (e.g., Flash Point by Penske-Martens Closed Tester, American Society for Testing and Materials, Philadelphia);
- *HAZCAT Chemical Identification System*; or
- *Other:* Alternate standard methods generally accepted by the industry may also be employed for laboratory analyses.

3.2.2 Waste Fingerprinting

Fingerprinting is a screening tool to confirm that waste received from off-site is as expected (i.e., conforms to the description developed during waste profiling). Each load

is sampled and results are compared to the waste profile. Key parameters for fingerprint analysis and rationale for analysis are as follows:

Test	Rationale
pH	• Determine whether the waste is acidic (pH <7), basic (pH > 7), or neutral (pH 7). If the waste profile specifies the pH as a single value, a pH range of +/- 3 units in shipped wastes is acceptable unless the value results in a change in the classification of the waste to or from EPA waste code D002. • Determine compatibility, processing, and safety requirements. • Not applicable to certain types of wastes (e.g., solids).
Flash Point	• Verify waste characterization. • Not applicable to certain types of wastes (e.g., solids).
Filtration	• Help determine the level of processing that may be needed prior to disposal via injection well (i.e., to ensure solids can be removed before injection to avoid plugging the well).
Reactivity	• Help determine processing and safety requirements. Cyanide and sulfide waste streams are tested for reactivity and for HCN or H_2S in the headspace gas of the waste container. • Cyanide and sulfide waste streams do not need to be analyzed for reactivity for hazardous waste classification if the pH is less than 2 (40 CFR 261.23(a)(5)).
Screening for Cyanides	• Determine whether the waste will produce hydrogen cyanide when mixed with other wastes or water (i.e., compatibility testing).
Screening for Sulfides	• Determine whether the waste will produce hydrogen sulfide when mixed with other wastes or water (i.e., compatibility testing).
Compatibility	• Avoid hazardous reactions.
Insoluble Organics	• Help determine processing requirements. Insoluble organics may be separated and sent off-site for management or rejected.
Insoluble Solids	• Help determine processing requirements. Insoluble solids may be separated and sent for alternate disposal, either incineration, stabilization and off-site disposal (landfill) or rejected.

The specific parameters analyzed will depend on the type of waste being evaluated (see Table IV.C). Parameter selection is based on i) the physical state of the waste (e.g., pH testing does not apply to solids), ii) the analyses needed to confirm that the wastes match the waste profile, and iii) safety considerations. Supplemental testing (e.g., Specific Gravity, Heating Value) may be done at the discretion of Operations personnel, for example, to evaluate treatment and handling needs.

4.0 RECORDKEEPING

TMDPS maintains documentation such as waste profiles and manifests in the facility operating record. This documentation may be maintained in an electronic format. TMDPS also maintains an electronic database which tracks waste movement in the facility.

5.0 TMDPS-GENERATED WASTES

Wastes may also be generated on site during facility operations (e.g., treatment residues). For wastes generated on site, TMDPS completes a hazardous waste determination in accordance with 40 CFR 262.11 and 40 CFR 264.13(c) at the point of waste generation. The waste determination includes an evaluation of the following factors:

1. *Regulatory Exclusions:* Determination of whether the waste is excluded from regulation per 40 CFR 261.4.
2. *Listed Wastes:* Determination of whether the waste meets the description of a listed hazardous waste under 40 CFR Part 261 Subpart D.
3. *Characteristic Wastes:* Determination of whether the waste meets the definitions of characteristic hazardous waste per 40 CFR Part 261 Subpart C.

The waste classification is done by i) obtaining a chemical analysis of a representative sample of the waste, or ii) using process knowledge to identify hazardous constituents that may be present in the waste, or iii) reviewing existing published or documented data, or iv) using a combination of waste identification methods (40 CFR 262.11).

Waste classification is repeated as necessary to ensure that it is accurate and up to date per 40 CFR 264.13(a)(3).

Sampling, if performed to comply with 40 CFR 264.13(a)(4), is done as described in Section 3.1. Laboratory analyses may be conducted on wastes generated on site or wastes to be disposed off-site, as follows:

Test	Rationale
Toxicity Characteristic Leaching Procedure	• Determine whether the waste is characteristically hazardous.
Total concentrations of organic constituents	• Specified in Land Disposal Restrictions per 40 CFR 268.40 and 268.48.

Types of records maintained for on-site generated hazardous waste include:

- *Signed Manifests:* Copies are retained at least three years from the date of waste acceptance by the initial transporter [40 CFR 262.40(a)].
- *Biennial Reports and Exception Reports*: Copies are retained at least three years from the due date of the report [40 CFR 262.40(b)].
- *Test results, waste analysis, or other hazardous waste determinations:* Copies are retained at least three years from the date the waste is last sent to on- or off-site treatment, storage, or disposal [40 CFR 262.40(c)].
- *Land disposal restriction documentation:* Copies of notices, certifications, and waste analysis data are retained at least three years from the date the waste is last sent for on- or off-site treatment, storage or disposal [40 CFR 268.7(a)(8)].

Table IV.C. - Sampling and Analytical Methods[4]

Waste No.[1]	Sampling Location	Sampling Method	Frequency	Parameter[4]	Test Method	Desired Accuracy Level
Liquids and Emulsions: **a-d, g-j, m-u**	**From the arriving transport vehicle at the designated sampling area or on the unloading pad** ***or*** **From the consolidation tank or container after bulking at the point of consolidation, in the designated sampling area or in the container storage areas**	**See Note 2.**	**Per Note 3** ***or*** **As necessary after filling tank or container**	• **pH**	• **USEPA SW846 Method 9040[5]** ***or*** • **USEPA SW846 Method 9041[5]**	• **+/- 0.1 units** • **+/- 1 unit**
				• **Flash Point**	• **ASTM D3278-78[5]**	• **</>140° F**
				• **Filterability**	• **Introduce waste to benchtop filter to determine filtration time relative to water.**	• **No numerical criteria or regulatory requirement; used by facility for proper operation of injection well.**
				• **Reactivity**	• **Lower pH with acid and observe reaction**	• **No numerical criteria specified by regulation**
				• **Compatibility**	• **Carefully combine wastes and observe reaction**	• **No numerical criteria specified by regulation.**
				• **Percent Insoluble Organics**	• **Centrifuge and note organics**	• **No numerical criteria or regulatory requirement; used by facility for proper operation of injection well.**
				• **Percent Insoluble Solids**	• **ASTM D6050 [5]**	• **No numerical criteria or regulatory requirement; used by facility for proper operation of injection well.**

Table IV.C. - Sampling and Analytical Methods[4]

Waste No.[1]	Sampling Location	Sampling Method	Frequency	Parameter[4]	Test Method	Desired Accuracy Level
Sludges: **e-f, k-l, v-x**	**From the arriving transport vehicle at the designated sampling area or on the unloading pad** ***or*** **From the consolidation tank or container after bulking at the point of consolidation, in the designated sampling area or in the container storage areas**	**See Note 2.**	**Per Note 3** ***or*** **As necessary after filling tank or container**	• **pH**	• **USEPA SW846 Method 9040[5]** ***or*** • **USEPA SW846 Method 9041[5]**	• **+/- 0.1 units** • **+/- 1 unit**
				• **Flash Point**	• **ASTM D3278-78[5]**	• **</>140° F**
				• **Reactivity**	• **Lower pH with acid and observe reaction**	• **No numerical criteria specified by regulation**
				• **Compatibility**	• **Carefully combine wastes and observe reaction**	• **No numerical criteria specified by regulation**
				• **Percent Insoluble Organics**	• **Centrifuge and note solids**	• **No numerical criteria or regulatory requirement; used by facility for waste management**
				• **Percent Insoluble Solids**	• **ASTM D6050[5]**	• **No numerical criteria or regulatory requirement; used by facility for waste management**
Non-Hazardous Solids: **aa**	**From the arriving transport vehicle at the designated sampling area or on the unloading pad** ***or*** **From the consolidation tank or container after bulking at the point of consolidation, in the designated sampling area or in the container storage areas**	**See Note 2.**	**Per Note 3** ***or*** **As necessary after filling tank or container**	• **Toxicity Characteristic Leaching Procedure or Total organic concentrations**	• **USEPA SW846 Method 1311[5]**	• **Reg. Limits per 40 CFR 261.24 Table 1**
				• **Reactivity**	• **Lower pH with acid and observe reaction**	• **No numerical criteria specified by regulation**
				• **Compatibility**	• **Carefully combine wastes and observe reaction**	• **No numerical criteria specified by regulation**

Table IV.C. - Sampling and Analytical Methods[4]

Waste No.[1]	Sampling Location	Sampling Method	Frequency	Parameter[4]	Test Method	Desired Accuracy Level
Hazardous Solids: **y-z**	**From the arriving transport vehicle at the designated sampling area or on the unloading pad** ***or*** **From the consolidation tank or container after bulking at the point of consolidation, in the designated sampling area or in the container storage areas**	**See Note 2.**	**Per Note 3** ***or*** **As necessary after filling tank or container**	• **Toxicity Characteristic Leaching Procedure or Total organic concentrations**	• **USEPA SW846 Method 1311[5]**	• **Reg. Limits per 40 CFR 261.24 Table 1**
				• **Reactivity**	• **Lower pH with acid and observe reaction**	• **No numerical criteria specified by regulation**
				• **Compatibility**	• **Carefully combine wastes and observe reaction**	• **No numerical criteria specified by regulation**
Debris: **bb-cc**	**From the arriving transport vehicle at the designated sampling area or on the unloading pad** ***or*** **In the designated sampling area or in the container storage areas**	**See Note 2.**	**Per Note 3** ***or*** **As necessary after filling tank or container**	• **Visual inspection**	• **N/A**	• **No numerical criteria or regulatory requirement; used by facility for proper waste characterization**

[1] from Table IV.B, first column

[2] **See Section 3.1 - Sampling Methods in Attachment IV.1 - Waste Analysis Plan.**

[3] **Loads received from off-site are sampled as described below:**

- ***Drums:*** **At least 10% of the drums are sampled from each load for a given waste stream (i.e., if there are less than 10 drums per shipment, then at least one drum is sampled per waste stream).**
- ***Bulk Waste:*** **5% of multiple shipments of a single waste stream from a single operator or source will be sampled. If there are less than 20 truckloads of a single waste stream from a single operator or source, at least one truck will be sampled.**

[4] **Analyses may be conducted as needed for wastes received from off-site, wastes generated on-site, or wastes to be shipped off-site.**

[5] **An equivalent method may be used from USEPA SW846, Standard Methods, ASTM Methods, or Industry Accepted Standards, as appropriate to parameter.**

[6] **N/A = Not applicable.**

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

ATTACHMENT 5.2
WASTE PROFILE DOCUMENT AND LAND DISPOSAL RESTRICTION NOTIFICATION

TM Deer Park Services Limited Partnership
WASTE PROFILE

TMDP Profile/WS# : _____

P.O. Box 1914 • 2525 Independence Parkway South • Deer Park, TX 77536-1914 • Phone: 281/930-2525 • Fax: 281/930-2535

I. CUSTOMER/GENERATOR INFORMATION:

Customer Name _____ Generator Name _____

Billing Address _____ Physical Address _____

_____ _____

Contact _____ Mailing Address _____

Phone _____ _____

Fax _____ 24-Hour Contact _____

E-MAIL _____ 24-Hour Phone _____

II. WASTE GENERATION DATA:

Waste Name: _____

Describe the process that generates this waste: _____

_____

Annual Volume: _____ ☐ lbs ☐ tons ☐ gals ☐ drums Container Size/Type: _____ Shipping Frequency: _____ per _____

EPA ID No. ☐☐☐☐☐☐☐☐☐☐☐☐ State ID No. ☐☐☐☐☐ State Waste Code ☐☐☐☐☐☐☐☐ SIC# ☐☐☐☐

III. RCRA DATA:

Is waste hazardous per RCRA? ☐ Yes ☐ No If yes, please attach completed Land Disposal Restriction Notification Form.

EPA Hazardous _____ _____ _____ _____ _____ _____ _____ _____ _____

Waste Codes: _____ _____ _____ _____ _____ _____ _____ _____ _____

IV. WASTE PROPERTIES:

(A) pH Range: _____ to _____

(B) Specific Gravity: _____ to _____

(C) Appearance (e.g. yellow, clear, turbid, etc.): _____

(D) Physical State: ☐ Solid ☐ Liquid ☐ Semi-Solid

(E) Odor: ☐ Strong ☐ Mild ☐ None

(F) Describe Odor (acrid, rancid, etc.): _____

(G) Flash Point: _____ ☐ ° F ☐ ° C ☐ Closed Cup ☐ Open Cup

(H) Vapor Pressure: _____ (PSI)

(I) Settled Solids (by vol.): _____ to _____ %

(J) Insoluble Constituents (by vol.): _____ to _____ %

(K) Dry Weight Factor: _____

Mark if any of the following pertain to this waste:

☐ Pyrophoric ☐ Pesticides ☐ PCBs > 50 ppm
☐ Hydrophobic ☐ Dioxins ☐ Universal
☐ Biological ☐ Carcinogens ☐ Lab Pack
☐ Explosives ☐ Sulfides ☐ NESHAP-Regulated
☐ Radioactive ☐ Organics (Part____, Subpart____)

Does the waste liberate any gases above PEL into the headspace?

