



Department of Toxic Substances Control

Hazardous Waste Management Program
Permitting Division

RCRA EQUIVALENT HAZARDOUS WASTE FACILITY PERMIT

FACILITY NAME / ADDRESS:

Chemical Waste Management, Inc.
Kettleman Hills Facility

35251 Old Skyline Road
Kettleman City, CA 93239

OWNER NAME:

Chemical Waste Management, Inc.
Kettleman Hills Facility

OPERATOR NAME:

Chemical Waste Management, Inc.
Kettleman Hills Facility

PERMIT NUMBER: [20XX/XX-HWM-XXX]

EPA ID NUMBER: CAT 000 646 117

FIRST ISSUE DATE: [Month XX, 20XX]

EFFECTIVE DATE: [Month XX, 20XX]

EXPIRATION DATE: [Month XX, 20XX]

The Department of Toxic Substances Control (DTSC) hereby issues this Resource Conservation and Recovery Act (RCRA) equivalent Hazardous Waste Facility Permit (hereafter referred to as "Permit") pursuant to the authority provided by California Health and Safety Code section 25200. As of the effective date, this Permit modifies and replaces any prior Permit with the same permit number.

This Permit, and Attachment "A" to the Permit dated April 3, 2024, are 3 and 55 pages in length, respectively. This Permit incorporates, by reference, the Part "A" and Part "B" Permit Application dated October 6, 2023 and April 13, 2023, respectively.

In the event of conflicts between this Permit and the Application, this Permit takes precedence.

Muzhda Ferouz P.E.
Branch Chief
Permitting Division
Hazardous Waste Management Program

Date

PERMIT MODIFICATION SUMMARY

The following table summarizes the modification history of this Permit. Each time the Permit is modified a new row is added to the table. A description of the contents of each column of the table is found below the table.

[Do not merge or split any of the cells when updating the following tables to maintain its' accessibility structure]

Rev.	Attachment "A"	Part A Application	Part B Application	Modification Requested	Modification Class	Permit Signed	Permit Effective
0	[XX/XX/XX]			NA	NA		

Column Header

Rev.
 Attachment "A"
 Part A Application
 Part B Application
 Modification Requested
 Modification Class

Description

The permit revision number (beginning at zero for a new permit).
 The date of Attachment "A" to the permit.
 The date of the Part A permit application.
 The date of the Part B permit application.
 The date that a permit modification was requested.
 The classification of the permit modification (i.e. Class 1, Class 1*, Class 2, Class 3, or Other).
 The date that the modified permit was signed.
 The date that the terms and conditions of the permit, as modified, take effect.

RCRA Equivalent - Hazardous Waste Facility Permit
Chemical Waste Management, Inc. – Kettleman Hills Facility, EPA ID: CAT 000 646 117
Permit No.: [20XX/XX-HWM-XXX]
April 3, 2024

PERMIT MODIFICATION DESCRIPTION

The following section provides a brief narrative description of the revision history of this Permit.

Permit Modification 1 Description:

Reserved.

**ATTACHMENT “A”
to the
RCRA EQUIVALENT
HAZARDOUS WASTE FACILITY PERMIT**

FACILITY NAME:

Chemical Waste Management, Inc.

Kettleman Hills Facility

FACILITY ADDRESS:

35251 Old Skyline Road

Kettleman City, CA 93239

EPA ID NUMBER: CAT 000 646 117

PERMIT NUMBER: [20XX/XX-HWM-XXX]

DOCUMENT DATE: April 3, 2024

The Department of Toxic Substances Control (DTSC) prepared this document as an attachment to the Hazardous Waste Facility Permit (hereafter referred to as “Permit”) with the indicated permit number. Prior to relying on this document, the reader should confirm that it is the version of Attachment “A” that is identified by date in the current Permit. A copy of the current Permit can be obtained by contacting DTSC, or may be accessed directly from DTSC’s EnviroStor database (www.envirostor.dtsc.ca.gov).

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PART I. DEFINITIONS

All terms used in the Permit shall have the same meaning as those terms have in the California Health and Safety Code, division 20, chapter 6.5, and California Code of Regulations, title 22, division 4.5, unless expressly provided otherwise by this Permit.

1. **“DTSC”** as used in this Permit means the California Department of Toxic Substances Control.
2. **“Facility”** as used in this Permit means all contiguous land and structures, other appurtenances, and improvements on the land used for the treatment, transfer, storage, resource recovery, disposal, or recycling of hazardous waste. A hazardous waste facility may consist of one or more treatment, transfer, storage, resource recovery, disposal, or recycling operational units or combinations of these units.
 - a. For the purpose of implementing corrective action under California Code of Regulations, title 22, division 4.5, a hazardous waste facility includes all contiguous property under the control of the owner or operator required to implement corrective action.
3. **“Permittee”** as used in this Permit means the Owner and Operator.
4. **“Permit Application”** as used in this Permit means the Part A Permit Application, and the Part B Permit Application (operation plan), submitted by the Permittee and identified by title and date on the cover page of the Permit.
5. **“RCRA”** as used in this Permit means the Resource Conservation and Recovery Act (42 U.S.C. §6901 et seq.).
6. **“PCB”** as used in this permit means polychlorinated biphenyls.
7. **“VOC”** as used in this permit means Volatile Organic Compounds.
8. **“Waste Stream”** is a single waste profile from a specific generator.
9. **“Treatment Mix”** is the smallest subset of a treatment.
10. **“Treatment Load”** is one or more treatment mixes of a single waste stream, from a specific treatment unit, within a single truck.
11. **“Treatment Batch”** is waste from an individual waste stream treated in a specific unit within a 24-hour period.
12. **“In light material service”** means the container is used to manage a material for which both of the following conditions apply: The vapor pressure of one or more of the organic constituents in the material is greater than 0.3 kilopascals (kPa) at 20 deg. C; and the total concentration of the pure organic constituents having a vapor pressure greater than 0.3 kPa at 20 deg. C is equal to or greater than 20 percent by weight.

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13. **“Tier 1 waste streams”** as used in this permit means any waste streams that are subject to the Tier 1 Post Treatment testing as detailed in Section 12.2.2.3 of the Operation Plan.
14. **“Tier 2 waste streams”** as used in this permit means any waste streams that are subject to the Tier 2 Post Treatment testing as detailed in Section 12.2.2.3 of the Operation Plan.

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PART II. DESCRIPTION OF FACILITY AND OWNERSHIP

1. OWNER OF FACILITY

Chemical Waste Management, Inc.
35251 Old Skyline Road
Kettleman City, California 93239

2. OWNER OF REAL PROPERTY

Chemical Waste Management, Inc.
35251 Old Skyline Road
Kettleman City, California 93239

3. OPERATOR OF FACILITY

Chemical Waste Management, Inc.
35251 Old Skyline Road
Kettleman City, California 93239

4. LOCATION

The Chemical Waste Management, Inc., Kettleman Hills Facility (Facility) is located in western Kings County, California, in the Kettleman Hills which borders the west side of the San Joaquin Valley, approximately 2.6 miles west of the Interstate 5 and State Route 41 intersection. The Facility is located at North Latitude 35° 58' 00" and West Longitude 120° 00' 45". The property includes all of Section 3, Township 23S, Range 18E of the Mount Diablo Base and Meridian. (Assessor parcel nos. 03833001, 03833019 and 03833020), all of Section 34, Township 22S, Range 18E of the Mount Diablo Base and Meridian. (Assessor parcel nos. 03832015, 03832020, and 03832021), and the eastern half of Section 33, Township 22S, Range 18E of the Mount Diablo Base and Meridian. (Assessor parcel no. 03831005)

5 DESCRIPTION OF FACILITY OPERATIONS

The Facility is a hazardous waste transfer, treatment, storage, and disposal facility. The Facility is located on a 1,600-acre property, approximately 700 acres of which have been approved for waste management activity. The portion of the property where waste management occurs is surrounded by a chain link fence that extends five feet above ground, and two feet below ground. The purpose of the fence is to provide site security, and to keep wildlife such as the San Joaquin Kit Fox out.

The Facility receives bulk and containerized shipments of wastes that may be in the form of liquids, semi-solids, or solids. The following typical sequence of events is a general description of the majority of the operations performed at the Facility:

- Shipments of waste arrive at the Facility by road.
- The shipment enters the pre-acceptance evaluation process.
- A decision is made to accept or reject the waste.
- The waste is placed in a storage unit.
- The waste is treated.
- The waste is discharged to a surface impoundment (liquids) or disposed in a landfill (solids).

Some steps outlined above, such as storage and treatment, are not necessary for certain wastes which are suitable for direct disposal. In addition, some wastes received at the Facility are sent off-site for further management.

The Facility consists of several hazardous waste management units (HWMUs) which are described in Part IV of this Permit. The Facility accepts several types of waste that may be found at one or more HWMUs, as follows:

- Non-RCRA (California) hazardous waste
- RCRA hazardous waste
- TSCA regulated waste (e.g., waste containing poly-chlorinated biphenyls)

6. FACILITY PERMITTING HISTORY

The McKay Trucking Company received a Conditional Use Permit (CUP) from Kings County for Class II waste management activities at the Facility in March 1975. McKay Trucking later became Environmental Disposal Services, Inc. (EDS). In February 1979, a new CUP was issued that authorized an expansion of the Facility and the commencement of Class I waste management activities. In April 1979, Chemical

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Waste Management, Inc. (Permittee), a wholly owned subsidiary of Waste Management, Inc., purchased the Facility.

In September 1983, the Permittee submitted an application for a new operating permit to add new units including landfills, surface impoundments, and designated storage areas.

On February 22, 1988, the Department of Health Services, Toxic Substances Control Division (predecessor to DTSC), issued the Permittee a hazardous waste facility permit. The permit became effective on September 14, 1988.

On June 1, 1998, the Permittee submitted a permit application renewal. On June 16, 2003, DTSC approved the renewal and issued the Permittee hazardous waste facility permit number 02-SAC-03. DTSC approved a Class 3 permit modification in 2007, which authorized converting a portion of landfill B-19 to receive municipal waste and the operation of a bioreactor. On February 18, 2013, the Permittee submitted an application to renew its permit. The application was considered administratively complete on June 11, 2013 and technically complete on July 28, 2023. DTSC approved a Class 3 modification in May 2014, which authorized an increase of the disposal capacity of landfill B-18 to 15,600,000 cubic yards.

7 FACILITY SIZE AND TYPE FOR FEE PURPOSES

The Facility is categorized as a disposal facility pursuant to Health and Safety Code section 25205.1 and for purposes of Health and Safety Code sections 25205.2 and 25205.19.

8. CLOSURE COST ESTIMATE

The closure cost estimate in 2023 Dollars, as approved by DTSC on March 28, 2023, is \$34,489,420.

9. POST-CLOSURE COST ESTIMATE

The post-closure cost estimate in 2023 Dollars, as approved by DTSC on March 28, 2023, is \$23,441,495.

