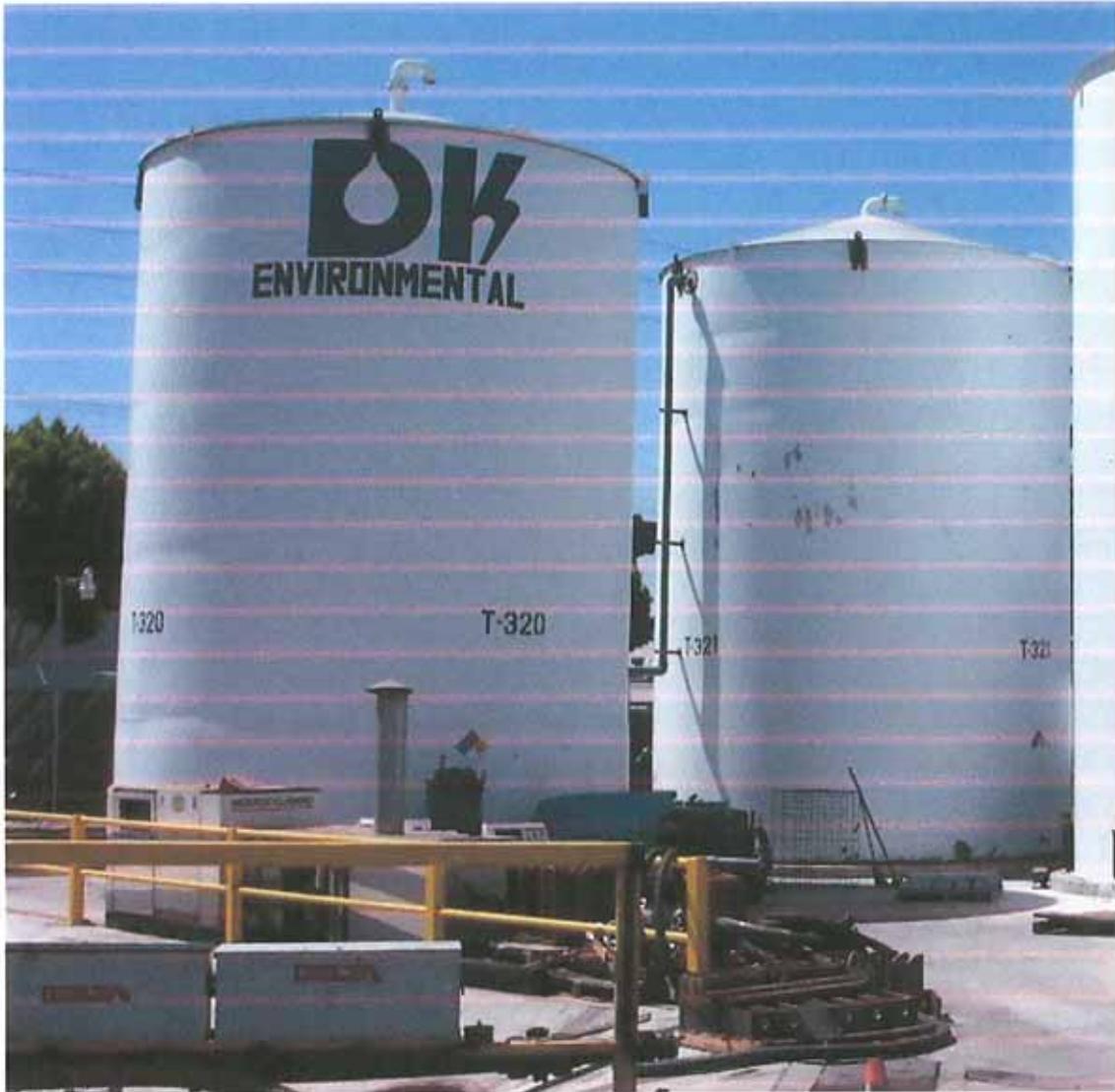


UNIT NAME	<b>Batch Discharge Tanks (BDT)</b>
LOCATION	<p>Tanks T-320 and T-321 are located within Area A.  Tanks T-101 and T-102 are located within Area C.  Tanks T-306 and T-307 are located within Area D.</p> <p>The location of this equipment and the boundaries of this waste management unit are shown in Figure IV-11 (initial).</p>
ACTIVITY TYPE	Tanks T-320, T-321, T-101, T-102, T-306, and T-307 – Accumulate pretreated wastewater.
ACTIVITY DESCRIPTION	<p>The Batch Discharge Tanks accumulate pretreated wastewater from various on site treatment and storage units prior to testing, and, typically, discharge to the Los Angeles County Sanitation District (LACSD) POTW. The discharge of pretreated wastewater from the Batch Discharge Tanks is authorized by LACSD Permit No 14633.</p> <p>Pretreated wastewater is pumped to the Batch Discharge Tanks from the various on-site treatment and storage units. Once a tank is sufficiently full, the feed valve to that tank is closed, isolating the contents of that tank, and the feed to one of the other Batch Discharge Tanks is opened.</p> <p>Once the lab testing confirms that the contents of the tank meet all of the discharge limitations, the tank contents are discharged into the LACSD sewer in the south corner of the facility.</p> <p>Should the lab results indicate that any of the discharge parameters are not met, the contents of that Batch Discharge Tank are retreated in the Batch Discharge Tank, and then re-sampled and retested, or transferred to other on-site units for additional treatment or storage. The contents may also be shipped off-site.</p>
PHYSICAL DESCRIPTION	Tanks T-320 and T-321 are each above ground, stainless steel, flat bottom tanks of 63,420-gallon capacity.
MAXIMUM CAPACITY	<p>Tanks T-320 and T-321; 63,420 gallons each.</p> <p>The throughput capacity of the Batch Discharge Tanks is only limited by the capacity units purchased from the LACSD</p>

	and may be increased at any time without a permit modification.
WASTES COME FROM	Wastes come to this unit from: M-1 Treatment Unit M-2 Treatment Unit M-11 Treatment Unit F-501 Treatment Unit F-502 Treatment Unit Wastewater Physical Separation Unit Wastewater Polishing Unit Solvent Wastewater Storage & Treatment Unit Storage & Treatment Tanks
WASTE GO TO	Pretreated wastewater from the Batch Discharge Tanks can go to the: LACSD sewer M-1 Treatment Unit M-2 Treatment Unit M-11 Treatment Unit Wastewater Physical Separation Unit Wastewater Polishing Unit Storage & Treatment Tanks Container Storage Unit West Railcar Loading & Unloading Unit Loading & Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only) Off-site Treatment and/or Disposal  Solids and sludges from the Batch Discharge Tanks can go to the: F-501 Treatment Unit F-502 Treatment Unit Storage & Treatment Tanks Container Storage Unit West Consolidation of Solids & Sludges Unit Bulk Solids Storage Unit Railcar Loading & Unloading Unit Loading & Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only) Off-site Treatment and/or Disposal
RCRA AIR EMISSION STANDARDS	Must comply with Article 28, Chapter 14, Division 4.5, Title 22 Cal Code Regs 66264 Subpart CC.

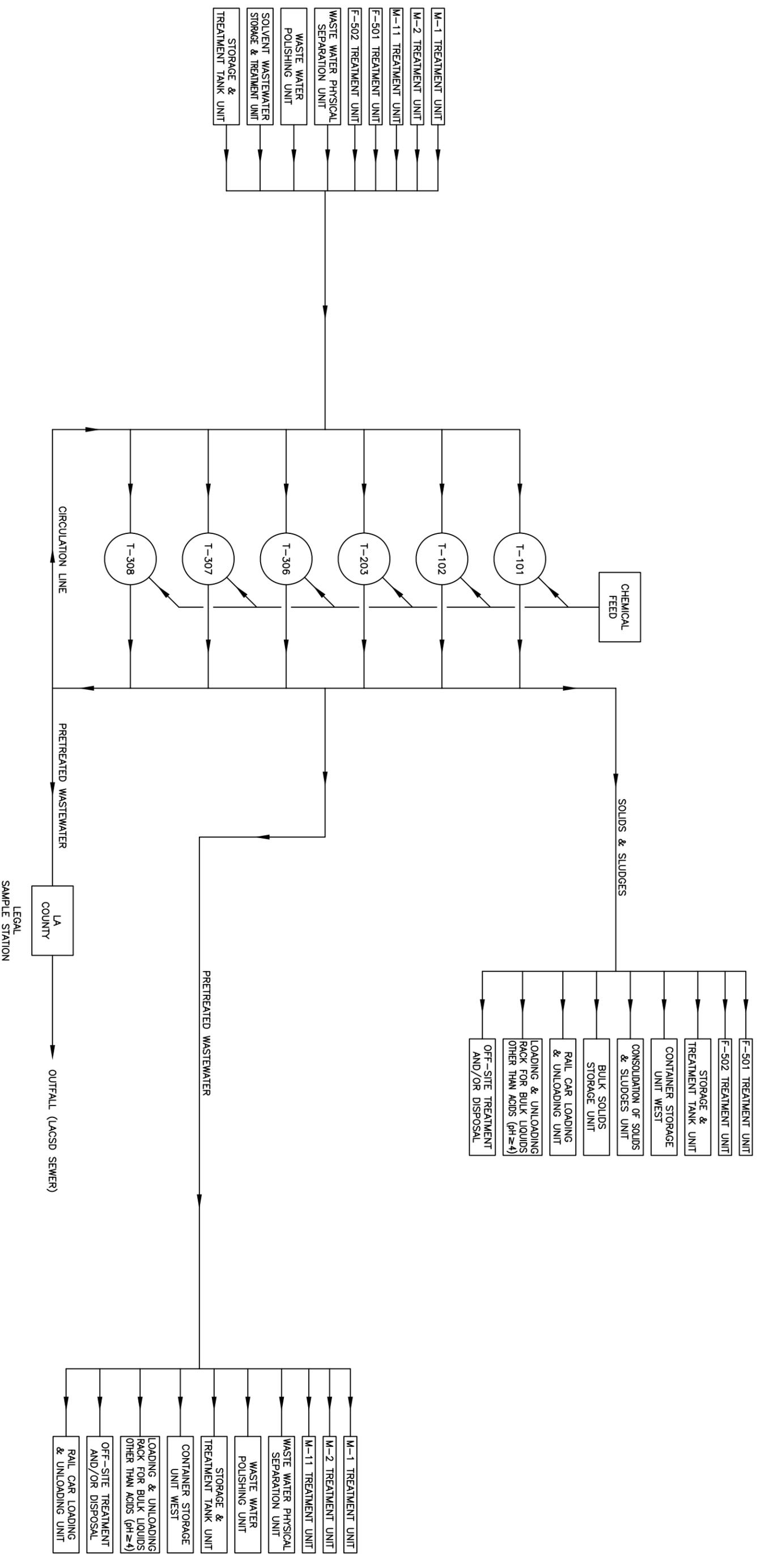
WASTE TYPE	"See Waste Comes From"
RCRA AND NON-RCRA HAZARDOUS WASTE CODES	<p>The tanks in this unit may only be used to store or treat the types of wastes listed above that are identified by any of the following RCRA and non-RCRA waste codes:</p> <p style="text-align: center;">RCRA:</p> <p style="text-align: center;">"See Waste Comes From"</p> <p style="text-align: center;">NON-RCRA:</p> <p style="text-align: center;">"See Waste Comes From"</p>
UNIT SPECIFIC SPECIAL CONDITIONS	None

## Batch Discharge Tanks



Tanks T-320 & T-321 are currently batch discharge tanks.





SCALE: NONE	REV	DATE	REVISION	CHK	APP
ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.	NC	4/22/04	INITIAL RELEASE, 4/22/2004-AV		
	A	5/20/04	UPDATED PER REDLINE, 5/20/2004-AV		
	B	7/14/05	UPDATED PER REDLINE, 7/14/2005-HE		

VERNON **DE** ENVIRONMENTAL CALIFORNIA

DWG TITLE: INITIAL PFD BATCH DISCHARGE TANKS

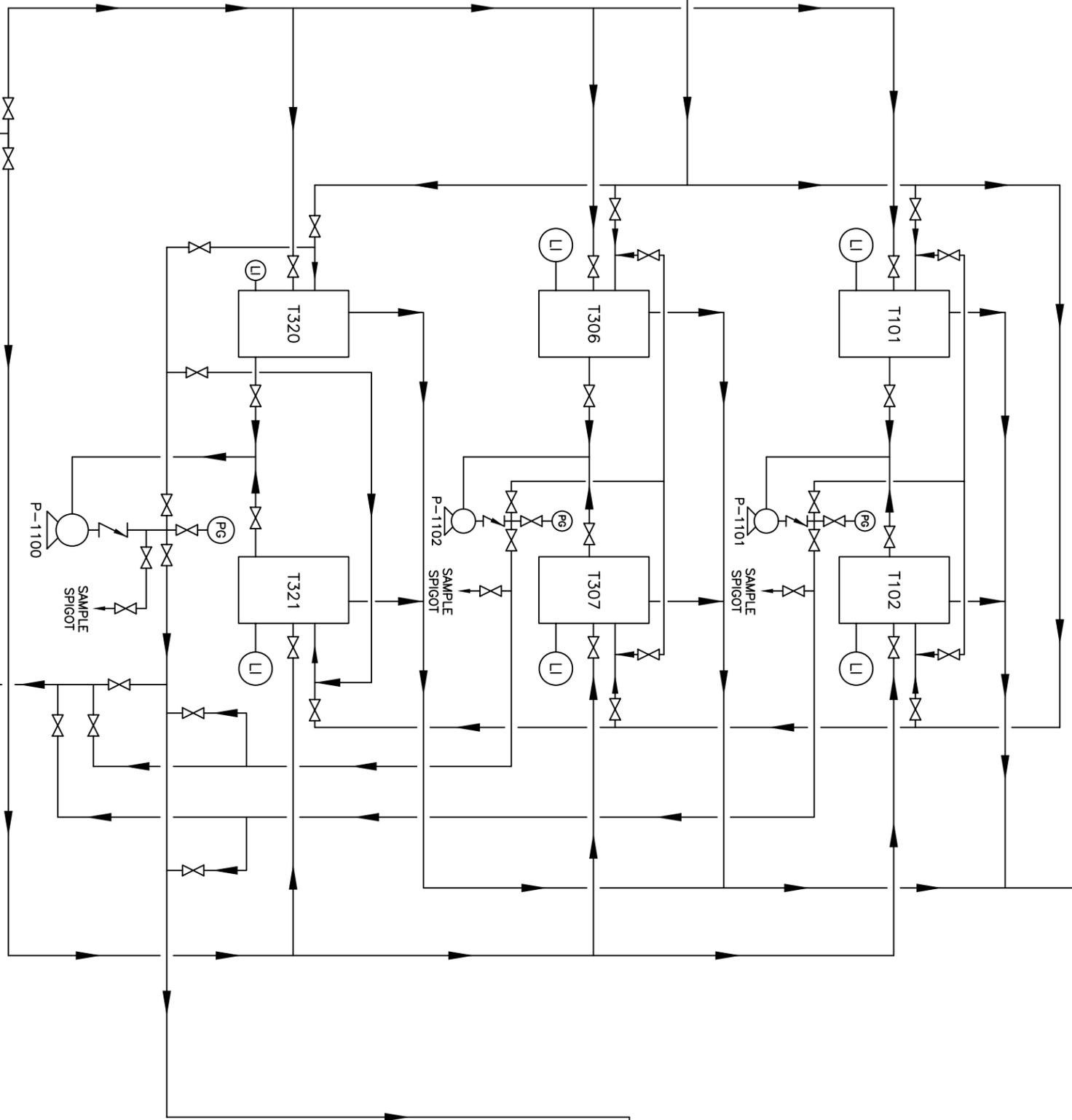
DWG #: DKE\_407

DRAWN BY: AV DATE: 4/22/2004

PAGE: 1 REV. B

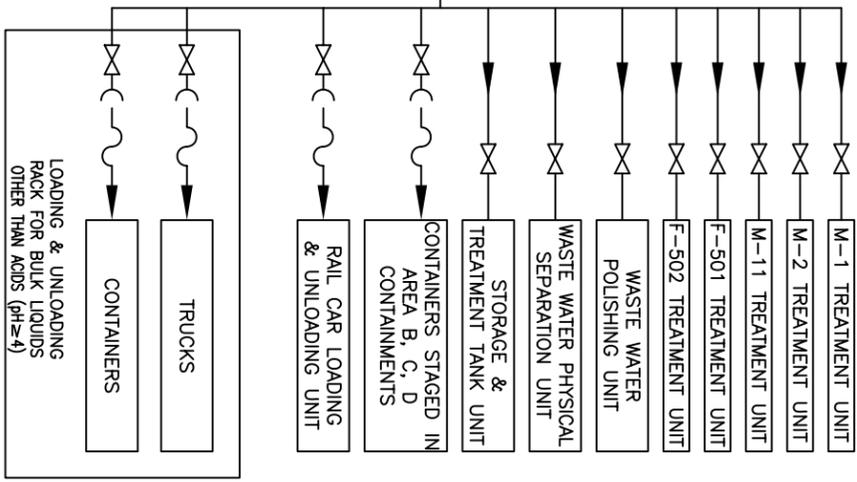
TO ORGANIC VAPOR RECOVERY SYSTEM

- M-1 TREATMENT UNIT
- M-2 TREATMENT UNIT
- M-11 TREATMENT UNIT
- F-501 TREATMENT UNIT
- F-502 TREATMENT UNIT
- WASTE WATER POLISHING UNIT
- WASTE WATER PHYSICAL SEPARATION UNIT
- SOLVENT WASTEWATER STORAGE & TREATMENT TANKS
- STORAGE & TREATMENT TANK UNIT



LEGAL SAMPLE STATION  
LA COUNTY

OUTFALL



NOTE:  
 (HLA) = HIGH LEVEL ALARM  
 (LI) = LEVEL INDICATOR  
 (PG) = PRESSURE GAUGE  
 CWT = CWT SAMPLE STATION

NOTE:  
 ALL PIPING IS SCHEDULE 80 PVC

SCALE:	REV	DATE	REVISION	CHK	APP
NONE	NC	5/24/04	INITIAL RELEASE, 5/24/2004-AV		
ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.	A	7/14/05	UPDATED PER REDLINE, 7/14/2005-HE		

**VERNON ENVIRONMENTAL CALIFORNIA**

DWG TITLE: INITIAL P & ID BATCH DISCHARGE TANKS  
 DRAWN BY: AV  
 DATE: 5/24/2004

DWG #: DKE\_1010  
 PAGE: 1  
 REV: A

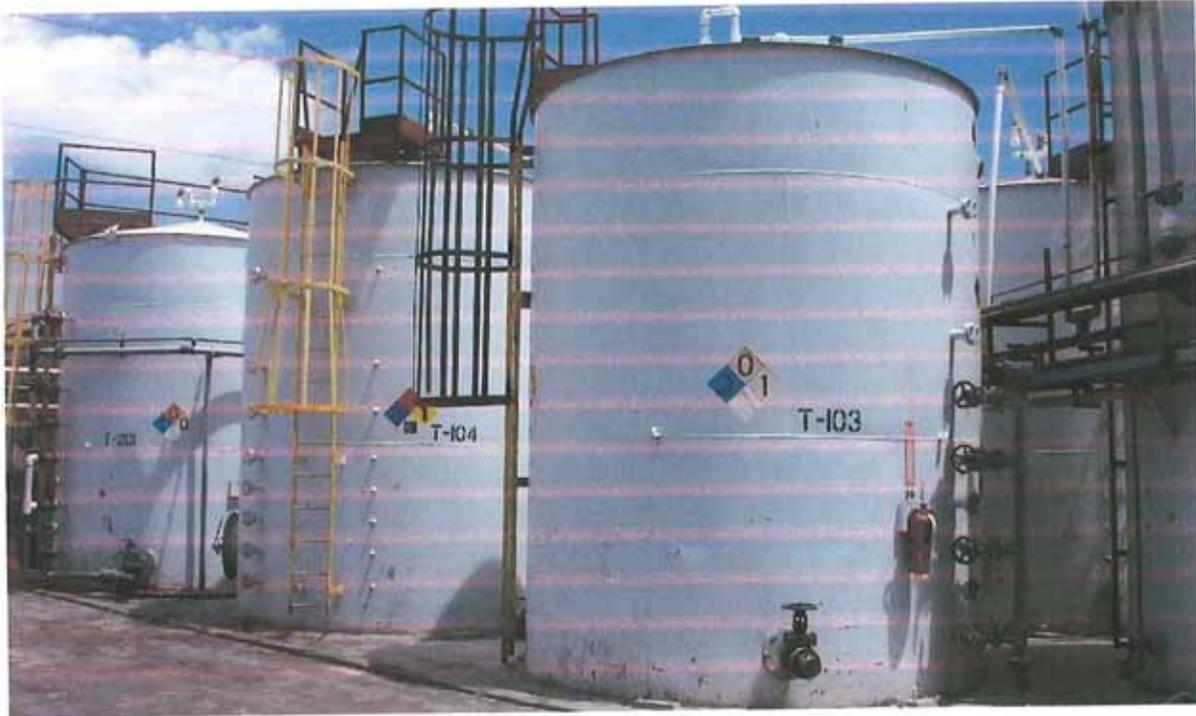
UNIT NAME	<b>Solvent Wastewater Storage and Treatment Unit (SWST)</b>
LOCATION	The Solvent Wastewater Storage & Treatment Unit is located within Area C. The location of this equipment and the boundary of this waste management unit are shown in Figure IV-12 (Initial).
ACTIVITY TYPE	Tanks T-103 and T-104; Storage in tanks & treatment in tanks (gravity separation, blending, chemical treating).
ACTIVITY DESCRIPTION	<p>The primary treatment processes employed are consolidation of wastes and gravity separation.</p> <p>When treating wastewater from the Solvent Wastewater Storage and Treatment Unit in the Wastewater Polishing Unit, the water phase from tanks T-103 or T-104 is pumped through CA-405 and CA-406 and then back into T-103 or T-104. The treated wastewater is tested to determine if it meets LACSD discharge limitations. If LACSD discharge parameters are met, the contents of the tank are transferred to a Batch Discharge Tank. If the wastewater fails for any discharge parameter, it can be re-circulated through CA-405 and CA-406 until testing demonstrates that discharge parameters are met. Alternatively, the wastewater may be transferred to another on site treatment unit, or be shipped off site.</p> <p>Any oil/emulsion phase which separates in T-103 or T-104 can be skimmed off and transferred to other on-site treatment units, or be shipped off-site.</p> <p>Bottom solids from tanks T-103 and T-104 can be transferred to other on-site treatment units, or be shipped off-site.</p>
PHYSICAL DESCRIPTION	Tanks T-103 and T-104 are vertical, above ground, carbon steel, flat bottom tanks.
MAXIMUM CAPACITY	Tank T-103 and T-104; 11,838 gallons each.
WASTES COME FROM	Wastes come to this unit from: Wastewater Polishing Unit Container Receiving & Inspection Unit

