INVENTORIES

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER19960023
Permit Number: 2656-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT100	Tank SL-A				Vinyl Acetate	8760 hr/yr (All Year)
EQT101	Tank SL-B				Vinyl Acetate	8760 hr/yr (All Year)
EQT137	255 -- Tank 2515	6714.5 bbl	6000 gallons/hr	30 MM gallons/yr	acrylic acid - (OHAP Vapor Pressure 0.0988 psi)	8760 hr/yr (All Year)
EQT138	499 -- Tank 1200	95417.5 bbl	376000 gallons/hr	197 MM gallons/yr	ethylene glycol- (OHAP Vapor Pressure 0.0032 psi)	8760 hr/yr (All Year)
EQT139	500 -- Tank 1117	23854 bbl	414400 gallons/hr	197 MM gallons/yr	antifreeze glycol- (OHAP Vapor Pressure 0.0033 psi)	8760 hr/yr (All Year)
EQT140	501 -- Tank 1115	23854 bbl	18000 gallons/hr	29 MM gallons/yr	diethylene glycol- (OHAP Vapor Pressure < 0.001 psi)	8760 hr/yr (All Year)
EQT141	502 -- Tank 1114	152819 bbl	18000 gallons/hr	350000 gallons/yr	polyglycols rerun- (OHAP Vapor Pressure <0.001 psi)	8760 hr/yr (All Year)
EQT142	503 -- Tank 2239	255955 bbl	18000 gallons/hr	108 MM gallons/yr	ethylene glycol- (OHAP Vapor Pressure 0.0032 psi)	8760 hr/yr (All Year)
EQT143	504 -- Tank 2238	255955 bbl	18000 gallons/hr	108 MM gallons/yr	ethylene glycol- (OHAP Vapor Pressure 0.0032 psi)	8760 hr/yr (All Year)
EQT144	505 -- Tank 2313	169675 gallons	12000 gallons/hr	1.25 MM gallons/yr	tetralin	8760 hr/yr (All Year)
EQT145	506 -- Tank 2222	25855.29 bbl	20100 gallons/hr	20.7 MM gallons/yr	ethylene glycol- (OHAP Vapor Pressure 0.0033 psi)	8760 hr/yr (All Year)
EQT146	507 -- Ethylene Oxide Flare		386 MM BTU/hr	41073 MM BTU/yr		8760 hr/yr (All Year)
EQT147	507B -- Tank 2400 - Ethylene Oxide	14399 gallons			Ethylene Oxide; OHAP Vapor Pressure 28.23 psia	8760 hr/yr (All Year)
EQT148	507C -- Tank 2401 - Ethylene Oxide	80322 gallons			Ethylene Oxide; OHAP Vapor Pressure 28.23 psia	8760 hr/yr (All Year)
EQT149	507D -- Tank 2402 - Ethylene Oxide	80322 gallons			Ethylene Oxide; OHAP Vapor Pressure 28.23 psia	8760 hr/yr (All Year)
EQT150	507E -- Tank 2403 - Ethylene Oxide	80322 gallons			Ethylene Oxide; OHAP Vapor Pressure 28.23 psia	8760 hr/yr (All Year)
EQT151	507F -- Tank 2404 - Ethylene Oxide	80322 gallons			Ethylene Oxide; OHAP Vapor Pressure 28.23 psia	8760 hr/yr (All Year)
EQT152	507G -- Tank 2405 - Ethylene Oxide	80322 gallons			Ethylene Oxide; OHAP Vapor Pressure 28.23 psia	8760 hr/yr (All Year)
EQT153	511 -- Tank 1116	36258.29 bbl	376000 gallons/hr	197 MM gallons/yr	ethylene glycol- (OHAP Vapor Pressure 0.0032 psi)	8760 hr/yr (All Year)
EQT154	512 -- Tank 1118 - Ethylene Dichloride (EDC)	36258.29 bbl	45000 gallons/hr	30.18 MM gallons/yr	Ethylene Dichloride (EDC) (raw material)	8760 hr/yr (All Year)
EQT155	513 -- Tank 1119	36258.29 bbl	376000 gallons/hr	197 MM gallons/yr	ethylene glycol- (OHAP Vapor Pressure 0.0032 psi)	8760 hr/yr (All Year)
EQT156	514 -- Tank 1310	41253.88 bbl	26400 gallons/hr	20.7 MM gallons/yr	Quench Oil- (OHAP Vapor Pressure 0.0037 psi)	8760 hr/yr (All Year)
EQT157	515 -- Tank 1320 (Internal Floating Roof Tank)	41253.76 bbl	168000 gallons/hr	2.67 MM gallons/yr	butanol - OHAP Vapor Pressure 0.16 psia	8760 hr/yr (All Year)
EQT158	516 -- Tank 1321 (External Floating Roof Tank)	41253.76 bbl	840000 gallons/hr	17.63 MM bbl/yr	2,099,868 bbl/yr dripolene or 15,530,750 bbl/yr naphtha	8760 hr/yr (All Year)
EQT159	517 -- Tank 1330	41253.88 bbl	60000 gallons/hr	197 MM gallons/yr	ethylene glycol- (OHAP Vapor Pressure 0.0033 psi)	8760 hr/yr (All Year)

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EQT160	518 -- Tank 1331 (External Floating Roof Tank)	41253.76 bbl	840000 gallons/hr	15.53 MM bbl/yr	2,099,868 bbl/yr dripolene or 15,530,750 bbl/yr naphtha	8760 hr/yr (All Year)
EQT161	519 -- Tank 1341 (Internal Floating Roof Tank)	41253.76 bbl	168000 gallons/hr	2.67 MM bbl/yr	butanol - OHAP Vapor Pressure 0.16 psia	8760 hr/yr (All Year)
EQT162	520 -- Tank 2104	869340 gallons	51300 gallons/hr	9.2 MM gallons/yr	DST- DiStill Tails 99% diethylene glycol (OHAP Vapor Pressure 0.0012 psi)	8760 hr/yr (All Year)
EQT163	521 -- Tank 2106	589587 gallons	7800 gallons/hr	12.3 MM gallons/yr	methyl carbitol	8760 hr/yr (All Year)
EQT164	522 -- Tank 2108	589587 gallons	12000 gallons/hr	10 MM gallons/yr	polyamine heavies	8760 hr/yr (All Year)
EQT165	523 -- Tank 2109	589587 gallons	6000 gallons/hr	4.2 MM gallons/yr	methoxytriglycol	8760 hr/yr (All Year)
EQT166	524 -- Tank 2150	203751 gallons	45000 gallons/hr	12 MM gallons/yr	soya oil	8760 hr/yr (All Year)
EQT167	525 -- Tank 2151	28209 gallons	24000 gallons/hr	12 MM gallons/yr	soybean oil EPO	8760 hr/yr (All Year)
EQT168	527 -- Tank 2153	282009 gallons	45000 gallons/hr	12 MM gallons/yr	soya oil	8760 hr/yr (All Year)
EQT169	528 -- Tank 2155	415305 gallons	45000 gallons/hr	12 MM gallons/yr	soya oil	8760 hr/yr (All Year)
EQT170	531 -- Tank 2202	337823 gallons	9000 gallons/hr	11 MM gallons/yr	DEA- (OHAP Vapor Pressure <0.001 psi)	8760 hr/yr (All Year)
EQT171	532 -- Tank 2206	355754 gallons	7500 gallons/hr	1.5 MM gallons/yr	AEP HH	8760 hr/yr (All Year)
EQT172	533 -- Tank 2210	974623 gallons	42000 gallons/hr	13.4 MM gallons/yr	ethanol- (OHAP Vapor Pressure 0.0044 psi)	8760 hr/yr (All Year)
EQT173	534 -- Tank 2211	355754 gallons	42000 gallons/hr	4.7 MM gallons/yr	TTEG- (OHAP Vapor Pressure 0.0142 psi)	8760 hr/yr (All Year)
EQT174	535 -- Tank 2212	152708 gallons	7500 gallons/hr	237452 bbl/yr	methyl carbitol	8760 hr/yr (All Year)
EQT175	536 -- Tank 2220	908116 gallons	42000 gallons/hr	13.4 MM gallons/yr	ethanol- (OHAP Vapor Pressure 0.0044 psi)	8760 hr/yr (All Year)
EQT176	537 -- Tank 2221	908116 gallons	42000 gallons/hr	14.1 MM gallons/yr	TEG- (OHAP Vapor Pressure 0.0020 psi)	8760 hr/yr (All Year)
EQT177	538 -- Tank 2230 - Ethyl Acrylate	856602 gallons	16200 gallons/hr	22.5 MM gallons/yr	Ethyl Acrylate	8760 hr/yr (All Year)
EQT178	540 -- Tank 2247	589587 gallons	6000 gallons/hr	40 MM gallons/yr	Diethylene Glycol- (OHAP Vapor Pressure 0.0016 psi)	8760 hr/yr (All Year)
EQT179	541 -- Tank 2248	138184 gallons	137000 gallons/hr	90 MM gallons/yr	ethylene glycol- (OHAP Vapor Pressure 0.0032 psi)	8760 hr/yr (All Year)
EQT180	542 -- Tank 2249	138184 gallons	137000 gallons/hr	90 MM gallons/yr	ethylene glycol- (OHAP Vapor Pressure 0.0032 psi)	8760 hr/yr (All Year)
EQT181	543 -- Tank 2306	180486 gallons	6000 gallons/hr	4.3 MM gallons/yr	DETA	8760 hr/yr (All Year)
EQT182	544 -- Tank 2308	180486 gallons	12000 gallons/hr	10 MM gallons/yr	DETA-HP	8760 hr/yr (All Year)
EQT183	545 -- Tank 2309	135834 gallons	5400 gallons/hr	4 MM gallons/yr	TEPA	8760 hr/yr (All Year)
EQT184	546 -- Tank 2310 - Ethyl Acrylate	676821 gallons	16200 gallons/hr	22.5 MM gallons/yr	Ethyl Acrylate	8760 hr/yr (All Year)
EQT185	547 -- Tank 2314	47001 gallons	6000 gallons/hr	1.4 MM gallons/yr	MPG Basic- (OHAP Vapor Pressure 0.0082 psi)	8760 hr/yr (All Year)
EQT186	549 -- Tank 2317	73440 gallons	4500 gallons/hr	1.5 MM gallons/yr	amines HH	8760 hr/yr (All Year)
EQT187	571 -- Tank 2141- Hexene Tank		9000 gallons/hr	3 MM gallons/yr	Hexene	8760 hr/yr (All Year)
EQT188	552 -- Tank 2320 - Ethylhexyl Acrylate	676821 gallons	6000 gallons/hr	41 MM gallons/yr	ethylhexyl acrylate	8760 hr/yr (All Year)

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EQT189	553 -- Tank 2330 - Butyl Acrylate	300810 gallons	21000 gallons/hr	41 MM gallons/yr	butyl acrylate	8760 hr/yr (All Year)
EQT190	554 -- Tank 2331 - BAEHA	137056 gallons	9000 gallons/hr	20.9 MM gallons/yr	BA/EHA	8760 hr/yr (All Year)
EQT191	555 -- Tank 2336 - BARC	117504 gallons	6000 gallons/hr	19.8 MM gallons/yr	BARC	8760 hr/yr (All Year)
EQT192	598 -- Tank 1229	100717.48 bbl	60000 gallons/hr	36.1 MM gallons/yr	MEA	8760 hr/yr (All Year)
EQT193	599 -- Tank 1300 (Internal Floating Roof Tank)	41253.76 bbl	60000 gallons/hr	36.1 MM gallons/yr	hexene	8760 hr/yr (All Year)
EQT194	600 -- Tank 1301 (External Floating Roof Tank)	41253.76 bbl	20000 bbl/hr	18.27 MM bbl/yr	2,739,845 bbl/yr dripolene or 15,530,750 bbl/yr naphtha	8760 hr/yr (All Year)
EQT195	601 -- Tank 1311 (External Floating Roof Tank)	41253.76 bbl	20000 bbl/hr	17.63 MM bbl/yr	2,099,868 bbl/yr dripolene or 15,530,750 bbl/yr naphtha	8760 hr/yr (All Year)
EQT196	602 -- Tank 2102 (Internal Floating Roof Tank)	589585 gallons	60000 gallons/hr	157143 bbl/yr	methanol	8760 hr/yr (All Year)
EQT197	603 -- Tank 2205 (Internal Floating Roof Tank)	243655 gallons	60000 gallons/hr	11905 bbl/yr	isopropyl ether	8760 hr/yr (All Year)
EQT198	604 -- Tank 2304	341231 gallons	19500 gallons/day (anticipated flow)	170 MM gallons/yr	crude amines	8760 hr/yr (All Year)
EQT199	606 -- Tank 3100 (External Floating Roof Tank)	240933.48 bbl	84000 gallons/hr	17.63 MM bbl/yr	dripolene (2,099,868 bbl/yr) and naphtha (15,530,750 bbl/yr)	8760 hr/yr (All Year)
EQT200	607 -- Tank 3101 (External Floating Roof Tank)	240933.48 bbl	84000 gallons/hr	17.63 MM bbl/yr	dripolene (2,099,868 bbl/yr) and naphtha (15,530,750 bbl/yr)	8760 hr/yr (All Year)
EQT201	608 -- Tank 4101 (External Floating Roof Tank)	240933.48 bbl	84000 gallons/hr	17.63 MM bbl/yr	dripolene (2,099,868 bbl/yr) and naphtha (15,530,750 bbl/yr)	8760 hr/yr (All Year)
EQT202	617 -- # 1 T/C Rack		60000 gallons/hr	60000 gallons/hr		8760 hr/yr (All Year)
EQT203	619 -- # 3 T/C Rack		60000 gallons/hr	60000 gallons/hr		8760 hr/yr (All Year)
EQT204	621A -- # 5 T/C Rack		60000 gallons/hr	60000 gallons/hr		8760 hr/yr (All Year)
EQT205	621B -- # 6 T/C Rack		60000 gallons/hr	60000 gallons/hr		8760 hr/yr (All Year)
EQT206	625 -- # 2 Dock		60000 gallons/hr	60000 gallons/hr		8760 hr/yr (All Year)
EQT207	625A -- # 1 Dock		60000 gallons/hr	60000 gallons/hr		8760 hr/yr (All Year)
EQT208	627 -- # 4 Dock		60000 gallons/hr	60000 gallons/hr		8760 hr/yr (All Year)
EQT209	632 -- Tank 1340 (Internal Floating Roof Tank)	41253.76 bbl	168000 gallons/hr	2.67 MM bbl/yr	butanol - OHAP Vapor Pressure 0.16 psia	8760 hr/yr (All Year)
EQT210	633 -- Tank 5101 (External Floating Roof Tank)	340424.19 bbl	840000 gallons/hr	17.63 MM bbl/yr	2,099,868 bbl/yr dripolene or 15,530,750 bbl/yr naphtha	8760 hr/yr (All Year)
EQT211	634 -- Tank 6200 (External Floating Roof Tank)	137101.31 bbl	840000 gallons/hr	17.63 MM bbl/yr	2,099,868 bbl/yr dripolene or 15,530,750 bbl/yr naphtha	8760 hr/yr (All Year)
EQT212	637 -- Tank 2337-Butyl Acrylate	548225 gallons	21000 gallons/hr	41 MM gallons/yr	butyl acrylate	8760 hr/yr (All Year)
EQT213	638 -- Tank 2350 - Butyl Acrylate	28648.52 bbl	21000 gallons/hr	41 MM gallons/yr	butyl acrylate	8760 hr/yr (All Year)
EQT214	639 -- Tank 2231	32341.5 bbl	42000 gallons/hr	466571.43 bbl/yr	2-ethylhexanol	8760 hr/yr (All Year)
EQT215	640 -- Tank 2307	406093 gallons	6000 gallons/hr	3.8 MM gallons/yr	TETA	8760 hr/yr (All Year)
EQT216	641 -- Tank 2300	23854.38 bbl	9300 gallons/hr	21 MM gallons/yr	EDA	240 hr/yr (All Year)
EQT217	642 -- Tank 2324	397821 gallons	12000 gallons/day (anticipated flow)	10 MM gallons/yr	ETA-HP	8760 hr/yr (All Year)
EQT218	646 -- Tank 2325	217335 gallons	12000 gallons/hr	4.3 MM gallons/yr	DEDA	8760 hr/yr (All Year)
EQT219	663 -- Tank 2543	74468 gallons	9000 gallons/hr	7.5 MM gallons/yr	MDP	8760 hr/yr (All Year)