PART III. GENERAL CONDITIONS

1. EFFECT OF PERMIT

- (a) The Permittee shall comply with the terms and conditions of this Permit and the provisions of the California Health and Safety Code and California Code of Regulations, title 22, division 4.5. The issuance of this Permit by DTSC does not release the Permittee from any liability or duty imposed by federal or state statutes or regulations or local ordinances, except the obligation to obtain this Permit. The Permittee shall obtain the permits required by other governmental agencies, including, but not limited to, those required by the applicable land use planning, zoning, hazardous waste, air quality, water quality, and solid waste management laws for the construction and/or operation of the Facility.
- (b) The Permittee is permitted to manage hazardous waste in accordance with the terms and conditions of this Permit. Any management or accumulation of hazardous waste that is not specifically authorized in this Permit, or otherwise authorized by law, is strictly prohibited.
- (c) This Permit incorporates by reference the conditions applicable to all permits found in California Code of Regulations, title 22, section 66270.30.
- (d) Compliance with the terms and conditions of this Permit does not constitute a defense to any action brought under any other law governing protection of public health or the environment, including, but not limited to, one brought for any imminent and substantial endangerment to human health or the environment.
- (e) DTSC's issuance of this Permit does not prevent DTSC from adopting or amending regulations that impose additional or more stringent requirements than those in existence at the time this Permit is issued and does not prevent the enforcement of these requirements against the Permittee.
- (f) Failure to comply with any term or condition set forth in the Permit in the time or manner specified herein will subject the Permittee to possible enforcement action, including, but not limited to, penalties pursuant to California Health and Safety Code section 25187.
- (g) Pursuant to Health and Safety Code, division 20, chapter 6.5, article 8; California Code of Regulations, title 22, section 66270.43; and California Code of Regulations, title 22, division 4.5, chapter 21, article 3, DTSC may revoke or suspend this Permit or suspend the facility operation for various grounds, including, but not limited to, activities of the Permittee (or any trustee, officer, director, partner, or any person holding more than 5% of the equity in, or debt liability of, the Permittee's business concern) resulting in any violation of or non-compliance with various environmental statutes and regulations, or federal or state conviction significantly related to the fitness of the permit applicant or the Permittee; any misrepresentation or omission of information in the Permit Application, or during the permit application process, or in information subsequently reported by the Permittee; a determination that conditions may present an

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imminent and substantial endangerment to the public health or safety or the environment; non-payment of any fees, penalties, or costs owed to DTSC; or if a facility is assigned an unacceptable compliance tier based on its Facility Violations Scoring Procedure (VSP) Score.

- (h) The Part A Permit Application and Part B Permit Application also known as the Operation Plan are incorporated by reference as part of this Permit.
- (i) In case of conflicts between the Operation Plan and the Permit, the Permit conditions take precedence.
- (j) This Permit includes and incorporates by reference any conditions of waste discharge requirements issued to the Facility by the State Water Resources Control Board or any of the California Regional Water Quality Control Boards and any conditions imposed pursuant to section 13227 of the California Water Code, to the extent such conditions are not less stringent than any requirements or limitations set forth in the Permit. Any changes to this Permit resulting from changes to waste discharge requirements will require a permit modification in accordance with the California Code of Regulations, title 22, section 66270.42.
- (k) The Permittee shall report any fire, explosion, or release of hazardous waste or hazardous waste constituents to air, soil, or surface water to DTSC within 24 hours of the incident and shall implement the approved Contingency Plan for any incident that could threaten human health or the environment.

2. CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE

DTSC prepared an Addendum to the previously certified Environmental Impact Report (EIR) in accordance with the requirements of the California Environmental Quality Act, Public Resources Code section 21000 et seq. and the Guidelines for Implementation of the California Environmental Quality Act, California Code of Regulations, title 14, section 15164.

3. ENVIRONMENTAL MONITORING

The Permittee shall comply with the applicable environmental monitoring and response program requirements of the California Code of Regulations, title 22, division 4.5, chapter 14, articles 6 and 17 for all regulated units at the Facility.

4. ANNUAL HAZARDOUS WASTE REDUCTION AND MINIMIZATION CERTIFICATION

The Permittee shall certify annually that it has a hazardous waste reduction and minimization program and method in place and shall keep the annual certification as part of its Operating Record in accordance with California Code of Regulations, title 22, section 66264.73(b)(9).

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5. ACCESS

- (a) DTSC, its contractors, employees, agents, and/or any United States Environmental Protection Agency representatives are authorized to enter and freely move about the Facility for the purposes of interviewing Facility personnel and contractors; inspecting records, operating logs, and contracts relating to the Facility; reviewing progress of the Permittee in carrying out the terms of Part VI of the Permit; conducting such testing sampling, or monitoring as DTSC deems necessary; using a camera, sound recording, or other documentary-type equipment; verifying the reports and data submitted to DTSC by the Permittee; or confirming any other aspect of compliance with this Permit, California Health and Safety Code, division 20, chapter 6.5, and California Code of Regulations, title 22, division 4.5. The Permittee shall provide DTSC and its representatives access at all reasonable times to the Facility and any other property to which access is required for implementation of any provision of this Permit, California Health and Safety Code, division 20, chapter 6.5, and California Code of Regulations, title 22, division 4.5, and shall allow such persons to inspect and copy all records, files, photographs, documents, including all sampling and monitoring data, that pertain to work undertaken pursuant to the entire Permit or undertake any other activity necessary to determine compliance with applicable requirements.
- (b) Nothing in this Permit shall limit or otherwise affect DTSC's right to access and entry pursuant to any applicable State or federal laws and regulations.

6. GOVERNMENT LIABILITIES

The State of California or DTSC shall not be liable for injuries or damages to persons or property resulting from acts or omissions by the Permittee or its agents in carrying out activities pursuant to this Permit, nor shall the State of California or DTSC be held as a party to any contract entered into by the Permittee or its agents in carrying out activities pursuant to this Permit.

7. SEVERABILITY

If any provision, term, or condition of this Permit is for any reason held to be invalid, illegal, or unenforceable, the validity, legality, and enforceability of the remaining provisions, terms, and conditions of this Permit shall in no way be affected, impaired or invalidated thereby and shall remain in full force and effect.

PART IV. PERMITTED UNITS AND ACTIVITIES

This Permit authorizes operation, monitoring, and maintenance only of the facility units and activities listed below. The Permittee shall not perform permit required hazardous waste management activities in any unit other than those specified in this Part IV. Modifications to a unit or activity authorized by this Permit may require the written approval of DTSC in accordance with the permit modification procedures set forth in California Code of Regulations, title 22, division 4.5.

UNIT NUMBER:

UNIT 1

UNIT NAME:

DRUM STORAGE UNIT (DSU)

LOCATION:

The DSU is located between the PCB Flushing/Storage Unit and Landfill B-19, in the approximate center of the active portion of the Facility as shown in Figure 3.

ACTIVITY TYPE:

Storage in containers.

ACTIVITY DESCRIPTION:

At the DSU, containers are unloaded, inspected, segregated, transferred, and temporarily stored for subsequent processing at another onsite waste management unit or for shipment to an offsite facility. After containers have been evaluated and inspected, they are placed within a storage bay with other compatible wastes. When enough containers of a given waste category have accumulated and/or the storage time limit is near, the containers are transferred to the appropriate onsite waste management unit or transported to an offsite facility via flatbed trucks or other suitable vehicle. Container top solidification is performed in the DSU storage bays.

PHYSICAL DESCRIPTION:

The DSU includes a main building and an adjacent loading/unloading area. A rigid frame metal roof covers the DSU. The floor of the unit is constructed of cast-in-place reinforced concrete with a perimeter

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containment curb. A 60-mil thick high-density polyethylene (HDPE) containment liner and pea gravel leak detection layer underlies the concrete floor. There are nine individual container storage bays (1A-1I), each with self-contained drainage. Containers are placed in the storage bays with aisles between the rows for access. The concrete floor and HDPE is sloped so potential leakage is collected beneath the storage bays.

Drainage is directed inward from the perimeter containment curb toward the storage bays. The cast-in-place concrete slab includes a raised walkway separating each storage bay. Each storage bay is sloped to divert leaks, spills, or wash down water into a trench that drains to a separate, non-discharging sump. This prevents liquid accumulation around the base of containers and segregates spilled materials within individual bays. Each storage bay has containment capacity to hold at least 10 percent of the total volume of containers stored within the bay.

The loading/unloading area is made up of four truck loading/unloading bays (1J-1M). The metal roof protects operations from inclement weather. Each loading/unloading bay sits on a reinforced concrete slab that is sloped to provide each bay, with self-contained drainage that flows to a non-discharging sump. Each loading/unloading bay can accommodate two trucks and has the containment capacity of 8,800 gallons which is enough to hold at least 10 percent of the maximum volume of two truckloads of wastes.

The drum storage unit perimeter curb is raised in relation to the surrounding topography. Therefore, run-on does not occur. The entrance to the loading/unloading area is graded to prevent run-on from the adjacent ground surface.

MAXIMUM CAPACITY:

9,000 fifty-five gallon drums or 495,000 gallons total. 1,000 drums, or 55,000 gallons per storage bay.

WASTE TYPES:

Containerized wastes designated for onsite treatment at a different waste management unit or offsite treatment at another TSDF.

RCRA HAZARDOUS WASTE CODES:

D001-D043, F001-F012, F019-F028, F032, F034, F035, F037-F039, K001-K011, K013-K043, K048-K052, K060-K062, K069, K071, K073, K083-K088, K093-K118, K123-K126, K131, K132, K136, K141-K145, K147-K151, K156-K159, K161, K169-K178, K181, P001-P024, P026-P031, P034, P036-P051, P054, P057-P060, P062, P064-P075, P077, P082, P084-P085, P087-P089, P092-P094, P097-P099, P101-P106, P108-P116, P118-P123, P127-P128, P185, P188, P190-P192, P194, P196-P205, U001-U012, U014-U039, U041-U053, U055-U064, U066-U099, U101-U103, U105-U134, U136-U138, U140-U174, U176-U194, U196, U197, U200-U211, U213-U223, U225-U228, U234-U240, U243-U244, U246-U249,

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U271, U271-U280, U328, U353, U359, U364, U367, U372, U373, U387, U389, U394-395, U404, U409, U410, U411

CALIFORNIA HAZARDOUS WASTE CODES:

121-123, 131-135, 141, 151, 161, 162, 171, 172, 181, 211-214, 221-223, 231, 232, 241, 251, 252, 261, 271, 272, 281, 291, 311, 321, 322, 331, 341, 342, 343, 351, 352, 411, 421, 431, 441, 451, 461, 471, 481, 491, 511-513, 521, 531, 541, 551, 561, 571, 581, 591, 611-614, 711, 721-728, 731, 741, 751, 791, 792, 801

AIR EMISSION STANDARDS:

This unit is subject to California Code of Regulations, title 22, section Div. 4.5, Ch. 14, Article 28.5 Air Emission Standards for Tanks, Surface Impoundments, and Containers.

UNIT-SPECIFIC SPECIAL CONDITIONS:

1. The Permittee shall ensure that containers used to hold hazardous wastes are constructed or lined with materials compatible with the hazardous waste to be placed in the container.
2. The Permittee shall not conduct container top solidification at truck unloading/loading bays 1-J through 1-M (loading/unloading bays).
3. The Permittee shall not add or remove any waste from the container when performing container top solidification at storage bays 1-A through 1-I.
4. The Permittee shall not store or manage any containers with a capacity greater than 300 gallons at storage bays 1-A through 1-I.
5. The Permittee shall take steps to ensure that the fire suppression system is operable at all times, by completing all of the following:
 - a. Conducting inspections according to schedule contained in Table 31-1 of the Operation Plan and performing repairs when necessary. (Cal. Code Regs., tit. 22, § 66264.15.)
 - b. Performing of testing and maintenance, including preventative maintenance. (Cal. Code Regs., tit. 22, § 66264.15)
 - c. Ensuring that the system is supplied with water at adequate volume and pressure. (Cal. Code Regs., tit. 22, § 66264.32(d).)
6. When the Permittee is performing waste transfer at truck loading/unloading bays 1-J through 1-M all containers involved in the transfer shall be located within one bay, and the other three bays shall be empty.