	<p>Container Storage Unit West  Railcar Loading &amp; Unloading Unit  Loading &amp; Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only)  Off-site Generators</p>
<p>WASTES GO TO</p>	<p>Waste Oil from the Solvent Wastewater Storage &amp; Treatment unit can go to the:  Container Storage Unit West  Railcar Loading &amp; Unloading Unit  Loading &amp; Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only)  Off-site Treatment and/or Disposal</p> <p>Wastewater from the Solvent Wastewater Storage &amp; Treatment unit can go to the:  Wastewater Polishing Unit (into CA-405 and CA-406 only)  Batch Discharge Tanks  Container Storage Unit West  Railcar Loading &amp; Unloading Unit  Loading &amp; Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only)  Off-site Treatment and/or Disposal</p> <p>Solids &amp; Sludges from the Solvent Wastewater Storage &amp; Treatment unit can go to the:  Container Storage Unit West  Consolidation of Solids &amp; Sludges Unit  Bulk Solids Storage Unit  Railcar Loading &amp; Unloading Unit  Loading &amp; Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only)  Off-site Treatment and/or Disposal</p>
<p>RCRA AIR EMISSION STANDARDS</p>	<p>Must comply with Article 28, Chapter 14, Division 4.5, Title 22 Cal Code Regs 66264 Subpart CC.</p>
<p>WASTE TYPE</p>	<p>Waste that contain solvents, organics, and metals including RCRA listed solvents and organics, and other similar wastes. These wastes are typically generated by equipment cleanout, tank rinsing, contaminated stormwater and</p>

	groundwater, general maintenance activities, and other similar activities.
RCRA AND NON-RCRA HAZARDOUS WASTE CODES	<p>The tanks in this unit may only be used to store or treat the types of wastes listed above that are identified by any of the following RCRA and non-RCRA waste codes:</p> <p style="text-align: center;">RCRA:</p> <p>D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043</p> <p>F001, F002, F003, F004, F005, F006, F007, F008, F009, F010, F011, F012</p> <p>K001, K002, K003, K004, K005, K006, K007, K008, K009, K010, K011, K013, K014, K015, K016, K017, K018, K019, K020, K021, K022, K023, K024, K028, K029, K030, K031, K032, K033, K034, K035, K036, K037, K038, K040, K041, K042, K043, K048, K049, K050, K051, K052, K061, K062, K069, K071, K073, K083, K084, K085, K086, K088, K098, K099, K104, K105, K106</p> <p>U001, U002, U003, U004, U005, U006, U007, U008, U009, U010, U011, U012, U014, U015, U016, U017, U018, U019, U020, U021, U022, U023, U024, U025, U026, U027, U028, U029, U030, U031, U032, U034, U035, U036, U037, U038, U039, U041, U042, U043, U044, U045, U046, U047, U048, U049, U050, U051, U052, U053, U055, U056, U057, U058, U059, U060, U061, U062, U063, U064, U066, U067, U068, U069, U070, U071, U072, U073, U074, U075, U076, U077, U078, U079, U080, U081, U082, U083, U084, U085, U086, U087, U088, U089, U090, U091, U092, U093, U094, U095, U096, U097, U098, U099, U101, U102, U105, U106, U107, U108, U109, U110, U111, U112, U113, U114, U115, U116, U117, U118, U119, U120, U121, U122, U123, U124, U125, U126, U127, U128, U129, U130, U131, U132, U133, U134, U135, U136, U137, U138, U140, U141, U142, U143, U144, U145, U146, U147, U148, U149, U150, U151, U152, U153, U154, U155, U157, U158, U159, U161, U162, U163, U164, U165, U166, U167, U168, U169, U170, U171, U172, U173, U174, U176, U177, U178, U179, U180, U181, U182, U183,</p>

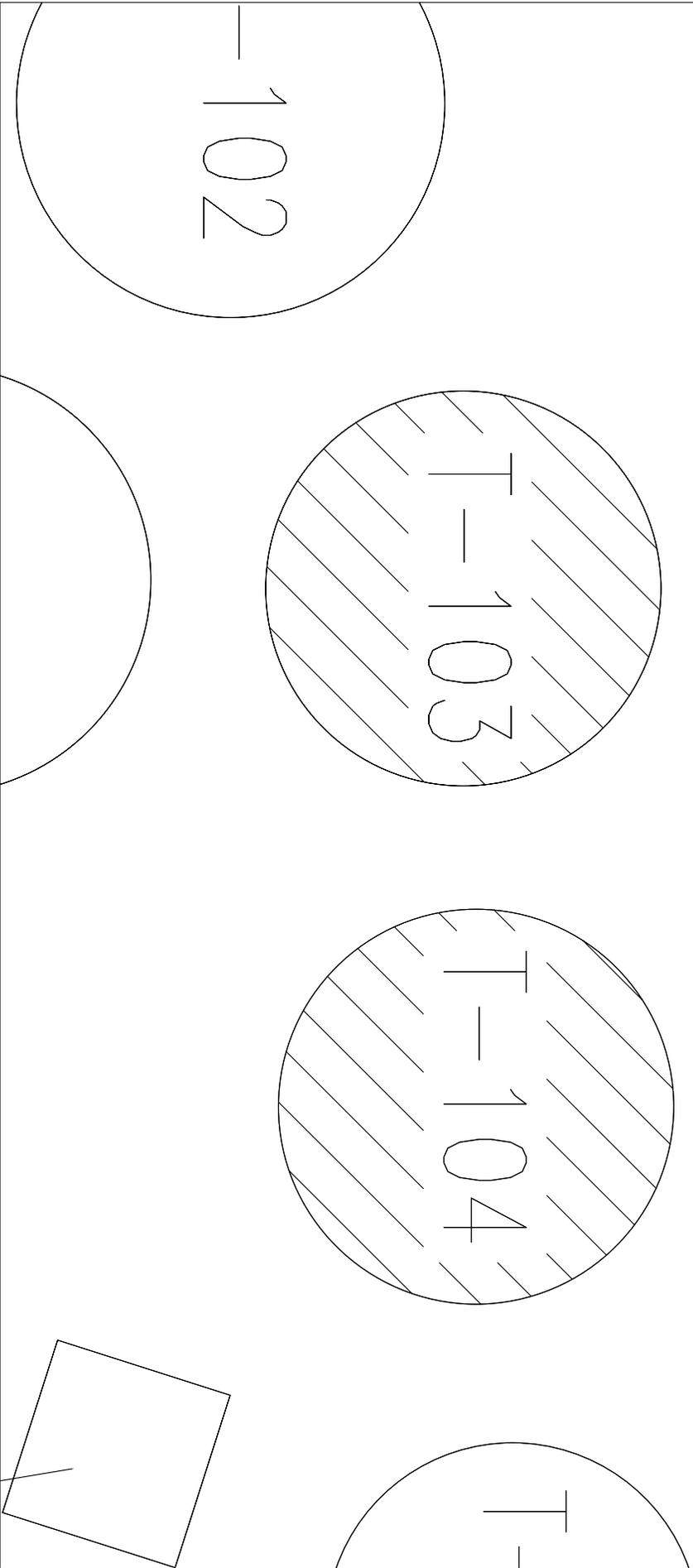
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## Solvent Wastewater Storage & Treatment Unit



T-103 & T-104

AREA C



REV	DATE	REVISION	CHK	APP
NC	4/24/2004	INITIAL RELEASE, KS 4/24/04-AV		

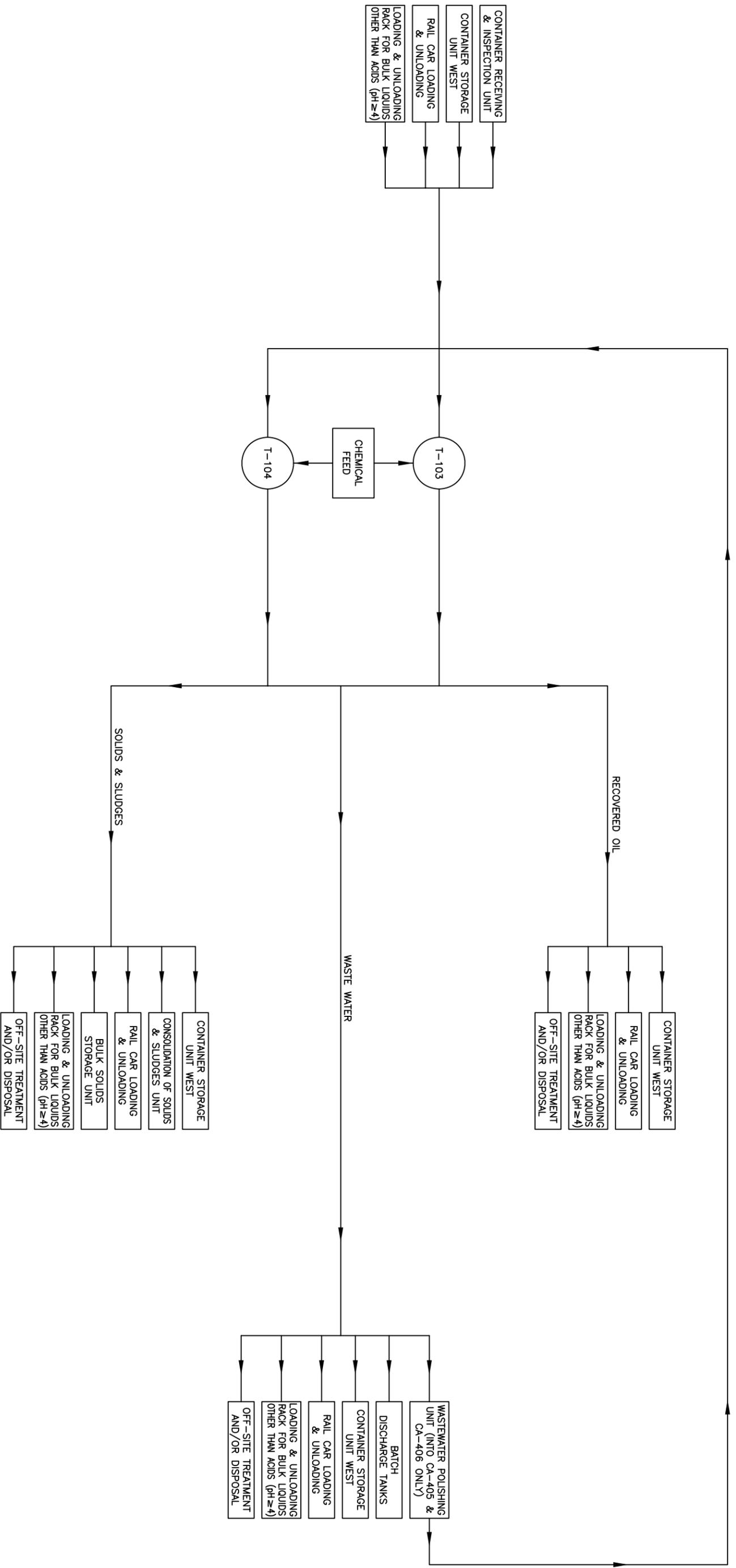
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DWG TITLE: SOLVENT WASTE WATER STORAGE & TREATMENT TANKS  
 DWG #: IV-12 (INITIAL)

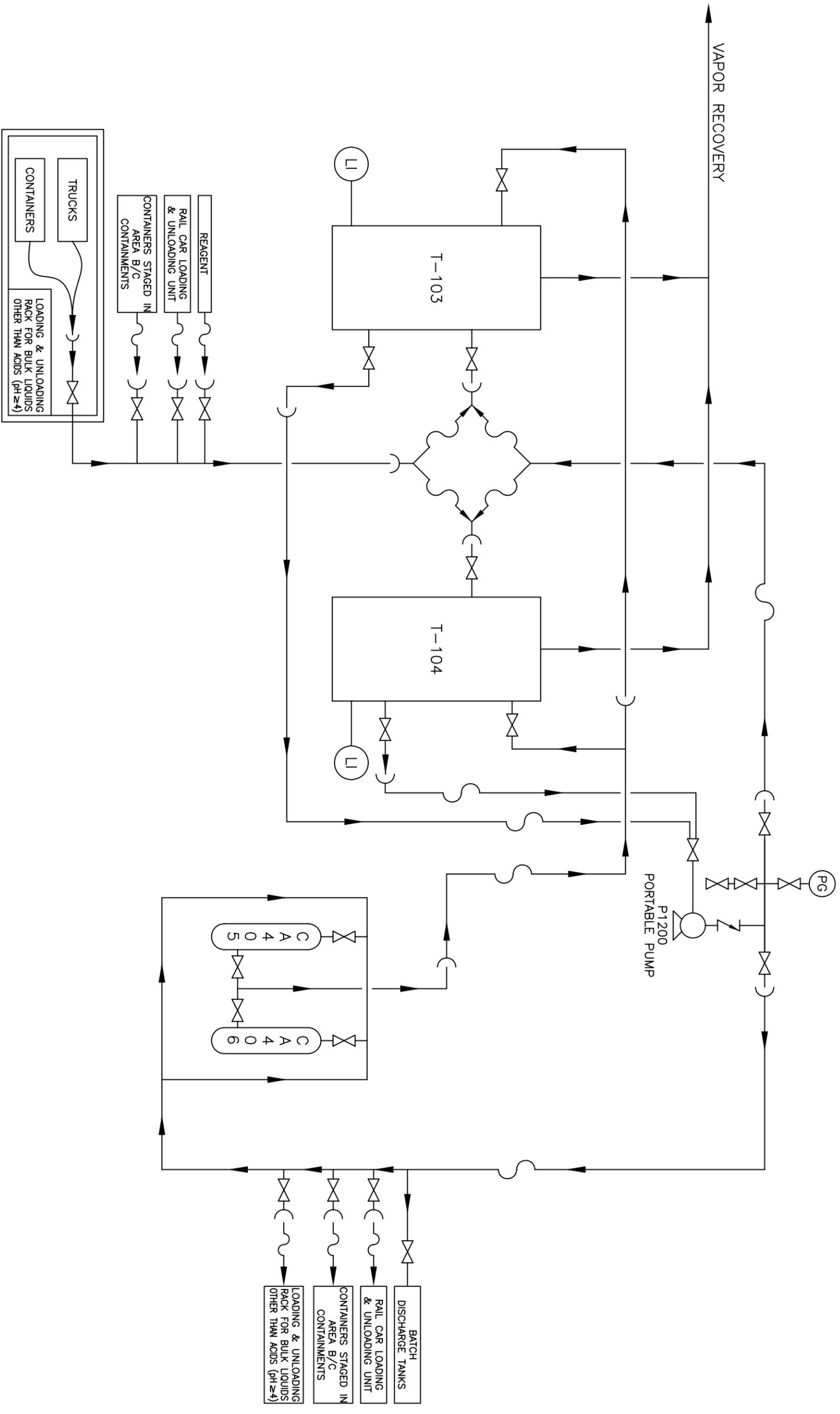
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SCALE: NONE		REV	DATE	REVISION	CHK	APP	DWG TITLE:	DWG #:
ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.		NC	4/22/04	INITIAL RELEASE, 4/22/2004-AV			INITIAL PFDS SOLVENT WASTE WATER STORAGE & TREATMENT UNIT	DKE_408
		A	5/20/04	UPDATED PER REDLINE, 5/20/2004-AV			DRAWN BY:	PAGE: 1
		B	7/13/05	UPDATED PER REDLINE, 7/13/2005-HE			AV	REV. B

VERNON **DE** ENVIRONMENTAL CALIFORNIA

NOTE:  
 (HLA) = HIGH LEVEL ALARM  
 (LI) = LEVEL INDICATOR  
 (PG) = PRESSURE GAUGE



NOTE:  
 ALL PIPING IS SCHEDULE 80 PVC

**DR** ENVIRONMENTAL  
 CALIFORNIA

REV	DATE	REVISION	CHK	APP	DWG TITLE:	DWG #:
NC	5/24/04	INITIAL RELEASE, 5/24/2004-AV			INITIAL P & ID	DKE_1008
A	7/13/05	UPDATED PER REDLINE, 7/13/2005-HE			SOLVENT WASTE WATER STORAGE & TREATMENT UNIT	

SCALE: NONE

ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.