	Yes	No	AMOUNT
Hydrogen Cyanide	☐	☐	_____
Hydrogen Sulfide	☐	☐	_____
Sulfur Dioxide	☐	☐	_____
Other Toxic Gas	☐	☐	_____

Specify: _____

V. SHIPPING INFORMATION:

DOT Shipping Name: _____

DOT Hazard Class: _____ UN/NA Number: _____ Packing Group: _____ Reportable Qty. (Lbs): _____

Required personnel protective equipment & procedures: _____

_____

Other comments or hazards including effects on human health in the event of a release: _____

_____

VI. COMPONENTS: Account for 100% of the waste components. Include metals, UHCs, TRI-reportable chemicals, etc.

CAS # (Optional)	Constituent	Range		Unit	CAS # (Optional)	Constituent	Range		Unit
			-					-	
			-					-	
			-					-	
			-					-	
			-					-	
			-					-	
			-					-	
			-					-	
			-					-	
			-					-	

Specific constituents of concern: ☐ Check here if the following constituents do not apply to the waste described in this document.

79-06-1	Acrylamide	N/A	-	7446-27-7	Lead phosphate	N/A	-
309-00-02	Aldrin	N/A	-	628-86-4	Mercury fulminate	N/A	-
20859-73-8	Aluminum phosphide	N/A	-	56-49-5	3-Methylcholanthrene	N/A	-
7778-39-4	Arsenic acid	N/A	-	79-46-9	2-Nitropropane	N/A	-
1303-28-2	Arsenic pentoxide	N/A	-	924-16-3	N-Nitrosodi-n-butylamine	N/A	-
1327-53-3	Arsenic trioxide	N/A	-	1116-54-7	N-Nitrosodiethanolamine	N/A	-
92-87-5	Benzidine	N/A	-	55-18-5	N-Nitrosodiethylamine	N/A	-
98-07-7	Benzotrichloride	N/A	-	62-75-9	N-Nitrosodimethylamine	N/A	-
31984-6	alpha-BHC	N/A	-	10595-95-6	N-Nitrosomethylethylamine	N/A	-
319-85-7	beta-BHC	N/A	-	684-93-5	N-Nitroso-N-methylurea	N/A	-
107-30-2	Chloromethylmethyl ether	N/A	-	930-55-2	N-Nitrosopyrrolidine	N/A	-
111-44-4	sym-Dichloroethyl ether	N/A	-	7803-51-2	Phosphine	N/A	-
542-88-1	sym-Dichloromethyl ether	N/A	-	50-55-2	Reserpine	N/A	-
60-57-1	Dieldrin	N/A	-	1314-80-3	Sulphur phosphide	N/A	-
56-53-1	Diethylstilbesterol	N/A	-	78-00-2	Tetraethyl lead	N/A	-
122-66-7	1,2-Diphenylhydrazine	N/A	-	1314-32-5	Thallic oxide	N/A	-
621-64-7	Di-n-propylnitrosamine	N/A	-	6533-73-9	Thallium carbonate	N/A	-
	Dioxins	N/A	-	7791-12-0	Thallium chloride	N/A	-
298-04-4	Disulfoton	N/A	-	10102-45-1	Thallium nitrate	N/A	-
115-29-7	Endosulfan	N/A	-	12039-52-0	Thallium selenite	N/A	-
33213-6-5	Endosulfan II	N/A	-	7446-18-6	Thallium sulfate	N/A	-
	Endrin metabolites	N/A	-	62-56-6	Thiourea	N/A	-
106-93-4	Ethylene dibromide	N/A	-	137-26-8	Thiram	N/A	-
76-44-8	Heptachlor	N/A	-	99-35-4	1,3,5-Trinitrobenzene	N/A	-
302-01-2	Hydrazine	N/A	-	1314-84-7	Zinc phosphide	N/A	-
7439-92-1	Lead	N/A	-				

Waste characterization determined by: ☐ Process Knowledge ☐ Waste Analysis (Provide copy) ☐ MSDS/SDS(s) (Provide copy)

VII. Certification

I hereby certify and warrant that the information supplied on this form, and any attachments, represents a complete and accurate identification and description of this waste material, its constituents and its known or suspected hazards. I further certify and warrant that this information is the result of an analysis of a representative sample of the waste obtained and analyzed in accordance with testing procedures of the U.S. Environmental Protection Agency or by the application of knowledge of the process generating the waste materials per EPA Guidelines.

PRINTED NAME: _____ SIGNATURE: _____ DATE: _____

TM Deer Park Services Limited Partnership

LAND DISPOSAL RESTRICTION (LDR) NOTIFICATION

Generator Name:	
TMDP Profile/WS #:	
Manifest Number:	

EPA Waste Code(s)	Wastewater (WW)/ Non-wastewater (NW)	Subcategory / Constituent(s) of Concern[1]	Treatment Status Code
The following are the underlying hazardous constituents (UHCs)[2] applicable to the waste listed above:			

TREATMENT STATUS CODES: Use the following codes for each EPA Waste Code applicable to the waste.

A. **REQUIRES TREATMENT**: The untreated waste identified above is subject to the LDRs. The constituents of concern for F001-F005 and F039 wastes are listed above[1] and the UHCs (see 40 CFR 268.2(i))[2] in characteristic wastes are also listed above.

A1. **Debris:** The waste is a debris to be treated with the alternative treatment technologies provided by and to comply with 268.45, the contaminants subject to treatment are listed above.

A2. **Soil:** *This contaminated soil [DOES/DOES NOT] contain listed hazardous waste and [DOES/DOES NOT] exhibit a characteristic of hazardous waste and is subject to the soil treatment standards as provided by 268.49(c) or the universal treatment standards. The constituents subject to treatment are listed above.*

B. **MEETS TREATMENT STANDARDS**: *I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.*

B1. **Soil***: This contaminated soil [DOES/DOES NOT] contain listed hazardous waste and [DOES/DOES NOT] exhibit a characteristic of hazardous waste and complies with the soil treatment standards as provided by 268.49(c) or the universal treatment standards. The constituents subject to treatment are listed above.*

C. **TREATED TO MEET TREATMENT STANDARDS**: *I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.*

C1. **Soil***: This contaminated soil [DOES/DOES NOT] contain listed hazardous waste and [DOES/DOES NOT] exhibit a characteristic of hazardous waste and complies with the soil treatment standards as provided by 268.49(c) or the universal treatment standards. The constituents subject to treatment are listed above.*

D. **SUBJECT TO EXEMPTION**: The waste identified above is not prohibited from land disposal because the waste qualifies for one of the following exemptions:

D1. A case-by-case extension under 40 CFR Section 268.5 (date waste is subject to prohibition: _____)

D2. A national or case-by-case capacity variance (date waste is subject to prohibition: _____)

D3. Disposal in a no-migration unit under 40 CFR Section 268.6.

D4. D001 (<10% TOC), D002 or D012-D043 waste treated in Class I Injection Well, Clean Water Act (CWA) System or CWA-equivalent system.

E. **NON-RESTRICTED:** The waste identified above is not restricted from land disposal.

F. **LAB PACKS**:

F1. **Direct land disposal:** *The waste identified above meets the requirements of 264.316 and may be directly disposed in a hazardous waste landfill.*

F2. **Incineration:** *I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes that have not been excluded under appendix IV to 40 CFR part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.*

By my signature below, the generator acknowledges that this is being submitted to TM Deer Park Services Limited Partnership (TMDP) pursuant to applicable federal regulations, including 40 CFR §268.7, and that TMDP and its representatives may rely on the statements and information presented on this form. The generator hereby attests to the applicable certifications set forth in italics above, and I represent that the statements and information on this form, to the best of my knowledge and belief, are true, accurate and complete in all respects.

Signature: _____ Title _____ Date _____

Printed Name:

(Rev. 9-19-2012)

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

ATTACHMENT 5.3
OFFSITE FACILITIES

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

ATTACHMENT 5.3
OFFSITE FACILITIES

- **Subtitle C Hazardous Landfill**
  - CWM – Sulphur, Louisiana
  - US Ecology Texas, Inc. – Robstown, Texas

- **Class 1 Non-Hazardous Landfill**
  - CWM - Coastal Plains RDF – Alvin, Texas

- **Class 2 Non-Hazardous Landfill**
  - CWM – Baytown Landfill, Baytown, Texas
  - Republic McCarty Landfill – McCarty, Texas

- **Subtitle C Hazardous Incinerators**: Solids & Liquids
  - Veolia Environmental Services – Port Arthur, Texas
  - Clean Harbors – Deer Park, Texas

- **Cement Kiln**: Liquid Fuels
  - Cadence Chemicals/Ash Grove Cement – Foreman, Arkansas
  - Systech – Fredonia, Kansas

- **Cement Kiln**: Solid Fuels
  - Rineco – Benton, Arkansas

- **Fuel Blending**: Drums and Bulk
  - Rineco – Benton, Arkansas

- **Lamp/Battery Recycling**
  - Lamp Environmental Inc. – Hammond, Louisiana

- **Desorber**
  - U.S. Ecology Texas – Robstown, Texas

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

ATTACHMENT 6.1
EXPERIENCE MODERATOR RATE

November 15, 2023

Texas Molecular Holdings, LLC

Re: Texas Molecular Holdings, LLC– Experience Mod

To Whom It May Concern:

As promulgated by the National Council on Compensation Insurance (NCCI), please be advised that the Worker's Compensation Experience Modifier for Texas Molecular Holdings, LLC is as follows:

Modifier Effective Date	Modifier
09/19/2023	.66

If you should have any questions, please feel free to contact us.

Sincerely,

Sandra Rodriguez

Sandra Rodriguez
Senior Account Manager
Lockton Companies

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

ATTACHMENT 6.2
OSHA 300A LOGS

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Note: You can type input into this form and save it.
Because the forms in this recordkeeping package are "fillable/writable" PDF documents, you can type into the input form fields and then save your inputs using the free Adobe PDF Reader.

Year 20 23

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write "0."

Employees, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR Part 1904.35, in OSHA's recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	0	1
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
(K)	(L)

Injury and Illness Types

Total number of . . .	(M)		
(1) Injuries	1	(4) Poisonings	0
(2) Skin disorders	0	(5) Hearing loss	0
(3) Respiratory conditions	0	(6) All other illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.

Public reporting burden for this collection of information is estimated to average 50 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any other aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistical Analysis, Room N-3644, 200 Constitution Avenue, NW, Washington, DC 20210. Do not send the completed forms to this office.

Establishment information

Your establishment name TM Deer Park Services LLC

Street 2525 Independence Parkway S

City Deer Park State TX Zip 77536

Industry description (*e.g., Manufacture of motor truck trailers*)
Hazardous Waste Treatment, Storage, and Disposal Facility

Standard Industrial Classification (SIC), if known (*e.g., 3715*)
4953

OR

North American Industrial Classification (NAICS), if known (e.g., 336212)
562211

Employment information (If you don't have these figures, see the Worksheet on the next page to estimate.)

Annual average number of employees 65

Total hours worked by all employees last year 130526

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Company executive

Director - EHS
Title

Phone 280 - 930 - 2593 Date 02 / 01 / 2024

Save Input

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Note: You can type input into this form and save it.
Because the forms in this recordkeeping package are "fillable/writable" PDF documents, you can type into the input form fields and then save your inputs using the free Adobe PDF Reader.

Year 20 22

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write "0."

Employees, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR Part 1904.35, in OSHA's recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	0	0
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
(K)	(L)

Injury and Illness Types

Total number of . . .	(M)		
(1) Injuries	0	(4) Poisonings	0
(2) Skin disorders	0	(5) Hearing loss	0
(3) Respiratory conditions	0	(6) All other illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.

Public reporting burden for this collection of information is estimated to average 50 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any other aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistical Analysis, Room N-3644, 200 Constitution Avenue, NW, Washington, DC 20210. Do not send the completed forms to this office.

Establishment information

Your establishment name: TM Deer Park Services LLC

Street: 2525 Independence Parkway S

City: Deer Park State: TX Zip: 77536

Industry description (*e.g., Manufacture of motor truck trailers*)
Hazardous Waste Treatment, Storage, and Disposal Facility

Standard Industrial Classification (SIC), if known (*e.g., 3715*)
4953

OR

North American Industrial Classification (NAICS), if known (e.g., 336212)
562211

Employment information *(If you don't have these figures, see the Worksheet on the next page to estimate.)*

Annual average number of employees: 51

Total hours worked by all employees last year: 101727

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Kurt Edwards — Company executive

VP-Operations — Title

Phone 281 - 930 - 2543 Date 1 / 31 / 2023

Save Input

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Note: You can type input into this form and save it.
Because the forms in this recordkeeping package are "fillable/writable" PDF documents, you can type into the input form fields and then save your inputs using the free Adobe PDF Reader.

Year 20 21

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write "0."

Employees, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR Part 1904.35, in OSHA's recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	0	0
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
(K)	(L)

Injury and Illness Types

Total number of . . .	(M)		
(1) Injuries	0	(4) Poisonings	0
(2) Skin disorders	0	(5) Hearing loss	0
(3) Respiratory conditions	0	(6) All other illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.

Public reporting burden for this collection of information is estimated to average 50 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any other aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistical Analysis, Room N-3644, 200 Constitution Avenue, NW, Washington, DC 20210. Do not send the completed forms to this office.

Establishment information

Your establishment name: TM Deer Park Services LLC

Street: 2525 Independence Parkway S

City: Deer Park State: TX Zip: 77536

Industry description (*e.g., Manufacture of motor truck trailers*)
Hazardous Waste Treatment, Storage, and Disposal Facility

Standard Industrial Classification (SIC), if known (*e.g., 3715*)
4953

OR

North American Industrial Classification (NAICS), if known (e.g., 336212)
562211

Employment information

(If you don't have these figures, see the Worksheet on the next page to estimate.)