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EQT220	666 -- Tank 2514	282009 gallons	6000 gallons/hr	30 MM gallons/yr	acrylic acid	8760 hr/yr (All Year)
EQT221	668 -- # 1 Dock Enclosed Flare		21.64 MM BTU/hr	28198 MM BTU/yr		8760 hr/yr (All Year)
EQT222	3402 -- Tank 2204	31857 gallons	42000 gallons/hr	2.9 MM gallons/yr	crude penta	8760 hr/yr (All Year)
EQT223	3403 -- Vapor Recovery System at Tank 1118					8760 hr/yr (All Year)
EQT224	3406 -- MECS Carbon Canisters		75000 gallons/hr	75000 gallons/hr		8760 hr/yr (All Year)
EQT225	3407 -- Overland Amines Scrubber		60000 gallons/hr	60000 gallons/hr		8760 hr/yr (All Year)
EQT226	3408 -- Overland Piperazine Scrubber		60000 gallons/hr	60000 gallons/hr		8760 hr/yr (All Year)
EQT227	3409 -- # 2 Dock Scrubber for Amines		60000 gallons/hr	60000 gallons/hr		8760 hr/yr (All Year)
EQT228	3410 -- EDA Scrubber at Tank 2300, EIQ 641		6000 gallons/hr	115 gallons/min		8760 hr/yr (All Year)
EQT229	3411 -- Diesel Engine No. 1		440 horsepower	440 horsepower		4368 hr/yr (All Year)
EQT230	3413 -- Packed Scrubber Column		60000 gallons/hr	60000 gallons/hr		5824 hr/yr (All Year)
EQT231	3414 -- Acrylates Enclosed Flare		17.68 MM BTU/hr	27419 MM BTU/yr		8760 hr/yr (All Year)
EQT232	3415 -- Tank 1230	612977 gallons	60000 gallons/hr	36.1 MM gallons/yr	MEA	8760 hr/yr (All Year)
EQT233	3416 -- # 1 T/T Rack		150000 gallons/hr	150000 gallons/hr		8760 hr/yr (All Year)
EQT234	3417 -- Water Pump # 1		79 horsepower	79 horsepower		6132 hr/yr (All Year)
EQT235	3418 -- Water Pump # 2		135 horsepower	135 horsepower		2628 hr/yr (All Year)
EQT236	3419 -- Tank 2200A	869340 gallons	16200 gallons/hr	11.1 MM gallons/yr	Acetic Acid	8760 hr/yr (All Year)
EQT340	572 -- Tank 2142 - Butane / Propane Tank				Butane / Propane (tank vents back to process)	8760 hr/yr (All Year)
EQT341	573 -- Tank 2143 - Butane / Propane Tank				Butane / Propane (tank vents back to process)	8760 hr/yr (All Year)
EQT342	574 -- Tank 2144 - Propylene Tank				Butane / Propane (tank vents back to process)	8760 hr/yr (All Year)
EQT343	575 -- Tank 2145 - Propylene Tank				Butane / Propane (tank vents back to process)	8760 hr/yr (All Year)
EQT344	635 -- Tank 6220 - Crude Butadiene Tank				Butane / Propane (tank vents back to process)	8760 hr/yr (All Year)
EQT345	635A -- Tank 6210 - Crude Butadiene Tank				Butane / Propane (tank vents back to process)	8760 hr/yr (All Year)
EQT346	636 -- Tank 6230 - Propylene Tank				Butane / Propane (tank vents back to process)	8760 hr/yr (All Year)
EQT347	586 -- Tank 2339 - Ammonia Tank				Ammonia	8760 hr/yr (All Year)
EQT348	587 -- Tank 2340 - Ammonia Tank				Ammonia	8760 hr/yr (All Year)
EQT349	661 -- Tank 2541 - 1,3 Butadiene Tank				1,3 Butadiene Tank	8760 hr/yr (All Year)
EQT350	662 -- Tank 2542 - Vinyl Methyl Ether Tank				Vinyl Methyl Ether Tank	8760 hr/yr (All Year)
EQT351	3700 -- Maintenance Surge Pot					8760 hr/yr (All Year)
EQT397	615 -- # 1 T/T Rack		150000 gallons/hr	150000 gallons/hr		8760 hr/yr (All Year)
EQT405	3420 -- Tank 2326	230307 gallons	60000 gallons/hr	4.3 MM gallons/yr	DEDA	8760 hr/yr (All Year)
EQT406	3412 -- Diesel Engine No. 2		250 horsepower	250 horsepower		1550 hr/yr (All Year)
EQT407	3421 -- Diesel Engine No. 3		250 horsepower	250 horsepower		1460 hr/yr (All Year)

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EQT408	Tank-2240 -- Water/Caustic Tank				Water / Caustic	8760 hr/yr (All Year)
EQT409	Tank-2246 -- Water/Caustic Tank				Water / Caustic	8760 hr/yr (All Year)
EQT410	529 -- Tank 2200	869340 gallons	60000 gallons/hr	11.1 MM gallons/yr	Acetic Acid	8760 hr/yr (All Year)
EQT411	551 -- Tank 2319	73440 gallons	60000 gallons/hr	3 MM gallons/yr	AEEA	8760 hr/yr (All Year)
FUG004	196P -- Equipment Fugitive Emissions					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP050	Site Logistic & HCD Olefin Distribution	EQT210 633 -- Tank 5101 (External Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT211 634 -- Tank 6200 (External Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT212 637 -- Tank 2337-Butyl Acrylate
GRP050	Site Logistic & HCD Olefin Distribution	EQT213 638 -- Tank 2350 - Butyl Acrylate
GRP050	Site Logistic & HCD Olefin Distribution	EQT214 639 -- Tank 2231
GRP050	Site Logistic & HCD Olefin Distribution	EQT215 640 -- Tank 2307
GRP050	Site Logistic & HCD Olefin Distribution	EQT216 641 -- Tank 2300
GRP050	Site Logistic & HCD Olefin Distribution	EQT217 642 -- Tank 2324
GRP050	Site Logistic & HCD Olefin Distribution	EQT218 646 -- Tank 2325
GRP050	Site Logistic & HCD Olefin Distribution	EQT219 663 -- Tank 2543
GRP050	Site Logistic & HCD Olefin Distribution	EQT220 666 -- Tank 2514
GRP050	Site Logistic & HCD Olefin Distribution	EQT221 668 -- # 1 Dock Enclosed Flare
GRP050	Site Logistic & HCD Olefin Distribution	EQT222 3402 -- Tank 2204
GRP050	Site Logistic & HCD Olefin Distribution	EQT223 3403 -- Vapor Recovery System at Tank 1118
GRP050	Site Logistic & HCD Olefin Distribution	EQT224 3406 -- MECS Carbon Canisters
GRP050	Site Logistic & HCD Olefin Distribution	EQT225 3407 -- Overland Amines Scrubber
GRP050	Site Logistic & HCD Olefin Distribution	EQT226 3408 -- Overland Piperazine Scrubber
GRP050	Site Logistic & HCD Olefin Distribution	EQT227 3409 -- # 2 Dock Scrubber for Amines
GRP050	Site Logistic & HCD Olefin Distribution	EQT228 3410 -- EDA Scrubber at Tank 2300, EIQ 641
GRP050	Site Logistic & HCD Olefin Distribution	EQT229 3411 -- Diesel Engine No. 1
GRP050	Site Logistic & HCD Olefin Distribution	EQT230 3413 -- Packed Scrubber Column
GRP050	Site Logistic & HCD Olefin Distribution	EQT231 3414 -- Acrylates Enclosed Flare
GRP050	Site Logistic & HCD Olefin Distribution	EQT232 3415 -- Tank 1230
GRP050	Site Logistic & HCD Olefin Distribution	EQT233 3416 -- # 1 T/T Rack
GRP050	Site Logistic & HCD Olefin Distribution	EQT234 3417 -- Water Pump # 1
GRP050	Site Logistic & HCD Olefin Distribution	EQT235 3418 -- Water Pump # 2
GRP050	Site Logistic & HCD Olefin Distribution	EQT236 3419 -- Tank 2200A
GRP050	Site Logistic & HCD Olefin Distribution	EQT340 572 -- Tank 2142 - Butane / Propane Tank

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GRP050	Site Logistic & HCD Olefin Distribution	EQT341 573 -- Tank 2143 - Butane / Propane Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT342 574 -- Tank 2144 - Propylene Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT343 575 -- Tank 2145 - Propylene Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT344 635 -- Tank 6220 - Crude Butadiene Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT345 635A -- Tank 6210 - Crude Butadiene Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT100 Tank SL-A
GRP050	Site Logistic & HCD Olefin Distribution	EQT346 636 -- Tank 6230 - Propylene Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT347 586 -- Tank 2339 - Ammonia Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT348 587 -- Tank 2340 - Ammonia Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT349 661 -- Tank 2541 - 1,3 Butadiene Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT350 662 -- Tank 2542 - Vinyl Methyl Ether Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT351 3700 -- Maintenance Surge Pot
GRP050	Site Logistic & HCD Olefin Distribution	EQT397 615 -- # 1 T/T Rack
GRP050	Site Logistic & HCD Olefin Distribution	EQT405 3420 -- Tank 2326
GRP050	Site Logistic & HCD Olefin Distribution	EQT160 518 -- Tank 1331 (External Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT159 517 -- Tank 1330
GRP050	Site Logistic & HCD Olefin Distribution	EQT158 516 -- Tank 1321 (External Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT157 515 -- Tank 1320 (Internal Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT156 514 -- Tank 1310
GRP050	Site Logistic & HCD Olefin Distribution	EQT155 513 -- Tank 1119
GRP050	Site Logistic & HCD Olefin Distribution	EQT154 512 -- Tank 1118 - Ethylene Dichloride (EDC)
GRP050	Site Logistic & HCD Olefin Distribution	EQT153 511 -- Tank 1116
GRP050	Site Logistic & HCD Olefin Distribution	EQT152 507G -- Tank 2405 - Ethylene Oxide
GRP050	Site Logistic & HCD Olefin Distribution	EQT169 528 -- Tank 2155
GRP050	Site Logistic & HCD Olefin Distribution	EQT168 527 -- Tank 2153
GRP050	Site Logistic & HCD Olefin Distribution	EQT167 525 -- Tank 2151
GRP050	Site Logistic & HCD Olefin Distribution	EQT166 524 -- Tank 2150
GRP050	Site Logistic & HCD Olefin Distribution	EQT165 523 -- Tank 2109
GRP050	Site Logistic & HCD Olefin Distribution	EQT164 522 -- Tank 2108
GRP050	Site Logistic & HCD Olefin Distribution	EQT163 521 -- Tank 2106
GRP050	Site Logistic & HCD Olefin Distribution	EQT162 520 -- Tank 2104
GRP050	Site Logistic & HCD Olefin Distribution	EQT161 519 -- Tank 1341 (Internal Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT151 507F -- Tank 2404 - Ethylene Oxide
GRP050	Site Logistic & HCD Olefin Distribution	EQT150 507E -- Tank 2403 - Ethylene Oxide
GRP050	Site Logistic & HCD Olefin Distribution	EQT149 507D -- Tank 2402 - Ethylene Oxide
GRP050	Site Logistic & HCD Olefin Distribution	EQT148 507C -- Tank 2401 - Ethylene Oxide
GRP050	Site Logistic & HCD Olefin Distribution	EQT147 507B -- Tank 2400 - Ethylene Oxide

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AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960023

Permit Number: 2656-V0

Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP050	Site Logistic & HCD Olefin Distribution	EQT146 507 -- Ethylene Oxide Flare
GRP050	Site Logistic & HCD Olefin Distribution	EQT145 506 -- Tank 2222
GRP050	Site Logistic & HCD Olefin Distribution	EQT144 505 -- Tank 2313
GRP050	Site Logistic & HCD Olefin Distribution	EQT143 504 -- Tank 2238
GRP050	Site Logistic & HCD Olefin Distribution	EQT142 503 -- Tank 2239
GRP050	Site Logistic & HCD Olefin Distribution	EQT141 502 -- Tank 1114
GRP050	Site Logistic & HCD Olefin Distribution	EQT140 501 -- Tank 1115
GRP050	Site Logistic & HCD Olefin Distribution	EQT139 500 -- Tank 1117
GRP050	Site Logistic & HCD Olefin Distribution	EQT138 499 -- Tank 1200
GRP050	Site Logistic & HCD Olefin Distribution	EQT137 255 -- Tank 2515
GRP050	Site Logistic & HCD Olefin Distribution	EQT101 Tank SL-B
GRP050	Site Logistic & HCD Olefin Distribution	EQT178 540 -- Tank 2247
GRP050	Site Logistic & HCD Olefin Distribution	EQT177 538 -- Tank 2230 - Ethyl Acrylate
GRP050	Site Logistic & HCD Olefin Distribution	EQT176 537 -- Tank 2221
GRP050	Site Logistic & HCD Olefin Distribution	EQT175 536 -- Tank 2220
GRP050	Site Logistic & HCD Olefin Distribution	EQT174 535 -- Tank 2212
GRP050	Site Logistic & HCD Olefin Distribution	EQT173 534 -- Tank 2211
GRP050	Site Logistic & HCD Olefin Distribution	EQT172 533 -- Tank 2210
GRP050	Site Logistic & HCD Olefin Distribution	EQT171 532 -- Tank 2206
GRP050	Site Logistic & HCD Olefin Distribution	EQT170 531 -- Tank 2202
GRP050	Site Logistic & HCD Olefin Distribution	EQT209 632 -- Tank 1340 (Internal Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT208 627 -- # 4 Dock
GRP050	Site Logistic & HCD Olefin Distribution	EQT207 625A -- # 1 Dock
GRP050	Site Logistic & HCD Olefin Distribution	EQT206 625 -- # 2 Dock
GRP050	Site Logistic & HCD Olefin Distribution	EQT205 621B -- # 6 T/C Rack
GRP050	Site Logistic & HCD Olefin Distribution	EQT204 621A -- # 5 T/C Rack
GRP050	Site Logistic & HCD Olefin Distribution	EQT203 619 -- # 3 T/C Rack
GRP050	Site Logistic & HCD Olefin Distribution	EQT202 617 -- # 1 T/C Rack
GRP050	Site Logistic & HCD Olefin Distribution	EQT201 608 -- Tank 4101 (External Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT200 607 -- Tank 3101 (External Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT199 606 -- Tank 3100 (External Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT198 604 -- Tank 2304
GRP050	Site Logistic & HCD Olefin Distribution	EQT197 603 -- Tank 2205 (Internal Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT196 602 -- Tank 2102 (Internal Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT195 601 -- Tank 1311 (External Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT194 600 -- Tank 1301 (External Floating Roof Tank)
GRP050	Site Logistic & HCD Olefin Distribution	EQT193 599 -- Tank 1300 (Internal Floating Roof Tank)