VERNON	DATE:	PAGE:	REV.
	5/24/2004	1	A

UNIT NAME	<b>Storage and Treatment Tanks (STT)</b>
LOCATION	<p>T-309, T-310, T-311, and T-312 are located within Area A. T-725, T-761A, T-761B, and T-762 are located within Area B.</p> <p>T-001, T-201, T-202, and T-780 are located within Area C. T-203, T-204, T-210, T-308, T-720, T-720A, and T-721 are located within Area D.</p> <p>The location of this equipment and the boundary of this waste management unit are shown in Figure IV-13 (Initial).</p>
ACTIVITY TYPE	<p>Tanks Tanks T-001, T-201, T-202, T-203, T-204, T-210, T-308, T-309, T-310, T-311, T-312, T-720, T-720A, T-721, T-725, T-761A, T-761B, T-762, and T-780.; Storage in tanks and treatment in tanks (consolidation of wastes, blending, chemical treatment, and gravity separation).</p>
ACTIVITY DESCRIPTION	<p>This unit blends and consolidates compatible wastes in tanks from other sources prior to treatment on-site in other units or shipment off-site to authorized facilities.</p> <p>Chemicals may be added to these tanks to adjust pH, break emulsions, precipitate and settle metals, reduce low levels of hexavalent chrome, oxidize low levels of organics, sulfides, or cyanides, or aid in further treatment.</p> <p>Recovered Oil may be produced in this unit if testing the oil shows it to meet the purity standards.</p>
PHYSICAL DESCRIPTION	<p>Tank T-725 – 2,700 gallon, vertical, above ground, cross-linked polyethylene, flat bottom</p> <p>Tank T-001 – 6,000 gallon, vertical, above ground, cross-linked polyethylene, flat bottom</p> <p>Tank T-720 – 6,000 gallon, vertical, above ground, FRP (fiber reinforced polyester), flat bottom</p> <p>Tank T-720A – 2,937 gallon, vertical, above ground, FRP, flat bottom</p> <p>Tank T-311 – 2,725 gallon, vertical, above ground, FRP, flat bottom</p>

	<p>Tank T-312 – 2,725 gallon, vertical, above ground, FRP, flat bottom</p> <p>Tank T-201 – 11,838 gallon, vertical, above ground, carbon steel, flat bottom</p> <p>Tank T-204 – 11,838 gallon, vertical, above ground, carbon steel, flat bottom</p> <p>Tank T-210 – 11,838 gallon, vertical, above ground, carbon steel, flat bottom</p> <p>Tank T-780 – 11,838 gallon, vertical, above ground, carbon steel, flat bottom</p> <p>Tank T-309 – 16,800 gallon, horizontal, above ground, carbon steel, dished head</p> <p>Tank T-310 – 16,800 gallon, horizontal, above ground, carbon steel, dished head</p> <p>Tank T-203 – 16,065 gallon, vertical, carbon steel, flat bottom</p> <p>Tank T-308 – 16,065 gallon, vertical, carbon steel, flat bottom</p> <p>Tank T-202 – 32,882 gallon, vertical, carbon steel, flat bottom</p> <p>Tank T-721 – 6,409 gallon, horizontal, above ground, FRP, dished head</p> <p>Tank T-761A – 1,450 gallon, vertical, above ground, cross-linked polyethylene, flat bottom</p> <p>Tank T-761B – 1,000 gallon, vertical, above ground, cross-linked polyethylene, flat bottom</p> <p>Tank T-762 – 1,450 gallon, vertical, above ground, cross-linked polyethylene, flat bottom</p>
MAXIMUM CAPACITY	Tank T-725 – 2,700 gallon

	<p>Tank T-001 – 6,000 gallon</p> <p>Tank T-720 – 6,000 gallon</p> <p>Tank T-720A – 2,937 gallon</p> <p>Tank T-311 – 2,725 gallon</p> <p>Tank T-312 – 2,725 gallon</p> <p>Tank T-201 – 11,838 gallon</p> <p>Tank T-204 – 11,838 gallon</p> <p>Tank T-210 – 11,838 gallon</p> <p>Tank T-780 – 11,838 gallon</p> <p>Tank T-309 – 16,800 gallon</p> <p>Tank T-310 – 16,800 gallon</p> <p>Tank T-203 – 16,065 gallon</p> <p>Tank T-308 – 16,065 gallon</p> <p>Tank T-202 – 32,882 gallon</p> <p>Tank T-721 – 6,409 gallon</p> <p>Tank T-761A – 1,450 gallon</p> <p>Tank T-761-B – 1,000 gallon</p> <p>Tank T-762 – 1,450 gallon</p>
<p>WASTES COME FROM</p>	<p>Wastes come to this unit from:</p> <ul style="list-style-type: none"> <li>M-1 Treatment Unit</li> <li>M-2 Treatment Unit</li> <li>M-11 Treatment Unit</li> <li>F-501 Treatment Unit</li> <li>F-502 Treatment Unit</li> <li>Wastewater Physical Separation Unit</li> <li>Wastewater Polishing Unit</li> <li>Batch Discharge Tanks</li> </ul>

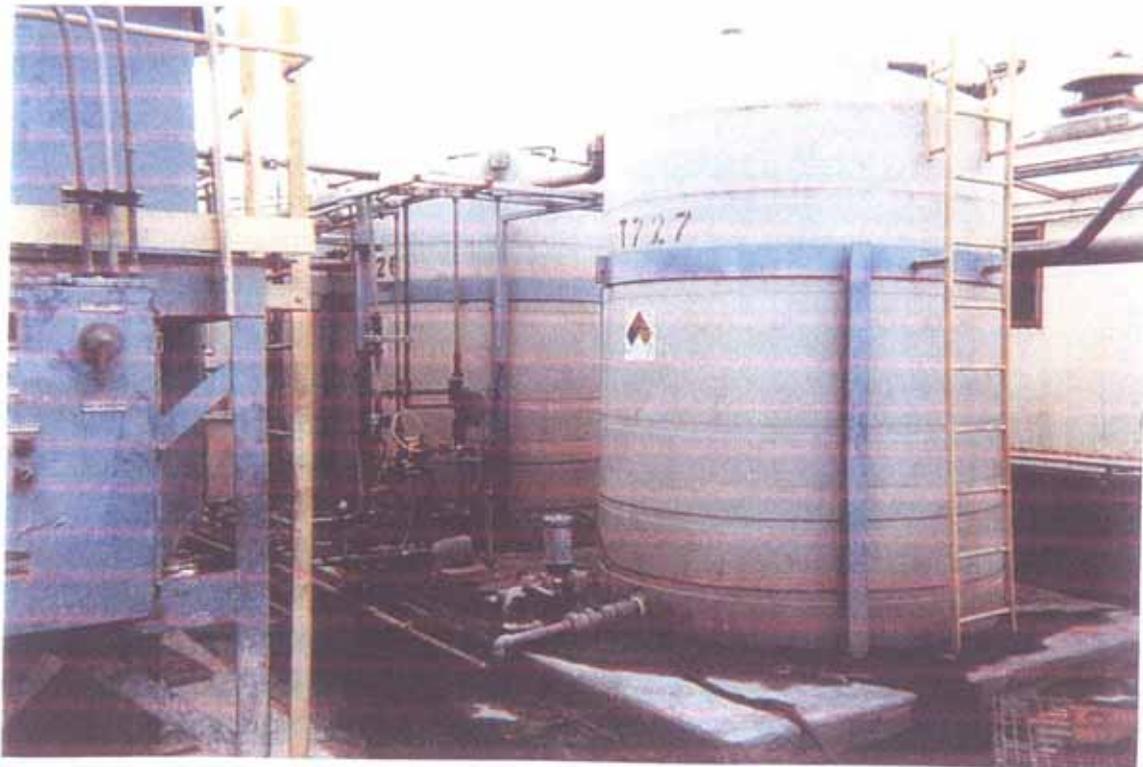
	<p>Container Receiving &amp; Inspection Unit          Container Storage Unit West          Railcar Loading &amp; Unloading Unit          Loading &amp; Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only)          Off-site Generators</p>
<p>WASTE GO TO</p>	<p>Waste Oil from the Storage &amp; Treatment Tanks can go to the:</p> <ul style="list-style-type: none"> <li>M-1 Treatment Unit</li> <li>M-2 Treatment Unit</li> <li>Container Storage Unit West</li> <li>Railcar Loading &amp; Unloading Unit</li> <li>Loading &amp; Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only)</li> <li>Off-site Treatment and/or Disposal</li> </ul> <p>Recovered Oil from the Storage &amp; Treatment Tanks can go to the:</p> <ul style="list-style-type: none"> <li>Container Storage Unit West</li> <li>Railcar Loading &amp; Unloading Unit</li> <li>Loading &amp; Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only)</li> <li>Off-site as a Product</li> </ul> <p>Liquids from the Storage &amp; Treatment Tanks can go to the:</p> <ul style="list-style-type: none"> <li>M-1 Treatment Unit</li> <li>M-2 Treatment Unit</li> <li>M-11 Treatment Unit</li> <li>F-501 Treatment Unit</li> <li>F-502 Treatment Unit</li> <li>Wastewater Physical Separation Unit</li> <li>Wastewater Polishing Unit</li> <li>Batch Discharge Tanks</li> <li>Container Storage Unit West</li> <li>Railcar Loading &amp; Unloading Unit</li> <li>Loading &amp; Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only)</li> <li>Off-site Treatment and/or Disposal</li> </ul> <p>Solids and sludges from the Storage &amp; Treatment Tanks can go to the:</p> <ul style="list-style-type: none"> <li>M-1 Treatment Unit</li> </ul>

	<p>M-2 Treatment Unit  M-11 Treatment Unit  F-501 Treatment Unit  F-502 Treatment Unit  Container Storage Unit West  Consolidation of Solids &amp; Sludges Unit  Bulk Solids Storage Unit  Railcar Loading &amp; Unloading Unit  Loading &amp; Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only)  Off-site Treatment and/or Disposal</p>
<p>RCRA AIR EMISSION STANDARDS</p>	<p>Must comply with Article 28, Chapter 14, Division 4.5, Title 22 Cal Code Regs 66264 Subpart CC.</p>
<p>WASTE TYPE</p>	<p>Pumpable aqueous liquids, solutions, slurries, and sludges-corrosives and wastes with metals, salts, and reactive anions-sulfide, cyanide, etc. (no D003), including: Waste corrosives from industrial activities. Metal bearing wastes from the metal plating, metal finishing, and electronics industries. Scale and rust removal wastes from boilers, heat exchangers, radiator shops, and various industrial activities, storm water and groundwater contaminated with metals, salts, corrosives, and/or reactive anions –sulfide, cyanide, etc. (no D003).</p> <p>Wastes from equipment cleaning and maintenance activities including tank and container cleaning, that result in wastes with corrosives, metals, salts, and/or reactive anions-sulfide, cyanide, etc. (no D003).</p> <p>Waste chemicals (aged, surplus, or off-specification), which contain corrosives, metals, salts, and/or reactive anions-sulfide, cyanide, etc. (no D003). Alum, gypsum, lime, phosphate, and similar sludges. Photochemical and photo processing wastes.</p> <p>Wastes from pollution control devices. Spill clean-ups. Other similar wastes.</p> <p>Oil and water emulsions-typically mixtures of oil, water, soaps (alkaline salts of organic acids), caustics, and surfactants, and, in some cases, containing corrosives and/or metals, including: Wastes from industrial equipment</p>

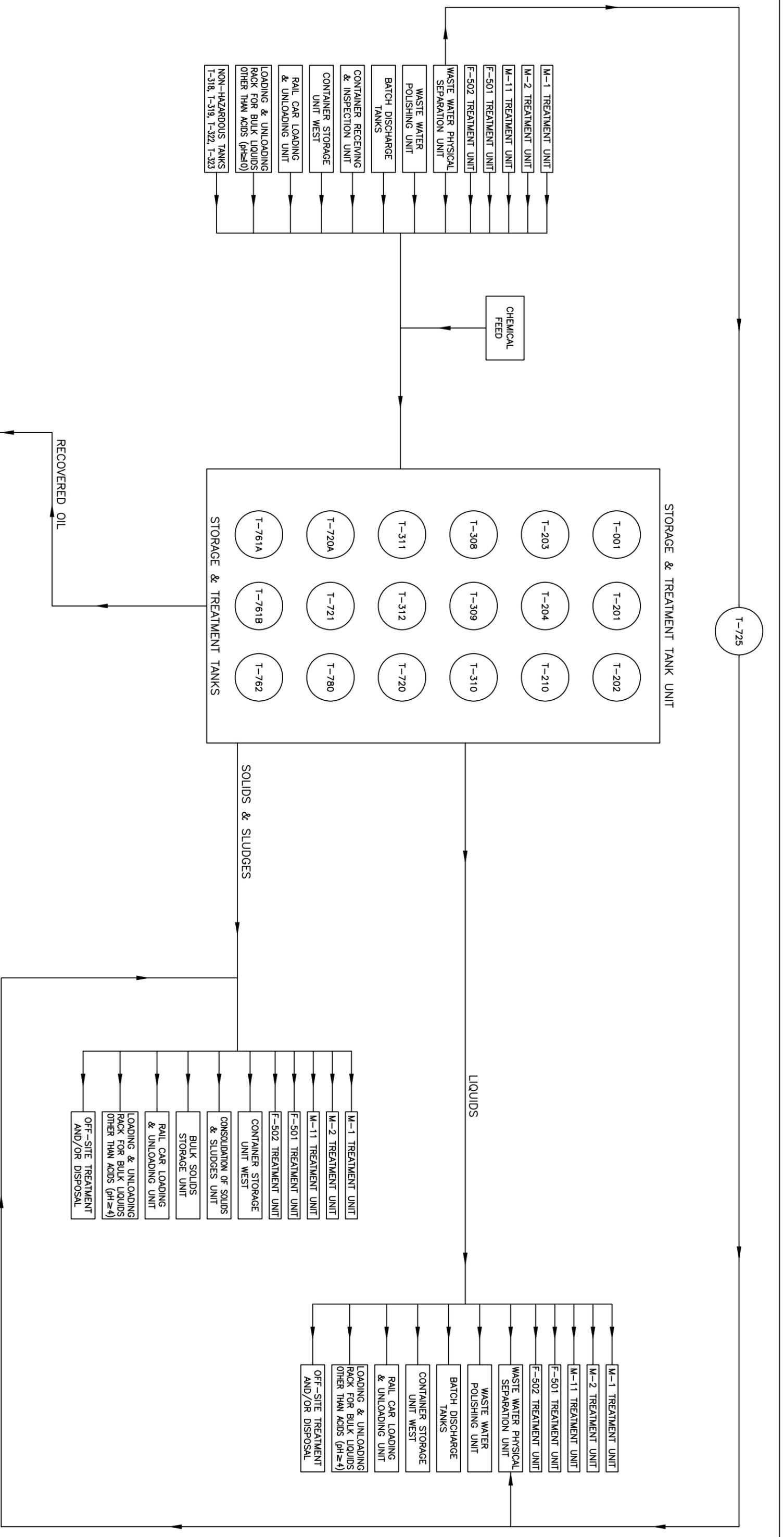
	<p>cleaning and maintenance activities using soaps and/or caustics. Water based and water soluble metal cutting and machining lubricating and cooling oils. Used Oils.</p> <p>Oils contaminated with corrosives. Waste chemicals (aged, surplus, or off-specification), which contain emulsified oil, soaps, surfactants, and/or caustics. Other emulsified industrial aqueous wastes. Other similar wastes.</p> <p>Non-hazardous waste waters such as groundwater, storm water, bilge, rinse wash waters. Other similar wastes.</p>
<p>RCRA AND NON-RCRA HAZARDOUS WASTE CODES</p>	<p>The tanks in this unit may only be used to store or treat the types of wastes listed above that are identified by any of the following RCRA and non-RCRA waste codes:</p> <p style="text-align: center;">RCRA:</p> <p>D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043</p> <p>F006, F007, F008, F009, F010, F011, F012</p> <p>K002, K003, K004, K005, K006, K007, K008, K048, K049, K050, K051, K052, K061, K062, K069, K071, K084, K086, K088, K106</p> <p>P010, P011, P012, P013, P021, P029, P030, P063, P074, P076, P078, P098, P099, P104, P106, P113, P114, P115, P119, P120, P121</p> <p>U032, U134, U135, U144, U145, U146, U151, U204, U205, U214, U215, U216, U217</p> <p style="text-align: center;">NON-RCRA:</p> <p>121, 122, 123, 131, 132, 133, 134, 135, 141, 161, 162, 171, 172, 181, 212, 213, 214, 221, 222, 223, 231, 241, 251, 252, 271, 272, 281, 291, 311, 331, 341, 342, 343, 351, 352, 411, 421, 431, 441, 451, 461, 471, 491, 521, 541, 551, 561, 581, 612, 711, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751</p>

UNIT SPECIFIC SPECIAL CONDITIONS	None

## Treatment & Storage Tanks







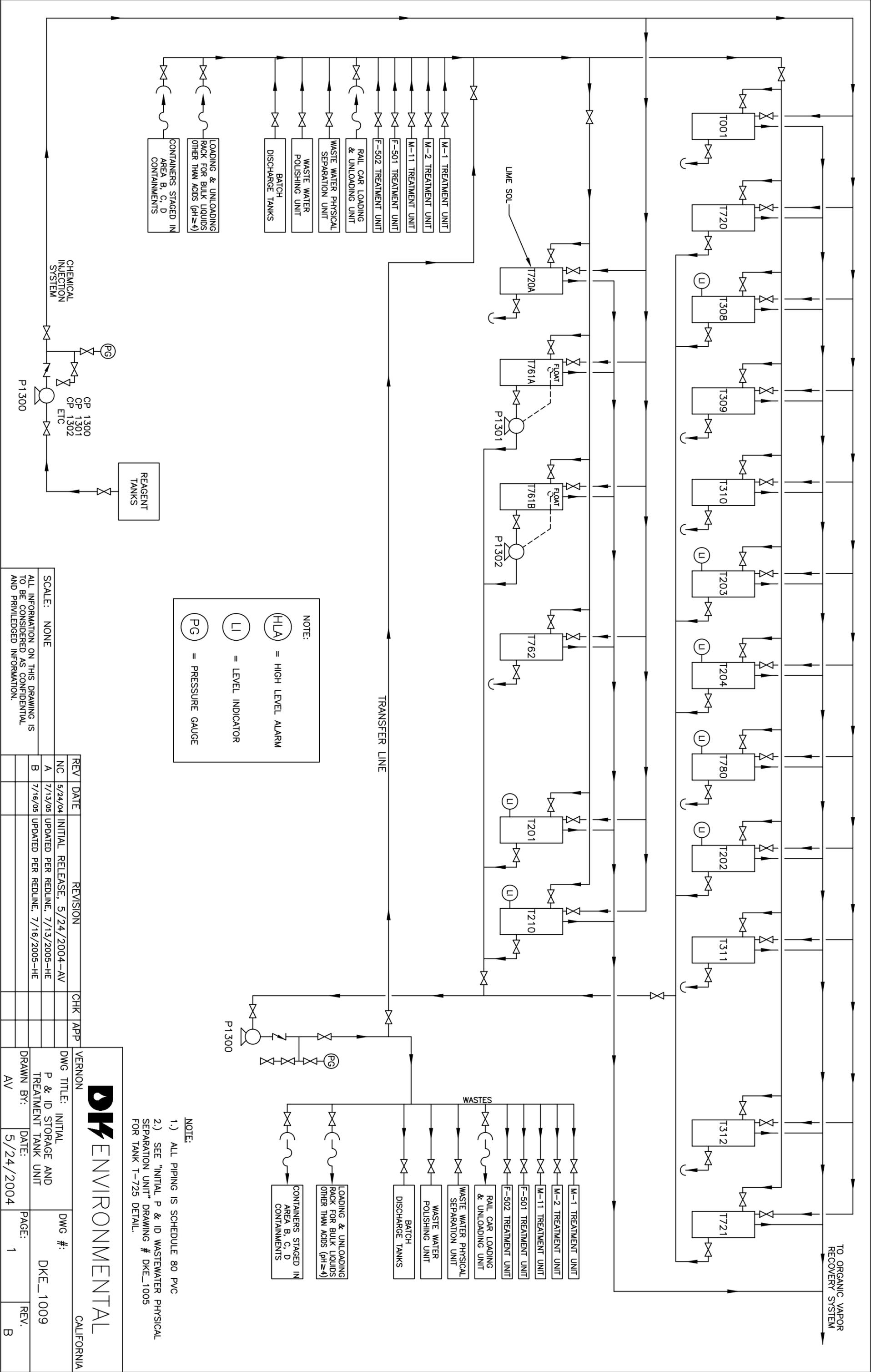
SCALE: NONE  
 ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.

REV	DATE	INITIAL	REVISION	CHK	APP
NC	4/22/04	AV	INITIAL RELEASE, 4/22/2004-AV		
A	5/20/04	AV	UPDATED PER REDLINE, 5/20/2004-AV		
B	7/13/05	HE	UPDATED PER REDLINE, 7/13/2005-HE		

VERNON **DE** ENVIRONMENTAL CALIFORNIA

DWG TITLE: INITIAL PFD STORAGE AND TREATMENT TANK UNIT  
 DWG #: DKE\_409

DATE: 4/22/2004  
 DRAWN BY: AV  
 PAGE: 1  
 REV: B



LOADING & UNLOADING  
RACK FOR BULK LIQUIDS  
OTHER THAN ACIDS (pH≠4)

CONTAINERS STAGED IN  
AREA B, C, D  
CONTAINMENTS

BATCH  
DISCHARGE TANKS

WASTE WATER  
POLISHING UNIT

WASTE WATER PHYSICAL  
SEPARATION UNIT

RAIL CAR LOADING  
& UNLOADING UNIT

F-502 TREATMENT UNIT

F-501 TREATMENT UNIT

M-11 TREATMENT UNIT

M-2 TREATMENT UNIT

M-1 TREATMENT UNIT

CHEMICAL  
INJECTION  
SYSTEM

CP 1300  
CP 1301  
CP 1302  
ETC

P1300

REAGENT  
TANKS

NOTE:

(HLA) = HIGH LEVEL ALARM

(LI) = LEVEL INDICATOR

(PG) = PRESSURE GAUGE

SCALE: NONE

ALL INFORMATION ON THIS DRAWING IS  
TO BE CONSIDERED AS CONFIDENTIAL  
AND PRIVILEGED INFORMATION.