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7. When the Permittee is conducting any activities in the loading/unloading bays, any containers of hazardous waste shall be entirely within the boundary perimeter of the secondary containment. If the container is on a truck, the tractor portion of the truck may be outside of the secondary containment.
8. The Permittee shall not store or manage more than one thousand (1000) drums per row for bays 1-A through 1-I.
9. The Permittee shall ensure inspections of the DSU are completed pursuant to Table 31-2 in Section 31.0 of the Application. All inspections must be recorded in the inspection logs and maintained for at least 3 years.
10. The Permittee shall not store incompatible wastes in the same storage bay.

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UNIT NUMBER:

UNIT 2

UNIT NAME:

PCB FLUSHING/STORAGE UNIT

LOCATION:

The PCB Flushing/Storage Unit is located to the immediate north of the DSU, in the approximate center of the Facility as shown in Figure 3.

ACTIVITY TYPE:

Drainage and transfer/storage of liquid PCB wastes from bulk containers to the 10,000-gallon storage tank, or to Department of Transportation-approved metal drums for off-site treatment/disposal.

ACTIVITY DESCRIPTION:

Wastes that are handled at the PCB Flushing/Storage Unit are handled either indoors or in an outdoor area depending on their size. Wastes that are handled at the PCB Flushing/Storage Unit include drums that contain PCB liquid, PCB articles (e.g., capacitors, transformers, contaminated equipment) and their containers, or bulk solids. Inside the PCB building, transformers and drums containing PCB liquids are drained and flushed with a solvent, which then is stored in a tank or drums for offsite treatment/disposal. PCB articles and drums are placed inside trays when they are drained indoors. The trays are lined with a plastic material. Absorbent material is also placed in the containment tray to contain drips or spills that may occur while the items are draining. Once draining is completed, the absorbent and lining materials are taken out of the tray and properly disposed. If the trays or other movable equipment become contaminated, thorough decontamination is required. The drained liquids and used flushing solvent are stored in a tank or DOT approved metal drums for offsite disposal. Repackaging of PCB wastes may also occur at the unit. Capacitors received at the unit, except those defined as being small (40 CFR Part 761), are shipped offsite for disposal. PCB solids, drained/flushed PCB contaminated drums and articles, and small capacitors are placed in an onsite hazardous waste landfill in accordance with the requirements of 40 CFR Part 761 and Cal. Code of Regs., title 22, division 4.5, or shipped offsite for disposal. The PCB Flushing/Storage Unit also includes a PCB article draining area outside of the building that is used to drain larger PCB articles. PCB articles are kept within containment trays while the PCB liquids are drained in the outdoor area. The containment trays in the outside area are handled in the same way as they are inside the PCB building.

PHYSICAL DESCRIPTION:

The PCB Flushing/Storage Unit consists of an enclosed building with a roof and walls to prevent the entrance of precipitation or run-on. There is a continuous concrete curb 18 inches high inside and adjacent to the walls of the building to contain spills that may occur within the building. The reinforced concrete floor has a vinyl epoxy resin surface and is sloped to drain spilled liquids away from stored articles and containers to a non-discharging sump. A vehicle access door is provided at the southeast corner of the building. One 10,000-gallon aboveground storage tank is located within the building for the storage of PCB liquid and flushing solution. There is an outdoor area that sits on the same concrete slab as the PCB building. The outdoor area includes a 1,000-gallon aboveground storage tank for the storage of flushing solution. The outdoor draining area is used to drain larger PCB items. The outdoor area has an additional separate secondary containment that drains into the same sump as the main PCB building. The outdoor area has its own continuous concrete curb 18 inches high around the perimeter of the outdoor area.

MAXIMUM CAPACITY:

10,000 gallons (One waste tank) plus 300 55-gallon drums, or 26,500 total gallons.

WASTE SOURCES:

Transformers and capacitors. Electrical equipment including voltage regulators, switches, re-closers, bushings, and electromagnets. Oil used in motors and hydraulic systems.

WASTE TYPES:

Transformers and drums containing PCB liquids, PCB articles (e.g. capacitors, transformers, contaminated equipment) or bulk solids.

RCRA HAZARDOUS WASTE CODES:

D001-D043, F001-F012, F019-F028, F032, F034, F035, F037-F039, K001-K011, K013-K043, K048-K052, K060-K062, K069, K071, K073, K083-K088, K093-K118, K123-K126, K131, K132, K136, K141-K145, K147-K151, K156-K159, K161, K169-K178, K181, P001-P024, P026-P031, P034, P036-P051, P054, P057-P060, P062, P064-P075, P077, P082, P084-P085, P087-P089, P092-P094, P097-P099, P101-P106, P108-P116, P118-P123, P127-P128, P185, P188, P190-P192, P194, P196-P205, U001-U012, U014-U039, U041-U053, U055-U064, U066-U099, U101-U103, U105-U134, U136-U138, U140-U174, U176-U194, U196, U197, U200-U211, U213-U223, U225-U228, U234-U240, U243-U244, U246-U249,

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U271, U271-U280, U328, U353, U359, U364, U367, U372, U373, U387, U389, U394-395, U404, U409, U410, U411

CALIFORNIA HAZARDOUS WASTE CODES:

121-123, 131-135, 141, 151, 161, 162, 171, 172, 181, 211-214, 221-223, 231, 232, 241, 251, 252, 261, 271, 272, 281, 291, 311, 321, 322, 331, 341, 342, 343, 351, 352, 411, 421, 431, 441, 451, 461, 471, 481, 491, 511-513, 521, 531, 541, 551, 561, 571, 581, 591, 611-614, 711, 721-728, 731, 741, 751, 791, 792, 801

AIR EMISSION STANDARDS:

This unit is subject to California Code of Regulations, title 22, section Article 28.5 Air Emission Standards for Tanks, Surface Impoundments, and Containers.

UNIT-SPECIFIC SPECIAL CONDITIONS:

1. Tank assessments must be certified every five years by an independent, qualified professional engineer, registered in California, in accordance with California Code of Regulations, title 22, sections 66270.11(d) and 66264.191.
2. The Permittee shall comply with the conditions of this RCRA permit and the 2020 TSCA Approval issued by US EPA. In case of any inconsistency between RCRA and TSCA regulations, the more stringent regulations shall govern.
3. The Permittee shall not conduct treatment except for container-top solidification in the PCB Flushing/Storage Unit in accordance with the 2020 TSCA Approval.
4. The Permittee shall not manage any waste except for waste containing PCBs in the PCB Flushing/Storage Unit.

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UNIT NUMBER:

UNIT 3

UNIT NAME:

BULK STORAGE UNITS (BSU) 1 AND 2

LOCATION:

BSU 1 and 2 are located adjacent to the Final Stabilization Unit directly to the east and north, respectively as shown in Figure 3.

ACTIVITY TYPE:

Storage of treated and untreated waste prior to land disposal, treatment, or shipment offsite.

ACTIVITY DESCRIPTION:

BSU 1 is primarily used for storage of stabilized waste. BSU 1 contains a bermed asphalt pad that may be used to temporarily stage land disposal restricted wastes (i.e., unstabilized wastes). Once there is confirmation that the stabilized waste meets the appropriate treatment standard(s), the stabilized waste is then disposed in an onsite hazardous waste landfill.

BSU 2 is used for storage of both stabilized waste and unstabilized waste awaiting treatment.

PHYSICAL DESCRIPTION:

Each BSU is an outdoor area, slightly less than an acre in size. BSU 1 is lined with a 60-mil thick HDPE geomembrane. The geomembrane layer is overlain by a geocomposite drainage layer and an 18-inch aggregate liner protection layer. There is also an area of approximately 6,000 square feet with asphalt overlying the aggregate liner protection layer.

BSU 2 is overlain with two 60-mil thick HDPE geomembranes, with a geocomposite drainage layer between and above the geomembrane layers. These liners are then overlain with an 18-inch aggregate liner protection layer.

Both BSU 1 and 2 have a perimeter containment berm that prevents run-on or runoff. Inside the perimeter containment berms, the underlying liners are sloped toward sumps, which allows for drainage of any standing water.

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MAXIMUM CAPACITY:

70 bulk containers in BSU 1 and 70 bulk containers in BSU 2 for a total of 140 bulk containers, which equals 2,800 cubic yards.

WASTE SOURCES:

Wastes treated for Land Disposal Restrictions (LDR) compliance undergoing specified curing times and/or verification of laboratory analysis. Untreated waste destined for treatment in the FSU.

WASTE TYPES:

Treated wastes destined for land disposal or untreated waste destined for treatment in the FSU.

RCRA HAZARDOUS WASTE CODES:

D001-D043, F001-F012, F019-F028, F032, F034, F035, F037-F039, K001-K011, K013-K043, K048-K052, K060-K062, K069, K071, K073, K083-K088, K093-K118, K123-K126, K131, K132, K136, K141-K145, K147-K151, K156-K159, K161, K169-K178, K181, P001-P024, P026-P031, P034, P036-P051, P054, P057-P060, P062, P064-P075, P077, P082, P084-P085, P087-P089, P092-P094, P097-P099, P101-P106, P108-P116, P118-P123, P127-P128, P185, P188, P190-P192, P194, P196-P205, U001-U012, U014-U039, U041-U053, U055-U064, U066-U099, U101-U103, U105-U134, U136-U138, U140-U174, U176-U194, U196, U197, U200-U211, U213-U223, U225-U228, U234-U240, U243-U244, U246-U249, U271, U271-U280, U328, U353, U359, U364, U367, U372, U373, U387, U389, U394-395, U404, U409, U410, U411

CALIFORNIA HAZARDOUS WASTE CODES:

121-123, 131-135, 141, 151, 161, 162, 171, 172, 181, 211-214, 221-223, 231, 232, 241, 251, 252, 261, 271, 272, 281, 291, 311, 321, 322, 331, 341, 342, 343, 351, 352, 411, 421, 431, 441, 451, 461, 471, 481, 491, 511-513, 521, 531, 541, 551, 561, 571, 581, 591, 611-614, 711, 721-728, 731, 741, 751, 791, 792, 801

AIR EMISSION STANDARDS:

This unit is subject to California Code of Regulations, title 22, section, Article 28.5 Air Emission Standards for Tanks, Surface Impoundments, and Containers.

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UNIT-SPECIFIC SPECIAL CONDITIONS:

1. The Permittee shall not stack roll-off bins holding hazardous waste.
2. The Permittee shall ensure inspections of BSU 1 and 2 are completed in accordance with Table 31-2 in Section 31.0 of the Application. All inspections shall be recorded in the inspection logs and maintained for at least 3 years.

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UNIT NUMBER:

UNIT 4

UNIT NAME:

FINAL STABILIZATION UNIT (FSU)

LOCATION:

The FSU is located in the center of the Facility, north of Landfill B-18, east of BSU 1, and south of BSU 2, as shown in Figure 3. There is also a separate building used to seal the lids on the macroencapsulation secure vaults. This building is also part of the FSU.

ACTIVITY TYPE:

Treatment, by mixing with stabilization reagents, of various solid, semi-solid, and selected liquid wastes not suitable for direct landfilling, solar evaporation, or other management method employed at the Facility. Macroencapsulation also occurs at the FSU.

ACTIVITY DESCRIPTION:

Stabilization occurs in four mixing waste processing tanks. Bulk containers are emptied directly into the tanks. Smaller containers are held over the mixing tanks and their contents poured out, or the containers are pierced with a spike while over the mixing tanks. Stabilization reagents are added from storage silos via an automated feed system of conveyors, surge bins, and ducting. Containerized reagents are added using an excavator, forklift, or other appropriate equipment. Mixing is accomplished by the use of an excavator moving its bucket back and forth through the waste mixture.

