

Tank 538 Transfer Station

~~The sump in this area has a pump and associated piping that drains to Cadigan's Tomb. The containment for this area collects in a sump on the east end of the transfer station. Rainfall is transferred by a pump and piping to the adjacent tank farm containment area which has a valve that drains to a large containment vault (Cadigan's Tomb). A valve in Cadigan's Tomb allows it to drain to the process sewer and the WTP.~~

MCS/R² Tank Slurry Load Station

The sump at the R² transfer area has a pump that discharges to the process sewer and the WTP.

(3) Containment System Capacity (373-1.5(b)(1)(iii), 373-2.9(f)(1)(iii))

Drum Storage Structure (1 Year Pad)

The Drum Storage Structure (1 Year Pad) can store 3,480 55-gallon drums for a total storage volume of 191,400 gallons. The containment system can hold approximately 28,480 gallons, which exceeds the ten percent secondary containment requirement, 19,140 gallons. These volumes include sump capacities and exclude the volume occupied by pallets.

Although the partially open sides of the Drum Storage Structure (1 Year Pad) and run on over the apron may allow a minimal amount of precipitation to enter the structure, the containment volume of the area is sufficient to accommodate up to 9,340 gallons of run-on.

RKI Feed Pad

The RKI Feed Pad can store 480 fifty-five gallon drums for a total storage volume of 26,400 gallons. Curbing in this area provides containment for 2,620 gallons, and the floor is pitched toward a sump that provides an additional 60 gallons of containment. The total containment capacity of approximately 2,680 gallons is greater than ten percent of the maximum volume of waste stored in the structure.

The roof overhanging the RKI Feed Pad, the sloping of the surrounding pavement, and the proximity of B96 are sufficient to prevent appreciable amounts of stormwater from entering the RKI Feed Pad. Incidental amounts of stormwater may enter the structure if there is a significant cross wind during a storm event. However, this stormwater collects in the 60-gallon sump and is pumped out within 24 hours.

APS Transfer Station

The APS Transfer Station is designed for one tanker up to 6,000 gallons in size. The containment volume capacity is approximately 36,733 gallons, and the rainfall allowance is approximately 2,722 gallons, based upon 4.8 inches of rainfall. This amounts to an available containment capacity of

and the rainfall allowance is approximately 5,682 gallons, based upon 4.8 inches of rainfall. This amounts to an available containment capacity of approximately 11,189 gallons. The excess 4,689 gallons of containment capacity is sufficient to contain run-on which might enter the system; furthermore, stormwater that accumulates in the sump is pumped out within 24 hours.

71 Transfer Station

The Building 71 Transfer Station is designed for one tanker up to 6,000 gallons in size. The containment capacity is approximately 30,647 gallons and the rainfall allowance is approximately 12,132 gallons, based upon 4.8 inches of rainfall. This amounts to an available containment capacity of approximately 18,515 gallons. The excess 12,515 gallons of containment capacity is sufficient to contain run-on which might enter the system; furthermore, stormwater that accumulates in the sump is pumped out within 24 hours.

Building 76 Transfer Station

The Building 76 Transfer Station is designed for up to two tankers, one up to 2,000 gallons, and the other up to 6,500 gallons in size. The containment capacity is approximately 30,837 gallons and the rainfall allowance is approximately 12,556 gallons, based upon 4.8 inches of rainfall. This amounts to an available containment capacity of approximately 18,281 gallons. The excess 11,781 gallons of containment capacity is sufficient to contain run-on which might enter the system; furthermore, stormwater that accumulates in the sump is pumped out within 24 hours.

Building 78 Transfer Station

The Building 78 Transfer Station is managed to store one tank wagon up to 6,500 gallons in size. An engineering design that accounts for secondary containment capacities will be developed.

Tank 538 Transfer Station

The Tank 538 Transfer Station is designed for one tanker up to ~~6,500~~ 5,121 gallons in size. The net containment capacity including rainfall allowance is approximately ~~64,414~~ 5,375 gallons, ~~and the rainfall allowance is approximately 3,591 gallons, based upon 4.8 inches of rainfall. This amounts to an available containment capacity of approximately 60,820 gallons. The excess 54,320 gallons of containment capacity is sufficient to contain run-on which might enter the system; furthermore,~~ Sstormwater that accumulates in the sump is pumped out within 24 hours.

MCS/R² Tank Slurry Transfer Station

The MCS/R² Tank Slurry Transfer Station is designed for up to three tankers, each up to 1,500 gallons in size. The containment capacity is

Waste Stream	Waste Codes	Authorized CSA	
		DSS	RKI FP
Spent PCB Ballasts (off-site incineration)	B004	X	
Non-routine waste	D004, D005, D008, D010, D035, U002, U037, U122, U220	X	X ¹

Footnotes:

1. Containers containing liquid waste can be located in the RKI FP provided that they must be located in a clearly designated area not to exceed a maximum of four drums that contain liquid hazardous waste. MPM must submit an updated drawing. MPM must provide a list of all potential liquid waste drums to be stored at the RKI FP.