Annual average number of employees: 54

Total hours worked by all employees last year: 107278

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Kirk Edwards

Company executive

Kirk Edwards
Title

Phone 281 - 930 - 2543 Date 01 / 31 / 22

Save Input

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

ATTACHMENT 6.3
REGULATORY INVESTIGATIONS

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Kelly Keel, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 31, 2024

Ms. Christina Perez, Director – EHS
TMDP Deer Park Services LLC
PO BOX 1914
Deer Park,Texas 77536

Re: Compliance Evaluation Investigation at:
TMDP Deer Park Services, 2525 Independence Road, Deer Park (Harris County), Texas.
TCEQ SWR No.: 32299, TCEQ Permit No. 50058; EPA ID No.: TXD000719518

Dear Ms. Perez:

On January 9, 2024, Ms. Oindrila Das and Mr. Casimir Onwuka of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for industrial solid waste and municipal solid waste. Enclosed is a summary which lists the investigation findings.

During the investigation, one concern was noted which was alleged violation that has been resolved as Area of Concern based on subsequent corrective action. In addition, one additional issue identified that has been addressed. No further response from you is necessary concerning this investigation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. Das in the Houston Region Office at (713) 767-3749.

Sincerely,

Kendra Bernhagen

Kendra Bernhagen, Team Leader
Waste Section
Houston Region Office

KB/OD/cj

Enclosure: Summary of Investigation Findings

Summary of Investigation Findings

TM DEER PARK SERVICES **Investigation # 1924758**

2525 INDEPENDENCE RD **Investigation Date: 01/09/2024**

DEER PARK, HARRIS COUNTY, TX 77536

Additional ID(s): 50058
32299
TXD000719518

AREA OF CONCERN

Track No: 867050

30 TAC Chapter 335.6(c)

PERMIT 50058, Permit Provision (PP) II.C.1.I

Alleged Violation:

Investigation: 1924758 Comment Date: 01/12/2024

The facility failed to update the Notice of Registration (NOR) as required.

The facility's NOR needs to be updated as follows:

a. Update the regulatory status of the waste management unit, NOR No. 021.

Recommended Corrective Action: The facility was requested to make this revision to the NOR and submit documentation to the TCEQ Houston Regional Office to verify compliance.

Resolution: The alleged violation has been resolved as an area of concern based on the documentation submitted on January 9 and 11, 2024, to the TCEQ Houston Region Office, indicating that the NOR has been updated.

ADDITIONAL ISSUES

Description	Additional Comments
Item #2	The following additional issue was noted during the investigation and has been addressed based on the corrective action taken by the facility. During the investigation, the following waste management units (WMUs), NOR No. 021, 076, 112, 172, and 182, were noted to be inactive. The facility was requested to review the inactive WMUs for closure per 30 TAC §335.8 - Closure and Remediation, and 30 TAC §350 - Texas Risk Reduction Program. The additional issue has been addressed based on the documentation submitted on January 9 and 11, 2024, to the TCEQ Houston Region Office, stating that the facility reviewed and elected to retain the WMUs for future uses.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
Enforcement and Compliance Assurance Division
1201 ELM STREET, SUITE 500
DALLAS, TEXAS 75270

August 11, 2023

VIA E-MAIL: christina.perez@vlses.com

Christina Perez
Texas Molecular Deer Park Services, LLC
2525 Independence Pkwy
Deer Park, TX 77536

Re: Resource Conservation and Recovery Act Compliance Evaluation Inspection at Texas Molecular – Deer Park

Dear Ms. Perez,

Thank you for your time and the courtesy extended to the Environmental Protection Agency (EPA) staff during the Resource Conservation and Recovery Act (RCRA) Compliance Evaluation Inspection (CEI) conducted at the Texas Molecular – Deer Park facility on March 2-3, 2023.

I am writing to inform you that the Enforcement and Compliance Assurance Division of Region 6, United States EPA has reviewed the information you provided in relation to the inspection regarding potential RCRA violations. Following review of data and conversations with the facility, EPA has determined no further action is required.

If you have any questions regarding this letter, please contact Erin Young-Dahl, of my staff, at 214-665-3166 or at youngdahl.erin@epa.gov.

Sincerely,

Jeffrey Yurk, Branch Manager
Enforcement and Compliance
Assurance Division

eCC: madelyn.flannagan@tceq.texas.gov
john.shelton@tceq.texas.gov

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 27, 2022

Ms. Christina Perez, Director – Environmental, Health & Safety
TM Deer Park Services LLC
P. O. Box 1914
Deer Park, Texas 77536

Via Email

Re: Compliance Evaluation Investigation at:
TM Deer Park Services, 2525 Independence Road, Deer Park (Harris County), Texas
TCEQ SWR No.: 32299; EPA ID No.: TXD000719518; UIC Permit No.: WDW169, WDW249, and WDW422

Dear Ms. Perez:

On November 19, 2021, Mr. Casimir Onwuka of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements underground injection control. No violations are being alleged as a result of the investigation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Mr. Onwuka in the Houston Region Office at (713) 767-3606.

Sincerely,

Kendra Bernhagen

Kendra Bernhagen, Team Leader
Waste Section
Houston Region Office

KB/CEO/lm

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 18, 2022

Ms. Christina Perez, Director – Environmental, Health & Safety
TM Deer Park Services LLC
P. O. Box 1914
Deer Park, Texas 77536

Re: On-Site Tier II Community Right-to-Know Investigation at:
TM Deer Park Services, 2525 Independence Road, Deer Park (Harris County), Texas
TCEQ SWR No.: 32299; TIER II ID: 66685; EPA ID No.: TXD000719518

Dear Ms. Perez:

On November 19, 2021, Mr. Casimir Onwuka of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements Tier II chemical reporting. No violations are being alleged as a result of the investigation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Mr. Onwuka in the Houston Region Office at (713) 767-3606.

Sincerely,

Kendra Bernhagen

Kendra Bernhagen, Team Leader
Waste Section
Houston Region Office

KB/CEO/lm

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 20, 2022

Ms. Christina Perez, Director EHS
TM Deer Park Services LLC
P. O. Box 1814
Deer Park, Texas 77536

Via E-mail

Re: Compliance Evaluation Investigation at:
TM Deer Park Services, 2525 Independence Pkwy South, Deer Park (Harris County), Texas
TCEQ SWR No.: 32299, Permit No.: 50058, EPA ID No.: TXD000719518

Dear Ms. Perez:

On November 19, 2021, Mr. Casimir Onwuka of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for industrial solid waste. No violations are being alleged as a result of the investigation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Mr. Onwuka in the Houston Region Office at (713) 767-3606.

Sincerely,

Kendra Bernhagen

Kendra Bernhagen, Team Leader
Waste Section
Houston Region Office

KB/CEO/lm

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 12, 2019

CERTIFIED MAIL# 91 7199 9991 7038 7442 6166
RETURN RECEIPT REQUESTED

Ms. Christina Perez, Director of Environmental, Health, and Safety
TM Deer Park Services Limited Partnership
P.O. Box 1914
Deer Park, Texas 77536

Re: Notice of Violation for the Compliance Evaluation Investigation at:
TM Deer Park Services, 2525 Independence Rd., Deer Park (Harris County), Texas
TCEQ SWR No.: 32299; Permit No.: 50058; EPA ID No.: TXD000719518

Dear Ms. Perez:

On November 6 and 7, 2019, Ms. Eresha DeSilva and Ms. Nicole Weist of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for industrial solid waste. Enclosed is a summary which lists the investigation findings. During the investigation, a concern was noted which was an alleged violation that has been resolved as an Area of Concern based on subsequent corrective action. In addition, an alleged violation and additional issue were identified. Based on the information you have provided, the TCEQ has adequate document to indicate that corrective action has been taken for the alleged violation and additional issue. Therefore, no further action is required.

In the listing of the alleged violation, we have cited applicable requirements, including TCEQ rules. Please note that both the rules themselves and the agency brochure entitled *Obtaining TCEQ Rules* (GI 032) are located on our agency website at http://www.tceq.texas.gov for your reference. If you would like a hard copy of this brochure mailed to you, you may call and request one from either the Houston Region Office at (713) 767-3500 or the Central Office Publications Ordering Team at 512-239-0028. Copies of applicable federal regulations may be obtained by calling Environmental Protection Agency's Publications at (800) 490-9198.

The TCEQ appreciates your assistance in this matter. Please note that the Legislature has granted TCEQ enforcement powers which we may exercise to ensure compliance with environmental regulatory requirements. We anticipate that you will resolve the alleged violation as required in order to protect the State's environment. If you have additional information that we are unaware of, you have the opportunity to contest the violation documented in this notice. Should you choose to do so, you must notify the Houston Region Office within 10 days from the date of this letter. At that time, Ms. Alma L. Jefferson, Waste Section Manager, will schedule a violation review meeting to be conducted within 21 days from the date of this letter. However, please be advised that if you decide to participate in the violation review process, the TCEQ may still require you to adhere to the compliance schedule included in the attached Summary of Investigation Findings until an official decision is made regarding the status of any or all of the contested violations.

If you or members of your staff have any questions, please feel free to contact Ms. DeSilva in the Houston Region Office at (713) 422-8950.

Sincerely,

Carlos R. Romo, Team Leader
Waste Section
Houston Region Office

CRR/ED/na

Enclosure: Summary of Investigation Findings

Summary of Investigation Findings

TM DEER PARK SERVICES
2525 INDEPENDENCE RD
DEER PARK, HARRIS COUNTY, TX 77536

Investigation # 1611159
Investigation Date: 11/06/2019

Additional ID(s): 50058
32299
TXD000719518
P00177

ALLEGED VIOLATION(S) NOTED AND RESOLVED

Track No: 735623

30 TAC Chapter 335.152(a)(19)
40 CFR Chapter 264.1057(c)(1)

PERMIT 50058, Permit Provision X.C.

Alleged Violation:

Investigation: 1611159 Comment Date: 12/09/2019

Failure to monitor valves in gas/vapor or light liquid service, for which leaks are not detected, within the first month of every succeeding quarter.

During the investigation, it was observed that the facility's valves in gas/vapor or light liquid service are monitored quarterly but not in the first month of each quarter based on Subpart BB monitoring data reviewed for 2018 and 2019.

Recommended Corrective Action: The facility shall ensure that valves subject to Subpart BB quarterly monitoring are monitored within the first month of the quarter. Submit documentation to the TCEQ Houston Region Office demonstrating compliance.

Resolution: TM submitted documentation on November 25, 2019 indicating that Think Environmental, the contractor handling leak detection monitoring for Subpart BB components, has updated the quarterly monitoring schedule for Subpart BB valves to the first month of each quarter in the LeakDAS database. Based on the documentation reviewed, this alleged violation is resolved.

Track No: 735624

30 TAC Chapter 335.6(c)

PERMIT 50058, Permit Provision II.C.1.I.

Alleged Violation:

Investigation: 1611159 Comment Date: 12/09/2019

Failure to update the Notice of Registration (NOR). Any person who generates hazardous waste shall notify the executive director of such activity using electronic notification software. Any person who provides notification shall have the continuing obligation to immediately document any changes or additional information. The following changes are required:

a) Update unit statuses for waste management units (WMUs) with NOR Nos. 8, 34, 41, and 58 from "not yet built" to "active"
b) Add hazardous waste streams to "wastes currently managed at unit" to NOR No. 167
c) Update regulatory status for NOR Nos. 109 and 111, which are identified as regulatory status code "13" for "RCRA permit exempt – accumulation time for SQG and CESQG" in the State of Texas Environmental Electronic Reporting System (STEERS)
d) Inactivate NOR No. 182

Recommended Corrective Action: The facility shall update the NOR through STEERS. For updates that cannot be made through STEERS, submit a letter to the TCEQ Registration and Reporting Section (P.O. Box 13087, Mail Code 129, Austin, Texas 78711-3087). Provide the NOR update documentation from STEERS and the letter with mail certification to the TCEQ Houston Region Office to demonstrate compliance.

Resolution: TM submitted documentation on November 6, 7, and 13, 2019 to show that updates to the NOR have been made in STEERS or sent to the TCEQ Registration and Reporting Section. Some updates are also reflected in the NOR last updated on November 14, 2019. Based on the documentation reviewed, this alleged violation is resolved as an Area of Concern.

ADDITIONAL ISSUES

Description	Additional Comments
Item #3	The following additional issue was noted during the investigation and subsequently addressed based on corrective actions performed by the facility. During the investigation, it was noted that the daily and monthly inspection documentation for respirators/gas masks, as required by Industrial Hazardous Waste Permit No. 50058 Table III.D. - Inspection Schedule, was not being consistently completed. Inspections for respirators/gas masks were recorded on daily monitor bump test and respirator inspection sheets for each employee; however, respirator condition and/or operator initials were not consistently documented on the inspection sheets. The facility is requested to implement training to ensure that information on the respirator/gas mask inspections are being completed consistently. TM submitted documentation on November 22 and 25, 2019, which included a copy of the criteria reviewed for filling out inspection sheets and sign-in sheets showing training has been implemented. Based on the documentation reviewed, this additional issue has been adequately addressed.

RECEIVED-NOV-25 2019

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 21, 2019

Ms. Christina Perez, Director of Environmental, Health, and Safety
TM Deer Park Services Limited Partnership
P.O. Box 1914
Deer Park, Texas 77536

Re: Underground Injection Control Investigation at:
TM Deer Park Services, 2525 Independence Rd., Deer Park (Harris County), Texas
TCEQ SWR No.: 32299; Permit Nos.: WDW169, WDW 249, and WDW422;
EPA ID No.: TXD000719518

Dear Ms. Perez:

On November 6 and 7, 2019, Ms. Eresha DeSilva and Ms. Nicole Weist of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for underground injection control. No violations are being alleged as a result of the investigation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. DeSilva in the Houston Region Office at (713) 422-8950.