REV	DATE	REVISION	CHK	APP
NC	5/24/04	INITIAL RELEASE, 5/24/2004-AV		
A	7/13/05	UPDATED PER REDLINE, 7/13/2005-HE		
B	7/16/05	UPDATED PER REDLINE, 7/16/2005-HE		

**DE** ENVIRONMENTAL CALIFORNIA

VERNON	DWG TITLE: INITIAL P & ID STORAGE AND TREATMENT TANK UNIT	DWG #:	DKE_1009
AV	DRAWN BY: AV	DATE: 5/24/2004	PAGE: 1
			REV. B

NOTE:

1.) ALL PIPING IS SCHEDULE 80 PVC

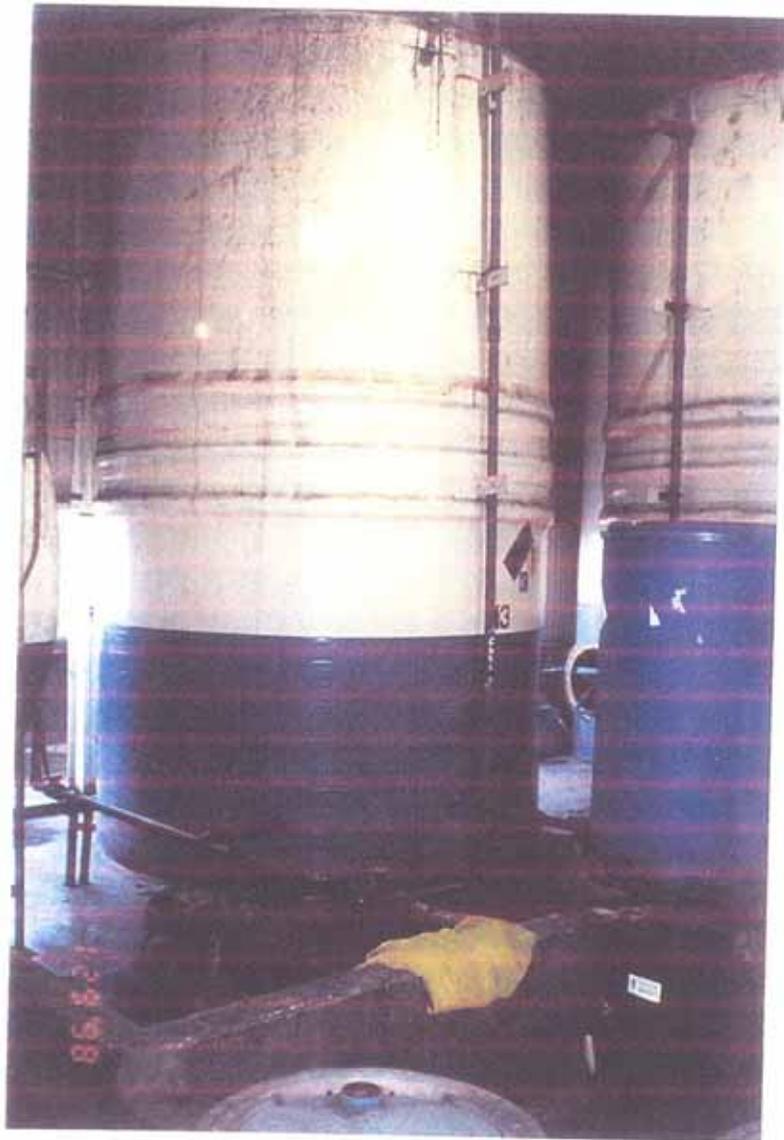
2.) SEE "INITIAL P & ID WASTEWATER PHYSICAL SEPARATION UNIT" DRAWING # DKE\_1005 FOR TANK T-725 DETAIL.

UNIT NAME	<b>Acid Bulk Receiving and Storage Unit (ABRS)</b>
LOCATION	The Acid Bulk Receiving and Storage Unit is located within Area E. The location of this equipment and the boundary of this waste management unit are shown in Figure IV-14 (Initial).
ACTIVITY TYPE	Tanks M-3, M-4, M-5, and M-6; Storage in tanks (consolidation of wastes, gravity separation).
ACTIVITY DESCRIPTION	The Acid Bulk Receiving and Storage Unit is used for consolidation of acid wastes prior to on-site treatment or shipment off-site to an authorized facility.
PHYSICAL DESCRIPTION	<p>Tank M-3 – 8,808 gallon, vertical, FRP, flat bottom</p> <p>Tank M-4 – 8,808 gallon, vertical, FRP, flat bottom</p> <p>Tank M-5 – 5,261 gallon, vertical, carbon steel with FRP lining, flat bottom</p> <p>Tank M-6 – 3,876 gallon, horizontal, FRP, dished heads</p> <p>All tanks are above ground.</p>
MAXIMUM CAPACITY	<p>Tank M-3 – 8,808 gallons</p> <p>Tank M-4 – 8,808 gallons</p> <p>Tank M-5 – 5,261 gallons</p> <p>Tank M-6 – 3,876 gallons</p>
WASTES COME FROM	<p>Wastes come to this unit from:</p> <ul style="list-style-type: none"> <li>M-1 Treatment Unit</li> <li>M-2 Treatment Unit</li> <li>M-11 Treatment Unit</li> <li>Container Receiving &amp; Inspection Unit</li> <li>Container Storage Unit West</li> <li>Bulk Acid Loading &amp; Unloading Rack (pH ≤ 10 only)</li> <li>Off-site Generators</li> </ul>
WASTE GO TO	Liquids from the Acid Bulk Receiving & Storage Tanks can

	<p>go to the:</p> <ul style="list-style-type: none"> <li>M-1 Treatment Unit</li> <li>M-2 Treatment Unit</li> <li>M-11 Treatment Unit</li> <li>Container Storage Unit West</li> <li>Railcar Loading &amp; Unloading Unit</li> <li>Bulk Acid Loading &amp; Unloading Rack (pH ≤ 10 only)</li> <li>Off-site Treatment and/or Disposal</li> </ul> <p>Solids and sludges from Acid Bulk Receiving &amp; Storage Tanks can go to the:</p> <ul style="list-style-type: none"> <li>Container Storage Unit West</li> <li>Consolidation of Solids &amp; Sludges Unit</li> <li>Bulk Solids Storage Unit</li> <li>Railcar Loading &amp; Unloading Unit</li> <li>Bulk Acid Loading &amp; Unloading Rack (pH ≤ 10 only)</li> <li>Off-site Treatment and/or Disposal</li> </ul>
<p>RCRA AIR EMISSION STANDARDS</p>	<p>Must comply with Article 28, Chapter 14, Division 4.5, Title 22 Cal Code Regs 66264 Subpart CC.</p>
<p>WASTE TYPE</p>	<p>Aqueous pumpable liquids-corrosives and wastes with metals and salts, including:</p> <p>Waste corrosives from industrial activities.</p> <p>Metal bearing wastes from the metal plating, metal finishing, and electronics industries.</p> <p>Wastes from equipment cleaning and maintenance activities including tank and container cleaning that result in wastes with corrosives, metals, and/or salts.</p> <p>Waste chemicals (aged, surplus, or off-specification), which contain corrosives, metals, and/or salts.</p> <p>Photochemical and photo processing wastes.</p> <p>Wastes from pollution control devices.</p> <p>Spill clean-ups.</p> <p>Other similar wastes.</p>

<p>RCRA AND NON-RCRA HAZARDOUS WASTE CODES</p>	<p>The tanks in this unit may only be used to store or treat the types of wastes listed above that are identified by any of the following RCRA and non-RCRA waste codes:</p> <p style="text-align: center;">RCRA:</p> <p>D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043</p> <p>F006</p> <p>K062</p> <p>P010, P011, P012, P115</p> <p>U032, U134, U144, U145, U146, U151, U204, U214, U215, U216, U217</p> <p style="text-align: center;">NON-RCRA:</p> <p>131, 132, 133, 134, 135, 141, 181, 241, 311, 342, 541, 551, 561, 581, 612, 711, 721, 722, 723, 724, 725, 726, 727, 728, 791, 792</p>
<p>UNIT SPECIFIC SPECIAL CONDITIONS</p>	<p>None</p>

## Acid Bulk Receiving and Storage Unit



M3

## Acid Bulk Receiving and Storage Unit



M4

# Acid Bulk Receiving and Storage Unit

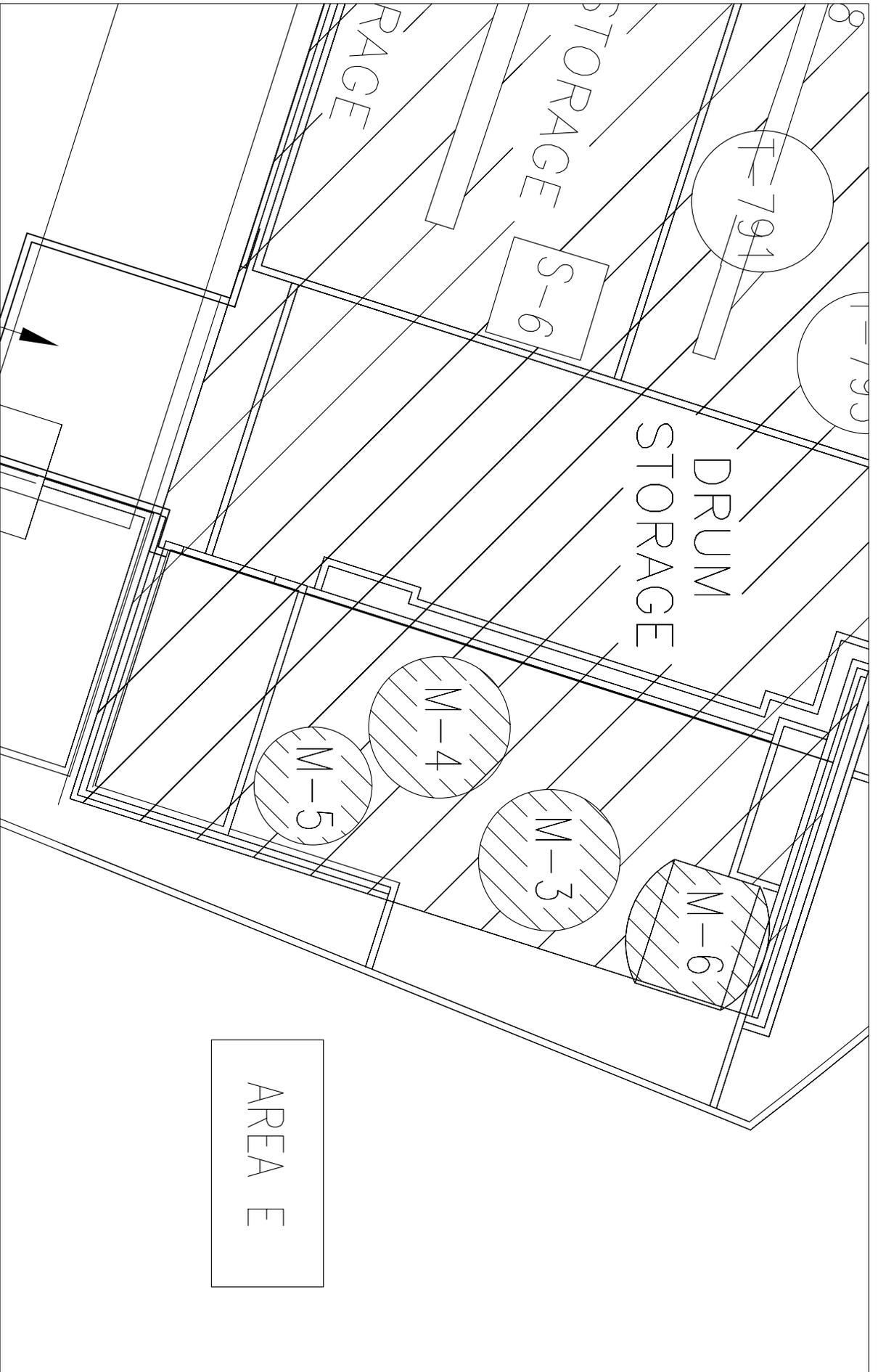


M5

## Acid Bulk Receiving and Storage Unit



M6



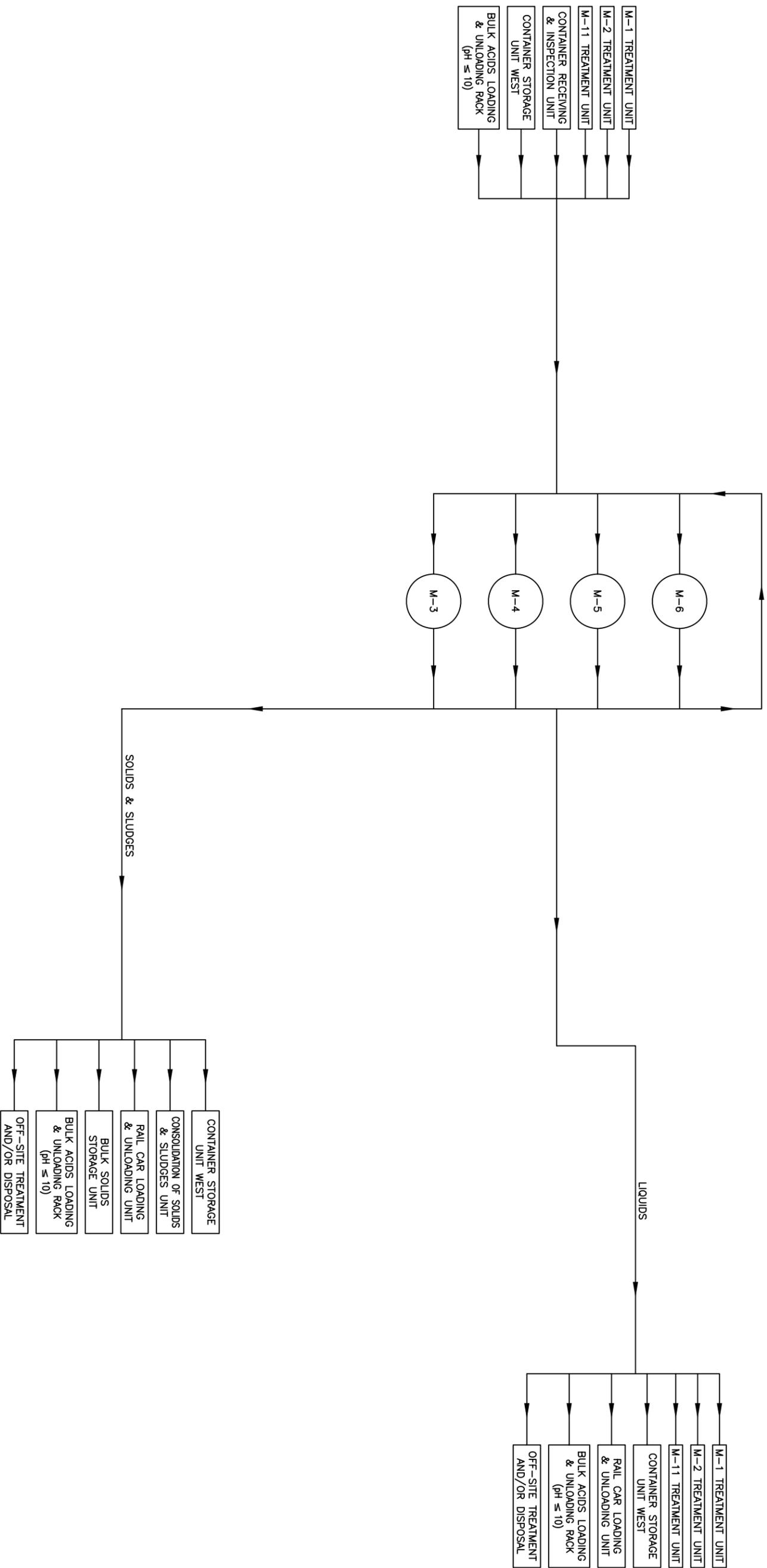
REV	DATE	REVISION	CHK	APP
NC	4/24/2004	INITIAL RELEASE, KS 4/24/04-AV		

**DE** ENVIRONMENTAL

VERNON CALIFORNIA

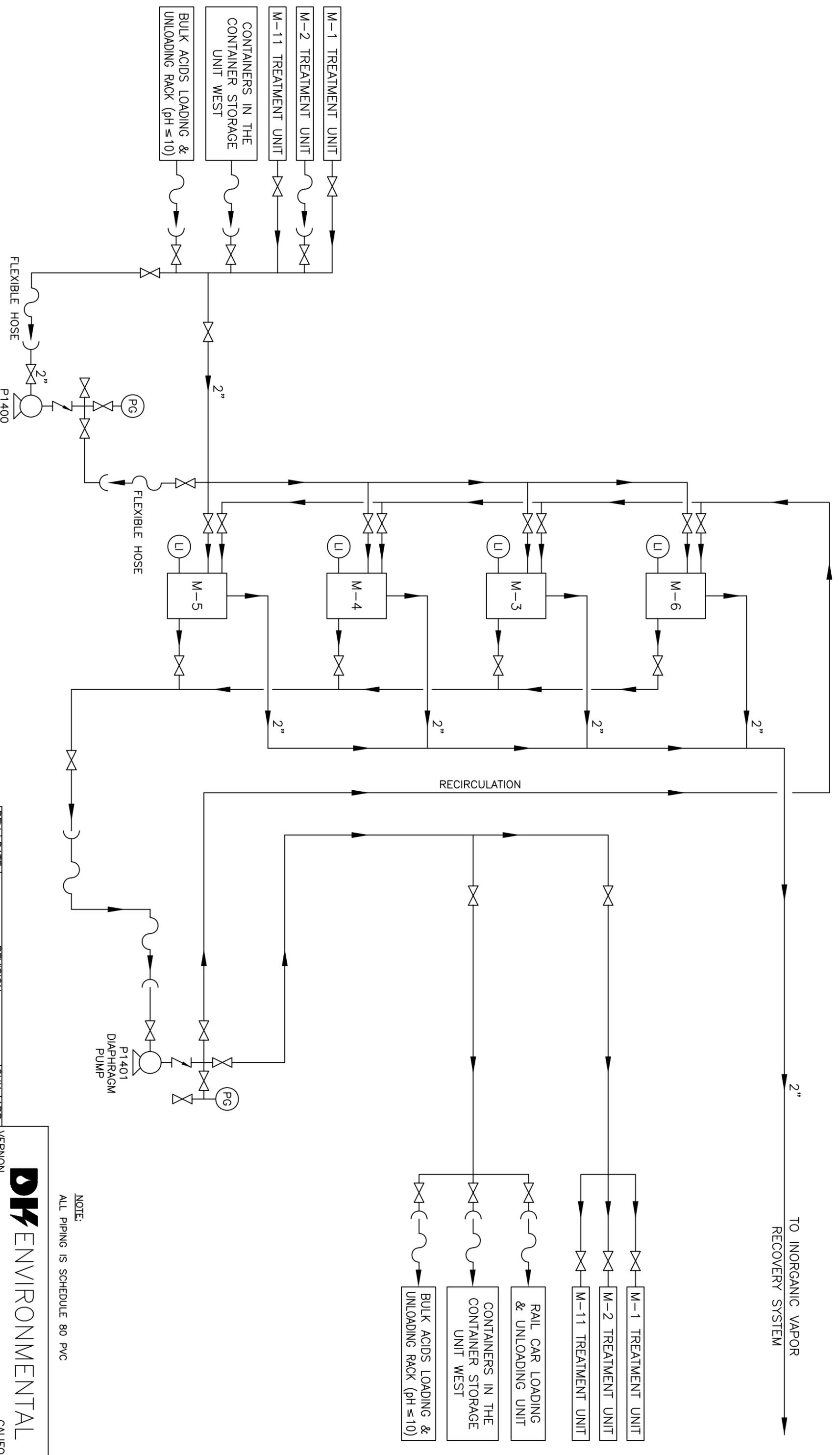
DWG TITLE: ACID BULK RECEIVING & STORAGE  
 DWG #: IV-14 (INITIAL)

SCALE: NONE  
 DRAWN BY: AV DATE: 4/24/2004  
 PAGE: 1 OF 1 REV: NC



SCALE: NONE	REV	DATE	REVISION	CHK	APP
ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.	NC	4/22/04	INITIAL RELEASE, 4/22/2004-AV		
	A	5/20/04	UPDATED PER REDLINE, 5/20/2004-AV		
	B	7/13/05	UPDATED PER REDLINE, 7/13/2005-HE		

VERNON		<b>DE</b> ENVIRONMENTAL		CALIFORNIA	
DWG TITLE:	INITIAL PFD	DWG #:			
ACID BULK RECEIVING AND STORAGE UNIT		DKE_410			
DRAWN BY:	DATE:	PAGE:	REV.		
AV	4/22/2004	1	B		



NOTE:  
ALL PIPING IS SCHEDULE 80 PVC

REV	DATE	REVISION	CHK	APP
NC	5/24/04	INITIAL RELEASE, 5/24/2004-AV		
A	6/21/05	UPDATED PER REDLINE - NG		
B	7/13/05	UPDATED PER REDLINE, 7/13/2005-HE		

**ENVIRONMENTAL** CALIFORNIA

VERNON

DWG TITLE: INITIAL P & ID ACID BULK RECEIVING & STORAGE UNIT

DWG #: DKE\_1007

SCALE: NONE

ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.