INVENTORIES

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Activity Number: PER19960023
Permit Number: 2656-V0
Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP050	Site Logistic & HCD Olefin Distribution	EQT192 598 -- Tank 1229
GRP050	Site Logistic & HCD Olefin Distribution	EQT191 555 -- Tank 2336 - BARC
GRP050	Site Logistic & HCD Olefin Distribution	EQT190 554 -- Tank 2331 - BAEHA
GRP050	Site Logistic & HCD Olefin Distribution	EQT189 553 -- Tank 2330 - Butyl Acrylate
GRP050	Site Logistic & HCD Olefin Distribution	EQT188 552 -- Tank 2320 - Ethylhexyl Acrylate
GRP050	Site Logistic & HCD Olefin Distribution	EQT187 571 -- Tank 2141- Hexene Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT186 549 -- Tank 2317
GRP050	Site Logistic & HCD Olefin Distribution	EQT185 547 -- Tank 2314
GRP050	Site Logistic & HCD Olefin Distribution	EQT184 546 -- Tank 2310 - Ethyl Acrylate
GRP050	Site Logistic & HCD Olefin Distribution	EQT183 545 -- Tank 2309
GRP050	Site Logistic & HCD Olefin Distribution	EQT182 544 -- Tank 2308
GRP050	Site Logistic & HCD Olefin Distribution	EQT181 543 -- Tank 2306
GRP050	Site Logistic & HCD Olefin Distribution	EQT180 542 -- Tank 2249
GRP050	Site Logistic & HCD Olefin Distribution	EQT179 541 -- Tank 2248
GRP050	Site Logistic & HCD Olefin Distribution	EQT406 3412 -- Diesel Engine No. 2
GRP050	Site Logistic & HCD Olefin Distribution	EQT407 3421 -- Diesel Engine No. 3
GRP050	Site Logistic & HCD Olefin Distribution	EQT408 Tank-2240 -- Water/Caustic Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT409 Tank-2246 -- Water/Caustic Tank
GRP050	Site Logistic & HCD Olefin Distribution	EQT410 529 -- Tank 2200
GRP050	Site Logistic & HCD Olefin Distribution	EQT411 551 -- Tank 2319
GRP050	Site Logistic & HCD Olefin Distribution	FUG4 196P -- Equipment Fugitive Emissions
GRP051	3400 -- SL Loading CAP	GRP78 Capped MGE Rerun Loading
GRP051	3400 -- SL Loading CAP	GRP79 Capped Mono Still Tails, Glycol, Acrylic Acid Loading
GRP051	3400 -- SL Loading CAP	GRP89 Capped Loading - Others
GRP051	3400 -- SL Loading CAP	GRP90 Capped Amines Loading
GRP051	3400 -- SL Loading CAP	GRP91 Capped Quench Oil Loading
GRP051	3400 -- SL Loading CAP	GRP92 Capped Diethanolamine Loading
GRP051	3400 -- SL Loading CAP	GRP93 Capped Butanol Loading
GRP078	Capped MGE Rerun Loading	EQT202 617 -- # 1 T/C Rack
GRP078	Capped MGE Rerun Loading	EQT203 619 -- # 3 T/C Rack
GRP078	Capped MGE Rerun Loading	EQT204 621A -- # 5 T/C Rack
GRP078	Capped MGE Rerun Loading	EQT205 621B -- # 6 T/C Rack
GRP078	Capped MGE Rerun Loading	EQT206 625 -- # 2 Dock
GRP078	Capped MGE Rerun Loading	EQT207 625A -- # 1 Dock
GRP078	Capped MGE Rerun Loading	EQT208 627 -- # 4 Dock
GRP078	Capped MGE Rerun Loading	EQT233 3416 -- # 1 T/T Rack
GRP078	Capped MGE Rerun Loading	EQT397 615 -- # 1 T/T Rack

INVENTORIES

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER19960023
Permit Number: 2656-V0
Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP079	Capped Mono Still Tails, Glycol, Acrylic Acid Loading	EQT202 617 -- # 1 T/C Rack
GRP079	Capped Mono Still Tails, Glycol, Acrylic Acid Loading	EQT203 619 -- # 3 T/C Rack
GRP079	Capped Mono Still Tails, Glycol, Acrylic Acid Loading	EQT204 621A -- # 5 T/C Rack
GRP079	Capped Mono Still Tails, Glycol, Acrylic Acid Loading	EQT205 621B -- # 6 T/C Rack
GRP079	Capped Mono Still Tails, Glycol, Acrylic Acid Loading	EQT206 625 -- # 2 Dock
GRP079	Capped Mono Still Tails, Glycol, Acrylic Acid Loading	EQT207 625A -- # 1 Dock
GRP079	Capped Mono Still Tails, Glycol, Acrylic Acid Loading	EQT208 627 -- # 4 Dock
GRP079	Capped Mono Still Tails, Glycol, Acrylic Acid Loading	EQT233 3416 -- # 1 T/T Rack
GRP079	Capped Mono Still Tails, Glycol, Acrylic Acid Loading	EQT397 615 -- # 1 T/T Rack
GRP081	Acrylates Loading (Non TAP)	EQT202 617 -- # 1 T/C Rack
GRP081	Acrylates Loading (Non TAP)	EQT206 625 -- # 2 Dock
GRP081	Acrylates Loading (Non TAP)	EQT233 3416 -- # 1 T/T Rack
GRP081	Acrylates Loading (Non TAP)	EQT397 615 -- # 1 T/T Rack
GRP082	Ethyl Acrylate Loading	EQT202 617 -- # 1 T/C Rack
GRP082	Ethyl Acrylate Loading	EQT206 625 -- # 2 Dock
GRP082	Ethyl Acrylate Loading	EQT233 3416 -- # 1 T/T Rack
GRP082	Ethyl Acrylate Loading	EQT397 615 -- # 1 T/T Rack
GRP083	Ethylene Oxide T/C Loading	EQT205 621B -- # 6 T/C Rack
GRP084	Crude Acetaldehyde Loading	EQT204 621A -- # 5 T/C Rack
GRP085	Dripolene Dock Loading	EQT207 625A -- # 1 Dock
GRP086	MDP & THBA Loading	EQT204 621A -- # 5 T/C Rack
GRP087	Crude Butadiene Dock Loading	EQT207 625A -- # 1 Dock
GRP088	Propylene Dock Loading	EQT207 625A -- # 1 Dock
GRP089	Capped Loading - Others	EQT202 617 -- # 1 T/C Rack
GRP089	Capped Loading - Others	EQT203 619 -- # 3 T/C Rack
GRP089	Capped Loading - Others	EQT204 621A -- # 5 T/C Rack
GRP089	Capped Loading - Others	EQT205 621B -- # 6 T/C Rack
GRP089	Capped Loading - Others	EQT206 625 -- # 2 Dock
GRP089	Capped Loading - Others	EQT207 625A -- # 1 Dock
GRP089	Capped Loading - Others	EQT208 627 -- # 4 Dock
GRP089	Capped Loading - Others	EQT233 3416 -- # 1 T/T Rack
GRP089	Capped Loading - Others	EQT397 615 -- # 1 T/T Rack
GRP090	Capped Amines Loading	EQT202 617 -- # 1 T/C Rack
GRP090	Capped Amines Loading	EQT203 619 -- # 3 T/C Rack
GRP090	Capped Amines Loading	EQT204 621A -- # 5 T/C Rack
GRP090	Capped Amines Loading	EQT205 621B -- # 6 T/C Rack
GRP090	Capped Amines Loading	EQT206 625 -- # 2 Dock

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP090	Capped Amines Loading	EQT207 625A -- # 1 Dock
GRP090	Capped Amines Loading	EQT208 627 -- # 4 Dock
GRP090	Capped Amines Loading	EQT233 3416 -- # 1 T/T Rack
GRP090	Capped Amines Loading	EQT397 615 -- # 1 T/T Rack
GRP091	Capped Quench Oil Loading	EQT202 617 -- # 1 T/C Rack
GRP091	Capped Quench Oil Loading	EQT203 619 -- # 3 T/C Rack
GRP091	Capped Quench Oil Loading	EQT204 621A -- # 5 T/C Rack
GRP091	Capped Quench Oil Loading	EQT205 621B -- # 6 T/C Rack
GRP091	Capped Quench Oil Loading	EQT206 625 -- # 2 Dock
GRP091	Capped Quench Oil Loading	EQT207 625A -- # 1 Dock
GRP091	Capped Quench Oil Loading	EQT208 627 -- # 4 Dock
GRP091	Capped Quench Oil Loading	EQT233 3416 -- # 1 T/T Rack
GRP091	Capped Quench Oil Loading	EQT397 615 -- # 1 T/T Rack
GRP092	Capped Diethanolamine Loading	EQT202 617 -- # 1 T/C Rack
GRP092	Capped Diethanolamine Loading	EQT203 619 -- # 3 T/C Rack
GRP092	Capped Diethanolamine Loading	EQT204 621A -- # 5 T/C Rack
GRP092	Capped Diethanolamine Loading	EQT205 621B -- # 6 T/C Rack
GRP092	Capped Diethanolamine Loading	EQT206 625 -- # 2 Dock
GRP092	Capped Diethanolamine Loading	EQT207 625A -- # 1 Dock
GRP092	Capped Diethanolamine Loading	EQT208 627 -- # 4 Dock
GRP092	Capped Diethanolamine Loading	EQT233 3416 -- # 1 T/T Rack
GRP092	Capped Diethanolamine Loading	EQT397 615 -- # 1 T/T Rack
GRP093	Capped Butanol Loading	EQT202 617 -- # 1 T/C Rack
GRP093	Capped Butanol Loading	EQT203 619 -- # 3 T/C Rack
GRP093	Capped Butanol Loading	EQT204 621A -- # 5 T/C Rack
GRP093	Capped Butanol Loading	EQT205 621B -- # 6 T/C Rack
GRP093	Capped Butanol Loading	EQT206 625 -- # 2 Dock
GRP093	Capped Butanol Loading	EQT207 625A -- # 1 Dock
GRP093	Capped Butanol Loading	EQT208 627 -- # 4 Dock
GRP093	Capped Butanol Loading	EQT233 3416 -- # 1 T/T Rack
GRP093	Capped Butanol Loading	EQT397 615 -- # 1 T/T Rack
GRP114	Capped Acetic Acid Loading	EQT202 617 -- # 1 T/C Rack
GRP114	Capped Acetic Acid Loading	EQT203 619 -- # 3 T/C Rack
GRP114	Capped Acetic Acid Loading	EQT204 621A -- # 5 T/C Rack
GRP114	Capped Acetic Acid Loading	EQT205 621B -- # 6 T/C Rack
GRP114	Capped Acetic Acid Loading	EQT206 625 -- # 2 Dock
GRP114	Capped Acetic Acid Loading	EQT207 625A -- # 1 Dock

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP114	Capped Acetic Acid Loading	EQT208 627 -- # 4 Dock
GRP114	Capped Acetic Acid Loading	EQT233 3416 -- # 1 T/T Rack
GRP114	Capped Acetic Acid Loading	EQT397 615 -- # 1 T/T Rack

Relationships:

Subject Item	Relationship	Subject Item
EQT146 507 -- Ethylene Oxide Flare	Controls emissions from	EQT148 507C -- Tank 2401 - Ethylene Oxide
EQT146 507 -- Ethylene Oxide Flare	Controls emissions from, (back-up)	EQT147 507B -- Tank 2400 - Ethylene Oxide
EQT146 507 -- Ethylene Oxide Flare	Controls emissions from, (back-up)	EQT149 507D -- Tank 2402 - Ethylene Oxide
EQT146 507 -- Ethylene Oxide Flare	Controls emissions from, (back-up)	EQT150 507E -- Tank 2403 - Ethylene Oxide
EQT146 507 -- Ethylene Oxide Flare	Controls emissions from, (back-up)	EQT151 507F -- Tank 2404 - Ethylene Oxide
EQT146 507 -- Ethylene Oxide Flare	Controls emissions from, (back-up)	EQT152 507G -- Tank 2405 - Ethylene Oxide
EQT147 507B -- Tank 2400 - Ethylene Oxide	Vents to, (recycled back to)	GRP66 Oxides I Unit
EQT149 507D -- Tank 2402 - Ethylene Oxide	Vents to, (recycled back to)	GRP66 Oxides I Unit
EQT150 507E -- Tank 2403 - Ethylene Oxide	Vents to, (recycled back to)	GRP66 Oxides I Unit
EQT151 507F -- Tank 2404 - Ethylene Oxide	Vents to, (recycled back to)	GRP66 Oxides I Unit
EQT152 507G -- Tank 2405 - Ethylene Oxide	Vents to, (recycled back to)	GRP66 Oxides I Unit
EQT223 3403 -- Vapor Recovery System at Tank 1118	Controls emissions from	EQT154 512 -- Tank 1118 - Ethylene Dichloride (EDC)
EQT228 3410 -- EDA Scrubber at Tank 2300, EIQ 641	Controls emissions from	EQT216 641 -- Tank 2300
EQT231 3414 -- Acrylates Enclosed Flare	Controls emissions from	EQT172 533 -- Tank 2210
EQT231 3414 -- Acrylates Enclosed Flare	Controls emissions from	EQT175 536 -- Tank 2220
EQT231 3414 -- Acrylates Enclosed Flare	Controls emissions from	EQT184 546 -- Tank 2310 - Ethyl Acrylate
EQT231 3414 -- Acrylates Enclosed Flare	Controls emissions from	EQT188 552 -- Tank 2320 - Ethylhexyl Acrylate
EQT231 3414 -- Acrylates Enclosed Flare	Controls emissions from	EQT190 554 -- Tank 2331 - BAEHA
EQT231 3414 -- Acrylates Enclosed Flare	Controls emissions from	EQT191 555 -- Tank 2336 - BARC
EQT231 3414 -- Acrylates Enclosed Flare	Controls emissions from	EQT212 637 -- Tank 2337-Butyl Acrylate
EQT231 3414 -- Acrylates Enclosed Flare	Controls emissions from	EQT213 638 -- Tank 2350 - Butyl Acrylate
EQT231 3414 -- Acrylates Enclosed Flare	Controls emissions from	EQT236 3419 -- Tank 2200A
EQT231 3414 -- Acrylates Enclosed Flare	Controls emissions from	EQT177 538 -- Tank 2230 - Ethyl Acrylate
EQT231 3414 -- Acrylates Enclosed Flare	Controls emissions from	EQT189 553 -- Tank 2330 - Butyl Acrylate
GRP78 Capped MGE Rerun Loading	Controlled by	EQT224 3406 -- MECS Carbon Canisters
GRP81 Acrylates Loading (Non TAP)	Controlled by	EQT231 3414 -- Acrylates Enclosed Flare
GRP82 Ethyl Acrylate Loading	Controlled by	EQT231 3414 -- Acrylates Enclosed Flare
GRP83 Ethylene Oxide T/C Loading	Vents to	GRP66 Oxides I Unit
GRP83 Ethylene Oxide T/C Loading	Controlled by, (backup)	EQT146 507 -- Ethylene Oxide Flare
GRP84 Crude Acetaldehyde Loading	Controlled by	GRP76 Flare (EPN 228) at AE-1 Unit
GRP85 Dripolene Dock Loading	Controlled by	EQT221 668 -- # 1 Dock Enclosed Flare

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Relationships:

Subject Item	Relationship	Subject Item
GRP87 Crude Butadiene Dock Loading	Vents to	GRP77 Olefins Unit
GRP88 Propylene Dock Loading	Vents to	GRP77 Olefins Unit
GRP90 Capped Amines Loading	Controlled by	EQT225 3407 -- Overland Amines Scrubber
GRP90 Capped Amines Loading	Controlled by	EQT226 3408 -- Overland Piperazine Scrubber
GRP90 Capped Amines Loading	Controlled by	EQT227 3409 -- # 2 Dock Scrubber for Amines
GRP90 Capped Amines Loading	Controlled by	EQT230 3413 -- Packed Scrubber Column
GRP92 Capped Diethanolamine Loading	Controlled by	EQT225 3407 -- Overland Amines Scrubber
GRP92 Capped Diethanolamine Loading	Controlled by	EQT226 3408 -- Overland Piperazine Scrubber
GRP92 Capped Diethanolamine Loading	Controlled by	EQT227 3409 -- # 2 Dock Scrubber for Amines
GRP92 Capped Diethanolamine Loading	Controlled by	EQT230 3413 -- Packed Scrubber Column
GRP114 Capped Acetic Acid Loading	Controlled by	EQT227 3409 -- # 2 Dock Scrubber for Amines

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperatur (oF)
EQT100	Tank SL-A						
EQT101	Tank SL-B						
EQT137	255 -- Tank 2515			.25		30	77
EQT138	499 -- Tank 1200			.7		32	68.22
EQT139	500 -- Tank 1117			.7		32	68.22
EQT140	501 -- Tank 1115			.7		32	68.22
EQT141	502 -- Tank 1114			.7		19	68.22
EQT142	503 -- Tank 2239			.7		22	68.22
EQT143	504 -- Tank 2238			.7		22	68.22
EQT144	505 -- Tank 2313			.7		20	68.22
EQT145	506 -- Tank 2222			.7		32	68.22
EQT146	507 -- Ethylene Oxide Flare			.83		54	1500
EQT153	511 -- Tank 1116			.7		32	68.22
EQT154	512 -- Tank 1118 - Ethylene Dichloride (EDC)			.6		32	69.8
EQT155	513 -- Tank 1119			.7		32	68.22
EQT156	514 -- Tank 1310					32	68.22
EQT157	515 -- Tank 1320 (Internal Floating Roof Tank)					32	
EQT158	516 -- Tank 1321 (External Floating Roof Tank)						70
EQT159	517 -- Tank 1330			.7		32	68.22
EQT161	519 -- Tank 1341 (Internal Floating Roof Tank)					32	
EQT162	520 -- Tank 2104			.7		32	68.22
EQT163	521 -- Tank 2106			.7		32	68.22
EQT164	522 -- Tank 2108			.7		32	130
EQT165	523 -- Tank 2109			.7		32	68.22
EQT166	524 -- Tank 2150			.7		30	68.22
EQT167	525 -- Tank 2151			.7		30	104

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Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperatur (oF)
EQT168	527 -- Tank 2153			.7		30	68.22
EQT169	528 -- Tank 2155			.7		32	68.22
EQT170	531 -- Tank 2202			.5		23	72.54
EQT171	532 -- Tank 2206			.7		32	68.22
EQT172	533 -- Tank 2210			.7		32	68.22
EQT173	534 -- Tank 2211			.7		32	68.22
EQT174	535 -- Tank 2212			.7		32	68.22
EQT175	536 -- Tank 2220			.7		32	68.22
EQT176	537 -- Tank 2221			.7		32	68.22
EQT177	538 -- Tank 2230 - Ethyl Acrylate			.7		32	68.22
EQT178	540 -- Tank 2247			.7		32	68.22
EQT179	541 -- Tank 2248			.7		30	68.22
EQT180	542 -- Tank 2249			.7		30	68.22
EQT181	543 -- Tank 2306			.7		30	68.22
EQT182	544 -- Tank 2308			.7		30	68.22
EQT183	545 -- Tank 2309			.7		20	68.22
EQT184	546 -- Tank 2310 - Ethyl Acrylate			.7		32	68.22
EQT185	547 -- Tank 2314			.7		20	122
EQT186	549 -- Tank 2317			.7		20	68.22
EQT187	571 -- Tank 2141- Hexene Tank						
EQT188	552 -- Tank 2320 - Ethylhexyl Acrylate			.7		32	68.22
EQT189	553 -- Tank 2330 - Butyl Acrylate			.7		32	68.22
EQT190	554 -- Tank 2331 - BAEHA			.7		32	68.22
EQT191	555 -- Tank 2336 - BARC			.7		32	95
EQT192	598 -- Tank 1229			.5		32	68.22
EQT193	599 -- Tank 1300 (Internal Floating Roof Tank)					32	
EQT194	600 -- Tank 1301 (External Floating Roof Tank)						70
EQT195	601 -- Tank 1311 (External Floating Roof Tank)						70
EQT196	602 -- Tank 2102 (Internal Floating Roof Tank)					32	
EQT197	603 -- Tank 2205 (Internal Floating Roof Tank)					32	
EQT198	604 -- Tank 2304			.7		30	68.22
EQT199	606 -- Tank 3100 (External Floating Roof Tank)						70
EQT200	607 -- Tank 3101 (External Floating Roof Tank)						70
EQT201	608 -- Tank 4101 (External Floating Roof Tank)						70
EQT209	632 -- Tank 1340 (Internal Floating Roof Tank)					32	
EQT210	633 -- Tank 5101 (External Floating Roof Tank)						70
EQT211	634 -- Tank 6200 (External Floating Roof Tank)						70
EQT212	637 -- Tank 2337-Butyl Acrylate			.7		32	86
EQT213	638 -- Tank 2350 - Butyl Acrylate			.7		32	68.22
EQT214	639 -- Tank 2231			.7		32	68.22
EQT215	640 -- Tank 2307			.6		30	69.54
EQT216	641 -- Tank 2300			.7		32	86

INVENTORIES

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Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperatu (oF)
EQT217	642 -- Tank 2324			.7		32	69.8
EQT218	646 -- Tank 2325			.7		34	167
EQT219	663 -- Tank 2543			.7		13	67.2
EQT220	666 -- Tank 2514			.25		30	77
EQT221	668 -- # 1 Dock Enclosed Flare	263	1842	7		47	1500
EQT222	3402 -- Tank 2204			.7		41	68.22
EQT223	3403 -- Vapor Recovery System at Tank 1118			.25		10	85
EQT224	3406 -- MECS Carbon Canisters	951	700	.13		60	77
EQT225	3407 -- Overland Amines Scrubber	133.6	66.8	.5		38	131
EQT226	3408 -- Overland Piperazine Scrubber	224	56	.25		25	248.67
EQT227	3409 -- # 2 Dock Scrubber for Amines	268	134	.5		11	77
EQT228	3410 -- EDA Scrubber at Tank 2300, EIQ 641	1212	400	.33		25	68
EQT230	3413 -- Packed Scrubber Column			1.3		5	
EQT232	3415 -- Tank 1230			.5		32	120
EQT236	3419 -- Tank 2200A			.7		32	69.54
EQT410	529 -- Tank 2200			.7		32	69.54
EQT411	551 -- Tank 2319			.7		20	68.22

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP050	1	MM Lb/Yr	0630 - Organic Oxides, Alcohols, Glycols (Rated Capacity)

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER19960023
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AI2083

1 Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Facility Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H). [LAC 33:III.501.C.6]

2 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]

3 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]

4 Comply with the recordkeeping and reporting requirements of 40 CFR 61 Subpart FF. Controls are in place for wastewater streams with flow-weighted annual average benzene concentrationss > 10 ppm. Subpart FF. [40 CFR 61.342]

5 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]

6 Submit revised RMP: Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more.
Revised RMP submitted November 29, 2000. [40 CFR 68.36(b)]

EQT100 Tank SL-A

7 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

8 VOC, Total >= 95 % control efficiency using a vapor loss control system.
Instead of a vapor loss control with 95% efficiency, this tank will be equipped with submerged fill pipe, a vapor balance system with rail car or tank truck, to control working losses, and a pressure vacuum relief valve (PVRV) to be set such that there are no breathing losses. Tank will have 100% control efficiency of emissions.
This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified

9 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
Instead of a vapor loss control system, this tank will be equipped with submerged fill pipe, a vapor balance system with rail car or tank truck, to control working losses, and a pressure vacuum relief valve (PVRV) to be set such that there are no breathing losses. Tank will have 100% control efficiency of emissions. [LAC 33:III.2103.E]

10 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

11 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

12 VOC, Total >= 100 % control efficiency.
Tank will be vapor balanced during loading to control working losses and will have a pressure vacuum release valve (PVRV) set at 5 psig to control breathing losses. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Statistical Basis:

13 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Vinyl Acetate, a Class III TAP. MACT is not required. [LAC 33:III.5109.A]

EQT100 Tank SL-A

14 Equipment/operational data recordkeeping by electronic or hard copy continuously Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb.
UCC will comply with the requirements for Group 1 Storage Tanks in NESHAP Subpart FFFF per 40 CFR 63.2535 (c), in lieu of NSPS Subpart Kb. [40 CFR 60.116b(b)]. [40 CFR 60.116b(b)]

15 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb.

UCC will comply with the requirements for Group 1 Storage Tanks in NESHAP Subpart FFFF per 40 CFR 63.2535 (c), in lieu of NSPS Subpart Kb. [40 CFR 60.116b(c)]

16 Group 1 storage tank will have capacity greater than 10,000 gals (40,368 gals), storing material (Vinyl Acetate) with max true vapor pressure of total HAP greater than 1.0 psia.
UCC will comply with provisions of 40 CFR 63.1253 (f) as allowed in 40 CFR 63.2470 (e), instead of the emissions limits specified in Table 4 as per 40 CFR 63.2470 (a) of Subpart FFFF.
Tank will be vapor balanced with rail car or tank truck to control working losses, and will have a pressure vacuum relief valve (PVRV) to control breathing losses.
Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel.
Per 40 CFR 63.2520(a), submit each report listed in Table 11 as applicable.
Keep records specified in 63.2525(a) through (k).
. [40 CFR 63.2520, 40 CFR 63.2525, 40 CFR 63.1253(f), 40 CFR 63.2470, 40 CFR 63.2470(e)]

EQT101 Tank SL-B

17 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

18 VOC, Total >= 95 % control efficiency using a vapor loss control system.
Instead of a vapor loss control with 95% efficiency, this tank will be equipped with submerged fill pipe, a vapor balance system with rail car or tank truck, to control working losses, and a pressure vacuum relief valve (PVRV) to be set such that there are no breathing losses. Tank will have 100% control efficiency of emissions.
This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified

19 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
Instead of a vapor loss control system, this tank will be equipped with submerged fill pipe, a vapor balance system with rail car or tank truck, to control working losses, and a pressure vacuum relief valve (PVRV) to be set such that there are no breathing losses. Tank will have 100% control efficiency of emissions. [LAC 33:III.2103.E]

20 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

21 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

22 VOC, Total >= 100 % control efficiency.
Tank will be vapor balanced during loading to control working losses and will have a pressure vacuum release valve (PVRV) set at 5 psig to control breathing losses. [LAC 33:III.501.C.6]
Which Months: All Year Phases: Statistical Basis:

23 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Vinyl Acetate, a Class III TAP. MACT is not required. [LAC 33:III.5109.A]

EQT101 Tank SL-B

24 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb.
UCC will comply with the requirements for Group 1 Storage Tanks in NESHAP Subpart FFFF per 40 CFR 63.2535 (c), in lieu of NSPS Subpart Kb. [40 CFR 60.116b(b)]

25 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb.

UCC will comply with the requirements for Group 1 Storage Tanks in NESHAP Subpart FFFF per 40 CFR 63.2535 (c), in lieu of NSPS Subpart Kb. [40 CFR 60.116b(c)]

26 Group 1 storage tank will have capacity greater than 10,000 gals (40,368 gals), storing material (Vinyl Acetate) with max true vapor pressure of total HAP greater than 1.0 psia.
UCC will comply with provisions of 40 CFR 63.1253 (f) as allowed in 40 CFR 63.2470 (e), instead of the emissions limits specified in Table 4 as per 40 CFR 63.2470 (a) of Subpart FFFF.
Tank will be vapor balanced with rail car or tank truck to control working losses, and will have a pressure vacuum relief valve (PVRV) to control breathing losses.
Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel.
Per 40 CFR 63.2520(a), submit each report listed in Table 11 as applicable.
Keep records specified in 63.2525(a) through (k).
. [40 CFR 63.2520, 40 CFR 63.2525, 40 CFR 63.1253(f), 40 CFR 63.2470, 40 CFR 63.2470(e)]

EQT137 255 -- Tank 2515

27 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Phenol, a class II TAP.
Tank stores compounds containing Class I and/or Class II TAPs emitted by the facility at a rate over the MER. Compliance with SOCMI HON, as applicable, determined as MACT. [LAC 33:III.5109.A]

28 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT138 499 -- Tank 1200

29 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits 1,4-Dioxane, a Class II TAP.
Control emissions of Class I & II TAPs emitted by the facility at a rate over the MER to a degree that constitutes MACT. Compliance with 40 CFR 63 Subpart G Group 2 Tank requirements determined as MACT. [LAC 33:III.5109.A]

30 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, but OHAP vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT139 500 -- Tank 1117

31 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class II TAPs, Acetaldehyde, 1,4-Dioxane and Glycol Ether.
Control emissions of Class I & II TAPs emitted by the facility at a rate over the MER to a degree that constitutes MACT. Compliance with 40 CFR 63 Subpart G Group 2 Tank requirements determined as MACT. [LAC 33:III.5109.A]

EQT139 500 -- Tank 1117

32 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, but OHAP vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT140 501 -- Tank 1115

33 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class II TAPs 1,4-Dioxane and Glycol Ether.
Tank stores compounds containing Class I or Class II TAPs emitted by the facility at a rate over the MER.
No additional controls necessary to comply with MACT. [LAC 33:III.5109.A]

EQT141 502 -- Tank 1114

34 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class III TAP Ethylene Glycol.
No MACT required. [LAC 33:III.5109.A]

EQT142 503 -- Tank 2239

35 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class II TAPs Acetaldehyde and 1,4-Dioxane.
Control emissions of Class I & II TAPs emitted by the facility at a rate over the MER to a degree that constitutes MACT.
Compliance with 40 CFR 63 Subpart G Group 2 Tank requirements determined as MACT. [LAC 33:III.5109.A]

36 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, but OHAP vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT143 504 -- Tank 2238

37 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class II TAPs Acetaldehyde and 1,4-Dioxane.
Control emissions of Class I & II TAPs emitted by the facility at a rate over the MER to a degree that constitutes MACT.
Compliance with 40 CFR 63 Subpart G Group 2 Tank requirements determined as MACT. [LAC 33:III.5109.A]

38 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, but OHAP vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT144 505 -- Tank 2313

EQT144 505 -- Tank 2313

39 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Napthalene, a Class II TAP.
Tank stores compounds containing Class I or Class II TAPs emitted by the facility at a rate over the MER. Compliance with SOCMI HON, as applicable, determined as MACT. [LAC 33:III.5109.A]

40 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, and vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT145 506 -- Tank 2222

41 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class II TAPs Acetaldehyde, 1,4-Dioxane and Glycol Ethers.
Control emissions of Class I & II TAPs emitted by the facility at a rate over the MER to a degree that constitutes MACT.
Compliance with 40 CFR 63 Subpart G Group 2 Tank requirements determined as MACT. [LAC 33:III.5109.A]

42 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, but OHAP vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT146 507 -- Ethylene Oxide Flare