Sincerely,

Carlos R. Romo, Team Leader
Waste Section
Houston Region Office

CRR/ED/na

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

RECEIVED NOV 25 2019

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 21, 2019

Ms. Christina Perez, Director of Environmental, Health, and Safety
TM Deer Park Services Limited Partnership
P.O. Box 1914
Deer Park, Texas 77536

Re: Tier II On-Site Investigation at:
TM Deer Park Services, 2525 Independence Rd., Deer Park (Harris County), Texas
TCEQ SWR No.: 32299; Permit No.: 50058; EPA ID No.: TXD000719518

Dear Ms. Perez:

On November 6, 2019, Ms. Eresha DeSilva and Ms. Nicole Weist of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for Tier II chemical reporting. No violations are being alleged as a result of the investigation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. DeSilva in the Houston Region Office at (713) 422-8950.

Sincerely,

Carlos R. Romo, Team Leader
Waste Section
Houston Region Office

CRR/ED/na

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

ATTACHMENT 7.1
INSURANCE DOCUMENTS

CERTIFICATE OF LIABILITY INSURANCE

6/30/2024

DATE (MM/DD/YYYY) 9/16/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
LOCKTON COMPANIES
3657 BRIARPARK DRIVE, SUITE 700
HOUSTON TX 77042
866-260-3538

CONTACT NAME:
PHONE (A/C, No, Ext): **FAX (A/C, No):**
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Starr Surplus Lines Insurance Company	13604
INSURER B : --- SEE ATTACHMENT ---	
INSURER C : Ascot Specialty Insurance Company	45055
INSURER D : National Union Fire Ins Co Pitts. PA	19445
INSURER E : Granite State Insurance Company	23809
INSURER F : Colony Insurance Company	39993

INSURED
1401513
TM Deer Park Services, LLC
Texas Molecular Holdings, LLC
2525 Independence Parkway S.
Deer Park TX 77536

COVERAGES **CERTIFICATE NUMBER:** 13673769 **REVISION NUMBER:** XXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [ ] PRO-JECT [ ] LOC [ ] OTHER:	Y	Y	1000067490231	11/1/2023	11/1/2024	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG 	$ 1,000,000 $ 50,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $
B	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY	Y	Y	See Attached	6/30/2023	6/30/2024	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) 	$ 5,000,000 $ XXXXXXX $ XXXXXXX $ XXXXXXX $ XXXXXXX
A F	[ ] UMBRELLA LIAB [X] OCCUR [X] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [ ] RETENTION $	Y	Y	1000337695231 EXO4257504	11/1/2023 11/1/2023	11/1/2024 11/1/2024	EACH OCCURRENCE AGGREGATE 	$ 15,000,000 $ 15,000,000 $ XXXXXXX
D E	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N [N] If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	Y	WC048240270 (AOS) WC048240269 (CA)	6/30/2023 6/30/2023	6/30/2024 6/30/2024	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C	Pollution Legal Liability	Y	Y	ENPR2310001133	10/17/2023	11/1/2024	$1,000,000 per Occurrence $250,000 Deductible	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
See Attached.

CERTIFICATE HOLDER

13673769

For Information Purposes Only
P. O. Box 1914
Deer Park TX 77536

CANCELLATION See Attachment

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Primary Auto:
Carrier: National Union Fire Ins Co Pitts. PA
Effective/ Expiration Date: 06/30/2023-06/30/2024
Policy Number: CA 2507830
Limits - $1,000,000 Combined Single Limit

Auto Buffer $2M x $1M Primary:
Carrier: AXIS Surplus Insurance Company
Effective/ Expiration Date: 11/01/2023-11/01/2024
Policy Number: P-001-001284959-01
Limits - $2,000,000 Each Occurrence

Auto Buffer $2M x $2M x $1M Primary:
Carrier: Gotham Insurance Company
Effective/ Expiration Date: 11/01/2023-11/01/2024
Policy Number: EX202300004235
Limits - $2,000,000 Each Occurrence

All policies (except Workers' Compensation/Employers' Liability) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

All policies (except Workers' Compensation/Employers' Liability) contain a special endorsement with "primary and noncontributory" wording.

TM Deer Park Services LLC

October 20, 2023

Mark Stoebner
Financial Analyst
Financial Assurance Unit, MC-184
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087

Re: Certificate of Insurance for Liability
TM Deer Park Services LLC
Hazardous Waste Permit No. 50058
UIC Permit Nos. WDW-169, WDW-249, and WDW-422
Industrial Solid Waste Registration No. 32299
EPA ID No. TXD000719518

Dear Mr. Stoebner:

Please find enclosed one (1) updated copy of an Endorsement for Liability effective on October 17, 2023 for the above-referenced facility located in Deer Park, Texas.

If you have any questions or need further information, please feel free to call me at (281) 930-2593.

Sincerely,

Christina Perez
Director - EHS

Enclosure

Figure: 30 TAC §37.641

ENDORSEMENT FOR LIABILITY

1. This endorsement certifies that the policy to which the endorsement is attached provides liability insurance covering bodily injury and property damage in connection with the insured's obligation to demonstrate financial responsibility under 30 TAC §37.404 (relating to Liability Requirements for Sudden and Nonsudden Accidental Occurrences). The coverage applies at:

Name and Mailing Address:	Physical Address:	Permit Number:
TM Deer Park Services LLC PO Box 1914 Deer Park, TX 77536	2525 Independence Pkwy Deer Park, TX 77536	Injection Well Permit # WDW-169, WDW-249, WDW-422 SWR No. 32299 Haz Waste Permit # 50058
TM Corpus Christi Services LLC PO Box 1914 Deer Park, TX 77536	6901 Greenwood Drive Corpus Christi, TX 78415	Injection Well Permit #WDW-070 SWR No. 83093 Haz Waste Permit # 50372

for sudden and nonsudden accidental occurrences. The limits of liability are $4,000,000 "each occurrence" and $8,000,000 "annual aggregate", exclusive of legal defense costs.

2. The insurance afforded with respect to such occurrences is subject to all of the terms and conditions of the policy; provided, however, that any provisions of the policy inconsistent with subsections (a) through (e) of this Paragraph are hereby amended to conform with subsections (a) through (e):

(a) Bankruptcy or insolvency of the insured shall not relieve the Insurer of its obligations under the policy to which this endorsement is attached.

(b) The Insurer is liable for the payment of amounts within any deductible applicable to the policy, with a right of reimbursement by the insured for any such payment made by the Insurer. This provision does not apply with respect to that amount of any deductible for which coverage is demonstrated as specified in 30 TAC §37.541 (relating to Financial Test for Liability).

(c) Whenever requested by the TCEQ executive director, the Insurer agrees to furnish to the executive director a signed duplicate original of the policy and all endorsements.

(d) Cancellation of this endorsement, whether by the Insurer, the Insured, or a parent corporation providing insurance coverage for its subsidiary, or by a firm having an insurable interest in and obtaining liability insurance on behalf of the owner or operator of the facility, will be effective only upon written notice and only after the expiration of 60 days after a copy of such written notice is received by the TCEQ executive director.

(e) Any other termination of this endorsement will be effective only upon written notice and only after the expiration of 30 days after a copy of such written notice is received by the TCEQ executive director.

Attached to and forming part of policy No ENPR2310001133-01 issued by Ascot Specialty Insurance Company, herein called the Insurer, of 55 West 46th Street, 26th Floor, New York, NY 10036 to Texas Molecular Holdings LLC on behalf of TM Deer Park Services LLC and TM Corpus Christi Services LLC of 11550 Fuqua Street, Suite 500, Houston, TX 77034 this 20th day of October, 2023. The effective date of said policy is 10/17/2023.

I hereby certify that the wording of this endorsement is identical to the wording specified in 30 TAC §37.641 as such regulation was constituted on the date first above written, and that the Insurer is licensed to transact the business of insurance, or eligible to provide insurance as an excess or surplus lines insurer, (in Texas or in one or more States).

Ted Mavraganis

October 20, 2023

Ted Mavraganis, Senior Vice President - Environmental,
Authorized Representative of Ascot Specialty Insurance Company 55
West 46th Street, 26th Floor
New York, NY 10036

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

ATTACHMENT 7.2
CLOSURE PLAN

GSI Job No. 3769

GSI ENVIRONMENTAL

ATTACHMENT VII.1
CLOSURE PLAN

RCRA Permit Renewal Application

RCRA Permit No. HW-50058-001
TM Deer Park Services Limited Partnership, Deer Park, Texas

ATTACHMENT VII.1
CLOSURE PLAN

RCRA Permit Renewal Application

RCRA Permit No. HW-50058-001
TM Deer Park Services Limited Partnership, Deer Park, Texas

TABLE OF CONTENTS

1.0 INTRODUCTION

This plan addresses the closure of hazardous waste management units at the TM Deer Park Services Limited Partnership (TMDPS) facility. Closure refers to the process of permanently removing from service a waste management unit or an entire facility. This plan has been developed to comply with the Federal (40 CFR Part 264 Subpart G) and State (30 TAC 335.8 and Subchapter F, and 30 TAC 350) requirements as well as applicable technical guidance.

The TMDPS facility includes hazardous waste treatment and storage operations conducted under the following permit and registration numbers:

TCEQ Solid Waste Registration No.	32299
TCEQ Hazardous Waste Permit No.	HW-50058-001
EPA Identification No.	TXD000719518

Units subject to this closure plan include Container Storage Areas (CSAs; i.e., permitted Storage Treatment areas), tanks, and associated containment areas (Storage Treatment areas not permitted; see Table VII.A). General closure standards applicable to all units are described in Section 2.0 of this closure plan. Procedures specific to each type of unit are described in Section 3.0.

2.0 GENERAL REQUIREMENTS

2.1 Closure Performance Standards

By implementing the closure procedures described below, individual waste management units or the entire facility will be closed in a manner that minimizes the need for care after closure and ensures that the unit(s) will not pose a future threat to human health and the environment, as required by 40 CFR 264.111.

To achieve this performance standard, closures will involve removal and disposal of wastes and waste residues from each unit, decontamination of the unit and associated equipment, and verification of decontamination. Attainment of closure standards will be documented in reports discussed further below.

2.2 Partial and Final Closures

Circumstances which may prompt closure of an individual waste management unit (i.e., partial closures) may include i) modification to facility operations; or ii) the end of the useful service life of the unit.

Final facility closure will be implemented after all individual hazardous waste management units are taken out of service. Although it is anticipated that individual unit closures will occur periodically throughout the operating life of the facility, the closure cost estimate (Section 5.0) has been based on the assumption that the maximum inventory of hazardous wastes is present at the time of facility closure.

2.3 Schedule

Operation and subsequent closure of individual permitted units will depend upon actual TMDPS waste management needs and requirements; therefore, no date has been set for the closures. An estimated schedule prepared in accordance with the time limits specified in 40 CFR 264.112, 113, 115, and TCEQ guidance is provided below. This schedule will be followed for unit closures as well as final facility closure.

Time from Final Waste Receipt	Closure Task Description
10 to 45 days prior to final waste receipt and initiation of closure activities	Provide written notice to TCEQ Region and Central Office of intent to close unit: • Unit Closure: Provide notice at least 10 days prior to closure activities [TCEQ, 2009a]. A schedule for confirmation sampling will either be included with the notice or will be submitted separately. • Final Facility Closure: Provide notice at least 45 days prior to final waste receipt [40 CFR 264.112(d)].
0 days	Discontinue receipt of hazardous waste and commence closure.
90 days	Remove and dispose of waste at authorized on-site or off-site facility [40 CFR 264.113(a)].
120 days	Complete decontamination process.
180 days	Complete closure activities [40 CFR 264.113(b)].
240 days	Submit closure certification to the TCEQ. Closure certification reports will be submitted for final facility closure [40 CFR 264.115] as well as for individual unit closures.

Although not anticipated, the closure process may require longer than the 90 day period allowed in 40 CFR Subpart G for waste inventory removal or the 180 day period allowed for completion of closure activities. If a longer period is required, an extension request will be submitted to the TCEQ.

3.0 CLOSURE PROCEDURES

3.1 Container Storage Areas

Closure of permitted CSAs will be conducted in accordance with 40 CFR 264.178, as adopted by 30 TAC 335.152(a)(7), as well as 30 TAC 350, if necessary, and appropriate technical guidance. To ensure that closures are completed in accordance with the closure plan, the activities will be supervised by TMDPS and reviewed by an independent professional engineer registered in Texas.

The overall schedule for closure is provided in Section 2.3 above. Specific steps include the following:

- *Notification:* Notification of the intent to close the unit will be submitted to the TCEQ.

- *Waste Removal and Disposal:* Hazardous wastes remaining in the unit at the time of closure will be removed and disposed in accordance with applicable regulations including Land Disposal Restrictions (LDR) referenced in 40 CFR Part 268. Visible

waste residues from secondary containment structures will be removed after all bulk or containerized wastes are removed.

Hazardous wastes may be disposed in a permitted on-site injection well. Wastes or waste residues that cannot be managed on-site will be removed from the facility by truck or rail, and will be disposed at authorized off-site facilities.

- *Decontamination:* Equipment used for removal, storage, and transport of hazardous waste during closure will be decontaminated. The wash water generated during the decontamination process will be treated and/or disposed in the on-site injection well or at another authorized facility.