DRAWN BY: AV

DATE: 5/24/2004

PAGE: 1

REV. B

UNIT NAME	<b>Container Receiving &amp; Inspection Unit</b>
LOCATION	The Container Receiving & Inspection Unit is located in the northeast portion of the facility. The location of this equipment and the boundary of this waste management unit are shown in Figure IV-15 (Initial).
ACTIVITY TYPE	Unloading of containers received from off-site for inspection, sampling, and analyzing.
ACTIVITY DESCRIPTION	This unit is used as a place to unload containers of waste that have been transported to the facility from off-site, so they can be inspected, sampled, analyzed, and all of the Waste Analysis Plan requirements completed prior to movement into other on-site waste management units or shipment off-site. Wastes may be in this unit for up to 10 days. Acids are segregated from other potentially incompatible materials by placement on spill containment pallets at the north end of the unit. This unit does not manage D001 ignitable waste.
PHYSICAL DESCRIPTION	This unit is on a concrete pad and not under roof.
MAXIMUM CAPACITY	This unit does not store containers.
WASTES COME FROM	Wastes come to this unit from: Off-site Generators
WASTE GO TO	Wastes from the Container Receiving & Inspection Unit can go to the: M-1 Treatment Unit M-2 Treatment Unit M-11 Treatment Unit F-501 Treatment Unit F-502 Treatment Unit Solvent Wastewater Storage & Treatment Unit Storage & Treatment Tanks Acid Bulk Receiving & Storage Tanks Container Storage Unit West Consolidation of Solids & Sludges Unit Bulk Solids Storage Unit Railcar Loading & Unloading Unit Off-site Treatment and/or Disposal

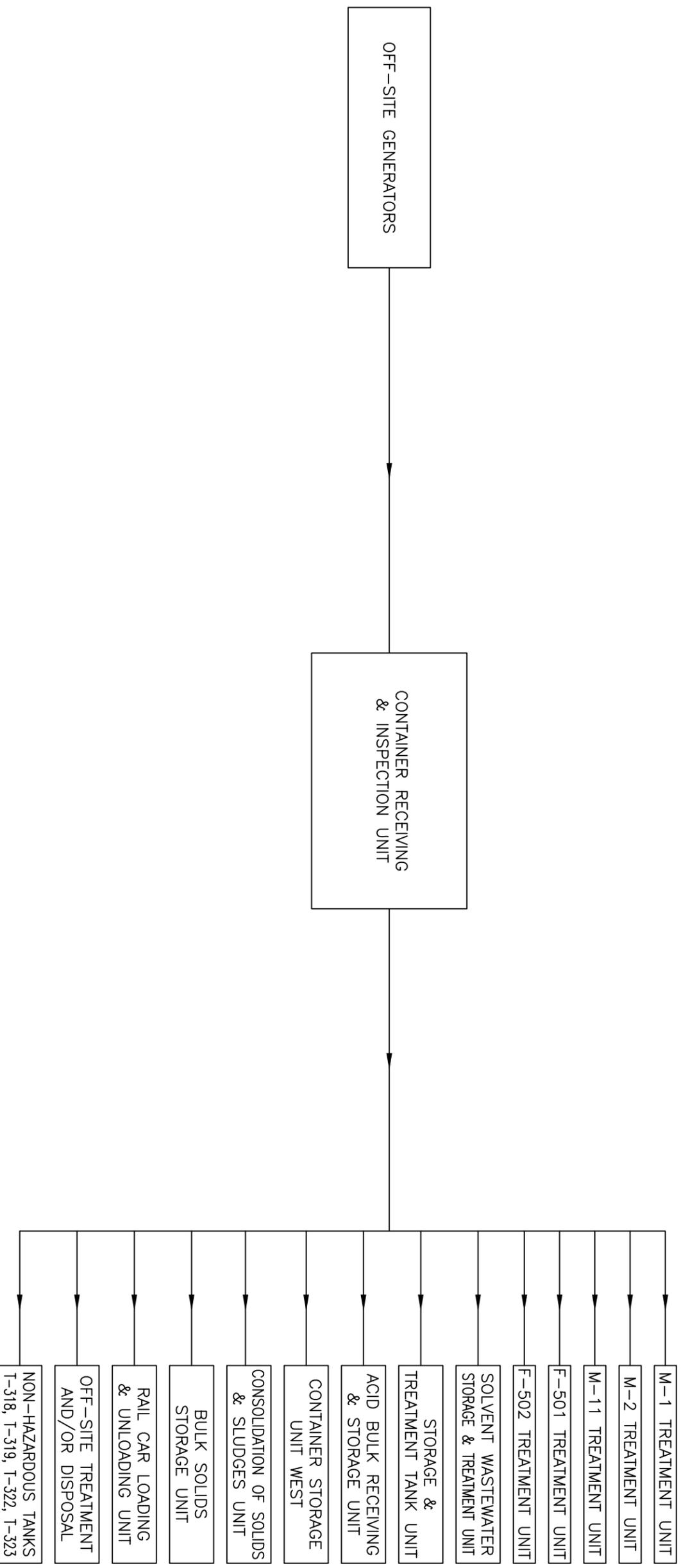
RCRA AIR EMISSION STANDARDS	Must comply with Article 28, Chapter 14, Division 4.5, Title 22 Cal Code Regs 66264 Subpart CC.
WASTE TYPE	This unit may accept any waste with waste codes listed below.
RCRA AND NON-RCRA HAZARDOUS WASTE CODES	<p>This unit may only accept the types of wastes listed above that are identified by any of the following RCRA and non-RCRA waste codes:</p> <p style="text-align: center;">RCRA:</p> <p>D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043</p> <p>F001, F002, F003, F004, F005, F006, F007, F008, F009, F010, F011, F012</p> <p>K001, K002, K003, K004, K005, K006, K007, K008, K009, K010, K011, K013, K014, K015, K016, K017, K018, K019, K020, K021, K022, K023, K024, K025, K026, K027, K028, K029, K030, K031, K032, K033, K034, K035, K036, K037, K038, K039, K040, K041, K042, K043, K044, K045, K046, K047, K048, K049, K050, K051, K052, K060, K061, K062, K069, K071, K073, K083, K084, K085, K086, K087, K088, K093, K094, K095, K096, K097, K098, K099, K101, K102, K103, K104, K105, K106</p> <p>P001, P002, P003, P004, P005, P006, P007, P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P020, P021, P022, P023, P024, P026, P027, P028, P029, P030, P031, P033, P034, P036, P037, P038, P039, P040, P041, P042, P043, P044, P045, P046, P047, P048, P049, P050, P051, P054, P056, P057, P058, P059, P060, P062, P063, P064, P065, P066, P067, P068, P069, P070, P071, P072, P073, P074, P075, P076, P077, P078, P081, P082, P084, P085, P087, P088, P089, P092, P093, P094, P095, P096, P097, P098, P099, P101, P102, P103, P104, P105, P106, P108, P109, P110, P111, P112, P113, P114, P115, P116, P118, P119, P120, P121, P122</p> <p>U001, U002, U003, U004, U005, U006, U007, U008, U009,</p>

	<p>U010, U011, U012, U014, U015, U016, U017, U018, U019, U020, U021, U022, U023, U024, U025, U026, U027, U028, U029, U030, U031, U032, U033, U034, U035, U036, U037, U038, U039, U041, U042, U043, U044, U045, U046, U047, U048, U049, U050, U051, U052, U053, U055, U056, U057, U058, U059, U060, U061, U062, U063, U064, U066, U067, U068, U069, U070, U071, U072, U073, U074, U075, U076, U077, U078, U079, U080, U081, U082, U083, U084, U085, U086, U087, U088, U089, U090, U091, U092, U093, U094, U095, U096, U097, U098, U099, U101, U102, U103, U105, U106, U107, U108, U109, U110, U111, U112, U113, U114, U115, U116, U117, U118, U119, U120, U121, U122, U123, U124, U125, U126, U127, U128, U129, U130, U131, U132, U133, U134, U135, U136, U137, U138, U140, U141, U142, U143, U144, U145, U146, U147, U148, U149, U150, U151, U152, U153, U154, U155, U156, U157, U158, U159, U160, U161, U162, U163, U164, U165, U166, U167, U168, U169, U170, U171, U172, U173, U174, U176, U177, U178, U179, U180, U181, U182, U183, U184, U185, U186, U187, U188, U189, U190, U191, U192, U193, U194, U196, U197, U200, U201, U202, U203, U204, U205, U206, U207, U208, U209, U210, U211, U213, U214, U215, U216, U217, U218, U219, U220, U221, U222, U223, U225, U226, U227, U228, U234, U235, U236, U237, U238, U239, U240, U243, U244, U246, U247, U248, U249</p> <p style="text-align: center;">NON-RCRA:</p> <p>121, 122, 123, 131, 132, 133, 134, 135, 141, 151, 161, 162, 171, 172, 181, 211, 212, 213, 214, 221, 222, 223, 231, 232, 241, 251, 252, 271, 272, 281, 291, 311, 331, 341, 342, 343, 351, 352, 411, 421, 431, 441, 451, 461, 471, 481, 491, 511, 512, 513, 521, 541, 551, 561, 571, 581, 591, 611, 612, 711, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751, 791, 792</p>
UNIT SPECIFIC SPECIAL CONDITIONS	None

## Container Receiving & Inspection Unit







SCALE: NONE

ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.

REV	DATE	REVISION	CHK	APP
NC	4/20/04	INITIAL RELEASE, 4/20/2004-AV		
A	5/19/04	UPDATED PER RED LINE, 5/19/2004-AV		
B	7/14/05	UPDATED PER RED LINE, 7/14/2005-AV		

**DE** ENVIRONMENTAL CALIFORNIA

VERNON

DWG TITLE: INITIAL PFD  
CONTAINER RECEIVING & INSPECTION UNIT

DWG #: DKE\_411

DATE: 4/20/2004

PAGE: 1

REV: B

UNIT NAME	<b>Container Storage Unit West (CSUW)</b>
LOCATION	The Container Storage Unit West is located in Area E inside the main building in its north section. The location of this equipment and the boundary of this waste management unit are shown in Figure IV-16 (Initial).
ACTIVITY TYPE	Storage in containers (consolidation of wastes, decanting, lab pack processing).
ACTIVITY DESCRIPTION	<p>This unit stores containers received from off-site or containers of byproducts generated on-site for up to one year.</p> <p>Containers are sampled and inspected in this unit.</p> <p>Wastes may be consolidated into other containers with compatible wastes, including lab pack processing.</p> <p>Wastes may be decanted from containers to separate liquids, sludges, solids, and debris.</p>
PHYSICAL DESCRIPTION	<p>This unit has three separate containments. The two non-bulk container storage containment cells (acid and non-acid) have a combined maximum capacity of 33,000 gallons.</p> <p>The first containment, which is located at the north end and can store acids, can store up to 54 pallets, each containing a 275-gallon tote, or their equivalent volume of 14,850 gallons, in any mixture of container sizes of up to 550 gallons each.</p> <p>The second containment, which is located at the southeast end and stores all other compatible wastes except acids, can store up to 76 pallets each containing a 275-gallon tote, or their equivalent volume of 20,900 gallons in any mixture of container sizes of up to 550 gallons each.</p> <p>Regardless of the individual maximum capacities of the first and second containment storage cells, the combined sum of wastes stored in the two containments may not exceed the total Container Storage Unit West maximum capacity of 33,000 gallons.</p>

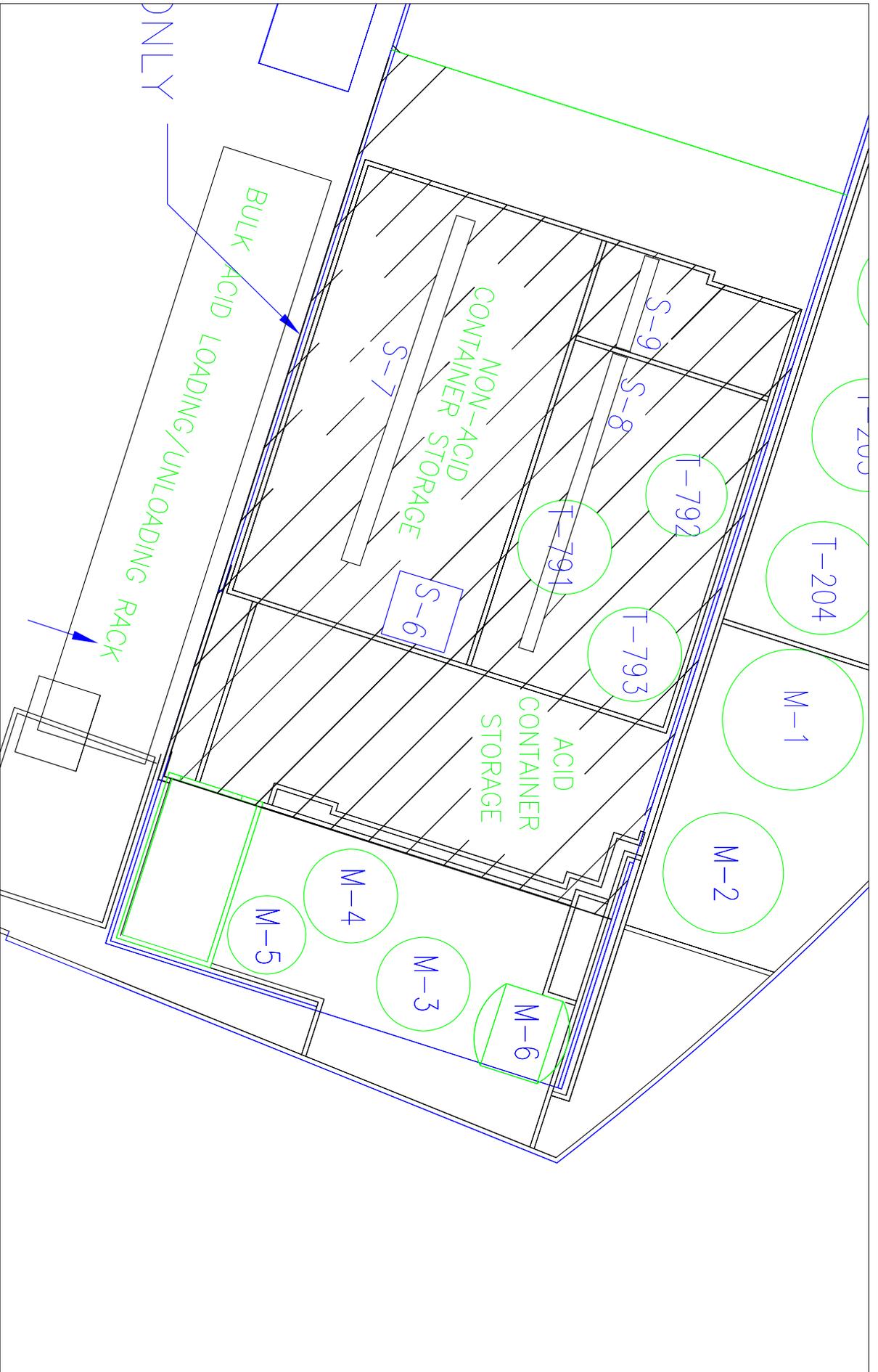
	<p>The third containment, which is located at the southwest end, contains Tanks T-791, T-792, and T-793. These three tanks do not manage hazardous waste. They are used for storage of purchased treatment reagents for use in other on-site waste management units.</p>
MAXIMUM CAPACITY	<p>This unit can store up to 33,000 gallons in containers of various sizes. This is equivalent to 600 - 55-gallon drums. This consists of 13,000 gallons in the acid containment cell, and 20,000 gallons in the Non-Acid containment cell.</p>
WASTES COME FROM	<p>Wastes come to this unit from:</p> <ul style="list-style-type: none"> <li>M-1 Treatment Unit</li> <li>M-2 Treatment Unit</li> <li>M-11 Treatment Unit</li> <li>F-501 Treatment Unit</li> <li>F-502 Treatment Unit</li> <li>Wastewater Physical Separation Unit</li> <li>Wastewater Polishing Unit</li> <li>Batch Discharge Tanks</li> <li>Solvent Wastewater Storage &amp; Treatment Unit</li> <li>Storage &amp; Treatment Tanks</li> <li>Acid Bulk Receiving &amp; Storage Tanks</li> <li>Container Receiving &amp; Inspection Unit</li> <li>Consolidation of Solids &amp; Sludges Unit</li> <li>Bulk Solids Storage Unit</li> <li>Railcar Loading &amp; Unloading Unit</li> <li>Off-site Generators</li> </ul>
WASTE GO TO	<p>Wastes from the Container Storage Unit West can go to the:</p> <ul style="list-style-type: none"> <li>M-1 Treatment Unit</li> <li>M-2 Treatment Unit</li> <li>M-11 Treatment Unit</li> <li>F-501 Treatment Unit</li> <li>F-502 Treatment Unit</li> <li>Solvent Wastewater Storage &amp; Treatment Unit</li> <li>Storage &amp; Treatment Tanks</li> <li>Acid Bulk Receiving &amp; Storage Tanks</li> <li>Consolidation of Solids &amp; Sludges Unit</li> <li>Bulk Solids Storage Unit</li> <li>Railcar Loading &amp; Unloading Unit</li> <li>Off-site Treatment and/or Disposal</li> </ul>
RCRA AIR EMISSION STANDARDS	<p>Must comply with Article 28, Chapter 14, Division 4.5, Title 22 Cal Code Regs 66264 Subpart CC.</p>

WASTE TYPE	This unit may accept any waste with waste codes listed below.
RCRA AND NON-RCRA HAZARDOUS WASTE CODES	<p>This unit may only be used to store or treat the types of wastes listed above that are identified by any of the following RCRA and non-RCRA waste codes:</p> <p style="text-align: center;">RCRA:</p> <p>D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043</p> <p>F001, F002, F003, F004, F005, F006, F007, F008, F009, F010, F011, F012</p> <p>K001, K002, K003, K004, K005, K006, K007, K008, K009, K010, K011, K013, K014, K015, K016, K017, K018, K019, K020, K021, K022, K023, K024, K025, K026, K027, K028, K029, K030, K031, K032, K033, K034, K035, K036, K037, K038, K039, K040, K041, K042, K043, K044, K045, K046, K047, K048, K049, K050, K051, K052, K060, K061, K062, K069, K071, K073, K083, K084, K085, K086, K087, K088, K093, K094, K095, K096, K097, K098, K099, K101, K102, K103, K104, K105, K106</p> <p>P001, P002, P003, P004, P005, P006, P007, P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P020, P021, P022, P023, P024, P026, P027, P028, P029, P030, P031, P033, P034, P036, P037, P038, P039, P040, P041, P042, P043, P044, P045, P046, P047, P048, P049, P050, P051, P054, P056, P057, P058, P059, P060, P062, P063, P064, P065, P066, P067, P068, P069, P070, P071, P072, P073, P074, P075, P076, P077, P078, P081, P082, P084, P085, P087, P088, P089, P092, P093, P094, P095, P096, P097, P098, P099, P101, P102, P103, P104, P105, P106, P108, P109, P110, P111, P112, P113, P114, P115, P116, P118, P119, P120, P121, P122</p> <p>U001, U002, U003, U004, U005, U006, U007, U008, U009, U010, U011, U012, U014, U015, U016, U017, U018, U019, U020, U021, U022, U023, U024, U025, U026, U027, U028,</p>

	<p>U029, U030, U031, U032, U033, U034, U035, U036, U037, U038, U039, U041, U042, U043, U044, U045, U046, U047, U048, U049, U050, U051, U052, U053, U055, U056, U057, U058, U059, U060, U061, U062, U063, U064, U066, U067, U068, U069, U070, U071, U072, U073, U074, U075, U076, U077, U078, U079, U080, U081, U082, U083, U084, U085, U086, U087, U088, U089, U090, U091, U092, U093, U094, U095, U096, U097, U098, U099, U101, U102, U103, U105, U106, U107, U108, U109, U110, U111, U112, U113, U114, U115, U116, U117, U118, U119, U120, U121, U122, U123, U124, U125, U126, U127, U128, U129, U130, U131, U132, U133, U134, U135, U136, U137, U138, U140, U141, U142, U143, U144, U145, U146, U147, U148, U149, U150, U151, U152, U153, U154, U155, U156, U157, U158, U159, U160, U161, U162, U163, U164, U165, U166, U167, U168, U169, U170, U171, U172, U173, U174, U176, U177, U178, U179, U180, U181, U182, U183, U184, U185, U186, U187, U188, U189, U190, U191, U192, U193, U194, U196, U197, U200, U201, U202, U203, U204, U205, U206, U207, U208, U209, U210, U211, U213, U214, U215, U216, U217, U218, U219, U220, U221, U222, U223, U225, U226, U227, U228, U234, U235, U236, U237, U238, U239, U240, U243, U244, U246, U247, U248, U249</p> <p style="text-align: center;">NON-RCRA:</p> <p>121, 122, 123, 131, 132, 133, 134, 135, 141, 151, 161, 162, 171, 172, 181, 211, 212, 213, 214, 221, 222, 223, 231, 232, 241, 251, 252, 271, 272, 281, 291, 311, 331, 341, 342, 343, 351, 352, 411, 421, 431, 441, 451, 461, 471, 481, 491, 511, 512, 513, 521, 541, 551, 561, 571, 581, 591, 611, 612, 711, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751, 791, 792</p>
UNIT SPECIFIC SPECIAL CONDITIONS	None