43 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified

44 Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours. [LAC 33:III.1105]

45 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

46 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ.
Compliance with HON 40 CFR 63 Subpart G determined as compliance with LAC 33:III.2115. [LAC 33:III.2115.J.1]

47 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank 507C vents to Flare 507. Flare determined as MACT for Tank 507C.
Flare 507 is back up control for Tanks 507B, 507D, 507E, 507G. [LAC 33:III.5109.A]

48 Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)]

49 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(3)]

50 Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]

51 Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]

EQT146 507 -- Ethylene Oxide Flare

52 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)]
Which Months: All Year Statistical Basis: None specified

53 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]
Which Months: All Year Statistical Basis: None specified

54 Exit Velocity < 60 ft/sec (18.3 m/sec), as determined using the method specified in 40 CFR 63.11(b)(7)(i). Subpart A. [40 CFR 63.11(b)(7)(i)]
Which Months: All Year Statistical Basis: None specified

55 Exit Velocity >= 60 and < 400 ft/sec (18.3 m/sec and 122 m/sec), as determined by the method specified in 40 CFR 63.11(b)(7)(i). Subpart A. [40 CFR 63.11(b)(7)(ii)]
Which Months: All Year Statistical Basis: None specified

56 Exit Velocity < 400 ft/sec and Vmax, as determined by the method specified in 40 CFR 63.11(b)(7)(i). Determine Vmax using the method specified in 40 CFR 63.11(b)(7)(iii). Subpart A. [40 CFR 63.11(b)(7)(iii)]
Which Months: All Year Statistical Basis: None specified

57 Inlet emissions: Organic HAP >= 95 % reduction, except as provided in 40 CFR 63.119(e)(2). If a flare is used, it shall meet the specifications described in the general control device requirements of 40 CFR 63.11(b). Subpart G. [40 CFR 63.119(e)(1)]
Which Months: All Year Statistical Basis: None specified

58 Do not exceed 240 hours per year of periods of planned routine maintenance of the control device, during which the control device does not meet the specifications of 40 CFR 63.119(e)(1) or (e)(2). Subpart G. [40 CFR 63.119(e)(3)]

59 Perform the compliance determination specified in 40 CFR 63.11(b). Subpart G. [40 CFR 63.120(e)(1)]

60 Submit the information specified in 40 CFR 63.120(e)(2)(i) through (e)(2)(iii) as part of the Notification of Compliance Status required by 40 CFR 63.152(b). Subpart G. [40 CFR 63.120(e)(2)]

61 Continue to meet the general control device requirements specified in 40 CFR 63.11(b). Subpart G. [40 CFR 63.120(e)(4)]

62 Vapor collection system: Design and operate to collect the organic hazardous air pollutant vapors displaced from tank trucks or railcars during loading, and route them to a process, or to a fuel gas system, or to a control device as provided in 40 CFR 63.126(b). Subpart G. [40 CFR 63.126(a)(1)]

63 Vapor collection system: Design and operate such that organic HAP vapors collected at one loading arm will not pass through another loading arm in the rack to the atmosphere. Subpart G. [40 CFR 63.126(a)(2)]

64 Ensure that the process, fuel gas system, or control device used to comply with 40 CFR 63 Subpart G will be operating whenever organic HAP emissions are vented to the process, fuel gas system, or control device. Subpart G. [40 CFR 63.126(a)(3)]

65 Comply with the requirements of 40 CFR 63.11(b). Subpart G. [40 CFR 63.126(b)(2)]

66 Vent system: Secure each valve in the vent system that would divert the vent stream to the atmosphere in a non-diverting position using a car seal or a lock-and-key type configuration; or equip with a flow indicator. Subpart G. [40 CFR 63.126(i)]

67 Vent system: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any by-pass line that could divert the vent stream away from the control device to the atmosphere. Subpart G. [40 CFR 63.127(d)(1)]
Which Months: All Year Statistical Basis: None specified

68 Vent system: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the by-pass line. Subpart G. [40 CFR 63.127(d)(2)(i)]
Which Months: All Year Statistical Basis: None specified

69 Vent system: If car-seal has been broken or valve position changed, record that the vent stream has been diverted. Return the car-seal or lock-and-key combination to the secured position as soon as practicable but not later than 15 calendar days after the change is position is detected. Subpart G. [40 CFR 63.127(d)(2)(ii)]

EQT146 507 -- Ethylene Oxide Flare

70 Vent system: Secure the by-pass line valve in the closed position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.127(d)(2)]

71 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.129(a) through (f). Subpart G. [40 CFR 63.129]

72 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(a) through (d). Subpart G. [40 CFR 63.130]

73 Comply with the requirements of 40 CFR 63.11(b). Subpart H. [40 CFR 63.172(d)]

EQT147 507B -- Tank 2400 - Ethylene Oxide

74 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
Tank vents to Oxide II Unit for recycle and to Flare 507 as backup. [LAC 33:III.2103.A]

75 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
Tank vents to Oxide II unit for recycle and to a 99% efficient Flare, Emission Point 507, as backup during upsets. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified

76 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

77 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

78 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank vents back to process (Oxide II Unit) for recycle and to Flare, Emission Point 507, as back-up during upsets.
Determined as MACT. [LAC 33:III.5109.A]

79 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT148 507C -- Tank 2401 - Ethylene Oxide

80 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
Tank is submerged filled. It is also underground and maintains a constant level. During upset conditions, it vents to a flare with 99% efficiency. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified

81 Equip with a submerged fill pipe. [LAC 33:III.2103.F]

82 Equip with a vapor loss control system consisting of a gathering system capable of collecting the volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors.
Tank is submerged filled. It is also underground and maintains a constant level. During upset conditions, it vents to Flare 507 as backup. [LAC 33:III.2103.F]

83 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

84 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

EQT148 507C -- Tank 2401 - Ethylene Oxide

85 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Compliance with NESHAP (HON) 40 CFR 63 Subparts G & F for Group 1 tanks determined as MACT. [LAC 33:III.5109.A]

86 Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), or route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(2)]

87 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

88 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]

89 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]

90 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]

91 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (h), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

EQT149 507D -- Tank 2402 - Ethylene Oxide

92 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified

93 Equip with a submerged fill pipe. [LAC 33:III.2103.F]

94 Equip with a vapor loss control system consisting of a gathering system capable of collecting the volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors.
Tank vents to the Oxide II Unit for recycle and to Flare 507 only as backup. [LAC 33:III.2103.F]

95 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

96 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

97 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Compliance with NESHAP (HON) 40 CFR 63 Subparts G & F for Group 1 tanks determined as MACT. [LAC 33:III.5109.A]

98 Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), or route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(2)]

99 Ensure that the organic HAP in the emissions meet one of, or a combination of, the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv). Comply with the compliance demonstration requirements in 40 CFR 63.120(f). Subpart G. [40 CFR 63.119(f)(1)]

100 Ensure that the fuel gas system or process is operating at all times when organic hazardous air pollutants emissions are routed to it except as provided in 40 CFR 63.102(a)(1) and 63.119(f)(3)(i) through (f)(3)(iii). Subpart G. [40 CFR 63.119(f)(3)]

101 Prepare a design evaluation (or engineering assessment) that demonstrates the extent to which one or more of the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv) are being met. Submit as part of the Notification of Compliance Status required by 40 CFR 63.152(b). Subpart G. [40 CFR 63.120(f)]

102 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

103 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]

104 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]

105 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]

EQT149 **507D -- Tank 2402 - Ethylene Oxide**

106 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (h), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

EQT150 **507E -- Tank 2403 - Ethylene Oxide**

107 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified

108 Equip with a submerged fill pipe. [LAC 33:III.2103.F]

109 Equip with a vapor loss control system consisting of a gathering system capable of collecting the volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors.
Tank vents to the Oxide II Unit for recycle and to Flare 507 only as backup. [LAC 33:III.2103.F]

110 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

111 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

112 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Compliance with NESHAP (HON) 40 CFR 63 Subparts G & F for Group 1 tanks determined as MACT. [LAC 33:III.5109.A]

113 Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), or route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(2)]

114 Ensure that the organic HAP in the emissions meet one of, or a combination of, the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv). Comply with the compliance demonstration requirements in 40 CFR 63.120(f). Subpart G. [40 CFR 63.119(f)(1)]

115 Ensure that the fuel gas system or process is operating at all times when organic hazardous air pollutants emissions are routed to it except as provided in 40 CFR 63.102(a)(1) and 63.119(f)(3)(i) through (f)(3)(iii). Subpart G. [40 CFR 63.119(f)(3)]

116 Prepare a design evaluation (or engineering assessment) that demonstrates the extent to which one or more of the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv) are being met. Submit as part of the Notification of Compliance Status required by 40 CFR 63.152(b). Subpart G. [40 CFR 63.120(f)]

117 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

118 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]

119 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]

120 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]

121 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (h), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

EQT151 **507F -- Tank 2404 - Ethylene Oxide**

122 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified

123 Equip with a submerged fill pipe. [LAC 33:III.2103.F]

EQT151 507F -- Tank 2404 - Ethylene Oxide

124 Equip with a vapor loss control system consisting of a gathering system capable of collecting the volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors.
Tank vents to the Oxide II Unit for recycle and to Flare 507 only as backup. [LAC 33:III.2103.F]

125 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

126 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

127 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Compliance with NESHAP (HON) 40 CFR 63 Subparts G & F for Group 1 tanks determined as MACT. [LAC 33:III.5109.A]

128 Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), or route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(2)]

129 Ensure that the organic HAP in the emissions meet one of, or a combination of, the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv). Comply with the compliance demonstration requirements in 40 CFR 63.120(f). Subpart G. [40 CFR 63.119(f)(1)]

130 Ensure that the fuel gas system or process is operating at all times when organic hazardous air pollutants emissions are routed to it except as provided in 40 CFR 63.102(a)(1) and 63.119(f)(3)(i) through (f)(3)(iii). Subpart G. [40 CFR 63.119(f)(3)]

131 Prepare a design evaluation (or engineering assessment) that demonstrates the extent to which one or more of the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv) are being met. Submit as part of the Notification of Compliance Status required by 40 CFR 63.152(b). Subpart G. [40 CFR 63.120(f)]

132 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

133 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]

134 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]

135 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]

136 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (h), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

EQT152 507G -- Tank 2405 - Ethylene Oxide

137 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified

138 Equip with a submerged fill pipe. [LAC 33:III.2103.F]

139 Equip with a vapor loss control system consisting of a gathering system capable of collecting the volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors.
Tank vents to the Oxide II Unit for recycle and to Flare 507 only as backup. [LAC 33:III.2103.F]

140 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

141 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

142 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Compliance with NESHAP (HON) 40 CFR 63 Subparts G & F for Group 1 tanks determined as MACT. [LAC 33:III.5109.A]

EQT152 507G -- Tank 2405 - Ethylene Oxide

143 Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), or route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(2)]

144 Ensure that the organic HAP in the emissions meet one of, or a combination of, the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv). Comply with the compliance demonstration requirements in 40 CFR 63.120(f). Subpart G. [40 CFR 63.119(f)(1)]

145 Ensure that the fuel gas system or process is operating at all times when organic hazardous air pollutants emissions are routed to it except as provided in 40 CFR 63.102(a)(1) and 63.119(f)(3)(i) through (f)(3)(iii). Subpart G. [40 CFR 63.119(f)(3)]

146 Prepare a design evaluation (or engineering assessment) that demonstrates the extent to which one or more of the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv) are being met. Submit as part of the Notification of Compliance Status required by 40 CFR 63.152(b). Subpart G. [40 CFR 63.120(f)]

147 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

148 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]

149 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]

150 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]

151 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (h), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

EQT153 511 -- Tank 1116

152 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class II Taps Acetaldehyde and 1,4-Dioxane
Control emissions of Class I & II TAPs emitted by the facility at a rate over the MER to a degree that constitutes MACT. Compliance with 40 CFR 63 Subpart G Group 2 Tank requirements determined as MACT. [LAC 33:III.5109.A]

153 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, but OHAP vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT154 512 -- Tank 1118 - Ethylene Dichloride (EDC)

154 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

155 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
This storage vessel is equipped with submerged fill pipe and 95% efficient vapor recovery system, (Emission Point 3403) located at the tank.
The recovery device is a Pressure Swing Adsorption System (PSA) which consists of two identical carbon adsorption beds. While one bed runs in adsorption mode, the other bed is regenerated. The EDC recovered from the regenerated bed is sent back to the tank.
. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified

156 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]

157 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

EQT154 512 -- Tank 1118 - Ethylene Dichloride (EDC)

158 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

159 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
This storage tank stores 1,2-Dicholoroethane, better known as Ethylene Dichloride (EDC), a Class II TAP.
Final control device is 95% efficient vapor recovery system carbon beds (scrubber) (Emission Point 3403). Determined as MACT
. [LAC 33:III.5109.A]

160 Group 1 storage tank shall comply with all applicable requirements from 40 CFR 63 Subpart FFFF by November 10, 2006. Subpart FFFF. [40 CFR 63.2445(b)]

161 Except when complying wth 40 CFR 63.2485, if you reduce organic HAP emissions by venting emissions through a closed-vent system to any combination of control devices (except a flare) or recovery devices, you must meet the requiremnts of 63.982(c) from 40CFR 63 Subpart SS, and the requirements referenced therein. Subpart FFFF. [40 CFR 63.2450(d)]

162 Total HAP >=95 % reduction by weight accomplished by venting emissions through a closed vent system to any combination of control devices (excluding a flare), as per emission limit option specified in Item 1.b.ii in Table 4 to this subpart. Subpart FFFF
Final control device for this tank is 95% efficient vapor recovery system, Emission Point 3403,
located at the tank.
The recovery device is a Pressure Swing Adsorption System (PSA) which consists of two identical carbon adsorption beds. While one bed runs in adsorption mode, the other bed is regenerated. The EDC recovered from the regenerated bed is sent back to the tank. [40 CFR 63.2470(a)]
Which Months: All Year Statistical Basis: None specified

163 Group 1 tank must meet each emission limit in TABLE 4 to this subpart that applies, and must meet every applicable requirement specified in paragraphs (b) through (e) of this section. Subpart FFFF. [40 CFR 63.2470(a)]

164 Owners or operators who control emissions through a closed vent system to a nonflare control device shall meet the requirements in Subpart SS 40 CFR 63.983 for closed vent systems, the applicable recordkeeping and reporting requirements of Subpart SS 40 CFR 63.998 and 63.999, and the applicable requirements listed paragraphs (c)(1) through (3) of this section. Subpart SS. [40 CFR 63.982(c)]

EQT155 513 -- Tank 1119

165 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Control emissions of Class I & II TAPs emitted by the facility at a rate over the MER to a degree that constitutes MACT.
Tank emits Class II TAPs Acetaldehyde and 1,4-Dioxane (Diethylene Ether) emitted by the facility at a rate over the MER.
Compliance with 40 CFR 63 Subpart G Group 2 Tank requirements determined as MACT. [LAC 33:III.5109.A]

166 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, but OHAP vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT156 514 -- Tank 1310

167 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class I or II pollutants. Compliance with LAC 33:III 2103 determined as MACT. [LAC 33:III.5109.A]

EQT157 515 -- Tank 1320 (Internal Floating Roof Tank)

EQT157 515 -- Tank 1320 (Internal Floating Roof Tank)

168 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Butanol, a Class III TAP. MACT not required. [LAC 33:III.5109.A]

EQT158 516 -- Tank 1321 (External Floating Roof Tank)