- *Verification of Decontamination:* At the end of the decontamination process, rinsate samples will be collected. The samples will be analyzed and results evaluated as described in Section 4.0 below. The decontamination process will be repeated, as needed, until the verification samples meet regulatory requirements. As noted in Section 2.3 (Schedule), the TCEQ Region Office will be provided initial notice of the closure activities including verification sampling.

- *Inspection:* After closure activities are completed, the CSA will be visually inspected for evidence of contamination or cracks or gaps that could constitute pathways for release of hazardous waste or waste constituents to the environment. Facility operating records will be reviewed to determine whether releases occurred during the operating life of the unit. Evidence of a potential release will consist of records in the facility operating record or other visual evidence that a spill has occurred and has not been cleaned up in accordance with applicable regulatory or permit requirements. If evidence of a potential release is identified, TMDPS will conduct follow-up actions in accordance with 30 TAC 327 or 30 TAC 350, as appropriate.

- *Closure Certification:* A report describing the closure activities will be prepared and submitted to the TCEQ in accordance with the schedule in Section 2.3.

3.2 Tanks

Tank closures will be conducted in accordance with 40 CFR 264.197, as adopted by 30 TAC 335.152(a)(8), as well as 30 TAC 350, if necessary, and appropriate technical guidance. To ensure that closures are completed in accordance with the closure plan, the activities will be supervised by TMDPS and reviewed by an independent professional engineer registered in the State of Texas.

The overall schedule for closure is provided in Section 2.3 above. Specific steps include the following:

- *Notification:* Notification of the intent to close the unit will be submitted to the TCEQ.

- *Waste Removal and Disposal:* At the time of closure, hazardous waste receipt will be discontinued. The contents of the tank(s) and associated piping will be removed and the system flushed of remaining waste materials. Waste fluids remaining in the tanks and appurtenances will be removed for disposal either by i) pumping to a permitted on-site injection well or ii) transport to a permitted off-site disposal facility. Any waste solids collected in the tank(s) will be removed. These solids may be

i) treated on-site to meet applicable requirements of 40 CFR Part 268 and sent off-site to an authorized disposal facility, or ii) sent off-site for treatment, if necessary, and authorized disposal.

- *Decontamination:* On the basis of operating plans at the time of closure, equipment for the tank(s) will be managed in one of the following ways: i) decontamination and retention in service; ii) decontamination, demolition, and salvage; or iii) demolition and disposal. Various components of the tank system may be managed in different ways (e.g., some items may be salvaged and others disposed). The tank(s), piping, and appurtenances will be decontaminated by steam cleaning, pressure washing, or other appropriate methods. Pumps, piping, and other mechanical equipment will be flushed and salvaged or left in place. The decontamination process will typically involve a triple-rinse of the tanks and appurtenances using water or another solvent, if necessary.

  Equipment used during closure operations will be decontaminated by pressure washing, steam cleaning, or other appropriate methods.

  The rinsate generated during the decontamination process may be disposed in a permitted on-site injection well. Wastes or waste residues that cannot be managed on-site will be disposed at an authorized off-site facility. Wastes (e.g., solids) to be land disposed will be treated as necessary to meet applicable Land Disposal Restrictions per 40 CFR Part 268.

- *Verification of Decontamination:* At the end of the decontamination process, rinsate samples will be collected. The samples will be analyzed and results evaluated as described in Section 4.0 below. The decontamination process will be repeated as needed until the verification samples meet regulatory requirements. As noted in Section 2.3 (Schedule), the TCEQ Region Office will be provided initial notice of the closure activities including verification sampling.

- *Inspection:* After completion of the tank cleaning process, the tank area will be visually inspected for evidence of contamination or cracks or gaps that could constitute pathways for release of hazardous waste or waste constituents to the environment. Facility operating records will be reviewed to determine whether releases occurred during the operating life of the unit. Evidence of a potential release will consist of records in the facility operating record or other visual evidence that a spill has occurred and has not been cleaned up in accordance with applicable regulatory or permit requirements. If evidence of a potential release is identified, TMDPS will conduct follow-up actions in accordance with 30 TAC 327 or 30 TAC 350, as appropriate.

- *Closure Certification:* A report describing the closure activities will be prepared and submitted to the TCEQ in accordance with the schedule in Section 2.3.

3.3 Containment Areas

Containment areas (Storage Treatment areas) at the TMDPS facility provide secondary containment for hazardous waste management units, which may include permitted and permit-exempt units. The containment areas will be closed after all waste management activities within the areas have been discontinued and the units closed.

The closure process will follow the timeline outlined in Section 2.3. Specific steps include the following:

- *Notification:* Notification of the intent to close will be submitted to the TCEQ.

- *Decontamination:* Hard-surfaced areas will be decontaminated by steam cleaning, pressure washing, or other appropriate methods. Equipment used to clean the containment areas will also be decontaminated. The rinsate generated during the decontamination process may be disposed in a permitted on-site injection well. Wastes or waste residues that cannot be managed on-site will be disposed at an authorized off-site facility. Wastes (e.g., solids) to be land disposed will be treated as necessary to meet applicable Land Disposal Restrictions per 40 CFR Part 268.

- *Verification of Decontamination:* At the end of the decontamination process, rinsate samples will be collected. The samples will be analyzed and results evaluated as described in Section 4.0 below. The decontamination process will be repeated, as needed, until the verification samples meet regulatory requirements. As noted in Section 2.3 (Schedule), the TCEQ Region Office is provided initial notice of the closure activities including verification sampling.

- *Inspection:* After completion of the cleaning process, the area will be visually inspected for evidence of contamination or cracks or gaps that could constitute pathways for release of hazardous waste or waste constituents to the environment. Facility operating records will be reviewed to determine whether releases occurred during the operating life of the unit from unit(s) formerly situated within the containment area or from the containment area itself. Evidence of a potential release will consist of records in the facility operating record or other visual evidence that a spill has occurred and has not been cleaned up in accordance with applicable regulatory or permit requirements. If evidence of a potential release is identified, TMDPS will conduct follow-up actions in accordance with 30 TAC 327 or 30 TAC 350, as appropriate.

- *Closure Certification:* A report describing the closure activities will be prepared and submitted to the TCEQ in accordance with the schedule in Section 2.3. Reports concerning containment areas may be combined with unit-specific closure reports.

4.0 ATTAINMENT OF CLOSURE STANDARDS

Samples, such as rinsate samples, will be collected to verify whether the CSA, tank, or containment area has been adequately decontaminated during the closure process. Because of the potentially broad spectrum of wastes managed over the lifetime of a unit at TMDPS, indicator parameters have been selected to evaluate the adequacy of decontamination. Therefore, rinsate samples will be analyzed for the following: i) pH (if relevant to the material stored); ii) RCRA metals (if relevant to the material stored); and iii) Total Petroleum Hydrocarbons (TPH) by Method TX1005. TPH by Method TX1005 will be used to provide concentrations of total hydrocarbon boiling point ranges, typically between C6 and C28. These ranges correspond to TCEQ-calculated, risk-based criteria which will be used to determine whether the closure standard has been met.

Decontamination will be considered complete when no visible evidence of contamination is observed and when the results from verification sampling and analysis indicate that concentrations of applicable chemicals of concern (COCs) are below Remedy Standard A Protective Concentration Levels (PCLs) as specified in the Texas Risk Reduction Program rules (TRRP; 30 TAC 350). Institutional controls such as deed recordation will be implemented as required under TRRP in the event that concentrations of COCs are evaluated with respect to Standard A commercial/industrial PCLs, rather than residential PCLs.

5.0 CLOSURE COST ESTIMATES

5.1 Basis for Closure Cost Estimates

For the purpose of preparing financial assurance documentation, cost estimates have been prepared for CSAs, tanks, containment areas, and the Stabilization Building on the TMDPS facility (see Tables VII.B.1 through VII.B.4, respectively). Third-party unit rates for labor and equipment, transportation, waste disposal, laboratory analyses, and certification are provided on Table VII.B.5. Closure costs for all units are summarized on Table VII.E.1. Calculations and assumptions for the cost estimates are provided below.

5.2 Assumptions

In accordance with TCEQ guidance (e.g., TCEQ, 2009b and 2011a), closure costs have been estimated based on a scenario of facility abandonment at full permitted capacity (i.e., a scenario that would make closure the most expensive). This scenario assumes that no operable on-site equipment is available, all wastes are shipped and disposed off-site, and that the closure activities are conducted by a third party. Unit rates for closure activities, including labor and equipment for waste removal, transport, and disposal, have been obtained from contractors utilized by TMDPS for such work (see Table VII.B.5). Conservative assumptions used for preparing the closure cost estimates are as follows.

5.2.1 Container Storage Areas

For closure cost estimates, CSAs have been assumed to be storing the maximum permitted volume of waste at the time of closure. For most waste streams, the waste has been assumed to be present in drums which are removed from the unit for disposal off-site without removing the waste from the drums. However, for characteristic and listed sludges and solids which are stored in larger containers, the waste will be bulked into roll-off boxes prior to off-site management.

Off-site management includes the following options for wastes removed from CSAs: i) incineration, ii) injection well, iii) burning of fuels, iv) landfilling of hazardous wastes, and v) landfilling of non-hazardous wastes. The percentage of each type of waste to be disposed by each of these options at the time of facility closure was estimated by reviewing disposal practices for the past five years at TMDPS (see Table VII.B.1). The volume of decontamination rinsate to be disposed has been estimated as the volume corresponding to a depth of 0.05 ft over the entire area of the unit. Decontamination rinsate will be transported off-site for disposal in a permitted injection well.

5.2.2 Tanks

For closure cost estimates, tanks have been assumed to be storing the maximum permitted volume of waste at the time of closure. Of the waste volume in the tank, 98% is assumed to be liquid and 2% is assumed to be sludge; however, the sludge volume is assumed to be no greater than 5,000 gallons. The volume of decontamination rinsate is equal to 5% of the tank volume. Liquid tank contents and decontamination rinsate will be transported off-site for disposal in a permitted injection well and sludge will be transported off-site for stabilization and disposal in a permitted landfill.

5.2.3 Containment Areas

Wastes will have been removed from tanks within each containment area at the time of closure; therefore, no waste will need to be removed from the containment areas. Each containment area will be decontaminated by rinsing with a volume of water estimated as the volume corresponding to a depth of 0.05 ft over the entire area of the unit. Decontamination rinsate will be transported off-site for disposal in a permitted injection well.

5.2.4 Stabilization Building

Mixing tanks MT-1 and MT-2 are located within the Stabilization Building. The tanks are in-ground tanks which do not require secondary containment; however, the area surrounding the tanks within the Stabilization Building and the adjacent access area will require closure. The area will be decontaminated by rinsing with a volume of water estimated as the volume corresponding to a depth of 0.05 ft over the entire area of the Stabilization Building, exclusive of the area occupied by the tanks which will already have been closed. Decontamination rinsate will be transported off-site for disposal in a permitted injection well.

6.0 REFERENCES

TCEQ, 2009a, TRRP Compatibility with RCRA, RG-366/TRRP-03, Revised March 2009.

TCEQ, 2009b, Technical Guideline No. 10, Topic: Closure and Post-Closure Cost Estimates, Issued 12 October 1984, Revised 1 November 2004, Reviewed 9 June 2009.

TCEQ, 2011a, Closure of Waste-Management Units Subject to TRRP, RG-366/TRRP-2A, Remediation Division, July 2011.

TCEQ, 2011b, TCEQ Part B Application Form TCEQ-00376, Revised 18 August 2011.

Table VII.A. - Unit Closure

For each unit to be permitted, list the facility components to be decontaminated, the possible methods of decontamination, and the possible methods of disposal of wastes and waste residues generated during unit closure:

Container Storage Areas:

Equipment of HWM Unit	Possible Methods of Decontamination[1]	Possible Methods of Disposal[1]
Site equipment	**Steam clean, pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
Storage Treatment Area III	**Steam clean, pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
Storage Treatment Area IV	**Steam clean, pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
Storage Treatment Area VII	**Steam clean, pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
Storage Treatment Area VII A	**Steam clean, pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
Storage Treatment Area VII B	**Steam clean, pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
Storage Treatment Area IX	**Steam clean, pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
Storage Treatment Area XIV	**Steam clean, pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**

Tanks:

Equipment of HWM Unit	Possible Methods of Decontamination[1]	Possible Methods of Disposal[1]
Tank ancillary equipment	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
Tank interiors	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
Site equipment	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-3	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-4	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-5	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-6	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-7	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-8	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-16	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**

Table VII.A. - Unit Closure

Tanks (continued):

Equipment of HWM Unit	Possible Methods of Decontamination[1]	Possible Methods of Disposal[1]
T-19A	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-21	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-26	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-27	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-28	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-29	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-30	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-31	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-32	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-33	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-34	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-42	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-43	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-44	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-45	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-46	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-55	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-56	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-57	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-58	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-59	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**

Table VII.A. - Unit Closure

Tanks (continued):

Equipment of HWM Unit	Possible Methods of Decontamination[1]	Possible Methods of Disposal[1]
T-71	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-75	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-76	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-100	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-101	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-102	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-103	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-104	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-105	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-106	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-107	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-108	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-109	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-110	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-111	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-112	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-113	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-501	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
T-1301	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
MT-1	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**
MT-2	**Steam clean, Pressure wash**	**Injection Well, Stabilization/Landfill, Fuel Blend, Incineration**

Table VII.A. - Unit Closure

Containment Areas:

Equipment of HWM Unit	Possible Methods of Decontamination[1]	Possible Methods of Disposal[1]
Storage Treatment Area I	**Steam clean, Pressure wash**	**Injection Well**
Storage Treatment Area II North	**Steam clean, Pressure wash**	**Injection Well**
Storage Treatment Area II South	**Steam clean, Pressure wash**	**Injection Well**
Storage Treatment Area V	**Steam clean, Pressure wash**	**Injection Well**
Storage Treatment Area VI	**Steam clean, Pressure wash**	**Injection Well**
Storage Treatment Area VIII North	**Steam clean, Pressure wash**	**Injection Well**
Storage Treatment Area VIII South	**Steam clean, Pressure wash**	**Injection Well**
Storage Treatment Area XIII	**Steam clean, Pressure wash**	**Injection Well**
Storage Treatment Area XV	**Steam clean, Pressure wash**	**Injection Well**

Other Areas:

Equipment of HWM Unit	Possible Methods of Decontamination[1]	Possible Methods of Disposal[1]
Stabilization Building	**Steam clean, Pressure wash**	**Injection Well**

[1]Applicants may list more than one appropriate method.