Table C-2 Authorized Hazardous Waste Transfer Areas (TAs)

Storage Area Tanker IDs³ (gallons)	Waste Streams allowed in TA	Largest Container Permitted capacity in TA^{1,2}(gallons)	Maximum Quantity of hazardous waste and/or containers allowed in TA
<u>APS Transfer Station</u> T 3137 (6,500) T 4004 (6,500) T 4386 (6,500) VT 3015 (3,000) VT 3020 (3,000) VT 3022 (3,000) TW-50-230 (5,121)	Non Polar Solvents (NPS), Acid Polar Solvents (APS)	APS/NPS - 6,175 for T 3137, T 4004, T 4386 APS/NPS - 2,850 for VT 3015, VT 3020, VT 3022 APS/NPS - 4,864 for T-50-230	1 container
<u>FBI Transfer Station</u> TW 537 (2000) TW 538 (2000) TW 014-501 (2,000) TW 014-502 (2,000) TW 014-503 (2,000) TW B-1-7171 SC3700 (1,000)	Acetyl Chloride, Methyl Slurry, Miscellaneous Wastes - HMDZ	Acetyl Chloride - 1,900 Methyl Slurry - 1,900 HMDZ - 950	2 containers
<u>RKI Transfer Station</u> TW 537 (2000) TW 538 (2000) TW 014-501 (2,000) TW 014-502 (2,000) TW 014-503 (2,000) TW B-1-7171 SC3700 (1,000) T 70286 (6,500)	Acetyl Chloride, Methyl Slurry, Miscellaneous Wastes - HMDZ, Miscellaneous Wastes - UV Light Ends and Clinker	Acetyl Chloride - 1,900 Methyl Slurry - 1,900 HMDZ - 950 UV Light Ends - 3,325	4 containers – total volume of liquid waste cannot exceed 7,283 gallons

<u>Building 23 Transfer Station</u> T 3137(6,500) T 4004 (6,500) T4386(6,500) T-50-230 (5,121)	APS	APS - 6,175 for T 3137, T 4004, T 4386 APS - 4,864 for T-50-230	1 container
<u>Building 30 Transfer Station</u> TW B-1-7171 SC3700 (1,000)	Miscellaneous Wastes - HMDZ	HMDZ - 950	1 container
<u>Building 71 Transfer Station</u> T 3137 (6,500) T 4004 (6,500) T 4386 (6,500) T-50-230 (5,121)	APS	APS - 6,175 for T 3137, T 4004, T 4386 APS - 4,864 for T-50-230	1 container
<u>Building 76 Transfer Station</u> T 3137 (6,500) T 4004 (6,500) T4386 (6,500) TW 537 (2000) TW 538 (2000) T-50-230 (5,121)	Acetyl Chloride, APS	Acetyl Chloride - 1,900 APS - 6,175 for T 3137, T 4004, T 4386 APS - 4,864 for T-50-230	2 containers
<u>Building 78 Transfer Station</u> ⁴ T 70286 (6,500)	Miscellaneous Wastes - UV Light Ends	UV Light Ends 3,325	1 container
<u>Tank 538 Transfer Station</u> T3137(6,500) T4004 (6,500) T4386(6,500) TW-50-230 (5,121)	NPS, APS	APS/NPS - 6,175 for T 3137, T 4004, T 4386 APS/NPS - 4,864 for T-50-230	1 container
<u>MCS/R2 Tank Slurry Transfer Station</u> TW 014-501 (2,000) TW 014-502 (2,000) TW 014-503 (2,000)	Methyl Slurry	Methyl Slurry - 1,900	2 containers

Footnotes:

1. Product tankers (includes compatible materials such as raw materials, inputs etc., but not hazardous waste) can be stored, loaded or offloaded at vacant transfer slots (each slot must have its own loading/unloading arm or transfer equipment) within each storage area listed in this table, except for the Building 30 transfer volumes listed, subject to the terms of this Permit.
2. Hazardous wastes stored in these areas must be generated on site. No hazardous waste generated in an off-site facility may be stored in these areas.
3. Closed tankers and tank wagons containing hazardous waste may be temporarily located in other permitted transfer areas provided adequate secondary containment is available and the waste is compatible with materials stored in that area and with the secondary containment coating.
- 4 When the National Weather Service predicts a precipitation event with 2.4 inches or greater of total precipitation over a 24 hour period, MPM will: No less than 4 hours prior to the start of the

Tank System I.D.	Maximum Permitted Capacity (gallons)	Tank Usage & Material of Construction	Waste Description	EPA Hazardous Waste Code Nos.	Secondary Containment Volume (gallons)
28B	7,447	Storage Carbon Steel with Liner	NPS and APS	D001, D002, D009, F003, F005	23,333
39	5,000	Storage Carbon Steel	Methyl Slurry	D001, D003, D007, D008, D010	17,797 21,383
40	10,000	Storage Carbon Steel	Methyl Slurry	D001, D003, D007, D008, D010	17,797 21,383
61	10,000	Storage Carbon Steel with Liner	Methyl Slurry	D001, D003, D007, D008, D010	23,300
62	10,000	Storage Carbon Steel with Liner	Methyl Slurry	D001, D003, D007, D008, D010	23,300
250	20,148	Storage Steel plate with Liner	NPS	D001, D009, F003, F005	32,260
251	20,153	Storage Steel plate	NPS	D001, D009, F003, F005	32,260
252	4,950	Storage Steel plate	NPS	D001, D009, F003, F005	32,260
539A	19,344	Storage Carbon Steel with Liner	NPS and APS	D001, D002, D009, F003, F005	44,949