Macroencapsulation is performed within the FSU on certain bulk land disposal restricted wastes (i.e., debris). When loads of debris are received at the FSU, the loads are either directly loaded into roll-off bins fitted with a macroencapsulation vault made of high-density polyethylene (HDPE) or transferred from the waste processing tanks to the macroencapsulation vault. The macroencapsulation vault is then capped and sealed prior to transport to an onsite hazardous waste landfill.

PHYSICAL DESCRIPTION:

The FSU building is a 120' x 80' steel framed structure with a reinforced concrete slab, indoor waste processing tanks recessed in the floor, and outdoor reagent storage silos and appurtenant systems. The

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reinforced concrete floor is sloped inward toward the center of the building to prevent runoff from occurring during waste loading/unloading and processing. The building enclosure prevents precipitation from entering the FSU floor and in the waste processing tanks. Perimeter curbing and grading adjacent to the building prevents run-on to the building.

MAXIMUM CAPACITY:

Each of the four existing waste processing tanks can hold 20,000 gallons, for an aggregate total of 80,000 gallons.

WASTE SOURCES:

Off-site generated wastes specified by California Code of Regulations, title 22, Chapter 18 as requiring treatment prior to land disposal. Waste can be off-loaded directly from bulk delivery vehicles, from bulk containers at the BSU, or from containers at the DSU.

WASTE TYPES:

Untreated wastes subject to LDRs.

RCRA HAZARDOUS WASTE CODES:

D001-D043, F001-F012, F019-F028, F032, F034, F035, F037-F039, K001-K011, K013-K043, K048-K052, K060-K062, K069, K071, K073, K083-K088, K093-K118, K123-K126, K131, K132, K136, K141-K145, K147-K151, K156-K159, K161, K169-K178, K181, P001-P024, P026-P031, P034, P036-P051, P054, P057-P060, P062, P064-P075, P077, P082, P084-P085, P087-P089, P092-P094, P097-P099, P101-P106, P108-P116, P118-P123, P127-P128, P185, P188, P190-P192, P194, P196-P205, U001-U012, U014-U039, U041-U053, U055-U064, U066-U099, U101-U103, U105-U134, U136-U138, U140-U174, U176-U194, U196, U197, U200-U211, U213-U223, U225-U228, U234-U240, U243-U244, U246-U249, U271, U271-U280, U328, U353, U359, U364, U367, U372, U373, U387, U389, U394-395, U404, U409, U410, U411

CALIFORNIA HAZARDOUS WASTE CODES:

121-123, 131-135, 141, 151, 161, 162, 171, 172, 181, 211-214, 221-223, 231, 232, 241, 251, 252, 261, 271, 272, 281, 291, 311, 321, 322, 331, 341, 342, 343, 351, 352, 411, 421, 431, 441, 451, 461, 471, 481, 491, 511-513, 521, 531, 541, 551, 561, 571, 581, 591, 611-614, 711, 721-728, 731, 741, 751, 791, 792, 801

AIR EMISSION STANDARDS:

There shall be no wastes subject to Article 28.5 accepted in the FSU with an average VOC concentration equal to or greater than 500 parts per million by weight (ppmw). The requirements for California Code of Regulations, title 22, section 66264.1084 – 1087 (Air Emission Standards Tanks, Surface Impoundments, and Containers) do not apply to the FSU. Using procedures specified in title 22, section 66264.1083(a), the Permittee shall review and update the determination that the average VOC concentration is less than 500 ppmw at least once every 12 months for each waste stream.

UNIT-SPECIFIC SPECIAL CONDITIONS:

1. After placing waste in an FSU tank, the Permittee shall not then place an incompatible waste in the same tank without first decontaminating the tank and all equipment that came into contact with the previously placed waste until it is safe to place the incompatible waste.
2. The Permittee shall handle any wastewater that results from decontaminating the FSU as hazardous waste.
3. The Permittee shall not place uncontainerized waste on the floor of the FSU.
4. The Permittee shall perform all inspections in accordance with Table 31-2 in Section 31.0 of the Application. All inspections must be recorded in the inspection logs and maintained for at least 3 years.
5. The Permittee shall conduct post-treatment analysis pursuant to the Operation Plan, section 12.6.3.3.2.
6. The Permittee shall not accept in the FSU wastes that include infectious or biohazardous waste as defined in California Health and Safety Code 117690, radioactive wastes as defined in California Health and Safety Code 114985(d), (e), (f), and (m), Department of Transportation Class A explosives, compressed gas waste, RCRA regulated dioxin-contaminated wastes (F020, F021, F022, F023, F026, F027), sewage sludge, hydrazine (U133), PCB wastes greater than 50 parts per million, and municipal garbage or refuse.
7. The Permittee shall not accept any RCRA debris waste subject to Article 28.5 with an average VOC concentration greater than 500 ppmw.
8. The Permittee shall comply with the following post treatment sampling practices when collecting the two required samples for LDR verification testing of Tier 1 waste streams:
 - (a) Neither of the two samples of the treated waste can be taken from the same treatment mix unless there is only one treatment mix of treated waste after treatment in the FSU.
 - (b) In the event that only two treatment mixes were produced after treatment, each treatment mix should be sampled once for a total of two samples.

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- (c) In the event there are more than two treatment mixes produced after treatment, one sample must be taken from the first treatment mix and one sample must be taken from the last treatment mix.
9. The Permittee shall comply with the following post treatment sampling practices when collecting the four required samples for LDR verification testing of Tier 2 waste streams:
- (a) Each treatment mix will be broken into six (6) separate grid locations.
 - (b) None of the four samples of the treated waste can be taken from the same treatment mix unless there are less than four treatment mixes in total.
 - (c) In the event of three treatment mixes produced after treatment, two of the treatment mixes should be sampled once and the other treatment mix should be sampled twice, but not from the same grid, for a total of four samples.
 - (d) In the event of two treatment mixes produced after treatment, both treatment mixes should be sampled twice, but not from the same grid, for a total of four samples.
 - (e) In the event there is only one treatment mix produced after treatment, the four samples must be taken from four different grids in the treatment mix.
 - (f) In the event there are more than four treatment mixes produced after treatment, one sample must be taken from the first treatment mix, one sample must be taken from the last treatment mix, and the other two samples must come from any two different treatment mixes that are not the first or last treatment mix.

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UNIT NUMBER:

UNIT 5

UNIT NAME:

SURFACE IMPOUNDMENTS P-9, P-14, P-15, AND P-16

LOCATION:

There are three active and one inactive surface impoundments on the KHF. The active impoundments are P-9, P -14, and P -16; the inactive impoundment is P-15. Unit P-9 is located immediately to the north of the FSU, adjacent to Landfill Unit B-19. Units P-14, P-15, and P-16 are located at the extreme north end of the Facility as shown in Figure 3.

ACTIVITY TYPE:

Treatment by solar evaporation.

ACTIVITY DESCRIPTION:

The surface impoundments are used to treat low solid, low organic content aqueous wastes by solar evaporation. Wastes treated at the impoundments may be generated offsite, or from onsite operations (e.g., leachate). Wastes may be transferred to the impoundments from bulk liquid transport vehicles or from containers (e.g., drums).

PHYSICAL DESCRIPTION:

Each of the active impoundments has a reinforced concrete pad for unloading wastes. The unloading pads are sloped and curbed to direct spillage into the respective impoundment. Each of the active impoundments is constructed with a double-composite liner system with a Leachate Collection and Recovery System (LCRS) between the top and bottom composite liners. The LCRS also functions as a Leak Detection System (LDS).

Liners at each of the active impoundments are composed of:

- A bottom liner consisting of a 3-foot-thick layer of clay (hydraulic conductivity, $K \leq 1 \times 10^{-7}$ cm/sec) and a 60-mil-thick high-density polyethylene (HDPE) geomembrane;
- A LCRS/LDS layer consisting of a geosynthetic drainage net and a geotextile fabric;

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- A top liner consisting of an 18-inch-thick clay layer ($K \leq 1 \times 10^{-7}$ cm/sec) and a 60-mil thick HDPE geomembrane.

The inactive surface impoundment P-15 is constructed of the following elements: a 40-mil thick HDPE geomembrane, a geocomposite (geonet/geotextile) LCRS/LDS layer, and a 60-mil thick HDPE geomembrane.

MAXIMUM CAPACITY:

Unit	Area (acres)	Unit Capacity Volume (gallons)
P-9	1.5	4,400,000
P-14	0.9	2,100,000
P-15	1.5	0*
P-16	1.6	3,900,000

*Unit is inactive and therefore cannot receive any waste.

WASTE SOURCES:

Offsite generated liquid waste subject to solar evaporation. Onsite leachate collection that meets the requirements to be treated onsite via solar evaporation.

WASTE TYPES:

All the waste types listed in the Part B Application, Appendix A, with the following exceptions:

- Reactive wastes, including wastes with cyanide concentrations greater than 250 ppm or sulfide concentrations greater than 500 ppm;
- Wastes with total organic carbon concentration greater than 10,000 ppm;
- Wastes with an oil and grease concentration greater than 20,000 ppm;
- RCRA waste codes K044, K045, K046, K047, P056, P063, P076, P078, P081, P095, P096, and U135 as defined in Title 40 Code of Federal Regulations Part 261;
- Wastes with a total halogenated organic concentration of greater than 1,000 ppm;
- PCB wastes regulated under the federal Toxic Substances Control Act;

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- Waste prohibited from treatment in surface impoundments by Cal. Code of Regs., title 22, division 4.5, chapter 18, unless treated to meet land disposal restriction regulatory requirements;
- Radioactive waste that is not exempt from regulation and licensing or is not expressly authorized for disposal under the Radiation Control Law, chapter 8 (commencing with section 114960) of part 9 of division 104 of the Health and Safety Code, or any successor statute that may replace the Radiation Control Law; or is prohibited from disposal under article 1 (commencing with section 114705) of chapter 5 of part 9 of division 104 of the Health and Safety Code or any successor statute that may replace article 1; or is prohibited from disposal by any government agency.

RCRA HAZARDOUS WASTE CODES:

D004-D043, F001-F012, F019-F028, F032, F034, F035, F037-F039, K001-K011, K013-K043, K048-K052, K060-K062, K069, K071, K073, K083-K088, K093-K118, K123-K126, K131, K132, K136, K141-K145, K147-K151, K156-K159, K161, K169-K178, K181, P001-P024, P026-P031, P034, P036-P051, P054, P057-P060, P062, P064-P075, P077, P082, P084-P085, P087-P089, P092-P094, P097-P099, P101-P106, P108-P116, P118-P123, P127-P128, P185, P188, P190-P192, P194, P196-P205, U001-U012, U014-U039, U041-U053, U055-U064, U066-U099, U101-U103, U105-U134, U136-U138, U140-U174, U176-U194, U196, U197, U200-U211, U213-U223, U225-U228, U234-U240, U243-U244, U246-U249, U271, U271-U280, U328, U353, U359, U364, U367, U372, U373, U387, U389, U394-395, U404, U409, U410, U411

CALIFORNIA HAZARDOUS WASTE CODES:

121-123, 131-135, 141, 151, 161, 162, 171, 172, 181, 211-214, 221-223, 231, 232, 241, 251, 252, 261, 271, 272, 281, 291, 311, 321, 322, 331, 341, 342, 343, 351, 352, 411, 421, 431, 441, 451, 461, 471, 481, 491, 511-513, 521, 531, 541, 551, 561, 571, 581, 591, 611-614, 711, 721-728, 731, 741, 751, 791, 792, 801

AIR EMISSION STANDARDS:

There shall be no waste accepted at surface impoundments P-9, P-14, P-15, or P-16 with an average VOC concentration equal to or greater than 500 parts per million by weight (ppmw). The requirements for California Code of Regulations, title 22, section 66264.1084 – 1087 (Air Emission Standards Tanks, Surface Impoundments, and Containers) do not apply to surface impoundments P-9, P-14, P-15, or P-16. Using procedures specified in title 22, section 66264.1083(a), the Permittee shall review and update the determination that the average VOC concentration is less than 500 ppmw at least once every 12 months.