Table VII.B.1 - Unit Closure Cost: Container Storage Areas

						Waste Removal and Transportation					Waste Disposal					Secondary Containment Decontamination			Certification			
Unit ID	Permit Unit No.	Permitted Capacity (gallons)	Areq (sq ft)	Decon Rinsate Volume (gallons)	Cost Factors	Characteristic Sludges & Solids: Oxidation, Stabilization & Landfill	Fuel Blending	Listed Sludges & Solids: Incineration	Non-Hazardous Liquids & Sludges: Solidification & Landfill	Hazardous Liquids: Injection Well	Characteristic Sludges & Solids: Oxidation, Stabilization & Landfill	Fuel Blending	Listed Sludges & Solids: Incineration	Non-Hazardous Liquids & Sludges: Solidification & Landfill	Hazardous Liquids: Injection Well	Triple Rinsing, Rinsate Removal, & Laboratory Analysis	Rinsate Transportation (Non-Hazardous)	Rinsate Disposal (Non-Hazardous): Injection Well	Inspection & Certification by P.E.	Unit Closure Cost	10% Contingency	Unit Closure Cost (incl. 10% Contingency)
		% of Permitted Capacity:				50% (Note 2)	20%	20% (Note 2)	5%	5%	50% (Note 2)	20%	20% (Note 2)	5%	5%	—	—	—	—	—	—	—
					Unit Rate:	$0.28/gal	$0.30/gal	$0.23/gal	$0.12/gal	$0.26/gal	$1.68/gal	$0.91/gal	$3.49/gal	$1.36/gal	$1.36/gal	$0.13/sq ft	$0.14/gal	$0.12/gal	$ 1,250	—	—	—
ST III	121	53,900	6,642	2,484	—	$ 7,546	$ 3,234	$ 2,479	$ 323	$ 701	$ 45,276	$ 9,810	$ 37,622	$ 3,665	$ 3,665	$ 863	$ 348	$ 298	$ 1,250	$ 117,080	$ 11,708	$ 128,800
ST IV	122	11,500	822	307	—	$ 1,610	$ 690	$ 529	$ 69	$ 150	$ 9,660	$ 2,093	$ 8,027	$ 782	$ 782	$ 107	$ 43	$ 37	$ 1,250	$ 25,829	$ 2,583	$ 28,400
ST VII	123	62,700	6,202	2,320	—	$ 8,778	$ 3,762	$ 2,884	$ 376	$ 815	$ 52,668	$ 11,411	$ 43,765	$ 4,264	$ 4,264	$ 806	$ 325	$ 278	$ 1,250	$ 135,646	$ 13,565	$ 149,200
ST VIIA	124	27,500	4,551	1,702	—	$ 3,850	$ 1,650	$ 1,265	$ 165	$ 358	$ 23,100	$ 5,005	$ 19,195	$ 1,870	$ 1,870	$ 592	$ 238	$ 204	$ 1,250	$ 60,612	$ 6,061	$ 66,700
ST VIIB	125	62,700	2,952	1,104	—	$ 8,778	$ 3,762	$ 2,884	$ 376	$ 815	$ 52,668	$ 11,411	$ 43,765	$ 4,264	$ 4,264	$ 384	$ 155	$ 132	$ 1,250	$ 134,908	$ 13,491	$ 148,400
ST IX	126	137,500	9,600	3,591	—	$ 36,575	$ -	$ 1,581	$ -	$ -	$ 219,450	$ -	$ 23,994	$ -	$ -	$ 1,248	$ 503	$ 431	$ 1,250	$ 285,032	$ 28,503	$ 313,500
ST XIV	130	220	2,228	833	—	$ 31	$ 13	$ 10	$ 1	$ 3	$ 185	$ 40	$ 154	$ 15	$ 15	$ 290	$ 117	$ 100	$ 1,250	$ 2,224	$ 222	$ 2,400

Notes:
1. % of Permitted Capacity: Percentage of permitted capacity to be disposed by each method. Percentages of wastes in Container Storage Areas (CSAs) have been estimated by reviewing disposal practices for the past five years at TMDPS. Percentages represent the average of each type of disposal method during the years 2008 to 2012.
2. ST IX only holds wastes without free liquids; therefore, costs for ST IX assume that, for wastes present at closure, 95% are disposed via landfill and 5% via incineration.
3. Volume of rinsate was estimated as a 0.05-ft depth over the area of the secondary containment area. Rinsate for secondary containment was assumed to be non-hazardous.
4. See Table VII.B.5 for unit rates and sources.
5. Unit closure costs have been rounded to the nearest $100.

Table VII.B.2 Unit Closure Cost: Tanks

					Waste Removal			Waste Transportation			Waste Disposal							
Unit ID	Permit Unit No.	Permitted Capacity (gallons)	Manages Listed or Characteristic Hazardous Wastes?	Cost Factors	Labor and Equipment for Waste Transfer & Loading	Labor and Equipment for Sludge Removal	Labor and Equipment for Tank Decontamination	Liquid Contents of Tank (Hazardous)	Hazardous Sludges: Characteristic or Listed	Decontaminatio n Rinsate: Non-Hazardous or Listed	Liquid Contents of Tank (Hazardous): Injection Well	Sludge Removed From Tank: Characteristic to Landfill or Listed to Incineration	Decontamination Rinsate (Hazardous): Injection Well	Laboratory Analysis (2 per unit)	Inspection and Certification by Professional Engineer	Unit Closure Cost	10% Contingency	Unit Closure Cost (incl. 10% Contingency)
			% of Tank Volume		98%	2%; max 5,000 gal	5%	98%	2%; max 5,000 gal	5%	98%	2%; max 5,000 gal	5%	—	—	—	—	—
			Unit Rate		$0.06/gal	$0.12/gal	$0.14/gal	$0.24/gal	Note 2	Note 3	$0.12/gal	Note 2	$0.12/gal	$ 109	$ 1,250	—	—	—
Active Tanks																		
T-3	1	75,544	Listed	—	$ 4,442	$ 181	$ 529	$ 17,768	$ 287	$ 907	$ 8,884	$ 5,273	$ 453	$ 218	$ 1,250	$ 40,192	$ 4,019	$ 44,200
T-4	2	75,544	Listed	—	$ 4,442	$ 181	$ 529	$ 17,768	$ 287	$ 907	$ 8,884	$ 5,273	$ 453	$ 218	$ 1,250	$ 40,192	$ 4,019	$ 44,200
T-5	3	75,544	Characteristic	—	$ 4,442	$ 181	$ 529	$ 17,768	$ 363	$ 529	$ 8,884	$ 2,538	$ 453	$ 218	$ 1,250	$ 37,155	$ 3,716	$ 40,900
T-6	4	75,544	Characteristic	—	$ 4,442	$ 181	$ 529	$ 17,768	$ 363	$ 529	$ 8,884	$ 2,538	$ 453	$ 218	$ 1,250	$ 37,155	$ 3,716	$ 40,900
T-7	5	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-8	6	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-16	8	39,693	Listed	—	$ 2,334	$ 95	$ 278	$ 9,336	$ 151	$ 476	$ 4,668	$ 2,771	$ 238	$ 218	$ 1,250	$ 21,815	$ 2,182	$ 24,000
T-19A	10	15,531	Characteristic	—	$ 913	$ 37	$ 109	$ 3,653	$ 75	$ 109	$ 1,826	$ 522	$ 93	$ 218	$ 1,250	$ 8,805	$ 881	$ 9,700
T-26	14	31,398	Listed	—	$ 1,846	$ 75	$ 220	$ 7,385	$ 119	$ 377	$ 3,692	$ 2,192	$ 188	$ 218	$ 1,250	$ 17,562	$ 1,756	$ 19,300
T-27	15	11,144	Characteristic	—	$ 655	$ 27	$ 78	$ 2,621	$ 53	$ 78	$ 1,311	$ 374	$ 67	$ 218	$ 1,250	$ 6,732	$ 673	$ 7,400
T-28	16	42,426	Listed	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 161	$ 509	$ 4,989	$ 2,961	$ 255	$ 218	$ 1,250	$ 23,216	$ 2,322	$ 25,500
T-29	17	42,426	Listed	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 161	$ 509	$ 4,989	$ 2,961	$ 255	$ 218	$ 1,250	$ 23,216	$ 2,322	$ 25,500
T-30	18	42,426	Listed	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 161	$ 509	$ 4,989	$ 2,961	$ 255	$ 218	$ 1,250	$ 23,216	$ 2,322	$ 25,500
T-31	19	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-32	20	104,658	Characteristic	—	$ 6,154	$ 251	$ 733	$ 24,616	$ 502	$ 733	$ 12,308	$ 3,517	$ 628	$ 218	$ 1,250	$ 50,910	$ 5,091	$ 56,000
T-33	21	104,658	Characteristic	—	$ 6,154	$ 251	$ 733	$ 24,616	$ 502	$ 733	$ 12,308	$ 3,517	$ 628	$ 218	$ 1,250	$ 50,910	$ 5,091	$ 56,000
T-34	22	104,658	Characteristic	—	$ 6,154	$ 251	$ 733	$ 24,616	$ 502	$ 733	$ 12,308	$ 3,517	$ 628	$ 218	$ 1,250	$ 50,910	$ 5,091	$ 56,000
T-44	29	20,123	Listed	—	$ 1,183	$ 48	$ 141	$ 4,733	$ 76	$ 241	$ 2,366	$ 1,405	$ 121	$ 218	$ 1,250	$ 11,782	$ 1,178	$ 13,000
T-45	30	19,962	Characteristic	—	$ 1,174	$ 48	$ 140	$ 4,695	$ 96	$ 140	$ 2,348	$ 671	$ 120	$ 218	$ 1,250	$ 10,900	$ 1,090	$ 12,000
T-46	31	20,293	Listed	—	$ 1,193	$ 49	$ 142	$ 4,773	$ 77	$ 244	$ 2,386	$ 1,416	$ 122	$ 218	$ 1,250	$ 11,870	$ 1,187	$ 13,100
T-56	33	104,658	Characteristic	—	$ 6,154	$ 251	$ 733	$ 24,616	$ 502	$ 733	$ 12,308	$ 3,517	$ 628	$ 218	$ 1,250	$ 50,910	$ 5,091	$ 56,000
T-57	34	22,901	Characteristic	—	$ 1,347	$ 55	$ 160	$ 5,386	$ 110	$ 160	$ 2,693	$ 769	$ 137	$ 218	$ 1,250	$ 12,285	$ 1,229	$ 13,500
T-58	35	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-59	36	104,658	Characteristic	—	$ 6,154	$ 251	$ 733	$ 24,616	$ 502	$ 733	$ 12,308	$ 3,517	$ 628	$ 218	$ 1,250	$ 50,910	$ 5,091	$ 56,000
T-100	44	42,426	Listed	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 161	$ 509	$ 4,989	$ 2,961	$ 255	$ 218	$ 1,250	$ 23,216	$ 2,322	$ 25,500
T-101	45	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-102	46	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-103	47	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-104	48	104,658	Characteristic	—	$ 6,154	$ 251	$ 733	$ 24,616	$ 502	$ 733	$ 12,308	$ 3,517	$ 628	$ 218	$ 1,250	$ 50,910	$ 5,091	$ 56,000
T-105	49	42,426	Listed	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 161	$ 509	$ 4,989	$ 2,961	$ 255	$ 218	$ 1,250	$ 23,216	$ 2,322	$ 25,500
T-106	50	42,426	Listed	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 161	$ 509	$ 4,989	$ 2,961	$ 255	$ 218	$ 1,250	$ 23,216	$ 2,322	$ 25,500
T-107	51	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-108	52	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-109	53	104,658	Characteristic	—	$ 6,154	$ 251	$ 733	$ 24,616	$ 502	$ 733	$ 12,308	$ 3,517	$ 628	$ 218	$ 1,250	$ 50,910	$ 5,091	$ 56,000
T-110	54	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-111	55	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-112	56	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-113	57	42,426	Characteristic	—	$ 2,495	$ 102	$ 297	$ 9,979	$ 204	$ 297	$ 4,989	$ 1,426	$ 255	$ 218	$ 1,250	$ 21,512	$ 2,151	$ 23,700
T-501	177	4,800	Characteristic	—	$ 282	$ 12	$ 34	$ 1,129	$ 23	$ 34	$ 564	$ 161	$ 29	$ 218	$ 1,250	$ 3,736	$ 374	$ 4,100
T-1301	143	15,400	Listed	—	$ 906	$ 37	$ 108	$ 3,622	$ 59	$ 185	$ 1,811	$ 1,075	$ 92	$ 218	$ 1,250	$ 9,363	$ 936	$ 10,300
MT-1	175	9,690	Characteristic	—	$ 570	$ 23	$ 68	$ 2,279	$ 47	$ 68	$ 1,140	$ 326	$ 58	$ 218	$ 1,250	$ 6,047	$ 605	$ 6,700
MT-2	176	9,690	Characteristic	—	$ 570	$ 23	$ 68	$ 2,279	$ 47	$ 68	$ 1,140	$ 326	$ 58	$ 218	$ 1,250	$ 6,047	$ 605	$ 6,700