169 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

170 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

171 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

172 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

173 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

174 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

175 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

176 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

177 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

178 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

179 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

180 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

181 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

182 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

183 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

184 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Class I and II pollutants emitted are: Acetaldehyde, Benzene, Biphenyl, 1,3-Butadiene, Ethylbenzene, Naphthalene, PAHs, Styrene, and Xylene.
Tank and equipped with a submerged fill pipe and an external floating roof. Determined as MACT. [LAC 33:III.5109.A]

EQT158 516 -- Tank 1321 (External Floating Roof Tank)

185 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

186 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

187 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

188 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

189 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

190 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

191 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

192 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

193 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

194 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

195 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

196 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

197 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

EQT158 516 -- Tank 1321 (External Floating Roof Tank)

198 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

199 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

200 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

201 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

202 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

203 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

204 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

205 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

206 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

207 Install and operate an external floating roof meeting the requirements of 40 CFR 60.112b(a)(2). Subpart FF. [40 CFR 61.351(a)(2)]

208 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

209 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 of this subpart shall comply with the recordkeeping requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.356(k)]

210 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

211 An owner or operator electing to comply with the provisions of 40 CFR 61.351 shall notify the Administrator of the alternative standard selected in the report required under 40 CFR 61.07 or 40 CFR 61.10 of this part. Subpart FF. [40 CFR 61.357(e)]

212 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 shall comply with the reporting requirements in 40 CFR 60.115b in addition to all other applicable reporting requirements in 40 CFR 61. 357 (a) through (g). Subpart FF. [40 CFR 61.357(f)]

EQT158 516 -- Tank 1321 (External Floating Roof Tank)

213 Comply with one of the requirements listed in paragraphs (a)(1) through (a)(3) of this section. Subpart WW
Tank has an external floating roof as per (a)(2). [40 CFR 63.1062]

214 Comply with the all the floating roof requirements in paragraphs (a) through (e) of this section. Subpart WW. [40 CFR 63.1063]

215 A record shall be kept of the of dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored for as long as liquid is stored in the vessel. [40 CFR 63.1065(a)]

216 Records of floating roof inspection results shall be kept as specified in paragraphs (b)(1) and (b)(2) of this section. Subpart WW. [40 CFR 63.1065(b)]

217 Comply with all the recordkeeping requirements from 40 CFR 63.1065. Subpart WW. [40 CFR 63.1065]

218 Comply with all applicable reporting requirements from 40 CFR 1066 (a) - (b). Subpart WW. [40 CFR 63.1066]

219 Comply with the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]

220 Comply with all applicable provisions of 40 CFR 63 Subpart WW. Table 7(b)(1)(i). Subpart YY. [40 CFR 63.1103(e)]

EQT159 517 -- Tank 1330

221 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Control emissions of Class I & II TAPs emitted by the facility at a rate over the MER to a degree that constitutes MACT.
Tank emits Class II TAPs Acetaldehyde, 1,4-Dioxane, and Glycol Ethers, emitted by the facility at a rate over the MER.
Compliance with 40 CFR 63 Subpart G Group 2 Tank requirements determined as MACT. [LAC 33:III.5109.A]

222 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank stores ethylene glycol with VP of 0.0033 psia. [40 CFR 63.123(a)]

EQT160 518 -- Tank 1331 (External Floating Roof Tank)

223 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

224 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

225 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

226 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

227 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

228 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

229 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

230 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

EQT160 518 -- Tank 1331 (External Floating Roof Tank)

231 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

232 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

233 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

234 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

235 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

236 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

237 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

238 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Class I and II pollutants emitted are: Acetaldehyde, Benzene, Biphenyl, 1,3-Butadiene, Ethylbenzene, Naphthalene, PAHs, Styrene, and Xylene.
Tank and equipped with a submerged fill pipe and an external floating roof. Determined as MACT. [LAC 33:III.5109.A]

239 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

240 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

241 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

EQT160 518 -- Tank 1331 (External Floating Roof Tank)

242 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

243 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

244 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

245 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

246 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

247 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

248 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

249 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

250 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

251 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

252 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

253 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

254 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

255 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

256 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

EQT160 518 -- Tank 1331 (External Floating Roof Tank)

257 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

258 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

259 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

260 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

261 Install and operate an external floating roof meeting the requirements of 40 CFR 60.112b(a)(2). Subpart FF. [40 CFR 61.351(a)(2)]

262 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

263 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 of this subpart shall comply with the recordkeeping requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.356(k)]

264 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

265 An owner or operator electing to comply with the provisions of 40 CFR 61.351 shall notify the Administrator of the alternative standard selected in the report required under 40 CFR 61.07 or 40 CFR 61.10 of this part. Subpart FF. [40 CFR 61.357(e)]

266 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 shall comply with the reporting requirements in 40 CFR 60.115b in addition to all other applicable reporting requirements in 40 CFR 61.357 (a) through (g). Subpart FF. [40 CFR 61.357(f)]

267 Comply with one of the requirements listed in paragraphs (a)(1) through (a)(3) of this section. Subpart WW
Tank has an external floating roof as per (a)(2). [40 CFR 63.1062]

268 Comply with the all the floating roof requirements in paragraphs (a) through (e) of this section. Subpart WW. [40 CFR 63.1063]

269 A record shall be kept of the of dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored for as long as liquid is stored in the vessel. Subpart WW. [40 CFR 63.1065(a)]

270 Records of floating roof inspection results shall be kept as specified in paragraphs (b)(1) and (b)(2) of this section. Subpart WW. [40 CFR 63.1065(b)]

271 Comply with all the recordkeeping requirements from 40 CFR 63.1065. Subpart WW. [40 CFR 63.1065]

272 Comply with all applicable reporting requirements from 40 CFR 1066 (a) - (b). Subpart WW. [40 CFR 63.1066]

273 Comply with the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]

274 Comply with all applicable provisions of 40 CFR 63 Subpart WW. Table 7(b)(1)(ii). Subpart YY. [40 CFR 63.1103(e)]

EQT161 519 -- Tank 1341 (Internal Floating Roof Tank)

275 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Butanol, a Class III TAP. MACT not required. [LAC 33:III.5109.A]

EQT162 **520 -- Tank 2104**

276 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class I TAP Formaldehyde; Class II TAPs Acetaldehyde, and 1,4-Dioxane.
Tank stores compounds containing Class I and Class II TAPs emitted by the facility at a rate over the MER. Compliance HON Group 2 Tank provisions determined as MACT (40 CFR 63.123(a)). [LAC 33:III.5109.A]

EQT163 **521 -- Tank 2106**

277 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Glycol Ethers, a Class II TAP.
Tank stores compounds containing Class I or Class II TAPs emitted by the facility at a rate over the MER. Compliance with SOCMI HON, as applicable, determined as MACT. [LAC 33:III.5109.A]

278 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, and vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT164 **522 -- Tank 2108**

279 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores polyamine heavies (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT165 **523 -- Tank 2109**

280 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Glycol Ethers, a Class II TAP.
Tank stores compounds containing Class I or Class II TAPs emitted by the facility at a rate over the MER. Compliance with SOCMI HON, as applicable, determined as MACT. [LAC 33:III.5109.A]

281 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, and vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT166 **524 -- Tank 2150**

282 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Soya Oil (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT167 **525 -- Tank 2151**

283 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Soybean Oil EPO (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT168 **527 -- Tank 2153**

EQT168 **527 -- Tank 2153**

284 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Soya Oil (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT169 **528 -- Tank 2155**

285 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Soya Oil (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT170 **531 -- Tank 2202**

286 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores only TAPs on the Supplemental List of LAC 33:III Chapter 51. MACT is not required. [LAC 33:III.5109.A]

287 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G.
Capacity > 39,890 gallons and vapor pressure < 0.75 psia. [40 CFR 63.123(a)]

EQT171 **532 -- Tank 2206**

288 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Diethanolamine, a TAP from the Supplemental List of LAC 33:III Chapter 51. MACT is not required. [LAC 33:III.5109.A]

EQT172 **533 -- Tank 2210**

289 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class II TAPs Acetaldehyde and Ethyl Acrylate, emitted by the facility at a rate over the MER. The emissions from this tank are vented through the Acrylate Enclosed Flare, EIQ 3414 with a 98% control efficiency. Determined as MACT. [LAC 33:III.5109.A]

EQT173 **534 -- Tank 2211**

290 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class I TAP Formaldehyde and Class II TAPs Acetaldehyde and Glycol Ethers, emitted by the facility at a rate over the MER. TAPs are less than or equal 1% by weight. No controls determined as MACT. [LAC 33:III.5109.A]

EQT174 **535 -- Tank 2212**

291 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Glycol Ethers, a Class II TAP.
Tank stores compounds containing Class I or Class II TAPs emitted by the facility at a rate over the MER. Compliance with SOCMI HON, as applicable, determined as MACT. [LAC 33:III.5109.A]

292 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G.
Tank capacity is greater than 39,890 gallons, and vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT175 536 -- Tank 2220

293 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class II TAPs Acetaldehyde and Ethyl Acrylate, emitted by the facility at a rate over the MER. Emissions from this tank are vented through the Acrylate Enclosed Flare, EIQ 3414 with a 98% control efficiency. Determined as MACT. [LAC 33:III.5109.A]

EQT176 537 -- Tank 2221

294 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Class II TAP Acetaldehyde, emitted by the facility at a rate over the MER. Compliance with HON Group 2 Tank provisions (40 CFR 63.123(a). Determined as MACT. [LAC 33:III.5109.A]

EQT177 538 -- Tank 2230 - Ethyl Acrylate

295 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Emissions are vented to a 98% efficient enclosed flare, Emission Point 3414, Acrylates Flare. Determined as MACT. [LAC 33:III.5109.A]

296 Total HAP >= 95 % reduction by weight. Subpart EEEE
Emissions are routed to the Acrylates Enclosed Flare, Emission Point 3414, with a 98% control efficiency. [40 CFR 63.2346(a)(1)]
Which Months: All Year Statistical Basis: None specified

297 Meet the emission limits specified in item 1.a.i of Table 2 to this subpart, and comply with the applicable requirements specified in 40 CFR part 63.982(a) Subpart SS for meeting emission limits. Subpart EEEE. [40 CFR 63.2346(a)(1)]

298 Demonstrate continuous compliance with each emission limitation, operating limit and work practice standard in Tables 2-4 to this subpart that applies to you according to the methods specified in subpart SS of this part and in Tables 8 through 10 to this subpart, as applicable. Subpart EEEE. [40 CFR 63.2378(a)]

299 Follow the requirements in 40 CFR 63.6(e)(1) and (3) during periods of startup, shutdown malfunction, or nonoperation of the affected source, or any part thereof. In addition, the provisions of paragraphs 40 CFR 63.2378 (b)(1) through 63.2378 (b)(3) of this section apply. Subpart EEEE. [40 CFR 63.2378(b)]

300 Submit each report in subpart SS of this part, Table 11 and 12 to this subpart, and in paragraphs (c) through (e) of this section as applicable. Subpart EEEE. [40 CFR 63.2386(a)]

EQT178 540 -- Tank 2247

301 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Control emissions of Class I & II TAPs emitted by the facility at a rate over the MER to a degree that constitutes MACT.
Tank emits Acetaldehyde, Glycol Ethers, and 1,4- Dioxane, Class II TAPs emitted by the facility at a rate over the MER. Compliance with 40 CFR 63 Subpart G Group 2 Tank requirements determined as MACT. [LAC 33:III.5109.A]

302 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, but OHAP vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT179 541 -- Tank 2248

303 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Control emissions of Class I & II TAPs emitted by the facility at a rate over the MER to a degree that constitutes MACT.
Tank emits Class II TAPs Acetaldehyde and 1,4-Dioxane emitted by the facility at a rate over the MER.
Compliance with 40 CFR 63 Subpart G Group 2 Tank requirements determined as MACT. [LAC 33:III.5109.A]

EQT179 541 -- Tank 2248

304 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, but OHAP vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT180 542 -- Tank 2249

305 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Control emissions of Class I & II TAPs emitted by the facility at a rate over the MER to a degree that constitutes MACT.
Tank emits Class II TAPs Acetaldehyde and 1,4-Dioxane emitted by the facility at a rate over the MER.
Compliance with 40 CFR 63 Subpart G Group 2 Tank requirements determined as MACT. [LAC 33:III.5109.A]

306 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G
Tank capacity is greater than 39,890 gallons, but OHAP vapor pressure of material stored is less than 0.75 psia. [40 CFR 63.123(a)]

EQT181 543 -- Tank 2306

307 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores DETA (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT182 544 -- Tank 2308

308 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores DETA-HP (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT183 545 -- Tank 2309

309 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores TEPA (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT184 546 -- Tank 2310 - Ethyl Acrylate

310 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Emissions are vented to a 98% efficient enclosed flare, Emission Point 3414, Acrylate Flare. Determined as MACT. [LAC 33:III.5109.A]

311 Total HAP >= 95 % reduction by weight. Subpart EEEE
Emissions are routed to the Acrylates Enclosed Flare, Emission Point 3414, with a 98% control efficiency. [40 CFR 63.2346(a)(1)]
Which Months: All Year Statistical Basis: None specified

312 Meet the emission limits specified in item 1.a.i of Table 2 to this subpart, and comply with the applicable requirements specified in 40 CFR part 63.982(a) Subpart SS for meeting emission limits. Subpart EEEE. [40 CFR 63.2346(a)(1)]

313 Demonstrate continuous compliance with each emission limitation, operating limit and work practice standard in Tables 2-4 to this subpart that applies to you according to the methods specified in subpart SS of this part and in Tables 8 through 10 to this subpart, as applicable. Subpart EEEE. [40 CFR 63.2378(a)]

314 Follow the requirements in 40 CFR 63.6(e)(1) and (3) during periods of startup, shutdown malfunction, or nonoperation of the affected source, or any part thereof. In addition, the provisions of paragraphs 40 CFR 63.2378 (b)(1) through 63.2378 (b)(3) of this section apply. Subpart EEEE. [40 CFR 63.2378(b)]

EQT184 **546 -- Tank 2310 - Ethyl Acrylate**

315 Submit each report in subpart SS of this part, Table 11 and 12 to this subpart, and in paragraphs (c) through (e) of this section as applicable. Subpart EEEE. [40 CFR 63.2386(a)]

EQT185 **547 -- Tank 2314**

316 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Glycol ethers a TAP on the Supplemental List of LAC 33:III Chapter 51. MACT is not required. [LAC 33:III.5109.A]

317 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G.
Capacity > 39,890 gallons and vapor pressure < 0.75 psia. [40 CFR 63.123(a)]

EQT186 **549 -- Tank 2317**

318 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Amines HH (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT188 **552 -- Tank 2320 - Ethylhexyl Acrylate**

319 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Emissions from this tank are vented through the Acrylates Enclosed Flare, Emission Point 3414.
Tank stores Ethylhexyl Acrylate, not a TAP. MACT not required. [LAC 33:III.5109.A]

EQT189 **553 -- Tank 2330 - Butyl Acrylate**

320 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Ethyl Acrylate a Class II TAP emitted by the facility at a rate over the MER. Emissions are vented to the Ethyl Acrylates flare, Emisson Point 3414, with 98% control efficiency. Determined as MACT. [LAC 33:III.5109.A]

EQT190 **554 -- Tank 2331 - BAEHA**

321 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Emissions from tank are vented thorugh Acrylate Flare.
Tank does not store TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT191 **555 -- Tank 2336 - BARC**

322 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Class III TAPs or TAPs from Supplemental List. MACT not required. [LAC 33:III.5109.A]