Container Storage Unit





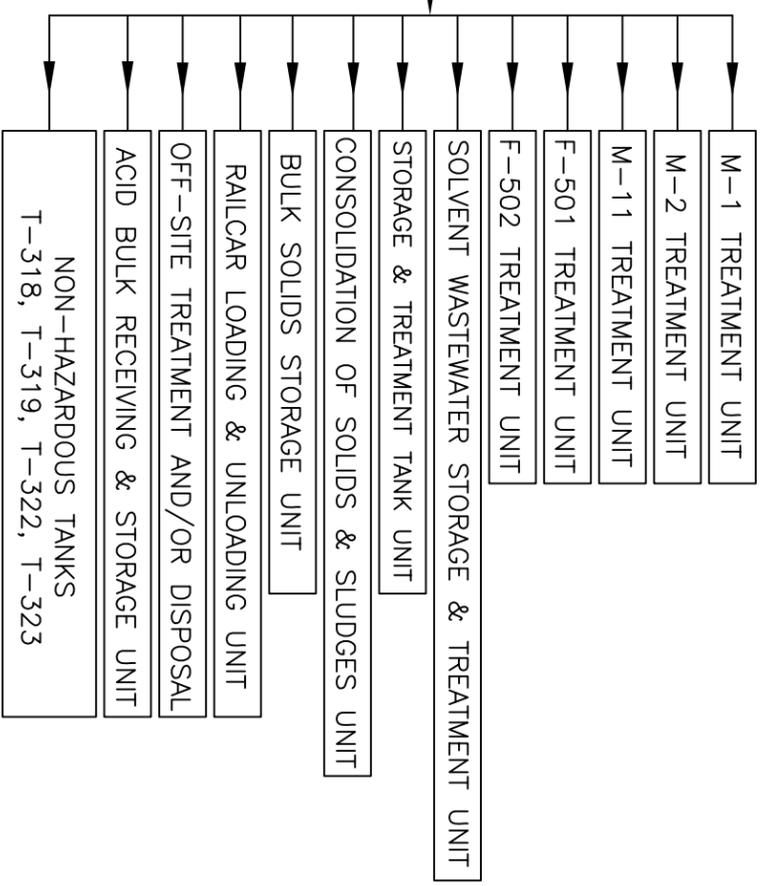
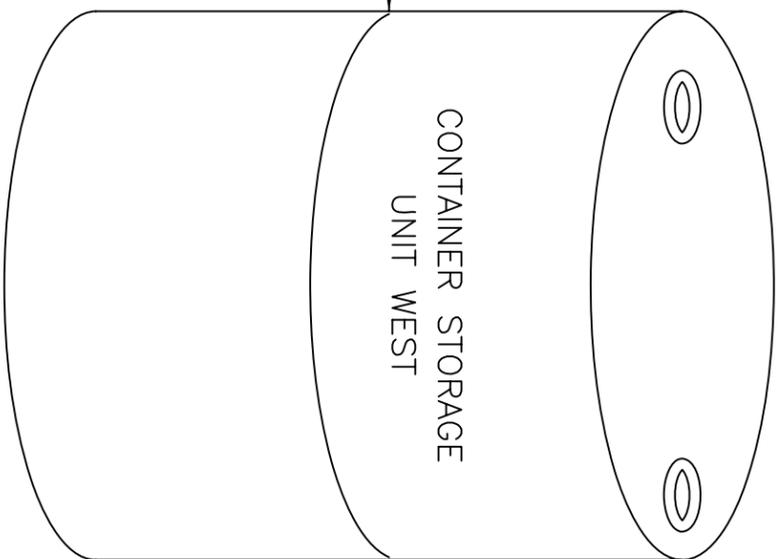
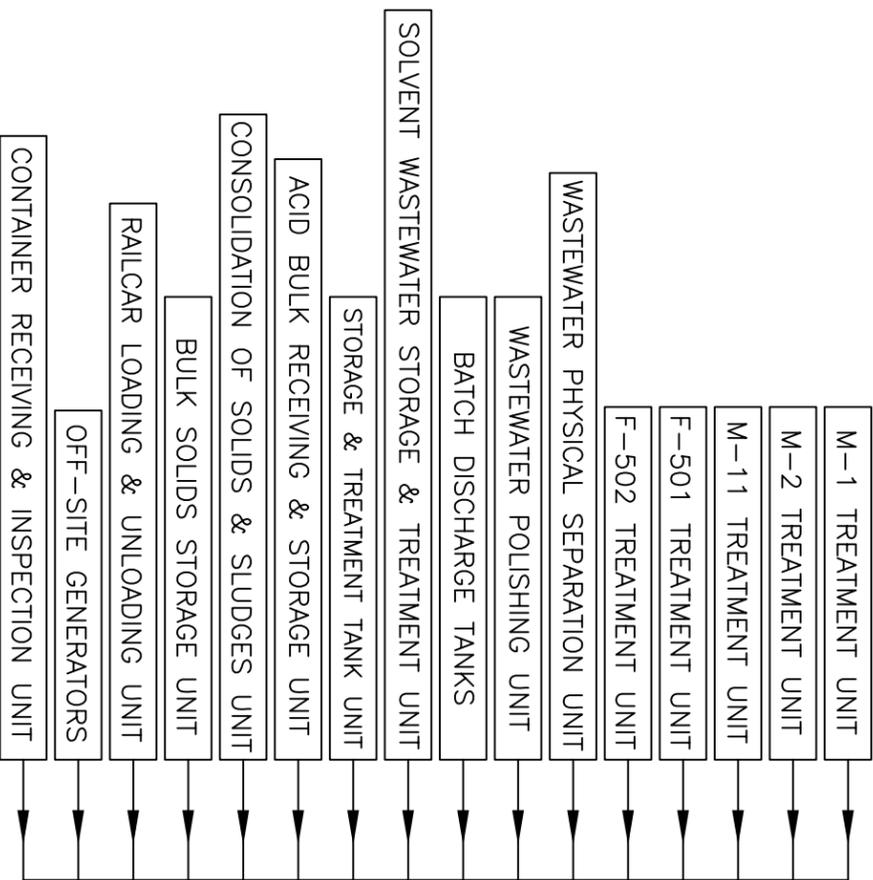
REV	DATE	REVISION	CHK	APP
NC	4/24/2004	INITIAL RELEASE, KS 4/24/04-AV		

**DE** ENVIRONMENTAL  
 CALIFORNIA

VERNON  
 DWG TITLE:  
 CONTAINER STORAGE  
 UNIT - WEST

DRAWN BY: AV  
 DATE: 4/24/2004  
 PAGE: 1 OF 1  
 REV: NC

SCALE: NONE



SCALE: NONE

ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.

REV	DATE	REVISION	CHK	APP
NC	4/20/04	INITIAL RELEASE, 4/20/2004-AV		
A	5/19/04	UPDATED PER REDLINE, 5/19/2004-AV		
B	7/14/05	UPDATED PER REDLINE, 7/14/2005-AV		

**DE** ENVIRONMENTAL CALIFORNIA

VERNON

DWG TITLE: INITIAL PFD  
CONTAINER STORAGE UNIT WEST

DWG #: DKE\_412

DRAWN BY: AV DATE: 4/20/2004

PAGE: 1 REV: B

UNIT NAME	<b>Consolidation of Solids and Sludges Unit (CSSU)</b>
LOCATION	The Consolidation of Solids and Sludges Unit is located south of the Container Receiving and Inspection Unit. Consolidation of Solids and Sludges Unit is common with the Bulk Solids Storage Unit and the Railcar Loading and Unloading Unit. The location of this equipment and the boundary of this waste management unit are shown in Figure IV-17 (Initial).
ACTIVITY TYPE	Other treatment (consolidation of wastes, solidification, shredding, container crushing, compaction of solid waste).
ACTIVITY DESCRIPTION	<p>Consolidation of solids and sludges is a batch process. Consolidation occurs in roll-off bins, end dump trailers, other DOT containers, and railcars.</p> <p>Wastes that contain free liquids require solidification (prior to eventual shipment off-site for additional treatment and/or landfill) with a drying aid like kiln dust or fly ash. This drying aid can be mixed with the sludge in MX-601, the mixer.</p> <p>Empty containers, and containers of solids and sludge after pumpable / pourable free liquids have been removed are crushed and compacted in Drum Crusher DCU-601. Also, Drum Crusher DCU-601 may be used to compact solid wastes inside DOT containers. After crushing/compacting, the containers are loaded into roll-off bins, end dumps, or other DOT containers, transferred to other on-site units, or shipped off-site. The largest container that Drum Crusher DCU-601 can manage is 85 gallons.</p>
PHYSICAL DESCRIPTION	<p>MX-601 – a two cubic yard cement style mixer</p> <p>DCU – 601 – a drum crusher and solid waste compactor unit, CIVES Recycling, Inc. Model# 155DC, or equivalent.</p> <p>Consolidation of Solids and Sludges Unit is common with the Bulk Solids Storage Unit and the Railcar Loading and Unloading Unit since all consolidation occurs in roll-off bins, end dump trailers, other DOT containers, or railcars in those units.</p>

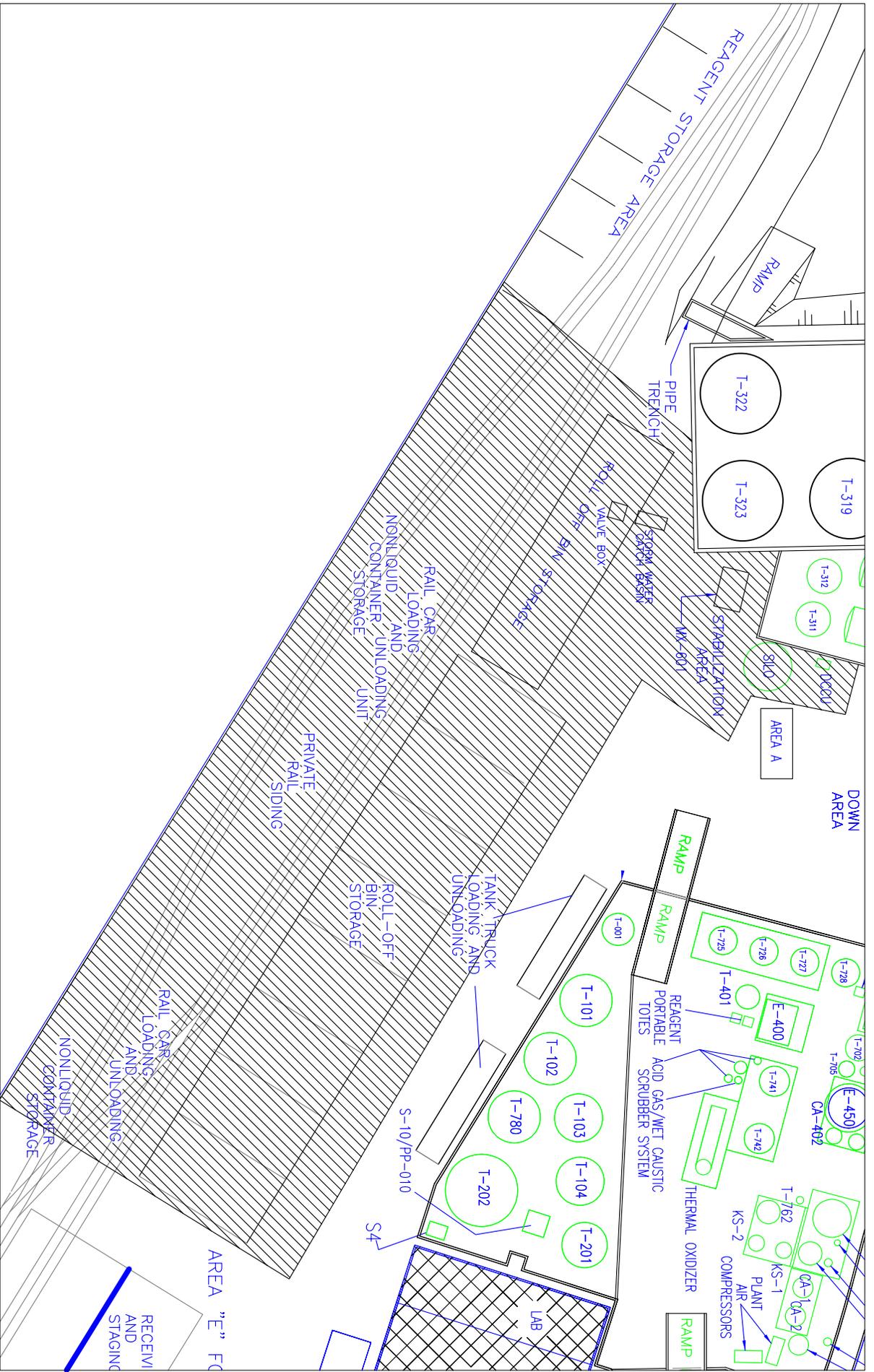
MAXIMUM CAPACITY	<p>Mixer MX-601 – two cubic yards per batch.</p> <p>Drum Crusher DCU – 601 – thirty 85 gallons drums (or the equivalent volume of 2,550 gallons in various sized containers) per hour.</p>
WASTES COME FROM	<p>Wastes come to this unit from:</p> <ul style="list-style-type: none"> <li>M-1 Treatment Unit</li> <li>M-2 Treatment Unit</li> <li>M-11 Treatment Unit</li> <li>F-501 Treatment Unit</li> <li>F-502 Treatment Unit</li> <li>Wastewater Physical Separation Unit</li> <li>Wastewater Polishing Unit</li> <li>Batch Discharge Tanks</li> <li>Solvent Wastewater Storage &amp; Treatment Unit</li> <li>Storage &amp; Treatment Tanks</li> <li>Acid Bulk Receiving &amp; Storage Tanks</li> <li>Container Receiving &amp; Inspection Unit</li> <li>Container Storage Unit West</li> <li>Bulk Solids Storage Unit</li> <li>Railcar Loading &amp; Unloading Unit</li> <li>Off-site Generators</li> </ul>
WASTE GO TO	<p>Solids and debris from the Consolidation of Solids and Sludges Unit can go to the:</p> <ul style="list-style-type: none"> <li>Container Storage Unit West</li> <li>Bulk Solids Storage Unit</li> <li>Railcar Loading &amp; Unloading Unit</li> <li>Off-site Treatment and/or Disposal</li> </ul>
RCRA AIR EMISSION STANDARDS	<p>Must comply with Article 28, Chapter 14, Division 4.5, Title 22 Cal Code Regs 66264 Subpart CC.</p>
WASTE TYPE	<p>Filter cake from the F-501 and F-502 treatment units, bottom solids and sludge from other on-site units, wastes from on-site maintenance activities, and solids, sludges, and wastes with free liquids from off-site generators, including metal bearing wastes from the metal plating, finishing, and electronics industries, scale and rust removal wastes from boilers, heat exchangers, radiator shops, and various industrial activities, contaminated soil, wastes from equipment cleaning and maintenance activities including tank and container cleaning, oily absorbents, sump cleanout</p>

	<p>wastes, spent catalysts, debris, waste chemicals (aged, surplus, or off-specification), spill cleanups, latex and silicone wastes, resins, adhesives, asphalt, tar, paints and coatings, inks, salt and brine waste, bilge cleanout, ash, sandblast grit, polymers, spent PPE, carbon, industrial trash, asbestos waste (if friable, consolidation of sealed packages and containers only), photochemical / photo processing wastes, rags, cans, crushed and uncrushed containers and tanks, filtercake, filters, concrete, rocks, grinding / polishing / machining wastes, soaps/detergents/cleaners, alum, gypsum, lime, and phosphate sludges, wastes from pollution control devices, and other similar wastes and other similar sources.</p>
<p>RCRA AND NON-RCRA HAZARDOUS WASTE CODES</p>	<p>This unit may only be used to store or treat the types of wastes listed above that are identified by any of the following RCRA and non-RCRA waste codes:</p> <p style="text-align: center;">RCRA:</p> <p>D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043</p> <p>F001, F002, F003, F004, F005, F006, F007, F008, F009, F010, F011, F012</p> <p>K001, K002, K003, K004, K005, K006, K007, K008, K009, K010, K011, K013, K014, K015, K016, K017, K018, K019, K020, K021, K022, K023, K024, K028, K029, K030, K031, K032, K033, K034, K035, K036, K037, K038, K040, K041, K042, K043, K046, K048, K049, K050, K051, K052, K060, K061, K062, K069, K071, K073, K083, K084, K085, K086, K087, K088, K093, K094, K095, K096, K097, K098, K099, K101, K102, K103, K104, K105, K106</p> <p>P001, P002, P003, P004, P005, P006, P007, P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P021, P022, P023, P024, P026, P027, P028, P029, P030, P031, P033, P034, P036, P037, P038, P039, P040, P041, P042, P043, P044, P045, P046, P047, P048, P049, P050, P051, P054, P056, P057, P058, P059, P060, P062, P063, P064, P065, P066, P067, P068, P069, P070, P071, P072,</p>

	<p>P073, P074, P075, P076, P077, P078, P081, P082, P084, P085, P087, P088, P089, P092, P093, P094, P095, P096, P097, P098, P099, P101, P102, P103, P104, P105, P106, P108, P109, P110, P111, P112, P113, P114, P115, P116, P118, P119, P120, P121</p> <p>U001, U002, U003, U004, U005, U006, U007, U008, U009, U010, U011, U012, U014, U015, U016, U017, U018, U019, U020, U021, U022, U023, U024, U025, U026, U027, U028, U029, U030, U031, U032, U033, U034, U035, U036, U037, U038, U039, U041, U042, U043, U044, U045, U046, U047, U048, U049, U050, U051, U052, U053, U055, U056, U057, U058, U059, U060, U061, U062, U063, U064, U066, U067, U068, U069, U070, U071, U072, U073, U074, U075, U076, U077, U078, U079, U080, U081, U082, U083, U084, U085, U086, U087, U088, U089, U090, U091, U092, U093, U094, U095, U096, U097, U098, U099, U101, U102, U103, U105, U106, U107, U108, U109, U110, U111, U112, U113, U114, U115, U116, U117, U118, U119, U120, U121, U122, U123, U124, U125, U126, U127, U128, U129, U130, U131, U132, U133, U134, U135, U136, U137, U138, U140, U141, U142, U143, U144, U145, U146, U147, U148, U149, U150, U151, U152, U153, U154, U155, U157, U158, U159, U161, U162, U163, U164, U165, U166, U167, U168, U169, U170, U171, U172, U173, U174, U176, U177, U178, U179, U180, U181, U182, U183, U184, U185, U186, U187, U188, U190, U191, U192, U193, U194, U196, U197, U200, U201, U202, U203, U204, U205, U206, U207, U208, U209, U210, U211, U213, U214, U215, U216, U217, U218, U219, U220, U221, U222, U223, U225, U226, U227, U228, U235, U236, U237, U238, U239, U240, U243, U244, U246, U247, U248</p> <p style="text-align: center;">NON-RCRA:</p> <p>121, 122, 123, 131, 132, 133, 134, 135, 141, 151, 161, 162, 171, 172, 181, 211, 212, 213, 214, 221, 222, 223, 231, 232, 241, 251, 252, 271, 272, 281, 291, 311, 331, 341, 342, 343, 351, 352, 411, 421, 431, 441, 451, 461, 471, 481, 491, 511, 512, 513, 521, 541, 551, 561, 571, 581, 591, 611, 612, 711, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751</p>
UNIT SPECIFIC SPECIAL CONDITIONS	None