Table VII.B.2 Unit Closure Cost: Tanks

					Waste Removal			Waste Transportation			Waste Disposal							
Unit ID	Permit Unit No.	Permitted Capacity (gallons)	Manages Listed or Characteristic Hazardous Wastes?	Cost Factors	Labor and Equipment for Waste Transfer & Loading	Labor and Equipment for Sludge Removal	Labor and Equipment for Tank Decontamination	Liquid Contents of Tank (Hazardous)	Hazardous Sludges: Characteristic or Listed	Decontaminatio n Rinsate: Non-Hazardous or Listed	Liquid Contents of Tank (Hazardous): Injection Well	Sludge Removed From Tank: Characteristic to Landfill or Listed to Incineration	Decontamination Rinsate (Hazardous): Injection Well	Laboratory Analysis (2 per unit)	Inspection and Certification by Professional Engineer	Unit Closure Cost	10% Contingency	Unit Closure Cost (incl. 10% Contingency)
			% of Tank Volume		98%	2%; max 5,000 gal	5%	98%	2%; max 5,000 gal	5%	98%	2%; max 5,000 gal	5%	—	—	—	—	—
			Unit Rate		$0.06/gal	$0.12/gal	$0.14/gal	$0.24/gal	Note 2	Note 3	$0.12/gal	Note 2	$0.12/gal	$ 109	$ 1,250	—	—	—
Proposed Tanks																		
T-21	12	30,439	Characteristic	—	$ 1,790	$ 73	$ 213	$ 7,159	$ 146	$ 213	$ 3,580	$ 1,023	$ 183	$ 218	$ 1,250	$ 15,848	$ 1,585	$ 17,400
T-42	27	20,123	Characteristic	—	$ 1,183	$ 48	$ 141	$ 4,733	$ 97	$ 141	$ 2,366	$ 676	$ 121	$ 218	$ 1,250	$ 10,974	$ 1,097	$ 12,100
T-43	28	20,123	Characteristic	—	$ 1,183	$ 48	$ 141	$ 4,733	$ 97	$ 141	$ 2,366	$ 676	$ 121	$ 218	$ 1,250	$ 10,974	$ 1,097	$ 12,100
T-55	32	30,879	Characteristic	—	$ 1,816	$ 74	$ 216	$ 7,263	$ 148	$ 216	$ 3,631	$ 1,038	$ 185	$ 218	$ 1,250	$ 16,055	$ 1,606	$ 17,700
T-71	38	30,879	Characteristic	—	$ 1,816	$ 74	$ 216	$ 7,263	$ 148	$ 216	$ 3,631	$ 1,038	$ 185	$ 218	$ 1,250	$ 16,055	$ 1,606	$ 17,700
T-75	42	650	Characteristic	—	$ 38	$ 2	$ 5	$ 153	$ 3	$ 5	$ 76	$ 22	$ 4	$ 218	$ 1,250	$ 1,776	$ 178	$ 2,000
T-76	43	650	Characteristic	—	$ 38	$ 2	$ 5	$ 153	$ 3	$ 5	$ 76	$ 22	$ 4	$ 218	$ 1,250	$ 1,776	$ 178	$ 2,000

Notes:
1. See Table VII.B.5 for unit rates and sources.
2. Costs vary depending on whether tank manages listed or characteristically hazardous waste. See Table VII.B.5.
3. Decontamination rinsate from tanks managing characteristic waste assumed to be non-hazardous. Decontamination rinsate from tanks managing listed wastes assumed to be listed.
4. Unit closure costs have been rounded to the nearest $100.

Table VII.B.3 - Unit Closure Cost: Secondary Containment Areas

Unit ID	Permit Unit No.	Permitted Capacity (gallons)	Area (sq ft)	Decontamination Rinsate Volume (gallons)	Cost Factors	Decontamination and Waste Disposal: Triple Rinsing, Rinsate Removal, & Laboratory Analysis	Decontamination and Waste Disposal: Rinsate Transportation (Non-Hazardous)	Decontamination and Waste Disposal: Rinsate Disposal: Injection Well	Decontamination and Waste Disposal: Inspection and Certification by P.E.	Unit Closure Cost	10% Contingency	Unit Closure Cost (incl. 10% Contingency)
					Unit Rate	$0.13/sq ft	$0.14/gal	$0.12/gal	$ 1,250	—	—	—
Active Secondary Containments												
ST I	NA	NA	7,971	2,981	—	$ 1,036	$ 417	$ 358	$ 1,250	$ 3,061	$ 306	$ 3,400
ST IIN	NA	NA	5,220	1,952	—	$ 679	$ 273	$ 234	$ 1,250	$ 2,436	$ 244	$ 2,700
ST IIS	NA	NA	1,909	714	—	$ 248	$ 100	$ 86	$ 1,250	$ 1,684	$ 168	$ 1,900
ST V	NA	NA	510	191	—	$ 66	$ 27	$ 23	$ 1,250	$ 1,366	$ 137	$ 1,500
ST VI	NA	NA	3,452	1,291	—	$ 449	$ 181	$ 155	$ 1,250	$ 2,035	$ 204	$ 2,200
ST VIIIN	NA	NA	4,259	1,593	—	$ 554	$ 223	$ 191	$ 1,250	$ 2,218	$ 222	$ 2,400
ST VIIIS	NA	NA	3,328	1,245	—	$ 433	$ 174	$ 149	$ 1,250	$ 2,006	$ 201	$ 2,200
ST XIII	NA	NA	972	364	—	$ 126	$ 51	$ 44	$ 1,250	$ 1,471	$ 147	$ 1,600
ST XV	NA	NA	6,194	2,317	—	$ 805	$ 324	$ 278	$ 1,250	$ 2,657	$ 266	$ 2,900

Notes:

1. Volume of rinsate was estimated as a 0.05-ft depth over the area of the ST.
2. Costs for removal and subsequent management and disposal of wastes contained in permitted tanks are provided on Table VII.B.2.
3. ST XV is not permitted as a Container Storage Area, but only serves as secondary containment for proposed Tank T-1500. Therefore, only closure of the concrete containment area is required. Rinsate was assumed to be non-hazardous.
4. See Table VII.B.5 for unit rates and sources. Note that the unit costs have not changed from the original submittal (21 November 2012).
5. Unit closure costs have been rounded to the nearest $100.
6. NA = Not applicable.

Table VII.B.4 - Unit Closure Cost: Stabilization Building

Unit ID	Permit Unit No.	Permitted Capacity (gallons)	Area (sq ft)	Decontamination Rinsate Volume (gallons)	Cost Factors	Waste Disposal: Triple Rinsing, Rinsate Removal, & Laboratory Analysis	Waste Disposal: Rinsate Transportation	Waste Disposal: Rinsate Disposal: Injection Well	Waste Disposal: Inspection and Certification by P.E.	Unit Closure Cost	10% Contingency	Unit Closure Cost (incl. 10% Contingency)
					Unit Rate	$0.13/sq ft	$0.24/gal	$0.12/gal	$ 1,250	—	—	—
Stabilization Building	NA	NA	3,154	$ 1,180		$ 410	$ 283	$ 142	$ 1,250	$ 2,085	$ 209	$ 2,300

Notes:

1. Volume of rinsate was estimated as a 0.05-ft depth over the area of the Stabilization Building, less the area of the two in-ground Tanks MT-1 andMT-2, each of which has dimensions of 11 ft by 18 ft.
2. Costs for removal and subsequent management and disposal of wastes contained in permitted tanks are provided on Table VII.B.2.
3. The Stabilization Building is not a permitted unit but only serves as the location for Tanks MT-1 and MT-2. Therefore, for the Stabilization Building, only closure of the concrete floor of the building is required. Rinsate was assumed to be hazardous waste.
4. See Table VII.B.5 for unit rates and sources.
5. Unit closure costs have been rounded to the nearest $100.

Table VII.B.5 Closure Cost Estimate: Unit Rates

	Cost for Closure Estimate		Quote from Vendor		Reference		
	Unit Cost	Unit	Unit Cost	Unit	Company	Contact	Telephone
1. Container Storage Areas							
Waste Removal and Transportation							
Characteristic sludges & solids: oxidation, stabilization, & landfill	$ 0.28	gal					
Waste removal and bulking to roll-off box	$ 0.04	gal	$ 0.04	gal	Chem Clean Resources	Steve Sams	713-213-2451
Waste transportation	$ 0.24	gal	$ 1,200	25-cu yd roll-off	SWS	Charles Crawford	281-452-1735
Fuel blending	$ 0.30	gal	$ 1,485	90-drum load	Rineco	Tammy Brasher	800-377-4692
Listed sludges and solids: incineration	$ 0.23	gal					
Waste removal and bulking to roll-off box	$ 0.04	gal	$ 0.04	gal	Chem Clean Resources	Steve Sams	713-213-2451
Waste transportation	$ 0.19	gal	$ 945	25-cu yd roll-off	SWS	Charles Crawford	281-452-1735
Non-hazardous liquids and sludges: solidification and landfill	$ 0.12	gal	$ 575	90-drum load	SWS	Charles Crawford	281-452-1735
Hazardous liquids: injection well	$ 0.26	gal	$ 1,300	90-drum load	SWS	Charles Crawford	281-452-1735
Waste Disposal							
Characteristic sludges and solids: oxidation, stabilization, & landfill	$ 1.68	gal	$ 338	ton	US Ecology Texas	Kevin Wittmer	502-599-1717
Fuel blending	$ 0.91	gal	$ 50	drum	Rineco	Tammy Brasher	800-377-4692
Listed solids and sludges: incineration	$ 3.49	gal	$ 0.35	lb	Veolia	Carson Jarnagin	281-216-0000
Non-hazardous liquids and sludges: solidification and landfill	$ 1.36	gal	$ 75	drum	WM-Coastal Plains	Susie Cutaia	713-423-1823
Hazardous liquids: injection well	$ 1.36	gal	$ 75	drum	TM Corpus Christi	Frank Marine	281-930-2598
Secondary Containment Decontamination							
Triple rinsing, rinsate removal, and laboratory analysis	$ 0.13	sq ft	$ 0.13	sq ft	Alpha Technical Services	Mike Howerton	713-626-5000
Rinsate transportation (non-hazardous)	$ 0.14	gal	$ 700	5000-gal load	SWS	Charles Crawford	281-452-1735
Rinsate disposal (non-hazardous): injection well	$ 0.12	gal	$ 0.12	gal	New Park	Dean Lewis	409-794-3119
2. Tanks							
Waste Removal							
Labor and equipment for waste transfer and loading	$ 0.06	gal	$ 0.06	gal	Chem Clean Resources	Steve Sams	713-213-2451
Labor and equipment for sludge removal	$ 0.12	gal	$ 0.12	gal	Chem Clean Resources	Steve Sams	713-213-2451
Labor and equipment for tank decontamination	$ 0.14	gal	$ 0.14	gal	Chem Clean Resources	Steve Sams	713-213-2451
Waste transportation							
Transportation of liquid contents of tank (hazardous): injection well	$ 0.24	gal	$ 1,200	5000-gal load	SWS	Charles Crawford	281-452-1735
Transportation of hazardous sludges							
Characteristically Hazardous	$ 0.24	gal	$ 1,200	5000-gal load	SWS	Charles Crawford	281-452-1735
Listed Hazardous	$ 0.19	gal	$ 945	5000-gal load	SWS	Charles Crawford	281-452-1735
Transportation of decontamination rinsate							
Non-Hazardous	$ 0.14	gal	$ 700	5000-gal load	SWS	Charles Crawford	281-452-1735
Listed Hazardous	$ 0.24	gal	$ 1,200	5000-gal load	SWS	Charles Crawford	281-452-1735
Waste disposal							
Liquid contents of tank (hazardous): injection well	$ 0.12	gal	$ 0.12	gal	TM Corpus Christi	Frank Marine	281-930-2598
Sludge removed from tank							
Characteristic sludges and solids: oxidation, stabilization, & landfill	$ 1.68	gal	$ 338	ton	US Ecology Texas	Kevin Wittmer	502-599-1717
Listed sludges	$ 3.49	gal	$ 0.35	lb	Veolia	Carson Jarnagin	281-216-0000
Decontamination rinsate (non-hazardous): injection well	$ 0.12	gal	$ 0.12	gal	New Park	Dean Lewis	409-794-3119
3. Containment Areas							
Concrete Decontamination							
Triple rinsing, rinsate transportation, and laboratory analysis	$ 0.13	sq ft	$ 0.13	sq ft	Alpha Technical Services	Mike Howerton	713-626-5000
Rinsate transportation (non-hazardous)	$ 0.14	gal	$ 700	5000-gal load	SWS	Charles Crawford	281-452-1735
Rinsate disposal (non-hazardous): injection well	$ 0.12	gal	$ 0.12	gal	New Park	Dean Lewis	409-794-3119

Table VII.B.5 Closure Cost Estimate: Unit Rates

	Cost for Closure Estimate		Quote from Vendor		Reference		
	Unit Cost	Unit	Unit Cost	Unit	Company	Contact	Telephone
4. Stabilization Building							
Concrete Decontamination							
Triple rinsing, rinsate transportation, and laboratory analysis	$ 0.13	sq ft	$ 0.13	sq ft	Alpha Technical Services	Mike Howerton	713-626-5000
Rinsate transportation (listed hazardous)	$ 0.24	gal	$ 1,200	5000-gal load	SWS	Charles Crawford	281-452-1735
Rinsate disposal (hazardous): injection well	$ 0.12	gal	$ 0.12	gal	TM Corpus Christi	Frank Marine	281-930-2598
5. General Costs							
Laboratory Analysis	$ 109	analysis	$ 109	analysis	Typical cost	—	—
Inspection and certification by a professional engineer (note 2)	$ 1,250	certification	$ 1,250	certification	Typical cost	—	—

Notes:
1. Containers of characteristic and/or listed sludges and solids are principally comprised of filter cake from on-site waste treatment having an approximate density of 1.2 g/mL.
2. For disposal of sludges removed from tanks, the cost per gallon was calculated using a density of 1.2 g/mL.
3. Inspection and certification assumes all Container Storage Areas, tanks, containment areas, and Stabilization Building are closed at the same time, allowing for economies of scale in certifications. The unit rate of $1,250 per closure corresponds to a total of $85,000 for all closures.