UNIT-SPECIFIC SPECIAL CONDITIONS:

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1. The Permittee shall inspect each surface impoundment and its ancillary equipment including the condition of the liners in accordance with the inspection plan detailed in Table 31-2 of Ch. 31.0 of the Operation Plan.

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UNIT NUMBER:

UNIT 6

UNIT NAME:

LANDFILL UNIT B-18

LOCATION:

Landfill Unit B-18 is located at the southern-most point of the active portion of the Facility, immediately south of the FSU as shown in Figure 3.

ACTIVITY TYPE:

Land disposal.

ACTIVITY DESCRIPTION:

Landfills are operated as the final depositories of solid wastes. Materials that may be landfilled include noncontainerized bulk wastes, containerized wastes, and debris. Some wastes require stabilization/solidification prior to disposal in the landfill. Containers of solid and lab-pack wastes are placed upright in the disposal area. Noncontainerized bulk wastes are placed in layers and compacted. Daily cover material is placed on the wastes, except on closed containers and waste materials not prone to wind erosion. The approximate midpoint of each shipment of wastes is recorded and documented and kept on file at the Facility in case the wastes must be exhumed.

PHYSICAL DESCRIPTION:

Landfill B-18 consists of primary and secondary liner systems, a leachate collection and recovery system, a leachate detection system, and a vadose zone detection, collection, and recovery system. The details regarding the liner and cover system designs are provided in the Closure and Post-Closure Plans sections 1.3.3.5 and 2.3.1.

MAXIMUM CAPACITY:

Unit	Operational Status	Wastes Managed	Unit Area (acres)	Total Capacity (cubic yards)	Net Disposal Volume Remaining (cubic yards) ¹
B-18	Active	All types of solid hazardous wastes as described in the Part A application Appendix A, including TSCA regulated wastes, except those that are restricted as listed in this permit.	67	15,600,000	2,880,000

WASTE TYPES:

All of the waste codes listed in the waste codes section below with the exception of the following:

- Reactive wastes, unless rendered nonreactive (except for lab-packed cyanides or sulfides as allowed under Cal. Code of Regs., title 22, section 66264.316(e)).
- Ignitable wastes, unless rendered nonignitable or are lab-packed as allowed under Cal. Code of Regs., title 22, section 66264.316.

¹ Approximate values as of July 31, 2023, including waste and intermediate soil cover, as well as the additional airspace with the expansion.

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- Liquid waste or containers with free liquids, unless stabilized/solidified or lab-packed, except as allowed under Cal. Code of Regs., title 22, section 66264.314.
- Waste prohibited from disposal in landfill by Cal. Code of Regs., title 22, division 4.5, chapter 18, unless treated to meet land disposal regulatory requirements.
- Radioactive waste that is not exempt from regulation and licensing or is not expressly authorized for disposal under the Radiation Control Law (chapter 8 (commencing with section 114960) of part 9 of division 104 of the Health and Safety Code, or any successor statute that may replace the Radiation Control Law; or is prohibited from disposal under article 1 (commencing with section 114705) of chapter 5 of part 9 of division 104 of the Health and Safety Code or any successor statute that may replace article 1; or is prohibited from disposal by any government agency.

RCRA HAZARDOUS WASTE CODES:

D001-D043, F001-F012, F019-F028, F032, F034, F035, F037-F039, K001-K011, K013-K043, K048-K052, K060-K062, K069, K071, K073, K083-K088, K093-K118, K123-K126, K131, K132, K136, K141-K145, K147-K151, K156-K159, K161, K169-K178, K181, P001-P024, P026-P031, P034, P036-P051, P054, P057-P060, P062, P064-P075, P077, P082, P084-P085, P087-P089, P092-P094, P097-P099, P101-P106, P108-P116, P118-P123, P127-P128, P185, P188, P190-P192, P194, P196-P205, U001-U012, U014-U039, U041-U053, U055-U064, U066-U099, U101-U103, U105-U134, U136-U138, U140-U174, U176-U194, U196, U197, U200-U211, U213-U223, U225-U228, U234-U240, U243-U244, U246-U249, U271, U271-U280, U328, U353, U359, U364, U367, U372, U373, U387, U389, U394-395, U404, U409, U410, U411

CALIFORNIA HAZARDOUS WASTE CODES:

121-123, 131-135, 141, 151, 161, 162, 171, 172, 181, 211-214, 221-223, 231, 232, 241, 251, 252, 261, 271, 272, 281, 291, 311, 321, 322, 331, 341, 342, 343, 351, 352, 411, 421, 431, 441, 451, 461, 471, 481, 491, 511-513, 521, 531, 541, 551, 561, 571, 581, 591, 611-614, 711, 721-728, 731, 741, 751, 791, 792, 801

AIR EMISSION STANDARDS:

This unit is subject to environmental monitoring and air emission standards in accordance with Cal. Code of Regs., title 22, division 4.5, chapter 14, Article 17.

UNIT-SPECIFIC SPECIAL CONDITIONS:

Hazardous Waste Facility Permit – Attachment A

Chemical Waste Management, Inc. – Kettleman Hills Facility, EPA ID: CAT 000 646 117

Permit No.: [20XX/XX-HWM-XX]

April 3, 2024

1. The Permittee shall apply a daily cover soil over exposed wastes to control wind dispersal of particulate matter within the landfill operations area, as required by California Code of Regulations, title 22, section 66264.301(i).
2. The Permittee shall ensure that all containers are either at least 90 percent full when placed in a landfill or are crushed, shredded, or similarly reduced in volume to the maximum practical extent prior to burial in a landfill, as required by California Code of Regulations, title 22, section 66264.315. This condition does not apply to containers that are very small, such as ampules or to containers designed to hold free liquids for use other than storage, such as a battery or capacitor.
3. The Permittee shall conduct an aerial or land survey of active hazardous waste landfills annually. The Permittee shall submit the digital data from the aerial or land survey and a summary of the data to DTSC by March 1 of each year. The summary shall include the content required in California Code of Regulations, title 22, section 66264.309. The Permittee shall submit an estimate of the airspace consumed for the month for each active hazardous waste landfill to DTSC on a monthly basis.
4. The Permittee shall not dispose of hazardous waste containing mercury at a level equal to, or greater than, 260 mg/kg at any landfill.

Hazardous Waste Facility Permit – Attachment A

Chemical Waste Management, Inc. – Kettleman Hills Facility, EPA ID: CAT 000 646 117

Permit No.: [20XX/XX-HWM-XX]

April 3, 2024

LIST OF CLOSED, INACTIVE, AND NOT YET CONSTRUCTED UNITS

NAME OF UNIT	STATUS	PERIOD OF OPERATION
Drum Decant Unit	Clean closed December 2006. DTSC approved closure on February 26, 2007.	1983-1996
Temporary Container Storage Area	Closed June 1997, Combined Closure Area.	1984-1989
Interim Stabilization Unit	Closed June 1997, Combined Closure Area.	1985-1990
Old Truck Wash	Closed June 1997, Combined Closure Area.	1977-1992
Cyanide Treatment Unit	Clean closed December 2006. DTSC approved closure on February 26, 2007.	1983-1993
Former Drum Staging Area (Central Processing Area)	Closed June 1996, Landfill B-13 Closure.	1983-1989
Landfill B-1	Closed June 1997, Combined Closure Area.	1978
Landfill B-2	Closed August 1988.	1978
Landfill B-3	Closed August 1988.	1978
Landfill B-4	Closed June 1997, Combined Closure Area.	1978-1980
Landfill B-5	Closed June 1997, Combined Closure Area.	1978-1979
Landfill B-6	Closed June 1997, Combined Closure Area.	1979-1983
Landfill B-7	Closed June 1997, Combined Closure Area.	1978-1979
Landfill B-8	Closed June 1997, Combined Closure Area.	1979
Landfill B-9	Closed June 1997, Combined Closure Area.	1978-1982
Landfill B-9 Extension	Closed June 1997, Combined Closure Area.	1982-1983
Landfill B-9 Expansion	Closed June 1997, Combined Closure Area.	1983-1987
Landfill B-10	Closed June 1997, Combined Closure Area.	1978-1980
Landfill B-11	Closed June 1997, Combined Closure Area.	1978-1980

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NAME OF UNIT	STATUS	PERIOD OF OPERATION
Landfill B-12	Closed June 1996, Landfill B-13 Closure.	1977-1980
Landfill B-13	Closed June 1996, Landfill B-13 Closure.	1979-1983
Landfill B-13 Expansion	Closed June 1996, Landfill B-13 Closure.	1979-1987
Landfill B-14	Closed.	1982-1984
Landfill B-15	Closed December 1997.	1981-1985
Landfill B-16	Closed December 2004. DTSC accepted closure on June 30, 2005.	1983-2004
Landfill B-19	Delayed closure. Partially closed (hazardous waste portion closed December 2006), converted to a Municipal/Solid Waste Landfill. Final closure will occur upon completion of the Municipal/Solid Waste Landfill in accordance with Cal. Code of Regs., title 22, section 66264.113.	1987-present
Surface Impoundment P-1	Closed June 1997, Combined Closure Area.	1978-1983
Surface Impoundment P-2	Closed June 1997, Combined Closure Area.	1978-1983
Surface Impoundment P-3	Closed June 1997, Combined Closure Area.	1978-1983
Surface Impoundment P-4	Closed June 1997, Combined Closure Area.	1978-1981
Surface Impoundment P-5	Closed June 1997, Combined Closure Area.	1978-1980
Surface Impoundment P-6	Closed June 1993, P-6/7/8 Closure.	1978-1983
Surface Impoundment P-7	Closed June 1993, P-6/7/8 Closure.	1978-1983
Surface Impoundment P-8	Closed June 1993, P-6/7/8 Closure.	1978-1983
Surface Impoundment P-10	Closed June 1993, P-10/11 Closure.	1979-1986
Surface Impoundment P-11	Closed June 1993, P-10/11 Closure.	1978-1986
Surface Impoundment P- 12/12A	Closed June 1997, Combined Closure Area.	1981-1985
Surface Impoundment P-13	Closed June 1997, Combined Closure Area.	1981-1985

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NAME OF UNIT	STATUS	PERIOD OF OPERATION
Surface Impoundment P-15	Inactive.	1995
Surface Impoundment P-17	Closed June 1997, Combined Closure Area.	1982-1984
Surface Impoundment P-18	Closed June 1989, during Landfill B-19, Phase II/III construction.	1977-1985
Surface Impoundment P-19	Closed June 1989, during Landfill B-19, Phase II/III construction.	1983-1985
Surface Impoundment P-20	Closed June 1989, during Landfill B-19, Phase II/III construction.	1985-1988
Spreading Area 1	Closed June 1997, Combined Closure Area.	1975-1983
Spreading Area 2	Closed June 1997, Combined Closure Area.	1977-1980
Spreading Area 3	Closed June 1997, Combined Closure Area.	1977-1985
Spreading Area 4	Inactive. Underlies surface impoundments P-14, 15, & 16. Certification of closure is required with the closure of these impoundments.	1977-1982
Spreading Area 5	Closed June 1989, during Landfill B-19, Phase II/III construction.	1979-1985
Spreading Area 6	Closed June 1989, during Landfill B-19, Phase II/III construction.	1979-1983
Mud Pond 1	Inactive. Currently under RCRA Facility Investigation.	1982-1984