EQT192 **598 -- Tank 1229**

323 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores a TAP from the Supplemental List of LAC 33:III Chapter 51. MACT not required. [LAC 33:III.5109.A]

EQT193 **599 -- Tank 1300 (Internal Floating Roof Tank)**

324 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

325 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

326 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

327 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

328 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Benzene, a Class I TAP emitted by the facility over the MER. Compliance with LAC 33:III.2103 determined as MACT . [LAC 33:III.5109.A]

EQT194 **600 -- Tank 1301 (External Floating Roof Tank)**

329 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

330 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

331 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

332 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

333 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

334 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

335 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

336 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

337 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

338 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

339 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

340 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

EQT194 **600 -- Tank 1301 (External Floating Roof Tank)**

341 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

342 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

343 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

344 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Class I and II pollutants emitted are: Acetaldehyde, Benzene, Biphenyl, 1,3-Butadiene, Ethylbenzene, Naphthalene, PAHs, Styrene, and Xylene.
Tank equipped with a submerged fill pipe and an external floating roof. Determined as MACT. [LAC 33:III.5109.A]

345 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

346 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

347 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

348 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

349 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

350 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

351 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

352 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

EQT194 600 -- Tank 1301 (External Floating Roof Tank)

353 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

354 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

355 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

356 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

357 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

358 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

359 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

360 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

361 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

362 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

363 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

364 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

365 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

366 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

367 Install and operate an external floating roof meeting the requirements of 40 CFR 60.112b(a)(2). Subpart FF. [40 CFR 61.351(a)(2)]

368 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

EQT194 600 -- Tank 1301 (External Floating Roof Tank)

369 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 of this subpart shall comply with the recordkeeping requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.356(k)]

370 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

371 An owner or operator electing to comply with the provisions of 40 CFR 61.351 shall notify the Administrator of the alternative standard selected in the report required under 40 CFR 61.07 or 40 CFR 61.10 of this part. Subpart FF. [40 CFR 61.357(e)]

372 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 shall comply with the reporting requirements in 40 CFR 60.115b in addition to all other applicable reporting requirments in 40 CFR 61.357(a) through (g). Subpart FF. [40 CFR 61.357(f)]

373 Comply with one of the requirements listed in paragraphs (a)(1) through (a)(3) of this section. Subpart WW
Tank has an external floating roof as per (a)(2). [40 CFR 63.1062]

374 Comply with the all the floating roof requirements in paragraphs (a) through (e) of this section. Subpart WW. [40 CFR 63.1063]

375 A record shall be kept of the of dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored for as long as liquid is stored in the vessel. [40 CFR 63.1065(a)]

376 Records of floating roof inspection results shall be kept as specified in paragraphs (b)(1) and (b)(2) of this section. Subpart WW. [40 CFR 63.1065(b)]

377 Comply with all the recordkeeping requirements from 40 CFR 63.1065. Subpart WW. [40 CFR 63.1065]

378 Comply with all applicable reporting requirements from 40 CFR 1066 (a) - (b). Subpart WW. [40 CFR 63.1066]

379 Comply with the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]

380 Comply with all applicable provisions of 40 CFR 63 Subpart WW. Table 7(b)(1)(i). Subpart YY. [40 CFR 63.1103(e)]

EQT195 601 -- Tank 1311 (External Floating Roof Tank)

381 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

382 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

383 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

384 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

385 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

386 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

387 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

388 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

EQT195 601 -- Tank 1311 (External Floating Roof Tank)

389 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

390 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

391 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

392 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

393 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

394 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

395 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

396 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Class I and II pollutants emitted are: Acetaldehyde, Benzene, Biphenyl, 1,3-Butadiene, Ethylbenzene, Naphthalene, PAHs, Styrene, and Xylene.
Tank equipped with a submerged fill pipe and an external floating roof. Determined as MACT. [LAC 33:III.5109.A]

397 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

398 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

399 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

EQT195 601 -- Tank 1311 (External Floating Roof Tank)

400 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

401 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

402 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

403 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

404 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

405 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

406 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

407 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

408 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

409 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

410 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

411 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

412 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

413 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

414 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

EQT195 601 -- Tank 1311 (External Floating Roof Tank)

415 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

416 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

417 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

418 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

419 Install and operate an external floating roof meeting the requirements of 40 CFR 60.112b(a)(2). Subpart FF. [40 CFR 61.351(a)(2)]

420 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

421 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 of this subpart shall comply with the recordkeeping requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.356(k)]

422 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

423 An owner or operator electing to comply with the provisions of 40 CFR 61.351 shall notify the Administrator of the alternative standard selected in the report required under 40 CFR 61.07 or 40 CFR 61.10 of this part. Subpart FF. [40 CFR 61.357(e)]

424 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 shall comply with the reporting requirements in 40 CFR 60.115b in addition to all other applicable reporting requirements in 40 CFR 61.357 (a) through (g). Subpart FF. [40 CFR 61.357(f)]

425 Comply with one of the requirements listed in paragraphs (a)(1) through (a)(3) of this section. Subpart WW
Tank has an external floating roof as per (a)(2). [40 CFR 63.1062]

426 Comply with the all the floating roof requirements in paragraphs (a) through (e) of this section. Subpart WW. [40 CFR 63.1063]

427 A record shall be kept of the of dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored for as long as liquid is stored in the vessel. [40 CFR 63.1065(a)]

428 Records of floating roof inspection results shall be kept as specified in paragraphs (b)(1) and (b)(2) of this section. Subpart WW. [40 CFR 63.1065(b)]

429 Comply with all the recordkeeping requirements from 40 CFR 63.1065. Subpart WW. [40 CFR 63.1065]

430 Comply with all applicable reporting requirements from 40 CFR 1066 (a) - (b). Subpart WW. [40 CFR 63.1066]

431 Comply with the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]

432 Comply with all applicable provisions of 40 CFR 63 Subpart WW. Table 7(b)(1)(i). Subpart YY. [40 CFR 63.1103(e)]

EQT196 602 -- Tank 2102 (Internal Floating Roof Tank)

433 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

EQT196 **602 -- Tank 2102 (Internal Floating Roof Tank)**

434 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

435 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

436 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

437 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Methanol, a Class III TAP. MACT is not required. [LAC 33:III.5109.A]

438 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]

439 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, or a closed-vent system and control device, or routing the emissions to a process or a fuel gas system in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e) or (f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]

440 Internal floating roof: Equip each internal floating roof with a closure device between the wall of the storage vessel and the roof edge. Closure device shall consist of one of the devices listed in 40 CFR 63.119(b)(3)(i) through (b)(3)(iii), except as specified in 40 CFR 63.119(b)(3)(iv). Subpart G. [40 CFR 63.119(b)(3)]

441 Internal floating roof: Ensure that automatic bleeder vents are closed at all times when the roof is floating, except when the roof is being floated off or is being landed on the roof leg supports. Subpart G. [40 CFR 63.119(b)(4)]

442 Internal floating roof: Ensure that each internal floating roof meets the specifications listed in 40 CFR 63.119(b)(5)(i) through (b)(5)(vii), except as provided in 40 CFR 63.119(b)(5)(viii). Subpart G. [40 CFR 63.119(b)(5)]

443 Internal floating roof: Ensure that each cover or lid on any opening in the internal floating roof is closed except when the cover or lid must be open for access. Ensure that covers on each access hatch and each gauge float well are bolted or fastened so as to be air-tight when they are closed. Rim space vents are to be set to open only when the internal floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart G. [40 CFR 63.119(b)(6)]

444 Internal floating roof: Ensure that the internal floating roof is floating on the surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(b)(1)(i) through (b)(1)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(b)]

445 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) according to the schedule specified in 40 CFR 63.120(a)(2) and (a)(3). Subpart G. [40 CFR 63.120(a)(1)]
Which Months: All Year Statistical Basis: None specified

446 Repair storage vessel or empty and remove from service within 45 calendar days, if during the inspections required by 40 CFR 63.120(a)(2)(i) or (a)(3)(ii), any of the conditions specified in 40 CFR 63.120(a)(4) are found. Subpart G. [40 CFR 63.120(a)(4)]

447 If any of the conditions listed in 40 CFR 63.120(a)(7) are found during the inspections required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), or (a)(3)(iii), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(a)(7)]

448 Submit Notification: Due in writing at least 30 calendar days prior to the refilling of each storage vessel to afford DEQ the opportunity to have an observer present, for all the inspections required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), and (a)(3)(ii). If the inspection required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), or (a)(3)(ii) is not planned and it could not have been known about 30 calendar days in advance of refilling, submit notification at least 7 calendar days prior to the refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(a)]

449 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

450 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]

451 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]

EQT196 602 -- Tank 2102 (Internal Floating Roof Tank)

452 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]

453 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (h), as applicable. Keep the records as long as the storage vessel retains Group I status and is in operation. Subpart G. [40 CFR 63.123]

EQT197 603 -- Tank 2205 (Internal Floating Roof Tank)

454 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

455 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

456 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

457 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

458 Acetone < 0.001 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum

459 Acetone < 0.001 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

460 Acetone < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

461 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank does not store TAPs. MACT not required. [LAC 33:III.5109.A]

EQT198 604 -- Tank 2304

462 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores crude amines (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT199 606 -- Tank 3100 (External Floating Roof Tank)

463 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

464 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

465 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

466 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

467 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

468 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

EQT199 **606 -- Tank 3100 (External Floating Roof Tank)**

469 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

470 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

471 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

472 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

473 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

474 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

475 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

476 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

477 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

478 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Class I and II pollutants emitted are: Acetaldehyde, Benzene, Biphenyl, 1,3-Butadiene, Ethylbenzene, Naphthalene, PAHs, Styrene, and Xylene.
Tank equipped with a submerged fill pipe and an external floating roof. Determined as MACT. [LAC 33:III.5109.A]

479 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

480 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

EQT199 606 -- Tank 3100 (External Floating Roof Tank)

481 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

482 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

483 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

484 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

485 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

486 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

487 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

488 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

489 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

490 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

491 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

492 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

493 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

494 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

495 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

EQT199 606 -- Tank 3100 (External Floating Roof Tank)

496 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

497 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

498 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

499 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

500 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

501 Install and operate an external floating roof meeting the requirements of 40 CFR 60.112b(a)(2). Subpart FF. [40 CFR 61.351(a)(2)]

502 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

503 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 of this subpart shall comply with the recordkeeping requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.356(k)]

504 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

505 An owner or operator electing to comply with the provisions of 40 CFR 61.351 shall notify the Administrator of the alternative standard selected in the report required under 40 CFR 61.07 or 40 CFR 61.10 of this part. Subpart FF. [40 CFR 61.357(e)]

506 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 shall comply with the reporting requirements in 40 CFR 60.115b in addition to all other applicable reporting requirements in 40 CFR 61.357 (a) through (g). Subpart FF. [40 CFR 61.357(f)]

507 Comply with one of the requirements listed in paragraphs (a)(1) through (a)(3) of this section. Subpart WW
Tank has an external floating roof as per (a)(2). [40 CFR 63.1062]

508 Comply with the all the floating roof requirements in paragraphs (a) through (e) of this section. Subpart WW. [40 CFR 63.1063]

509 A record shall be kept of the of dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored for as long as liquid is stored in the vessel. Subpart WW. [40 CFR 63.1065(a)]

510 Records of floating roof inspection results shall be kept as specified in paragraphs (b)(1) and (b)(2) of this section. Subpart WW. [40 CFR 63.1065(b)]

511 Comply with all the recordkeeping requirements from 40 CFR 63.1065. Subpart WW. [40 CFR 63.1065]

512 Comply with all applicable reporting requirements from 40 CFR 1066 (a) - (b). Subpart WW. [40 CFR 63.1066]

513 Comply with the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]

514 Comply with all applicable provisions of 40 CFR 63 Subpart WW. Table 7(b)(1)(i). Subpart YY. [40 CFR 63.1103(e)]

EQT200 607 -- Tank 3101 (External Floating Roof Tank)

515 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

516 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

517 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

518 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

519 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

520 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

521 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

522 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

523 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

524 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

525 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

526 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

527 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

528 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

529 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

530 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Class I and II pollutants emitted are: Acetaldehyde, Benzene, Biphenyl, 1,3-Butadiene, Ethylbenzene, Naphthalene, PAHs, Styrene, and Xylene.
Tank equipped with a submerged fill pipe and an external floating roof. Determined as MACT. [LAC 33:III.5019.A]

EQT200 607 -- Tank 3101 (External Floating Roof Tank)

531 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

532 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

533 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

534 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

535 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

536 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

537 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

538 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

539 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

540 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

541 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

542 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

543 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

EQT200 607 -- Tank 3101 (External Floating Roof Tank)

544 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

545 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

546 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

547 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

548 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

549 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

550 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

551 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

552 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

553 Install and operate an external floating roof meeting the requirements of 40 CFR 60.112b(a)(2). Subpart FF. [40 CFR 61.351(a)(2)]

554 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

555 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 of this subpart shall comply with the recordkeeping requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.356(k)]

556 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

557 An owner or operator electing to comply with the provisions of 40 CFR 61.351 shall notify the Administrator of the alternative standard selected in the report required under 40 CFR 61.07 or 40 CFR 61.10 of this part. Subpart FF. [40 CFR 61.357(e)]

558 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 shall comply with the reporting requirements in 40 CFR 60.115b in addition to all other applicable reporting requirements in 40 CFR 61.357 (a) through (g). Subpart FF. [40 CFR 61.357(f)]

EQT200 607 -- Tank 3101 (External Floating Roof Tank)

559 Comply with one of the requirements listed in paragraphs (a)(1) through (a)(3) of this section. Subpart WW
Tank has an external floating roof as per (a)(2). [40 CFR 63.1062]

560 Comply with the all the floating roof requirements in paragraphs (a) through (e) of this section. Subpart WW. [40 CFR 63.1063]

561 A record shall be kept of the of dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored for as long as liquid is stored in the vessel. [40 CFR 63.1065(a)]

562 Records of floating roof inspection results shall be kept as specified in paragraphs (b)(1) and (b)(2) of this section. Subpart WW. [40 CFR 63.1065(b)]

563 Comply with all the recordkeeping requirements from 40 CFR 63.1065. Subpart WW. [40 CFR 63.1065]

564 Comply with all applicable reporting requirements from 40 CFR 1066 (a) - (b). Subpart WW. [40 CFR 63.1066]

565 Comply with the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]

566 Comply with all applicable provisions of 40 CFR 63 Subpart WW. Table 7(b)(1)(i). Subpart YY. [40 CFR 63.1103(e)]

EQT201 608 -- Tank 4101 (External Floating Roof Tank)

567 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

568 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

569 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

570 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

571 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

572 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

573 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

574 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

575 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

576 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

577 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

EQT201 608 -- Tank 4101 (External Floating Roof Tank)

578 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

579 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

580 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

581 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

582 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Class I and II pollutants emitted are: Acetaldehyde, Benzene, Biphenyl, 1,3-Butadiene, Ethylbenzene, Naphthalene, PAHs, Styrene, and Xylene.
Tank equipped with a submerged fill pipe and an external floating roof. Determined as MACT. [LAC 33:III.5109.A]

583 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

584 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

585 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

586 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

587 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

588 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

EQT201 608 -- Tank 4101 (External Floating Roof Tank)

589 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

590 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

591 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

592 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

593 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

594 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

595 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

596 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

597 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

598 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

599 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

600 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

601 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

602 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

603 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

EQT201 608 -- Tank 4101 (External Floating Roof Tank)