## Consolidation of Solids & Sludges Unit





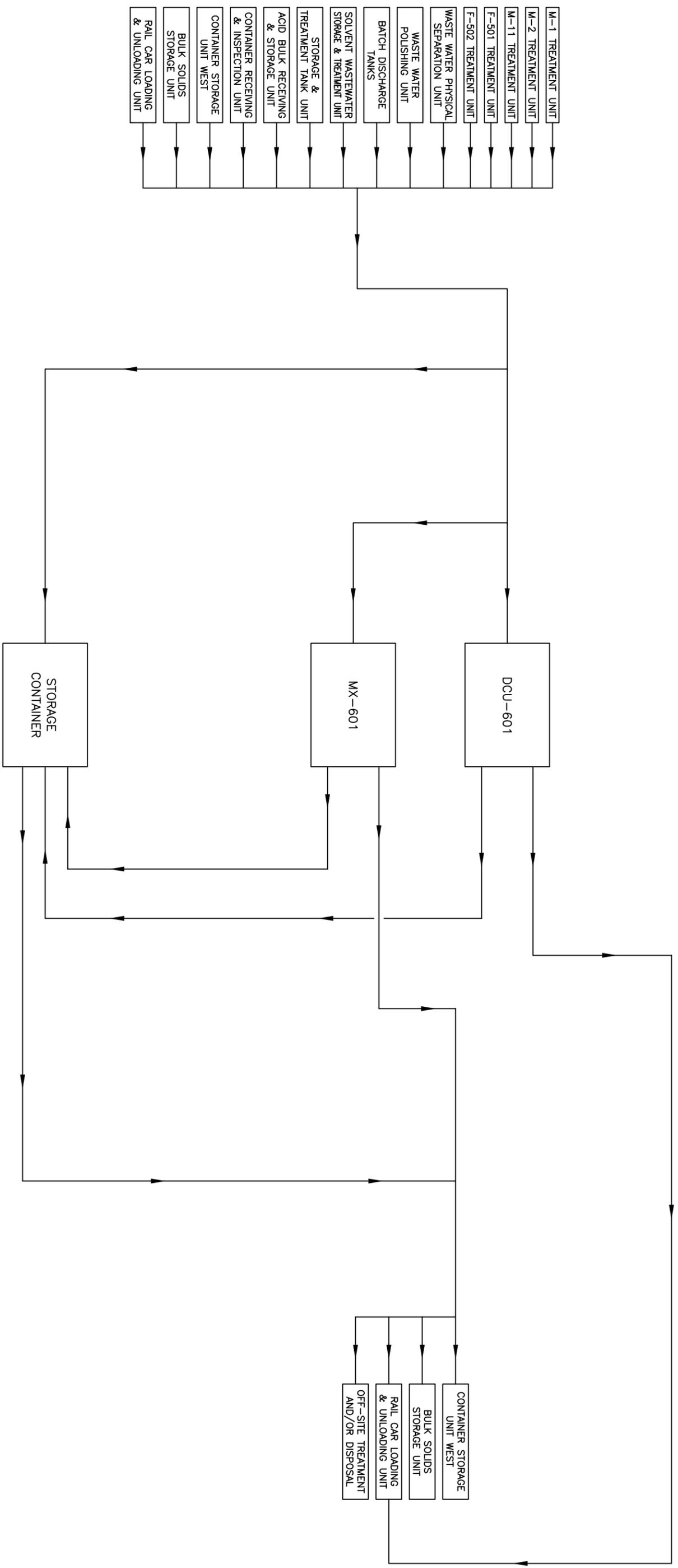
REV	DATE	REVISION	CHK	APP
NC	4/24/2004	INITIAL RELEASE, KS 4/24/04-AV		

**DE** ENVIRONMENTAL  
 VERNON  
 CALIFORNIA

DWG TITLE:  
 CONSOLIDATION OF SOLIDS  
 & SLUDGES UNIT

DWG #: IV-17 (INITIAL)  
 DRAWN BY: AV  
 DATE: 4/24/2004  
 PAGE: 1 OF 1  
 REV: NC

SCALE: NONE



SCALE: NONE	REV	DATE	REVISION	CHK	APP
ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.	NC	4/20/04	INITIAL RELEASE, 4/20/2004-AV		
	A	5/18/04	UPDATED PER REDLINE, 5/19/2004-AV		
	B	7/13/05	UPDATED PER REDLINE, 7/13/2005-HE		

VERNON			
DWG TITLE: INITIAL PFD CONSOLIDATION OF SOLIDS & SLUDGES UNIT			
DRAWN BY: AV	DATE: 4/20/2004	DWG #:	DKE_413
		PAGE: 1	REV. B

UNIT NAME	<b>Bulk Solids Storage Unit (BSSU)</b>
LOCATION	Bulk Solids Storage Unit is located south of the Container Receiving and Inspection Unit. Bulk Solids Storage Unit is common with the Consolidation of Solids and Sludges Unit, and the Railcar Loading and Unloading Unit. The location of this equipment and the boundary of this waste management unit are shown in Figure IV-18 (Initial).
ACTIVITY TYPE	Storage of solids in containers.
ACTIVITY DESCRIPTION	This unit stores solids without free liquids in roll-off bins, end dumps, and other DOT containers in any mixtures of sizes.
PHYSICAL DESCRIPTION	The Bulk Solids Storage Unit is on a concrete pad.
MAXIMUM CAPACITY	600 cubic yards (storage in containers) of solids in any mixture of sizes of roll-off bins, end dump trailers, and other DOT containers.
WASTES COME FROM	<p>Wastes come to this unit from:</p> <p>Wastes come to this unit from:</p> <ul style="list-style-type: none"> <li>M-1 Treatment Unit</li> <li>M-2 Treatment Unit</li> <li>M-11 Treatment Unit</li> <li>F-501 Treatment Unit</li> <li>F-502 Treatment Unit</li> <li>Wastewater Physical Separation Unit</li> <li>Wastewater Polishing Unit</li> <li>Batch Discharge Tanks</li> <li>Solvent Wastewater Storage &amp; Treatment Unit</li> <li>Storage &amp; Treatment Tanks</li> <li>Acid Bulk Receiving &amp; Storage Tanks</li> <li>Container Receiving &amp; Inspection Unit</li> <li>Container Storage Unit West</li> <li>Consolidation of Solids &amp; Sludges Unit</li> <li>Railcar Loading &amp; Unloading Unit</li> <li>Off-site Generators</li> </ul>
WASTE GO TO	<p>Solids from the Bulk Solids Storage Unit can go to the:</p> <p>Container Storage Unit West</p>

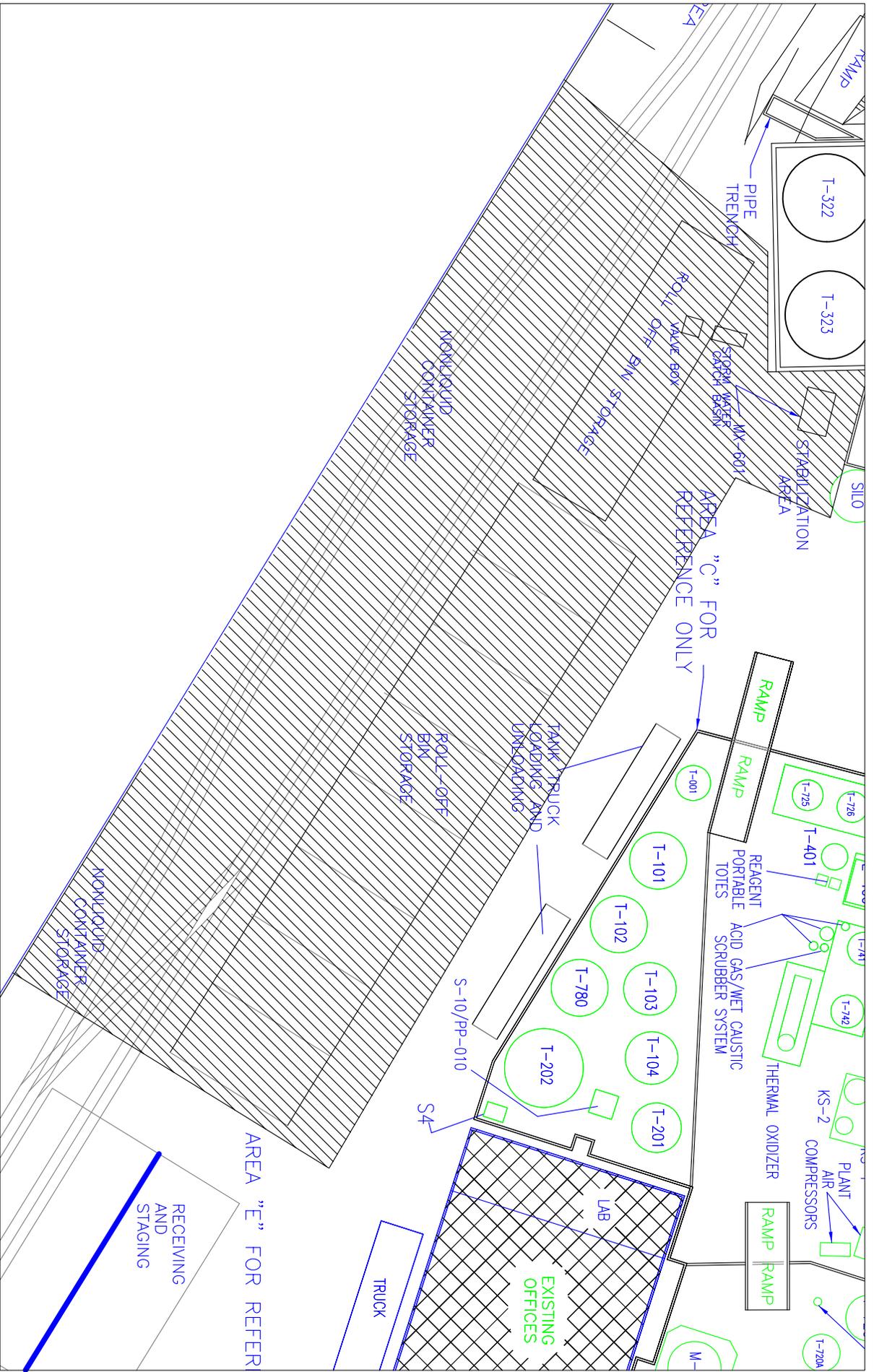
	<p>Consolidation of Solids &amp; Sludges Unit  Railcar Loading &amp; Unloading Unit  Off-site Treatment and/or Disposal</p>
RCRA AIR EMISSION STANDARDS	Must comply with Article 28, Chapter 14, Division 4.5, Title 22 Cal Code Regs 66264 Subpart CC.
WASTE TYPE	Filter cake from the F-501 and F-502 treatment units, bottom solids and sludge from other on-site units, wastes from on-site maintenance activities, solids and sludges from off-site generators, including metal bearing wastes from the metal plating, finishing, and electronics industries, scale and rust removal wastes from boilers, heat exchangers, radiator shops, and various industrial activities, contaminated soil, wastes from equipment cleaning and maintenance activities including tank and container cleaning, oily absorbents, sump cleanout wastes, spent catalysts, debris, waste chemicals (aged, surplus, or off-specification), spill cleanups, latex and silicone wastes, resins, adhesives, asphalt, tar, paints and coatings, inks, salt and brine waste, bilge cleanout, ash, sandblast grit, polymers, spent PPE, carbon, industrial trash, asbestos waste (if friable, consolidation of sealed packages and containers only), photochemical / photo processing wastes, rags, cans, crushed and uncrushed containers and tanks, filtercake, filters, concrete, rocks, grinding / polishing / machining wastes, soaps/detergents/cleaners, alum, gypsum, lime, and phosphate sludges, wastes from pollution control devices, and other similar wastes and other similar sources.
RCRA AND NON-RCRA HAZARDOUS WASTE CODES	<p>This unit may only be used to store or treat the types of wastes listed above that are identified by any of the following RCRA and non-RCRA waste codes:</p> <p style="text-align: center;">RCRA:</p> <p>D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043</p> <p>F001, F002, F003, F004, F005, F006, F007, F008, F009, F010, F011, F012</p> <p>K001, K002, K003, K004, K005, K006, K007, K008, K009,</p>

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	U223, U225, U226, U227, U228, U235, U236, U237, U238, U239, U240, U243, U244, U246, U247, U248  NON-RCRA:  121, 122, 123, 131, 132, 133, 134, 135, 141, 151, 161, 162, 171, 172, 181, 211, 212, 213, 214, 221, 222, 223, 231, 232, 241, 251, 252, 271, 272, 281, 291, 311, 331, 341, 342, 343, 351, 352, 411, 421, 431, 441, 451, 461, 471, 481, 491, 511, 512, 513, 521, 541, 551, 561, 571, 581, 591, 611, 612, 711, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751
UNIT SPECIFIC SPECIAL CONDITIONS	None

## Bulk Solids Storage Unit



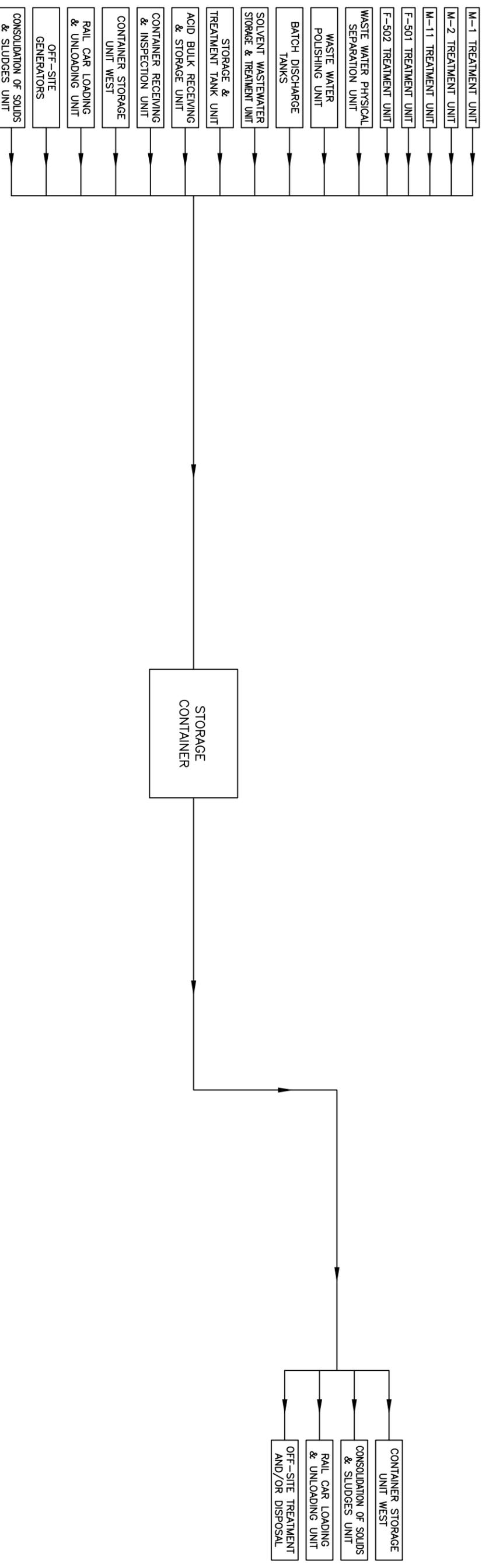


REV	DATE	REVISION	CHK	APP
NC	4/24/2004	INITIAL RELEASE, KS 4/24/04-AV		

**DE** ENVIRONMENTAL CALIFORNIA

VERNON  
 DWG TITLE: BULK SOLIDS STORAGE UNIT  
 DRAWN BY: AV  
 DATE: 4/24/2004  
 PAGE: 1 OF 1  
 REV: NC

SCALE: NONE



REV	DATE	REVISION	CHK	APP
NC	4/20/04	INITIAL RELEASE, 4/20/2004-AV		
A	5/19/04	UPDATED PER REDLINE, 5/19/2004-AV		
B	7/13/05	UPDATED PER REDLINE, 7/13/2005-HE		

SCALE: NONE

ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.

VERNON **DE** ENVIRONMENTAL CALIFORNIA

DWG TITLE: INITIAL PFD BULK SOLID STORAGE UNIT

DWG #: DKE\_414

DRAWN BY: AV

DATE: 4/20/2004

PAGE: 1

REV: B

UNIT NAME	<b>Railcar Loading &amp; Unloading Unit (RLUU)</b>
LOCATION	The Railcar Loading & Unloading system consists of two parallel rail sidings along the eastern property line. The location of this equipment and the boundary of this waste management unit are shown in Figure IV-19 (Initial).
ACTIVITY TYPE	Railcar Loading & Unloading (consolidation of wastes, blending, unloading of railcars)
ACTIVITY DESCRIPTION	<p>The Railcar Loading &amp; Unloading Unit is used to receive wastes from off-site and transfer them to storage and treatment units or directly to trucks that will ship the waste to an off-site facility for treatment.</p> <p>Bulk or containerized liquids may be loaded into railcars for shipment to an off-site facility for treatment or disposal.</p> <p>Bulk or containerized solids may be loaded onto railcars for shipment to an off-site facility for treatment or disposal.</p> <p>Additionally, products that are not wastes may be loaded or unloaded.</p>
PHYSICAL DESCRIPTION	<p>The Railcar Loading &amp; Unloading system consists of two parallel rail sidings.</p> <p>The entire rail spur is paved with concrete, up to and between the rails.</p>
MAXIMUM CAPACITY	The Railcar Loading & Unloading Unit has room for six full railcars.
WASTES COME FROM	<p>Wastes come to this unit from:</p> <ul style="list-style-type: none"> <li>M-1 Treatment Unit</li> <li>M-2 Treatment Unit</li> <li>M-11 Treatment Unit</li> <li>F-501 Treatment Unit</li> <li>F-502 Treatment Unit</li> <li>Wastewater Physical Separation Unit</li> <li>Wastewater Polishing Unit</li> <li>Batch Discharge Tanks</li> <li>Solvent Wastewater Storage &amp; Treatment Unit</li> </ul>

	<p>Storage &amp; Treatment Tanks          Acid Bulk Receiving &amp; Storage Tanks          Container Receiving &amp; Inspection Unit          Container Storage Unit West          Consolidation of Solids &amp; Sludges Unit          Bulk Solids Storage Unit          Loading &amp; Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only)          Off-site Generators</p>
<p>WASTE GOES TO</p>	<p>Used Oil, Waste Oil, and Oily Water from the Railcar Loading &amp; Unloading Unit can go to the:          M-1 Treatment Unit          M-2 Treatment Unit          M-11 Treatment Unit          Storage &amp; Treatment Tanks          Container Receiving &amp; Inspection Unit          Container Storage Unit West          Loading &amp; Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only)          Off-site Treatment and/or Disposal</p> <p>Wastewater from Railcar Loading &amp; Unloading Unit can go to the:          M-1 Treatment Unit          M-2 Treatment Unit          M-11 Treatment Unit          Solvent Wastewater Storage &amp; Treatment Unit          Storage &amp; Treatment Tanks          Container Storage Unit West          Loading &amp; Unloading Rack for Bulk Liquids other than Acids (pH ≥ 4 only)          Off-site Treatment and/or Disposal</p> <p>Solids and sludges from Railcar Loading &amp; Unloading Unit can go to the:          Container Storage Unit West          Consolidation of Solids &amp; Sludges Unit          Bulk Solids Storage Unit          Off-site Treatment and/or Disposal</p> <p>Miscellaneous non-bulk DOT Containers from Railcar Loading &amp; Unloading Unit can go to the:</p>

	<p style="text-align: center;">Container Storage Unit West          Off-site Treatment and/or Disposal</p>
<p>RCRA AIR EMISSION STANDARDS</p>	<p>Must comply with Article 28, Chapter 14, Division 4.5, Title 22 Cal Code Regs 66264 Subpart CC.</p>
<p>WASTE TYPE</p>	<p>The Railcar Loading &amp; Unloading Unit receives and ships wastes in the following categories:</p> <p><u>Oily Water, Used Oil, &amp; Waste Oil</u></p> <hr/> <p>Non-RCRA and RCRA characteristic wastes with waste codes listed below; oily wastewater with solids; used oil, waste oil, &amp; water mixtures; gasoline &amp; water mixtures from underground tanks, wells, &amp; vehicle maintenance; fuel &amp; water mixtures; dilute used glycols; spill cleanups; tank cleaning; container cleaning; wastewater with heavy metals; waste caustics; monitoring &amp; recovery well wastes from remediations; and liquids &amp; sludges from maintenance activities, and other similar wastes.</p> <p><u>Other Liquids, Sludges, &amp; Corrosives</u></p> <p>These wastes include waste corrosives from industrial activities, metal bearing wastes from the metal plating and finishing industry, metal bearing wastes from the electronics industry, scale removal from radiator shops and various industrial activities, storm water, groundwater contaminated with metals, equipment cleaning and maintenance activities (including tank and container cleaning) that results in aqueous wastes with corrosives and/or metals, waste chemicals (aged, surplus, or off-specification) which contain corrosives and/or metals, wastewaters containing organics, and other similar wastes.</p> <p><u>Solids</u></p> <hr/> <p>Filter cake from the F-501 and F-502 treatment units, bottom solids and sludge from other on-site units, wastes from on-site maintenance activities; solids and sludges from off-site generators, including metal bearing wastes from the metal plating, finishing, and electronics industries, scale and rust</p>

	<p>removal wastes from boilers, heat exchangers, radiator shops, and various industrial activities, contaminated soil, wastes from equipment cleaning and maintenance activities including tank and container cleaning, oily absorbents, sump cleanout wastes, spent catalysts, debris, waste chemicals (aged, surplus, or off-specification), spill cleanups, latex and silicone wastes, resins, adhesives, asphalt, tar, paints and coatings, inks, salt and brine waste, bilge cleanout, ash, sandblast grit, polymers, spent PPE, carbon, industrial trash, asbestos waste (if friable, consolidation of sealed packages and containers only), photochemical / photo processing wastes, rags, cans, crushed and uncrushed containers and tanks, filtercake, filters, concrete, rocks, grinding/polishing/machining wastes, soaps/detergents/cleaners, alum, gypsum, lime, and phosphate sludges, wastes from pollution control devices, and other similar wastes.</p>
<p>RCRA AND NON-RCRA HAZARDOUS WASTE CODES</p>	<p>This unit may only be used to store or treat the types of wastes listed above that are identified by any of the following RCRA and non-RCRA waste codes:</p> <p style="text-align: center;">RCRA:</p> <p>D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043</p> <p>F001, F002, F003, F004, F005, F006, F007, F008, F009, F010, F011, F012</p> <p>K001, K002, K003, K004, K005, K006, K007, K008, K009, K010, K011, K013, K014, K015, K016, K017, K018, K019, K020, K021, K022, K023, K024, K025, K026, K027, K028, K029, K030, K031, K032, K033, K034, K035, K036, K037, K038, K039, K040, K041, K042, K043, K044, K045, K046, K047, K048, K049, K050, K051, K052, K060, K061, K062, K069, K071, K073, K083, K084, K085, K086, K087, K088, K093, K094, K095, K096, K097, K098, K099, K101, K102, K103, K104, K105, K106</p> <p>P001, P002, P003, P004, P005, P006, P007, P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018,</p>