PART V. SPECIAL CONDITIONS

1. Pursuant to California Code of Regulations, title 22, section 66270.50(d), this Permit is subject to review by the Department five years from the date of issuance.
2. The Permittee may store hazardous wastes beyond one year; however, the owner/operator bears the burden of proving that such storage was solely for the purpose of accumulation of such quantities of hazardous waste as are necessary to facilitate proper recovery, treatment, or disposal. The Permittee shall notify DTSC that waste will be stored beyond one year at least 30 days prior to the one-year storage date. At a minimum, this notification shall include the type of waste(s), quantity of waste(s), and rationale for the necessity of storage beyond one year.
3. The Permittee shall notify DTSC within 24 hours of the discovery of any cracks, gaps, or tears in a hazardous waste management unit or a secondary containment system or device. Repairs shall be initiated immediately. Within seven days of discovery, the Permittee shall notify DTSC in writing of the corrective measures that have been taken.
4. Any non-hazardous waste stored in a unit authorized by this Permit for management of hazardous waste shall be subject to the conditions of this Permit, including volume calculations, compatibility, inspections, and labeling.
5. The Permittee shall collect all rainwater and wash water accumulated within the authorized units and determine whether it is hazardous waste; if it is hazardous waste, the Permittee shall manage it accordingly.
6. The Facility shall not be a designated Treatment, Storage, or Disposal Facility on the manifests for any exempt transfer activities conducted pursuant to California Code of Regulations, title 22, section 66263.18.
7. For the purpose of calculating the permitted maximum capacity limitations for storage and for secondary containment, all containers in the authorized units are assumed to be full, and all hazardous waste that is stored or located in an authorized unit shall be included in the calculation for that unit.
8. The Permittee shall take the necessary precautions to ensure that the minimum shell thickness for all tanks handling hazardous materials complies with the tank standards in California Code of Regulations, title 22, section 66264.191.
9. Tank assessments must be certified by an independent, qualified professional engineer, registered in California, in accordance with California Code of Regulations, title 22, sections 66270.11(d) and 66264.191.
10. The Permittee shall conduct sampling activities only within an authorized unit or within a secondary containment system or device of a loading and unloading area designated in the Permit.
11. The Permittee shall ensure that containers of hazardous waste at the Facility are closed except when adding or removing waste or conducting an inspection of the contents.

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12. The Permittee shall ensure that containers used to hold hazardous waste are constructed or lined with materials compatible with the hazardous waste to be placed in the container.
13. The Permittee shall not stack containers holding hazardous waste more than two containers high.
14. The Permittee shall not stack containers beyond a total height of 72 inches.
15. The Permittee shall not stack containers holding ignitable or flammable hazardous waste.
16. The Permittee shall not move stacked containers holding hazardous waste unless they are secured together in plastic wrap or a similar method to prevent spills.
17. The Permittee shall control air emissions from containers holding waste with average VOC concentration greater than 500 ppmw and having a design capacity greater than 0.1 m3 and less than 0.46 m3 in accordance with Container Level 1 controls detailed in California Code of Regulations, title 22, section 66264.1086(c).
18. The Permittee shall control air emissions from containers holding waste with average VOC concentration greater than 500 ppmw and having a design capacity greater than 0.46 m3 that are not in light material service in accordance with Container Level 1 controls detailed in California Code of Regulations, title 22, section 66264.1086(c).
19. The Permittee shall control air emissions from containers holding waste with average VOC concentration greater than 500 ppmw and having a design capacity greater than 0.46 m3 that are in light material service in accordance with Container Level 2 controls detailed in California Code of Regulations, title 22, section 66264.1086(d).
20. The Permittee shall maintain a minimum of 30 inches of aisle space between rows of containers holding or designated to hold hazardous waste.
21. The Permittee shall follow the requirements pursuant to California Health and Safety Code 25200.19 when conducting loading and unloading operations.
22. The Permittee shall notify DTSC and conduct a re-evaluation of the waste profile analysis upon discovery of a significant waste type manifest discrepancy as defined in California Code of Regulations, title 22, section 66264.72.
23. The Permittee shall record and notify DTSC of any unexpected hazardous waste instability, including explosions, fires, or reactions at the Facility, and the steps taken to address it. This condition applies regardless of whether the instability requires the Permittee to implement its contingency plan or any emergency procedures, or whether the hazardous waste is released into the environment. The Permittee shall also record the event in its operating record within 24 hours of the discovery of the instability and shall make the operating record available for review upon DTSC's request.
24. The Permittee shall require waste stream generators to provide a generator identification number, waste profile number, and manifest number.

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25. The Permittee shall obtain a detailed chemical and physical analysis of a representative sample of the waste before it transfers, treats, stores, or disposes of any hazardous waste, or non-hazardous waste. At a minimum, this analysis shall contain all the information which must be known to transfer, treat, store, or dispose of the waste in accordance with the requirements of California Code of Regulations, title 22, Div. 4.5 Ch.14 and Ch.18.
26. The Permittee shall ensure waste profile analyses are completed and recorded for each waste stream annually.
27. The Permittee shall conduct the annual waste profile analysis prior to receiving the waste using procedures specified in California Code of Regulations, title 22, section 66264.1083(a) to determine the average VOC concentration in each waste stream.
28. The Permittee will be considered to have received hazardous waste upon signing the hazardous waste manifest.
29. Environmental Monitoring
 - (A) Groundwater monitoring
 - (1) The Permittee shall maintain records from all groundwater wells and piezometers for the active life of the facility and the post-closure care period.
 - (2) Water levels must be monitored every 6 months to confirm that hydrogeologic conditions used to support the number and placement of point of compliance wells is still applicable. The first semiannual reporting period is from January through June and the second semiannual reporting period is from July through December.
 - (3) Semiannual monitoring reports shall be submitted to DTSC by the end of the quarter following each 6-month reporting period.
 - (4) If the Permittee determines that any background or point of compliance monitoring well is incapable of yielding representative samples due to declining water levels or due to the monitoring well affecting the groundwater chemistry, the Permittee shall notify the Department in writing no later than thirty (30) days after making the determination and shall submit a well abandonment plan that meets the requirements of paragraph (7) below. The Permittee shall submit a workplan to replace any such well within ninety (90) days after the submittal of the notification to the Department.
 - (5) If the Department determines, based on the monitoring reports, that a monitoring well is incapable of yielding representative samples, the Department will notify the Permittee and require that a workplan to replace the monitoring well be submitted within ninety (90) days after the Permittee received the Department's notification.
 - (6) The Permittee shall comply with the Waste Discharge Requirements issued by the Central Valley Regional Water Quality Control Board and any groundwater monitoring provision in subsequent Waste Discharge Requirements that are specific to hazardous waste disposal operations issued to the Permittee by the Central

Valley Regional Water Quality Control Board. Any changes to this Permit resulting from changes to waste discharge requirements will require a permit modification in accordance with the California Code of Regulations, title 22, section 66270.42.

- (7) The Permittee shall submit a well abandonment plan to the Department for review and approval for abandonment of a monitoring well, piezometer, or interface well. The plan must identify the well or piezometer to be abandoned and the reason for abandonment, describe the well abandonment method, and contain schedules for well abandonment. Upon completion of the abandonment, the Permittee shall submit a well abandonment certification report to the Department no later than 90 days from completion. If multiple wells are abandoned in a single field program, the Permittee shall submit a well abandonment certification report to the Department no later than 90 days from the completion of the last well abandonment in the program.
- (8) For the purpose of California Code of Regulations, title 22, section 66264.91(b), the specific elements of the Water Quality Monitoring and Response Program for the Facility are those described in the Site-Specific Water Quality and Soil-Gas Monitoring Plan, which is incorporated by reference in Section 26.0 of the Part B Permit Application.
 1. For the purpose of California Code of Regulations, title 22, section 66264.92, the Water Quality Protection Standard is defined in Section 4.1.2 and detailed in sections 4.1.3 - 4.1.5 of the Site-Specific Water Quality and Soil-Gas Monitoring Plan included in Part 26.0 of the Part B Permit Application.
 2. For the purpose of California Code of Regulations, title 22, section 66264.93, the Constituents of Concern are described in Section 4.1.3 of the Site-Specific Water Quality and Soil-Gas Monitoring Plan included in Part 26.0 of the Part B Permit Application.
 3. For the purpose of California Code of Regulations, title 22, section 66264.94, the Concentration Limits are described in Section 4.1.4 of the Site-Specific Water Quality and Soil-Gas Monitoring Plan included in Part 26.0 of the Part B Permit Application.
 4. For the purpose of California Code of Regulations, title 22, section 66264.95, the Monitoring Points and Points of Compliance are described in Section 4.1.5 of the Site-Specific Water Quality and Soil-Gas Monitoring Plan included in Part 26.0 of the Part B Permit Application.
 5. For the purpose of California Code of Regulations, title 22, section 66270.31, the Requirements for Recording and Reporting of Monitoring Results are described in Section 12.0 of the Site-Specific Water Quality and Soil-Gas Monitoring Plan included in Part 26.0 of the Part B Permit Application.

(B) Vadose Zone Monitoring

- (1) For the purposes of California Code of Regulations, title 22, Div. 4.5, Ch. 14, Article 6, Unsaturated Zone and Vadose Zone Monitoring requirements are described in the Site-Specific Water Quality and Soil-Gas Monitoring Plan which is incorporated by reference in Section 26.0 of the Part B permit application.
- (2) Monitoring reports shall be submitted to DTSC within 30 days of the date that analyses of gas samples are complete.
- (3) Within one week of discovery of a gas probe(s) needing repair or replacement, the Permittee shall notify and submit to DTSC a workplan for gas probe repair or replacement for approval.
- (4) The Permittee shall maintain records from all soil gas sampling for the active life of the facility and the post-closure care period.

(C) Soil Monitoring

- (1) For the purpose of California Code of Regulations, title 22, section 66264.701(b), the specific elements of the Environmental Monitoring and Response Programs for Soil for the Facility are those described in Section 26.0 of the Part B Permit Application which incorporates the Site-Specific Soil Sampling Plan dated October 2020.
- (2) Monitoring reports shall be submitted to DTSC within 30 days of the date that analyses of soil samples are complete.
- (3) The Permittee shall maintain records from all soil sampling for the active life of the facility and the post-closure care period.

(D) Ambient Air Monitoring

- (1) The Permittee shall implement the detection monitoring program in the Site-Specific Ambient Air Monitoring Program (SSAAMP) which is incorporated by reference in Section 26.0 of the Part B Permit Application and notify DTSC if the Compliance Monitoring or Corrective Action is implemented.
- (2) The Permittee shall maintain records of meteorological data and air sampling for the active life of the facility and the post-closure period.
- (3) Performance audits of the air sampling program shall be completed annually, and reports submitted to DTSC by the end of the following quarter.
- (4) To ensure that air emissions do not result in unacceptable risks to human health, the Permittee shall prepare an annual update to the initial Health Risk Assessment (HRA). The annual HRA shall be conducted based on newly collected data in accordance with the Site-Specific Ambient Air Monitoring Program referenced in Section 26.0 of the Part B Application. Estimated risks are to be based on data collected during a one-year monitoring cycle and quantified at the facility boundary. Previous HRA data and/or findings may be incorporated with DTSC's prior approval.