Table VII.C.5. - Land-Based Units Closed Under Interim Status

Not applicable; no land-based units.

N.O.R. Unit #	Unit Description[1,2]	Date of Receipt of Last Waste[3]	Date of Closure Certification[3]

[1]Indicates a unit for which a 40 CFR 264 closure equivalency determination has been requested pursuant to 40 CFR 270.1(c)(5).

[2]Indicates a unit for which a 40 CFR 264 closure equivalency determination has been made pursuant to 40 CFR 270.1(c)(6).

[3]Give month, day, and year.

Table VII.D. - Unit Post-Closure Cost Estimate

Not applicable; no post-closure or contingent post-closure care required.

Task	Cost
subtotal	
Contingency (10% minimum)	
Total Unit Post-Closure Care Cost x 30 yrs. (or other post-closure care period)	
subtotal	
Contingency (10% minimum)	
Total Unit Post-Closure Care Cost x 30 yrs. ***(or other post-closure care period)***	

Total Permitted Facility Post-Closure Cost ***(all unit costs combined)***	**Not Applicable**

Table VII.E.1 - Permitted Unit Closure Cost Summary

Existing Unit Closure Cost Estimate		
Unit	**Permit Unit No.**	**Cost[2]**
Container Storage Areas		
Container Storage Area STA III	121	$128,800
Container Storage Area STA IV	122	$28,400
Container Storage Area STA VII	123	$149,200
Container Storage Area STA VIIA	124	$66,700
Container Storage Area STA VIIB	125	$148,400
Container Storage Area STA IX	126	$313,500
Container Storage Area STA XIV	130	$2,400
Tanks		
Tank T-3	1	$44,200
Tank T-4	2	$44,200
Tank T-5	3	$40,900
Tank T-6	4	$40,900
Tank T-7	5	$23,700
Tank T-8	6	$23,700
Tank T-16	8	$24,000
Tank T-19A	10	$9,700
Tank T-26	14	$19,300
Tank T-27	15	$7,400
Tank T-28	16	$25,500
Tank T-29	17	$25,500
Tank T-30	18	$25,500
Tank T-31	19	$23,700
Tank T-32	20	$56,000
Tank T-33	21	$56,000
Tank T-34	22	$56,000
Tank T-44	29	$13,000
Tank T-45	30	$12,000
Tank T-46	31	$13,100
Tank T-56	33	$56,000
Tank T-57	34	$13,500
Tank T-58	35	$23,700
Tank T-59	36	$56,000
Tank T-100	44	$25,500
Tank T-101	45	$23,700
Tank T-102	46	$23,700
Tank T-103	47	$23,700
Tank T-104	48	$56,000
Tank T-105	49	$25,500
Tank T-106	50	$25,500
Tank T-107	51	$23,700
Tank T-108	52	$23,700

Table VII.E.1 - Permitted Unit Closure Cost Summary

Existing Unit Closure Cost Estimate		
Unit	**Permit Unit No.**	**Cost[2]**
Tanks (continued)		
Tank T-109	53	$56,000
Tank T-110	54	$23,700
Tank T-111	55	$23,700
Tank T-112	56	$23,700
Tank T-113	57	$23,700
Tank T-501	142	$4,100
Tank T-1301	9	$10,300
Tank MT-1	140	$6,700
Tank MT-2	141	$6,700
Secondary Containment		
Secondary Containment Area STA I	NA	$3,400
Secondary Containment Area STA IIN	NA	$2,700
Secondary Containment Area STA IIS	NA	$1,900
Secondary Containment Area STA V	NA	$1,500
Secondary Containment Area STA VI	NA	$2,200
Secondary Containment Area STA VIIIN	NA	$2,400
Secondary Containment Area STA VIIIS	NA	$2,200
Secondary Containment Area STA XIII	NA	$1,600
Secondary Containment Area ST XV	NA	$2,900
Stabilization Building	NA	$2,300
Total Existing Unit Closure Cost Estimate		$2,250,243 (2019 dollars)[1]

Proposed Unit Closure Cost Estimate		
Unit	**Permit Unit No.**	**Cost[2]**
Tanks		
Tank T-21	12	$17,400
Tank T-42	27	$12,100
Tank T-43	28	$12,100
Tank T-55	32	$17,700
Tank T-71	38	$17,700
Tank T-75	42	$2,000
Tank T-76	43	$2,000
Total Proposed Unit Closure Cost Estimate		$90,072 (2019 dollars)[1]

[1] As units are added or deleted from these tables through future permit amendments or modifications, the remaining itemized unit costs should be updated for inflation when re-calculating the revised total cost in current dollars.

[2] Closure costs for individual permitted and proposed units are presented in 2012 dollars; however, the total closure cost estimates have been updated to 2019 dollars using the "Most Recent Annual Inflation Factors" published by TCEQ at https://www.tceq.texas.gov/adminservices/financial-assurance/revenue/annual_inflation_factors.html.

Table VII.E.2. - Permitted Unit Post-Closure Cost Summary

Not applicable, no post-closure or contingent post-closure care required.

Existing Unit Post-Closure Cost Estimate	
Unit	Cost
Total Existing Unit Post-Closure Cost Estimate	(in 201x Dollars)[1]

Proposed Unit Post-Closure Cost Estimate	
Unit	Cost

[1]As units are added or deleted from these tables through future permit amendments or modifications, the remaining itemized unit costs should be updated for inflation when re-calculating the revised total cost in current dollars.

TM DEER PARK SERVICES LLC
AUDIT HANDBOOK

ATTACHMENT 7.3
FINANCIAL ASSURANCE

March 27, 2023

Executive Director
Texas Commission on Environmental Quality
Attn: Mark Stoebner, MC-184
P.O. Box 13087
Austin, TX 78711-3087

Re: Surety Bond Guaranteeing Performance No. SUR0041434
TM Deer Park Services LLC

Dear Mr. Stoebner:

This letter is being provided to the TCEQ to fulfill the requirements of 30 TAC §37.221(a). Please find attached a new Surety Bond with effective date of March 22, 2023. The surety bond was requested to increase funds adjusted for an inflationary increase of 7.0% to adjust to 2023 dollars.

Issuing Institution: Argonaut Insurance Company
Surety's Bond No: SUR0041434
Date: October 22, 2018
Facilities covered by the subject Surety Bond are as follows:

RCRA Facility Permit

TM Deer Park Services LLC
SWR No. 32299
Permit No. 50058
Facility Address: 2525 Independence Pkwy S, Deer Park, Texas 77536
Mailing Address: P.O. Box 1914, Deer Park, Texas 77536

The amount of funds assured by the subject Surety Bond for the above RCRA facility for closure costs is $2,538,993.

Underground Injection Control (UIC) Permits

TM Deer Park Services LLC
Permit Nos. WDW-169, WDW-249, and WDW-422
Facility Address: 2525 Independence Pkwy S, Deer Park, Texas 77536
Mailing Address: P.O. Box 1914, Deer Park, Texas 77536

The amount of funds assured by the subject Surety Bond for the above UIC facilities for closure/post-closure costs is $1,608,919.

The total of all cost estimates listed above that are guaranteed by the subject Surety Bond is $4,147,911.

If you have any questions, do not hesitate to contact me at 281-930-2593 or Mr. David Agnew at 409-422-8712.

Sincerely,

Christina Perez
Director – EHS

Enclosure

SURETY BOND RIDER

To be attached and form a part of

Type of Bond: PERFORMANCE BOND

Bond No.: SUR0041434

Dated effective: 10/22/2018
(MONTH, DAY, YEAR)

executed by: TM DEER PARK SERVICES LLC, **as Principal,**
(PRINCIPAL)

and by: ARGONAUT INSURANCE COMPANY, **as Surety,**
(SURETY)

and in favor of: TEXAS COMMISSION ON ENVIRONMENTAL QUALITY.
(OBLIGEE)

In consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

INFORMATION	FROM	TO
Permit number, name, physical and mailing addresses, and closure, post closure, or corrective action amounts(s) for each facility guaranteed by this bond (indicate closure, post closure, or corrective action amounts separately for each	WDW No. 169, Closure/Post-Closure: $358,919.00 WDW No. 249, Closure/Post Closure: $378,205.00 WDW No. 422, Closure/Post Closure: $378,205.00 SWR No. 32299, Closure: $2,370,613.00 Total penal sum of bond: $3,485,942.00	WDW No. 169, Closure/Post-Closure: $519,165.00 WDW No. 249, Closure/Post Closure: $547,851.00 WDW No. 422, Closure/Post Closure: $541,903.00 SWR No. 32299, Closure: $2,538,993.00 Total penal sum of bond: $4,147,911.00

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective 03/22/2023
(MONTH, DAY, YEAR)

Signed and Sealed 03/22/2023
(MONTH, DAY, YEAR)

TM DEER PARK SERVICES LLC
PRINCIPAL

BY: _____ KRIS TERRELL CFO

ARGONAUT INSURANCE COMPANY
SURETY

BY: _____
Kristin Darling, ATTORNEY-IN-FACT

Argonaut Insurance Company
Deliveries Only: 225 W. Washington, 24th Floor
Chicago, IL 60606
United States Postal Service: P.O. Box 469011, San Antonio, TX 78246
POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the Argonaut Insurance Company, a Corporation duly organized and existing under the laws of the State of Illinois and having its principal office in the County of Cook, Illinois does hereby nominate, constitute and appoint:

R. F. Bobo, Timothy F. Kelly, Florence McClellan, Dan Burton, Teresa D. Kelly, Craig Payne, Kristin Darling, Aaron P. Clark, Rachel Richardson, Laura Kneitz

Their true and lawful agent(s) and attorney(s)-in-fact, each in their separate capacity if more than one is named above, to make, execute, seal and deliver for and on its behalf as surety, and as its act and deed any and all bonds, contracts, agreements of indemnity and other undertakings in suretyship provided, however, that the penal sum of any one such instrument executed hereunder shall not exceed the sum of:

$97,550,000.00

This Power of Attorney is granted and is signed and sealed under and by the authority of the following Resolution adopted by the Board of Directors of Argonaut Insurance Company:

"RESOLVED, That the President, Senior Vice President, Vice President, Assistant Vice President, Secretary, Treasurer and each of them hereby is authorized to execute powers of attorney, and such authority can be executed by use of facsimile signature, which may be attested or acknowledged by any officer or attorney, of the Company, qualifying the attorney or attorneys named in the given power of attorney, to execute in behalf of, and acknowledge as the act and deed of the Argonaut Insurance Company, all bond undertakings and contracts of suretyship, and to affix the corporate seal thereto."

IN WITNESS WHEREOF, Argonaut Insurance Company has caused its official seal to be hereunto affixed and these presents to be signed by its duly authorized officer on the 19th day of November, 2021.

Argonaut Insurance Company

ARGONAUT INSURANCE COMPANY CORPORATE SEAL 1948 ILLINOIS

by: _____

Gary E. Grose, President

STATE OF TEXAS
COUNTY OF HARRIS SS:

On this 19th day of November, 2021 A.D., before me, a Notary Public of the State of Texas, in and for the County of Harris, duly commissioned and qualified, came THE ABOVE OFFICER OF THE COMPANY, to me personally known to be the individual and officer described in, and who executed the preceding instrument, and he acknowledged the execution of same, and being by me duly sworn, deposed and said that he is the officer of the said Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and the said Corporate Seal and his signature as officer were duly affixed and subscribed to the said instrument by the authority and direction of the said corporation, and that Resolution adopted by the Board of Directors of said Company, referred to in the preceding instrument is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand, and affixed my Official Seal at the County of Harris, the day and year first above written.

KATHLEEN M MEEKS
NOTARY PUBLIC
STATE OF TEXAS
MY COMM. EXP. 07/15/25
NOTARY ID 557902-8

Kathleen M. Meeks

(Notary Public)

I, the undersigned Officer of the Argonaut Insurance Company, Illinois Corporation, do hereby certify that the original POWER OF ATTORNEY of which the foregoing is a full, true and correct copy is still in full force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand, and affixed the Seal of said Company, on the 22nd day of March, 2023.

ARGONAUT INSURANCE COMPANY CORPORATE SEAL 1948 ILLINOIS

Austin W. King, Secretary

IF YOU HAVE QUESTIONS ON AUTHENTICITY OF THIS DOCUMENT CALL (833) 820 - 9137.