<p>P020, P021, P022, P023, P024, P026, P027, P028, P029, P030, P031, P033, P034, P036, P037, P038, P039, P040, P041, P042, P043, P044, P045, P046, P047, P048, P049, P050, P051, P054, P056, P057, P058, P059, P060, P062, P063, P064, P065, P066, P067, P068, P069, P070, P071, P072, P073, P074, P075, P076, P077, P078, P081, P082, P084, P085, P087, P088, P089, P092, P093, P094, P095, P096, P097, P098, P099, P101, P102, P103, P104, P105, P106, P108, P109, P110, P111, P112, P113, P114, P115, P116, P118, P119, P120, P121, P122</p> <p>U001, U002, U003, U004, U005, U006, U007, U008, U009, U010, U011, U012, U014, U015, U016, U017, U018, U019, U020, U021, U022, U023, U024, U025, U026, U027, U028, U029, U030, U031, U032, U033, U034, U035, U036, U037, U038, U039, U041, U042, U043, U044, U045, U046, U047, U048, U049, U050, U051, U052, U053, U055, U056, U057, U058, U059, U060, U061, U062, U063, U064, U066, U067, U068, U069, U070, U071, U072, U073, U074, U075, U076, U077, U078, U079, U080, U081, U082, U083, U084, U085, U086, U087, U088, U089, U090, U091, U092, U093, U094, U095, U096, U097, U098, U099, U101, U102, U103, U105, U106, U107, U108, U109, U110, U111, U112, U113, U114, U115, U116, U117, U118, U119, U120, U121, U122, U123, U124, U125, U126, U127, U128, U129, U130, U131, U132, U133, U134, U135, U136, U137, U138, U140, U141, U142, U143, U144, U145, U146, U147, U148, U149, U150, U151, U152, U153, U154, U155, U156, U157, U158, U159, U160, U161, U162, U163, U164, U165, U166, U167, U168, U169, U170, U171, U172, U173, U174, U176, U177, U178, U179, U180, U181, U182, U183, U184, U185, U186, U187, U188, U189, U190, U191, U192, U193, U194, U196, U197, U200, U201, U202, U203, U204, U205, U206, U207, U208, U209, U210, U211, U213, U214, U215, U216, U217, U218, U219, U220, U221, U222, U223, U225, U226, U227, U228, U234, U235, U236, U237, U238, U239, U240, U243, U244, U246, U247, U248, U249</p> <p style="text-align: center;">NON-RCRA:</p> <p>121, 122, 123, 131, 132, 133, 134, 135, 141, 151, 161, 162, 171, 172, 181, 211, 212, 213, 214, 221, 222, 223, 231, 232, 241, 251, 252, 271, 272, 281, 291, 311, 331, 341, 342, 343, 351, 352, 411, 421, 431, 441, 451, 461, 471, 481, 491, 511,</p>
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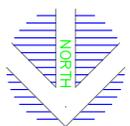
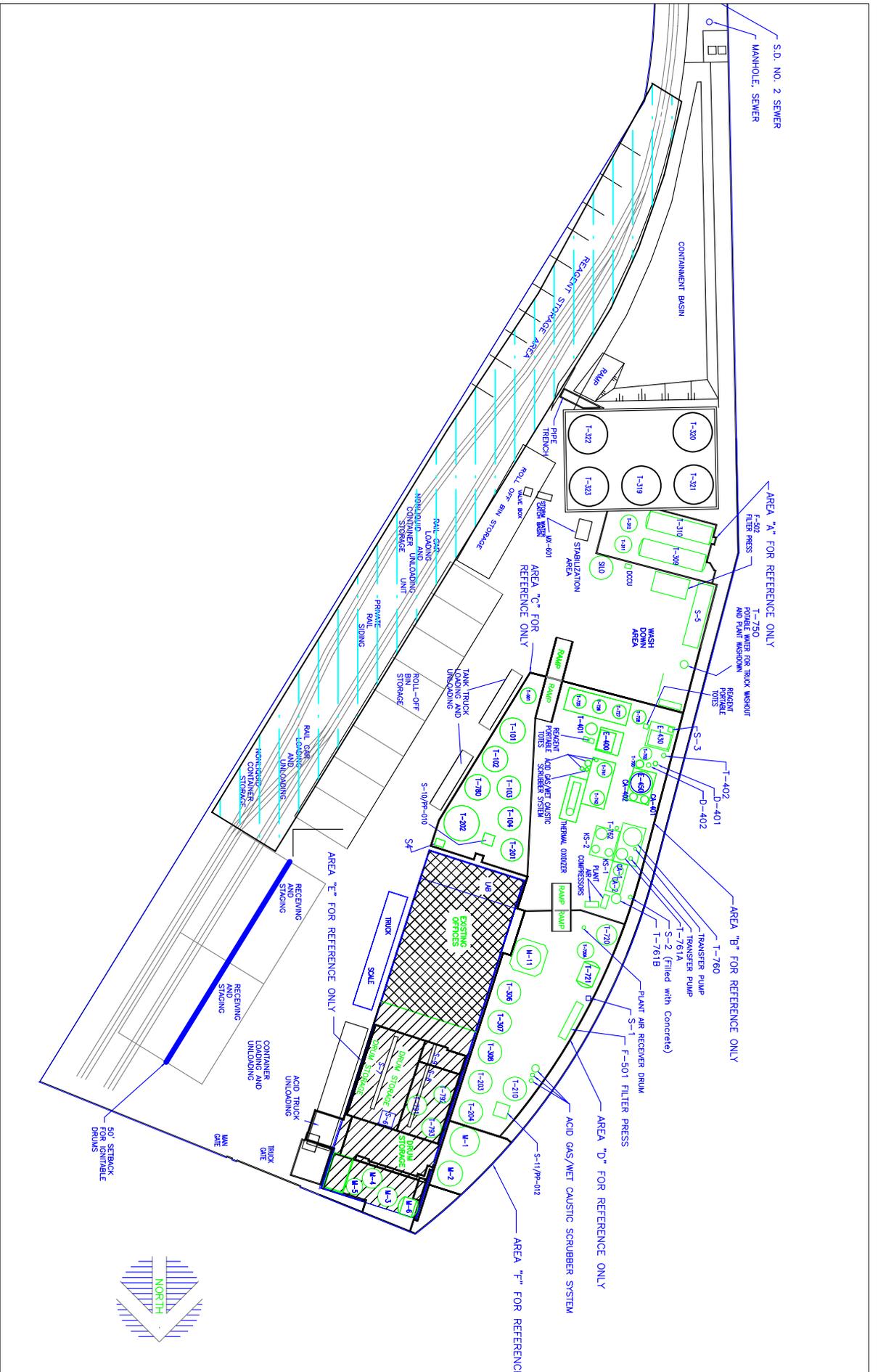
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UNIT SPECIFIC SPECIAL CONDITIONS	None

# Railcar Loading & Unloading Unit



## Railcar Loading & Unloading Unit

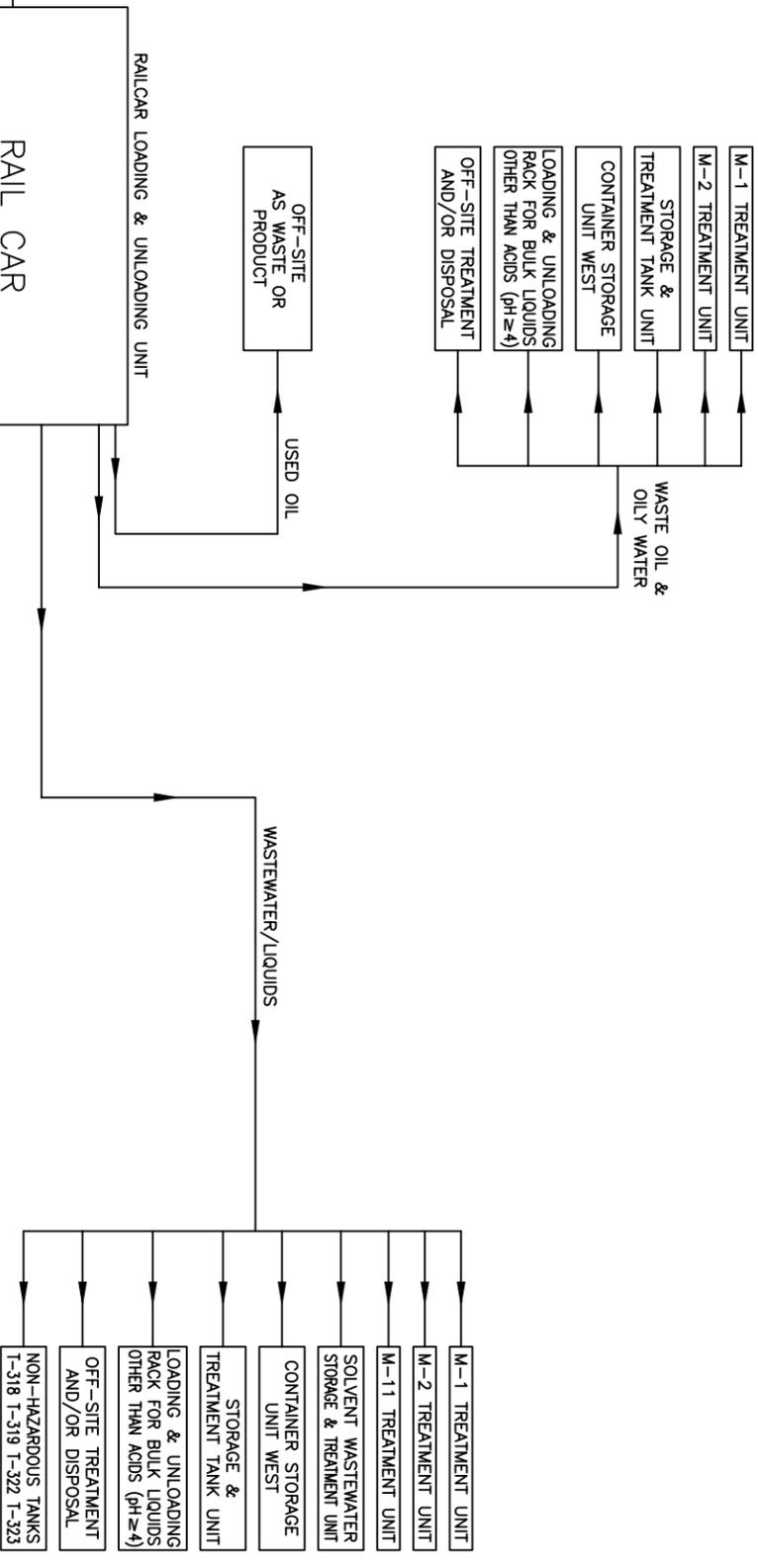
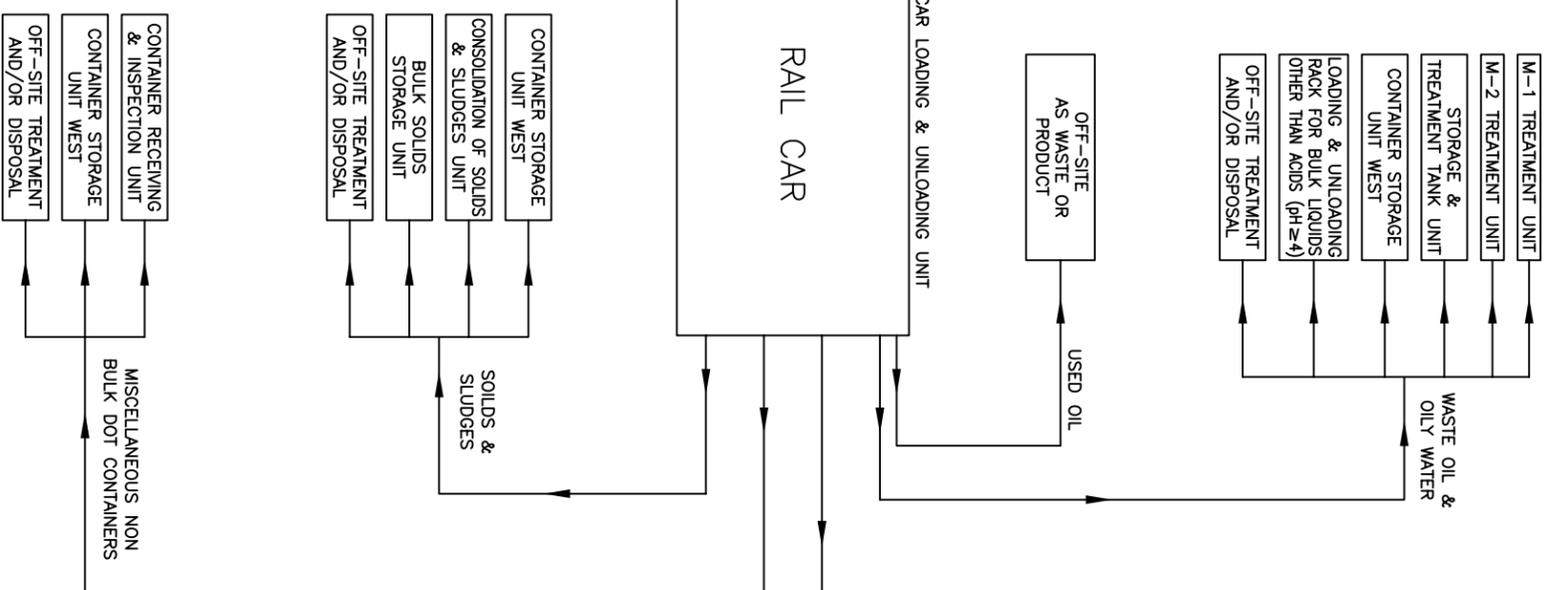




REV	DATE	REVISION	CHK	APP
NC	4/24/2004	INITIAL RELEASE, KS 4/24/04-AV		
A	7/20/2005	UPDATED PER REDLINE: 7/20/05-CT		

**DE ENVIRONMENTAL**  
 CALIFORNIA  
 DWG TITLE: RAILCAR LOADING & UNLOADING UNIT  
 DRAWN BY: AV  
 DATE: 4/24/2004  
 PAGE: 1 OF 1  
 REV: A  
 SCALE: NONE  
 ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.

- M-1 TREATMENT UNIT
- M-2 TREATMENT UNIT
- M-11 TREATMENT UNIT
- F-501 TREATMENT UNIT
- F-502 TREATMENT UNIT
- WASTE WATER PHYSICAL SEPARATION UNIT
- WASTE WATER POLISHING UNIT
- BATCH DISCHARGE TANKS
- SOLVENT WASTEWATER STORAGE & TREATMENT UNIT
- TREATMENT TANK UNIT
- ACID BULK RECEIVING & STORAGE UNIT
- CONTAINER RECEIVING & INSPECTION UNIT
- CONTAINER STORAGE UNIT WEST
- CONSOLIDATION OF SOLIDS & SLUDGES UNIT
- BULK SOLIDS STORAGE UNIT
- LOADING & UNLOADING RACK FOR BULK LIQUIDS OTHER THAN ACIDS (pH ≥ 4)
- OFF-SITE GENERATORS
- NON-HAZARDOUS TANKS T-318 T-319 T-322 T-323



SCALE: NONE

ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.

REV	DATE	REVISION	CHK	APP
NC	4/20/04	INITIAL RELEASE, 4/20/2004-AV		
A	5/19/04	UPDATED PER REDLINE, 5/19/2004-AV		
B	7/16/05	UPDATED PER REDLINE, 7/16/2005-HE		

**DE ENVIRONMENTAL** CALIFORNIA

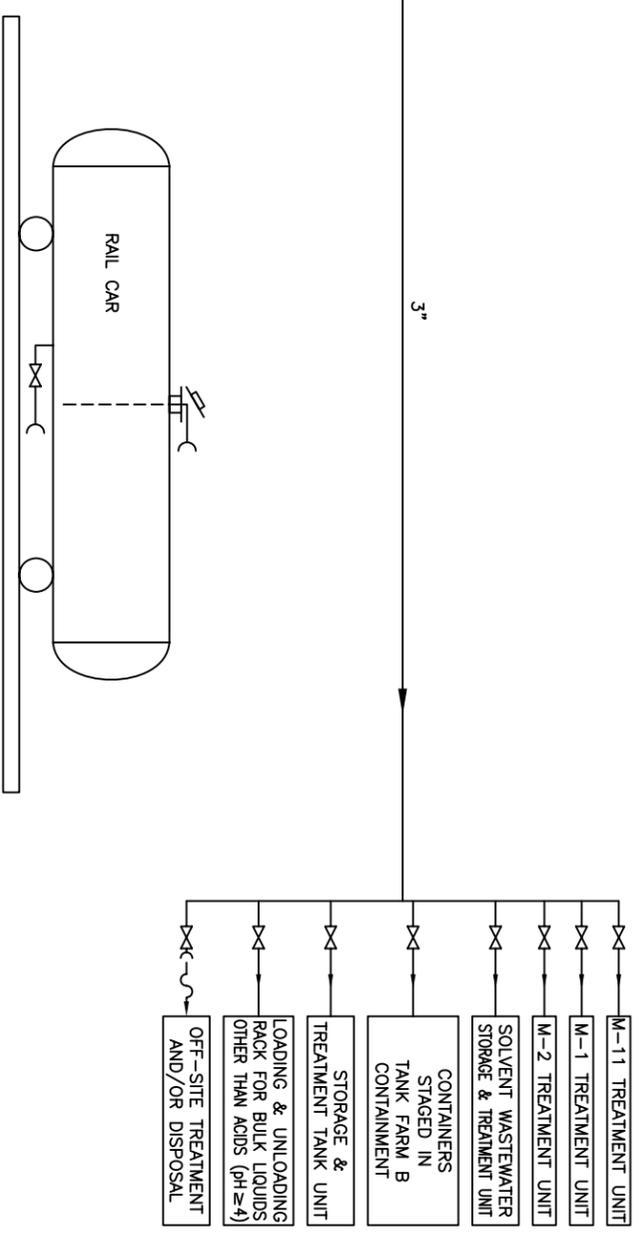
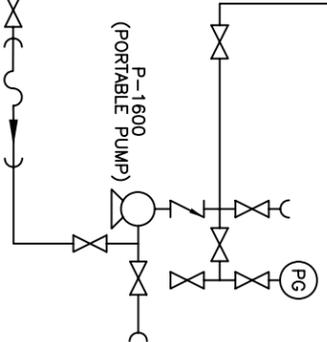
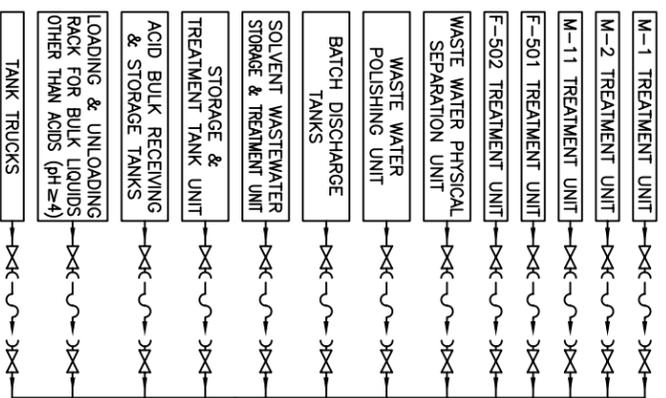
VERNON

DWG TITLE: INITIAL PFD RAILCAR LOADING & UNLOADING UNIT

DWG #: DKE\_415

DRAWN BY: AV DATE: 4/20/2004

PAGE: 1 REV. B



NOTES:

1. ALL CONNECTIONS BETWEEN PUMPS, RAILCARS AND TANK TRUCKS ARE MADE WITH 3" FLEXIBLE HOSE (TYP).

SCALE: NONE  
 ALL INFORMATION ON THIS DRAWING IS TO BE CONSIDERED AS CONFIDENTIAL AND PRIVILEGED INFORMATION.

REV	DATE	REVISION	CHK	APP
NC	7/16/05	INITIAL RELEASE, 7/16/2005-HE		
A	7/18/05	UPDATED PER REDLINE, 7/18/2005-HE		
B	7/18/05	UPDATED PER REDLINE, 7/18/2005-CT		
C	7/20/05	UPDATED PER REDLINE, 7/20/2005-CT		

**DK** ENVIRONMENTAL  
 CALIFORNIA

VERNON  
 DWG TITLE: INITIAL P&ID RAILCAR LOADING & UNLOADING UNIT  
 DRAWN BY: HE  
 DATE: 7/16/2005  
 DWG #: DKE\_500-01  
 PAGE: 1  
 REV. C