Risk estimates are to be evaluated against a cumulative cancer risk of one in a million and a non-cancer hazard index of 1.0 for short- and long-term exposures.

(5) Meteorological Siting Study

- (a) Within 6 months of the effective date of this permit, the permittee shall submit a workplan to conduct a meteorological siting study for review and approval by DTSC.
 - (b) The Permittee shall begin conducting the meteorological siting study within 3 months after approval of the workplan from DTSC.
 - (c) The proposed Environmental Protection Standards concentration limits that are in the SSAAMP shall be calculated utilizing the data from the meteorological siting study.
- (6) Ambient air samples shall be collected for a 24-hour period, on a 12-day cycle, unless as otherwise specified by DTSC.
- (7) Ambient air samples for polychlorinated biphenyls (PCBs) shall be collected continuously for a 28-day period, on a quarterly cycle, unless as otherwise specified by DTSC.
- (8) The Permittee shall collect the meteorological data continuously. The meteorological data shall be averaged over one-hour periods and summarized on a quarterly basis.
- (9) The Permittee shall submit a report of the data collected during the ambient air sampling to DTSC for review and approval on a quarterly basis. The report shall be submitted within 90 days after the end of the reporting quarter. The quarterly report shall contain a summary of the meteorological data and the analytical results. The analytical results presented in the quarterly report shall include all Constituents of Concern (COCs) and any detected or estimated non-COC. In addition to the ambient air data, a brief description of the waste received during the ambient air monitoring period shall be included in the report.
- (10) Based on a review of the quarterly report, DTSC may request additional information to assist in the interpretation of the analytical data. An investigation into an analyte's concentration may require an examination of possible sources, causes, and the types of waste received.

(E) For the purpose of California Code of Regulations, title 22, section 66264.701(b), the specific elements of the environmental monitoring and response programs for air, soil, and soil-pore gas for the Facility are those described in the Site-Specific Ambient Air Monitoring Plan (October 2022) (SSAAMP) and the Site-Specific Soil Sampling Plan (October 2020) (SSSSP) which are incorporated by reference in Ch. 26.0 of the Part B Permit Application.

1. For the purpose of California Code of Regulations, title 22, section 66264.702, the environmental protection standard is described in Section 1.0, 2.0 and 3.0 of the

SSAAMP and Section 1.0, 2.0, and 3.0 of the SSSSP referenced in Ch. 26.0 of the Part B Permit Application.

2. For the purpose of California Code of Regulations, title 22, section 66264.703, the hazardous constituents are described in Section 2.0 and Tables 1-4 of the SSAAMP and in Section 2.0 of the SSSSP referenced in Ch. 26.0 of the Part B Permit Application.
3. For the purpose of California Code of Regulations, title 22, section 66264.704, the concentration limits are described in Tables 1-4 of the SSAAMP and in Section 3.1.4 of the SSSSP referenced in Ch. 26.0 of the Part B Permit Application.
4. For the purpose of California Code of Regulations, title 22, section 66264.705, the monitoring points are described in Section 3.0 of the SSAAMP and in Section 3.1.2 of the SSSSP referenced in Ch. 26.0 of the Part B Permit Application.
5. For the purpose of California Code of Regulations, title 22, section 662700.31, the requirements for recording and reporting of monitoring results are described in Section 5.0 of the SSAAMP and in Section 4.0 of the SSSSP referenced in Ch. 26.0 of the Part B Permit Application.

- (F) The Permittee shall conduct an annual public meeting in Kettleman City with Spanish translation to provide a summary of the environmental monitoring results from the prior year. The summary shall include groundwater and ambient air monitoring results.

30. Waste Analysis

- (A) The Permittee shall require a generator to provide, on the "Generator's Waste Material/Profile Sheet" as described in the Waste Analysis Plan, or on an equivalent form, a description of the contents of an over-packed drum or lab pack and certify that the over-packed drum meets the requirements of California Code of Regulations, title 22, section 66264.316. For the purposes of this permit, over-packed drum or lab pack means a drum which contains small individual containers of hazardous waste that are over packed and surrounded by absorbent material.
- (B) The Permittee shall repeat the pre-acceptance evaluation as described in the Waste Analysis Plan for each waste stream that is a candidate for delivery to the Facility either:
- (1) Every 12 months, or
 - (2) When a generator notifies the Permittee that the process generating the waste has changed, or
 - (3) If the Permittee has reason to suspect that the waste is not in conformance with pre-acceptance documentation.
- (C) The Permittee shall conduct the "Supplemental Analyses" described in the Waste Analysis Plan to ensure that waste received at each hazardous waste management unit meets the pre-acceptance criteria for that unit and any other criteria specified in section

12.4.0 of the Waste Analysis Plan, Part 12 of the Operation Plan for each specific unit.

Waste that does not meet any acceptance criteria for a unit may be accepted at that unit on a case-by-case basis provided that:

- (1) the Permittee conducts all of the "Supplemental Analyses" applicable to the unit;
 - (2) the results of the analyses indicate that the waste may be accepted at the unit without violating any other condition of the permit; and
 - (3) the results of the analyses and the decision to accept the waste at the unit are documented in the operating record on the "Special Waste Management Decision Form" described in the Waste Analysis Plan or an equivalent form.
- (D) The Permittee shall not change the pre-acceptance criteria in section 12.4.0 of the Waste Analysis Plan without prior approval by DTSC. This approval will require a permit modification in accordance with California Code of Regulations, title 22, sections 66270.41 and 66271.4.

31. Unless otherwise specified, all information required to be submitted to DTSC pursuant to this Permit, shall be submitted as follows:
- (A) The original document shall be submitted to: Permitting Division, Hazardous Waste Management Program, Department of Toxic Substances Control, 8800 Cal Center Drive, Sacramento, California 95826. Oral notices and reports shall be made to the Office of Permitting project manager for the Facility and to the Clovis Compliance Unit at (559) 317-7413.
 - (B) One copy shall be submitted to: Clovis Compliance Unit, Department of Toxic Substances Control, 1515 Tollhouse Road, Clovis, California 93611.
 - (C) One copy shall be submitted to: Executive Officer, Regional Water Quality Control Board, Central Valley Region, 1685 E Street, Fresno, California 93706- 2025.
 - (D) One electronic copy shall be submitted to the U.S. Environmental Protection Agency (EPA) - Region 9 Kettleman Project Manager. In the event a hard copy is required by EPA, it should be submitted to: Project Manager, Kettleman Hills Facility (CAT 000 646 117), Permits Office (Attn: LND-4-2), Land, Chemicals & Redevelopment Division, U.S. Environmental Protection Agency - Region 9, 75 Hawthorne Street, San Francisco, CA 94105.
 - (E) One copy shall be submitted to: Director, Division of Environmental Health Services, Kings County Department of Public Health, 330 Campus Drive, Hanford, California 93230.

DTSC will notify the Permittee of changes in this distribution list.

32. Site Construction Activities

- (A) The Permittee shall follow the unit-specific construction procedures and design specifications that have been approved by DTSC when performing any new unit construction or closure construction related activity at the Facility.
- (B) DTSC authorizes the Permittee to make minor modifications to design plans, specifications, and quality assurance and quality control procedures for any new unit construction or closure construction related activity, without prior approval by DTSC, provided that the minor modifications meet the following three conditions:
 - (1) The modification will in no way affect the performance standard or the original intent of the plans and specifications approved by DTSC.
 - (2) The modifications will in no way reduce the effectiveness of the QA/QC effort used to ensure the quality and consistency of the materials and workmanship used to meet the performance standards in the plans and specifications approved by DTSC.
 - (3) All minor modifications to the plans, specifications, and QA/QC documents are clearly identified, described, and justified in the construction certification report and as-built drawings submitted for DTSC's approval following completion of the construction activities.

When minor modifications are necessary, the Permittee shall notify DTSC of these minor modifications no later than seven (7) days after such minor modifications are determined by the Permittee to be necessary.

33. Requirements to Mitigate Disturbance to Endangered Species

- (A) The Permittee shall implement the Mitigation and Monitoring Plan for the Chemical Waste Management, Inc., Kettleman Hills Facility in Kings County, California (BioSystems Analysis, Inc. January 11, 1990, revised May 1, 1990, September 6, 1990, March 15, 1991, April 1, 1991, and April 26, 1991, hereinafter called the "Mitigation Plan.") This Mitigation Plan describes methods the Permittee will use to mitigate disturbance of endangered species during construction, operation, and maintenance of the Facility. Upon issuance of this permit, the Permittee shall designate a contact representative to keep the U.S. Fish and Wildlife Service, Sacramento Endangered Species Office, and the California Department of Fish and Wildlife, apprised of the status of ongoing efforts to protect listed species during construction, operation and maintenance of the Facility.
- (B) If the established limit of incidental take of the San Joaquin kit fox or blunt-nosed leopard lizard is exceeded, the Permittee shall cease the causative action and within five days of the most recent mortality, the Permittee shall consult with the U.S. Fish and Wildlife Service. The limit of incidental take is established in the "Formal Endangered Species Consultation on the Chemical Waste Management, Inc., Kettleman Hills Hazardous Waste Facilities Operation, Kings County, California," U.S. Fish and Wildlife Service, May 2, 1991.

- (C) The Permittee shall notify the U. S. Fish and Wildlife Service, Sacramento Endangered Species Office, and the California Department of Fish and Wildlife, in writing within three days of finding any dead or injured endangered species. This notification must include the date, time, and location of the incident or of the finding of a dead or injured animal, and any other pertinent information. Any endangered species found dead or injured must be turned over to the California Department of Fish and Wildlife for care or analysis.
 - (D) The Permittee shall comply with all the terms of the September 5, 2012, Biological Opinion (81420-2012-F-0044-2) issued by the U. S. Fish and Wildlife Service to the United States Environmental Protection Agency for the Chemical Waste Management Kettleman Hills Facility, including without limitation, the Reasonable and Prudent Measures, Terms and Conditions and Reporting Requirements of the Incidental Take Statement included in the Biological Opinion.
34. Response to and reporting of spills, leaks, or releases of hazardous waste
- (A) The Permittee shall comply with California Code of Regulations, title 22, section 66264.175(b)(5) in response to any spill or leak of hazardous waste or accumulated precipitation within the containment system in the container transfer or storage areas.
 - (B) The Permittee shall comply with California Code of Regulations, title 22, section 66264.196(b) in response to any spill or leak of a tank system or its secondary containment.
 - (C) For any spill or leak of hazardous waste not covered by subsection (A) or (B) above, the Permittee shall comply with the following requirements:
 - (1) The Permittee shall remove the spilled or leaked hazardous waste at the Facility from, and shall clean, the affected surface within eight hours of discovery of the spill or leak, regardless of whether such a spill or leak requires the Permittee to implement its contingency plan or any emergency procedures, or whether the hazardous waste is released into the environment as a result of the spill or leak.
 - (2) The Permittee shall record any spill or leak of hazardous waste at the Facility and steps taken to address it, regardless of whether such a spill or leak requires the Permittee to implement its contingency plan or any emergency procedures, or whether the hazardous waste is released into the environment as a result of the spill or leak, in its operating record within 24 hours of the discovery of the spill or leak and shall make the operating record available for review upon DTSC's request.
 - (D) In the event the Permittee discovers a release or a threat of a release of hazardous waste or constituents or identifies an immediate or potential threat to human health or the environment, the Permittee shall notify DTSC orally within 24 hours of discovery and notify DTSC in writing within 10 days of the

release or threat of a release. The written notification shall summarize the findings, including the immediacy and magnitude of any potential threat to human health or the environment. The written notification shall also include, but not be limited to, an identification of the material, the amount released, the location of the release, a description of how the release occurred, how practices will be adjusted to prevent future similar releases, the name of the person responsible for the cleanup, and photo documentation of the location.

For the purpose of Section V.5.(D) of this permit, the term “constituent” means: (a) a constituent identified in Appendix VIII to chapter 11 of division 4.5 of title 22 of California Code of Regulations which is a component of a hazardous waste or leachate and which has a physical or chemical property that causes the waste or leachate to be identified as a hazardous waste; or (b) any other element, chemical compound, or mixture of compounds which is a component of a hazardous waste or leachate and which has a physical or chemical property that causes the waste or leachate to be identified as a hazardous waste.

- (E) The requirements in sections (A) through (D) above are in addition to, and do not replace, any other response or reporting requirements or corrective action requirements imposed by applicable laws, regulations, orders, agreements, or this Permit, including the requirements of California Code of Regulations, title 22, section 66264.56 regarding emergency procedures and Health and Safety Code section 25359.4 regarding a release of reportable quantity of hazardous substances.

35. Heavy-duty diesel trucks

- (A) The Permittee shall prohibit entry to the facility of any heavy-duty diesel truck delivering material with a hazardous waste manifest if that truck is equipped with a pre-2010 model year emission equivalent engine. However, the Permittee may allow a heavy-duty diesel truck equipped with a pre-2010 model year emission equivalent engine to enter the facility once, provided that the Permittee shall notify the driver and the trucking company of this requirement and document such notification. After this notification, the pre-2010 model year emission equivalent engine may enter the facility once, after which the non-compliant truck will be prohibited.
- (B) Permittee’s Record keeping and notification responsibilities for pre-2010 model trucks that were allowed access to the facility.
 - (1) The Permittee shall record the date first allowed access, identity of the trucking company, the Vehicle Identification Number, and engine model year emission standard information for each heavy-duty diesel truck and maintain that information on file at the facility for three years.
 - (2) The Permittee shall notify DTSC in writing within 30 days of allowing any heavy-duty diesel truck equipped with a prohibited model year emission

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equivalent engine access to the facility. The notification shall include the date allowed access, identity of the trucking company and the Vehicle Identification Number of the truck.

- (3) The Permittee shall notify DTSC in writing within 30 days of refusing access to the facility by any heavy-duty diesel truck equipped with a prohibited model year emission equivalent engine. The notification shall include the date the truck was denied access, identity of the trucking company and the Vehicle Identification Number of the truck. If the Permittee is unable to obtain this information, the notice shall state the reasons why such efforts were unsuccessful.

- (C) This condition shall not apply in the event of a California declared State of Emergency that requires disposal of hazardous waste.

PART VI: CORRECTIVE ACTION

The Permittee shall conduct corrective action at the Facility pursuant to California Health and Safety Code sections 25187 and 25200.10. Corrective action shall be carried out either under a Corrective Action Consent Agreement or an Enforcement Order for Corrective Action pursuant to Health and Safety Code section 25187.

1. To the extent that work being performed pursuant to Part VI of the Permit must be done on property not owned or controlled by the Permittee, the Permittee shall use its best efforts to obtain access agreements necessary to complete work required by this Part of the Permit from the present owner(s) of such property within 30 days of approval of any workplan for which access is required. "Best efforts" as used in this paragraph shall include, at a minimum, a certified letter from the Permittee to the present owner(s) of such property requesting access agreement(s) to allow the Permittee and DTSC and its authorized representatives access to such property and the payment of reasonable sums of money in consideration of granting access. The Permittee shall provide DTSC with a copy of any access agreement(s). In the event that agreements for the access are not obtained within 30 days of approval of any workplan for which access is required, or of the date that the need for access becomes known to the Permittee, the Permittee shall notify DTSC in writing within 14 days thereafter regarding both efforts undertaken to obtain access and its failure to obtain such agreements. In the event DTSC obtains access, the Permittee shall undertake approved work on such property. If there is any conflict between this permit condition on access and the access requirements in any agreement entered into between DTSC and the Permittee, this permit condition on access shall govern.
2. Nothing in Part VI of the Permit shall be construed to limit or otherwise affect the Permittee's liability and obligation to perform corrective action including corrective action beyond the facility boundary, notwithstanding the lack of access. DTSC may determine that additional on-site measures must be taken to address releases beyond the Facility boundary if access to off-site areas cannot be obtained.

PART VI. SUBMITTAL SCHEDULE

1. REQUIRED SUBMITTALS

The Permittee shall submit reports and other information to DTSC in accordance with the following schedule. All submittals to DTSC must be signed and certified in accordance with California Code of Regulations, title 22, division 4.5, chapter 20, article 2.

Frequency	Definition
Monthly	Twelve times per calendar year by the 15 th day of the following month (unless otherwise indicated).
Quarterly	Four times per calendar year by the 15 th day of the month following the close of the three-month period (unless otherwise indicated).
Semi-annual	Two times per calendar year. January through June and July through December. Reports are due by the end of the quarter following the close of the six-month period (unless otherwise indicated).
Annual	Once per calendar year, by March 1 st of the following year (unless otherwise indicated).
As necessary	Submit within 15 calendar days of the triggering event (unless otherwise indicated).

Frequency	Submittal
Monthly	Daily tonnage letter report
	Monthly monitoring report to RWQCB
Quarterly	Groundwater sampling schedule
	Ambient Air Monitoring Program (AAMP) Report
Semi Annual	Facility fees are paid in two installments of 50% each (due date as directed by the invoice).
	Class I Waste Management Units (WMU) Groundwater and Unsaturated Zone Monitoring Report
Annual	Waste minimization and toxicity reduction certification [Cal. Code of Regs., tit. 22, §66264.75(h) and (i)].
	Annual report [Cal. Code of Regs., tit. 22, §66264.75].
	Post-closure annual report [Cal. Code of Regs., tit. 22 §66264.228(k)&(r)].

	Annual Post Closure Inspection Report
	Annual evaluation of soil gas data
	Annual graph report
	Alternative source demonstration
	Annual aerial survey
	Annual Screening Level Health Risk Assessment (HRA)
	Leachate Collection and Removal System (LCRS) Fluid Analysis Report
As necessary	Report of incident that requires implementation of the contingency plan [Cal. Code of Regs., tit. 22, §66264.56(j)].
	Permit modifications [Cal. Code of Regs., tit. 22, §66270.42] (due dates will vary by modification type).
	Manifests for waste accepted [HSC 25160(e)(1)] (within 30 days of receipt).
	Twenty-four-hour reporting of noncompliance which may endanger health or the environment [Cal. Code of Regs., tit. 22, §66270.30(l)(6)] (orally within 24 hours and in writing within five days).
	Manifest discrepancy report [Cal. Code of Regs., tit. 22, §66270.30(l)(7)].
	Unmanifested hazardous waste report [Cal. Code of Regs., tit. 22, §66270.30(l)(8)].
	Tank Assessment Certifications (Every 5 years unless otherwise indicated)
	Any unexpected hazardous waste instability, including explosions, fires, or reactions at the Facility, and the steps taken to address it.

The submittals identified in the above tables may not be a complete list and the Permittee shall be responsible for determining if additional submittals are required by law.

2. EXTENSIONS

The Permittee may request an extension to the submittal date for any given deliverable by making a written request to DTSC. The request must state why the extension is necessary, must propose an alternate due date, and must be submitted at least seven calendar days prior to the scheduled submittal date. DTSC will respond to the extension request in writing. DTSC is under no obligation to approve the extension request and the absence of a response to an extension request does not

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constitute approval of the request. The approval of an extension request shall not impact the scheduled submittal date for future deliverables.

PART VII.FIGURES
FIGURE 1: REGIONAL LOCATION

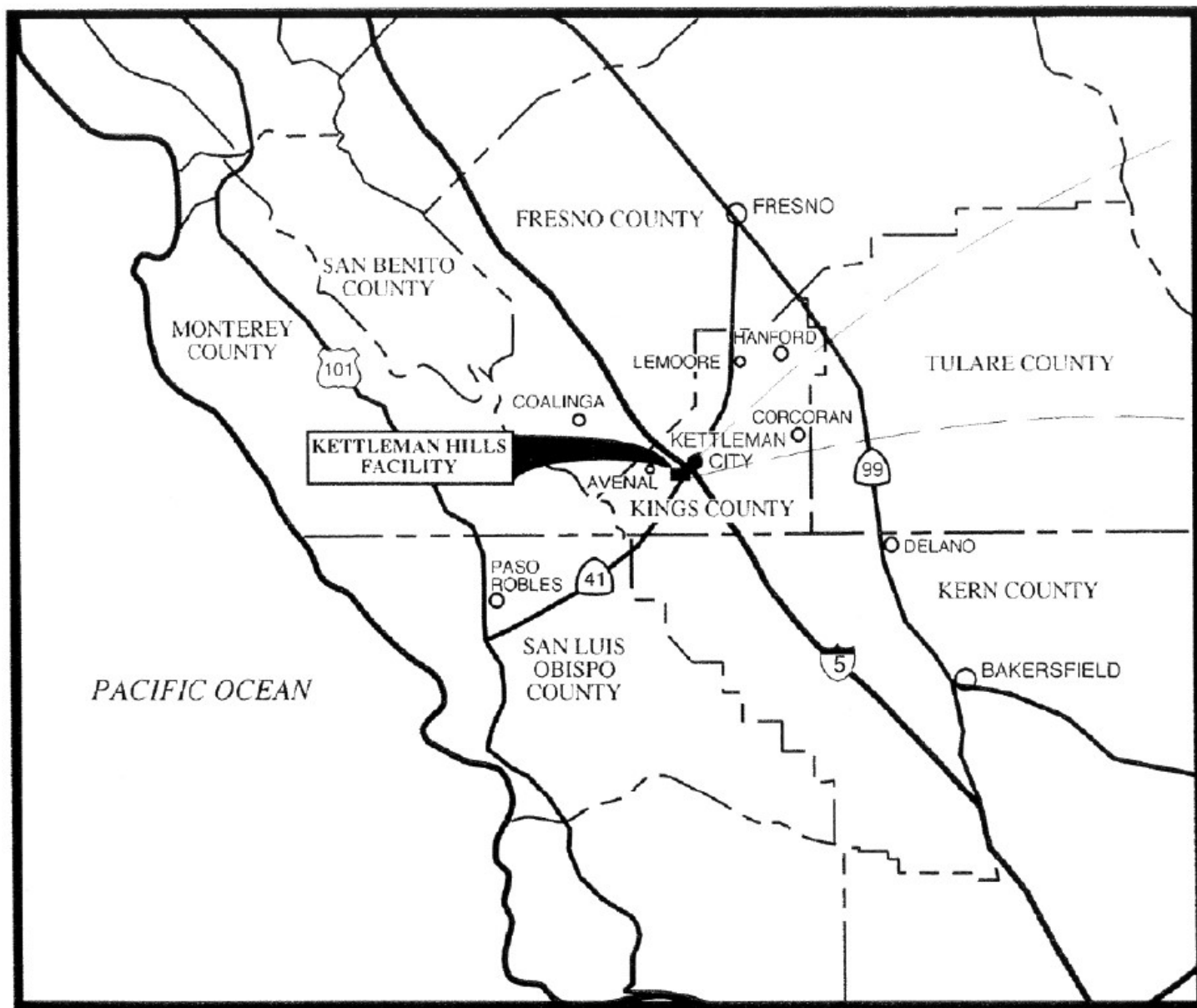


FIGURE 2: FACILITY LOCATION



Note: Facility is located approximately 4 miles southwest of Kettleman City

FIGURE 3: FACILITY LAYOUT