604 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

605 Install and operate an external floating roof meeting the requirements of 40 CFR 60.112b(a)(2). Subpart FF. [40 CFR 61.351(a)(2)]

606 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

607 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 of this subpart shall comply with the recordkeeping requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.356(k)]

608 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

609 An owner or operator electing to comply with the provisions of 40 CFR 61.351 shall notify the Administrator of the alternative standard selected in the report required under 40 CFR 61.07 or 40 CFR 61.10 of this part. Subpart FF. [40 CFR 61.357(e)]

610 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 shall comply with the reporting requirements in 40 CFR 60.115b in addition to all other applicable reporting requirements in 40 CFR 61.357 (a) through (g). Subpart FF. [40 CFR 61.357(f)]

611 Comply with one of the requirements listed in paragraphs (a)(1) through (a)(3) of this section. Subpart WW
Tank has an external floating roof as per (a)(2). [40 CFR 63.1062]

612 Comply with the all the floating roof requirements in paragraphs (a) through (e) of this section. Subpart WW. [40 CFR 63.1063]

613 A record shall be kept of the of dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored for as long as liquid is stored in the vessel. [40 CFR 63.1065(a)]

614 Records of floating roof inspection results shall be kept as specified in paragraphs (b)(1) and (b)(2) of this section. Subpart WW. [40 CFR 63.1065(b)]

615 Comply with all the recordkeeping requirements from 40 CFR 63.1065. Subpart WW. [40 CFR 63.1065]

616 Comply with all applicable reporting requirements from 40 CFR 1066 (a) - (b). Subpart WW. [40 CFR 63.1066]

617 Comply with the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]

618 Comply with all applicable provisions of 40 CFR 63 Subpart WW. Table 7(b)(1)(i). Subpart YY. [40 CFR 63.1103(e)]

EQT206 625 -- # 2 Dock

619 Show compliance with or exemption from 40 CFR 63 Subpart Y, by doing the recordkeeping requirements of 40 63.567(j)(4) and the emission estimation requirements of 40 CFR 63. 565(l) that apply to existing sources with emissions less than 10 and 25 tons. Subpart Y. [40 CFR 63.560(a)(3)]

620 Comply with all applicable requirements from 40 CFR 63. Subpart Y. [40 CFR 63.560]

EQT207 625A -- # 1 Dock

621 Show compliance with or exemption from 40 CFR 63 Subpart Y, by doing the recordkeeping requirements of 40 63.567(j)(4) and the emission estimation requirements of 40 CFR 63. 565(l) that apply to existing sources with emissions less than 10 and 25 tons. Subpart Y. [40 CFR 63.560(a)(3)]

622 Comply with all applicable requirements from 40 CFR 63. Subpart Y. [40 CFR 63.560]

EQT208 627 -- # 4 Dock

EQT208 627 -- # 4 Dock

623 Show compliance with or exemption from 40 CFR 63 Subpart Y, by doing the recordkeeping requirements of 40 63.567(j)(4) and the emission estimation requirements of 40 CFR 63. 565(l) that apply to existing sources with emissions less than 10 and 25 tons. Subpart Y. [40 CFR 63.560(a)(3)]

624 Comply with all applicable requirements from 40 CFR 63. Subpart Y. [40 CFR 63.560]

EQT209 632 -- Tank 1340 (Internal Floating Roof Tank)

625 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank stores Butanol, a Class III TAP. MACT not required. [LAC 33:III.5109.A]

EQT210 633 -- Tank 5101 (External Floating Roof Tank)

626 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

627 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

628 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

629 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

630 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

631 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

632 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

633 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

634 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

635 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

636 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

637 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

638 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

639 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

EQT210 **633 -- Tank 5101 (External Floating Roof Tank)**

640 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

641 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Class I and II pollutants emitted are: Acetaldehyde, Benzene, Biphenyl, 1,3-Butadiene, Ethylbenzene, Naphthalene, PAHs, Styrene, and Xylene.
Tank equipped with a submerged fill pipe and an external floating roof. Determined as MACT. [LAC 33:III.5109.A]

642 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

643 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

644 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

645 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

646 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

647 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

648 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

649 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

650 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

651 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

EQT210 **633 -- Tank 5101 (External Floating Roof Tank)**

652 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

653 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

654 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

655 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

656 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

657 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

658 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

659 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

660 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

661 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

662 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

663 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

664 Install and operate an external floating roof meeting the requirements of 40 CFR 60.112b(a)(2). Subpart FF. [40 CFR 61.351(a)(2)]

665 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

666 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 of this subpart shall comply with the recordkeeping requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.356(k)]

EQT210 633 -- Tank 5101 (External Floating Roof Tank)

667 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

668 An owner or operator electing to comply with the provisions of 40 CFR 61.351 shall notify the Administrator of the alternative standard selected in the report required under 40 CFR 61.07 or 40 CFR 61.10 of this part. Subpart FF. [40 CFR 61.357(e)]

669 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 shall comply with the reporting requirements in 40 CFR 60.115b in addition to all other applicable reporting requirements in 40 CFR 61.357 (a) through (g). Subpart FF. [40 CFR 61.357(f)]

670 Comply with one of the requirements listed in paragraphs (a)(1) through (a)(3) of this section. Subpart WW
Tank has an external floating roof as per (a)(2). [40 CFR 63.1062]

671 Comply with the all the floating roof requirements in paragraphs (a) through (e) of this section. Subpart WW. [40 CFR 63.1063]

672 A record shall be kept of the of dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored for as long as liquid is stored in the vessel. [40 CFR 63.1065(a)]

673 Records of floating roof inspection results shall be kept as specified in paragraphs (b)(1) and (b)(2) of this section. Subpart WW. [40 CFR 63.1065(b)]

674 Comply with all the recordkeeping requirements from 40 CFR 63.1065. Subpart WW. [40 CFR 63.1065]

675 Comply with all applicable reporting requirements from 40 CFR 1066 (a) - (b). Subpart WW. [40 CFR 63.1066]

676 Comply with the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]

677 Comply with all applicable provisions of 40 CFR 63 Subpart WW. Table 7(b)(1)(ii). Subpart YY. [40 CFR 63.1103(e)]

EQT211 634 -- Tank 6200 (External Floating Roof Tank)

678 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

679 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

680 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

681 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

682 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

683 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

684 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

685 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

686 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

EQT211 634 -- Tank 6200 (External Floating Roof Tank)

687 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

688 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

689 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

690 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

691 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

692 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

693 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Class I and II pollutants emitted are: Acetaldehyde, Benzene, Biphenyl, 1,3-Butadiene, Ethylbenzene, Naphthalene, PAHs, Styrene, and Xylene.
Tank equipped with a submerged fill pipe and an external floating roof. Determined as MACT. [LAC 33:III.5109.A]

694 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

695 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

696 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

697 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

EQT211 634 -- Tank 6200 (External Floating Roof Tank)

698 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

699 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

700 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

701 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

702 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

703 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

704 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

705 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

706 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

707 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

708 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

709 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

710 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

711 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

712 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

713 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

EQT211 634 -- Tank 6200 (External Floating Roof Tank)

714 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

715 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

716 Install and operate an external floating roof meeting the requirements of 40 CFR 60.112b(a)(2). Subpart FF. [40 CFR 61.351(a)(2)]

717 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

718 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 of this subpart shall comply with the recordkeeping requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.356(k)]

719 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

720 An owner or operator electing to comply with the provisions of 40 CFR 61.351 shall notify the Administrator of the alternative standard selected in the report required under 40 CFR 61.07 or 40 CFR 61.10 of this part. Subpart FF. [40 CFR 61.357(e)]

721 An owner or operator who elects to install and operate the control equipment in 40 CFR 61.351 shall comply with the reporting requirements in 40 CFR 60.115b in addition to all other applicable reporting requirements in 40 CFR 61.357 (a) through (g). Subpart FF. [40 CFR 61.357(f)]

722 Comply with one of the requirements listed in paragraphs (a)(1) through (a)(3) of this section. Subpart WW
Tank has an external floating roof as per (a)(2). [40 CFR 63.1062]

723 Comply with the all the floating roof requirements in paragraphs (a) through (e) of this section. Subpart WW. [40 CFR 63.1063]

724 A record shall be kept of the of dimensions of the storage vessel, an analysis of the capacity of the storage vessel, and an identification of the liquid stored for as long as liquid is stored in the vessel. [40 CFR 63.1065(a)]

725 Records of floating roof inspection results shall be kept as specified in paragraphs (b)(1) and (b)(2) of this section. Subpart WW. [40 CFR 63.1065(b)]

726 Comply with all the recordkeeping requirements from 40 CFR 63.1065. Subpart WW. [40 CFR 63.1065]

727 Comply with all applicable reporting requirements from 40 CFR 1066 (a) - (b). Subpart WW. [40 CFR 63.1066]

728 Comply with the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]

729 Comply with all applicable provisions of 40 CFR 63 Subpart WW. Table 7(b)(1)(i). Subpart YY. [40 CFR 63.1103(e)]

EQT212 637 -- Tank 2337-Butyl Acrylate

730 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Ethyl Acrilate a Class II TAP emitted by the facility at a rate over the MER. Emissions are vented to the Ethyl Acrylates Flare, Emission Point 3414, with 98% control efficiency. Determined as MACT. [LAC 33:III.5109.A]

EQT213 638 -- Tank 2350 - Butyl Acrylate

731 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Ethyl Acrilate a Class II TAP emitted by the facility at a rate over the MER. Emissions are vented to the Ethyl Acrylate Flare , Emission Point 3414 with 98% control efficiency. Determined as MACT. [LAC 33:III.5109.A]

EQT214 639 -- Tank 2231

732 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank stores 2-ethylhexanol, not a TAP. MACT not required. [LAC 33:III.5109.A]

EQT215 640 -- Tank 2307

733 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank stores TETA (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT216 641 -- Tank 2300

734 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank stores EDA (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT217 642 -- Tank 2324

735 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank stores polyamine heavies (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT218 646 -- Tank 2325

736 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank stores DEDA (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT219 663 -- Tank 2543

737 Acetone <= 0.02 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum

738 Acetone < 0.001 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

739 Acetone < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

740 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank emits Acrolein a Class II TAP emitted by the facility at a rate over the MER. No additional controls required. Determined as MACT. [LAC 33:III.5109.A]

EQT220 666 -- Tank 2514

741 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT221 668 -- # 1 Dock Enclosed Flare

742 Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours. [LAC 33:III.1105]

EQT221 668 -- # 1 Dock Enclosed Flare

743 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
This is an enclosed flare. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified

744 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

745 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

746 VOC, Total >= 95 % reduction by weight.
Regulation requires 90% efficiency for compliance, but the facility is claiming 95% efficiency for this enclosed flare. [LAC 33:III.2108.C.2]
Which Months: All Year Statistical Basis: None specified

747 Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate.
Since this enclosed flare is not a "typical" flare, a more stringent and suitable testing method will be used to show compliance.
Facility will use methods 25A or 25B (40 CFR 60 Appendix A) covered under LAC 33:III.2108.E.1.b. [LAC 33:III.2108.E.1.b]

748 Submit test results: Due to the Office of Environmental Assessment, Environmental Technology Division within 45 days of any testing done in accordance with LAC 33:III.2108.E. [LAC 33:III.2108.F.1]

749 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e. [LAC 33:III.2108.F.2]

750 The No. 1 Dock Enclosed Flare, Emission Point 668, shall be lighted prior to dripolene loading from the No. 1 Dock, Emission Point 625A. During idle times, the flare may be shut down. [LAC 33:III.501.C.6]

751 Temperature monitored by continuous parameter monitoring system (CPMS) during loading of Dripolene, to insure the temperature stays above 1400 F.
The temperature shall be monitored in the stack of the flare during times of operation to ensure proper operation. When the Temperature of the Dock Enclosed Flare (EPN 668) drops below 1400 °F then more fuel gas shall be automatically added to increase the temperature. At this temperature, according the manufacturer's design, the flare should meet the required destruction efficiency.
. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Constant

752 Temperature > 1400 F, to ensure destruction of emissions to the flare stack.
Since this enclosed flare is not a "typical" flare, a more stringent and suitable monitoring method will be used to show compliance.
The temperature shall be monitored in the stack of the flare during times of operation to ensure proper operation. When the Temperature of the Dock Enclosed Flare (EPN 668) drops below 1400 °F then more fuel gas shall be automatically added to increase the temperature. At this temperature, according the manufacturer's design, the flare should meet the required destruction efficiency. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

753 In order to show continuous compliance, the No. 1 Dock Enclosed Flare's temperature will be monitored as the operating parameter.
A continuous parameter monitoring system (CPMS) capable of measuring temperature shall be installed in the firebox or in the ductwork immediately downstream from the firebox in a position before any substantial heat exchange occurs.
The CPMS shall be calibrated, certified, operated, and maintained according to the manufacturer's specifications.
Additionally, this enclosed flare shall be tested using the EPA methods 2B, 25A or 25B, which are the applicable mass emission measuring methods. [LAC 33:III.501.C.6]

EQT221 668 -- # 1 Dock Enclosed Flare

754 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. This is a flare, considered MACT for dock loading sources. [LAC 33:III.5109.A]

EQT222 3402 -- Tank 2204

755 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank stores compounds containing Class I and II TAPs (Acetaldehyde, Formaldehyde and Glycol Ethers(II-S)), emitted by the facility at rate over the MER, but only as impurities. Compliance with NESHAP SOCMI HON 40 CFR 63.123(a) determined as MACT. . [LAC 33:III.5109.A]

EQT223 3403 -- Vapor Recovery System at Tank 1118

756 Control VOC emissions using activated carbon adsorption units (at 75% efficiency) that have been approved by the Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

757 Utilize a monitoring system approved by the Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

758 Cease using equipment when breakthrough occurs and do not resume use until the carbon adsorption unit has been regenerated or replaced. [LAC 33:III.501.C.6]

759 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of breakthrough. Keep records of the number of breakthroughs on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

760 Submit report: Due annually, by the 31st of March. Submit the number of breakthroughs for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

761 VOC, Total monitored by the regulation's specified method(s) daily. Monitor VOC breakthrough using a portable VOC detector until the reliable life expectancy of the canister is established. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

762 Replace canisters as necessary to maintain a control efficiency of 95% minimum. [LAC 33:III.501.C.6]

763 Equipment/operational data recordkeeping by electronic or hard copy daily. Keep records of the tests to determine carbon canister life, as well as the dates of canister replacement, on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

764 Closed-vent systems: Ensure that each closed-vent system is designed and operated to collect the regulated material vapors from the emission point, and to route the collected vapors to a control device. Subpart SS. [40 CFR 63.983(a)(1)]

765 Closed-vent systems: Operate at all times when emissions are vented to, or collected by, them. Subpart SS. [40 CFR 63.983(a)(2)]

766 Closed-vent systems (containing bypass lines): Flow monitored by flow indicator at the regulation's specified frequency. Ensure that the flow indicator is capable of taking periodic readings. Install at the entrance to any bypass line. Subpart SS. [40 CFR 63.983(a)(3)(i)]
Which Months: All Year Statistical Basis: None specified

767 Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]

768 Closed-vent systems (hard-piping): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially. If an instrument reading of 500 ppmv above background is measured, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.983(d)(2). Subpart SS. [40 CFR 63.983(b)(1)(i)(A)]
Which Months: All Year Statistical Basis: None specified

769 Closed-vent systems (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. Subpart SS. [40 CFR 63.983(b)(1)(i)(B)]
Which Months: All Year Statistical Basis: None specified

EQT223 3403 -- Vapor Recovery System at Tank 1118

770 Closed-vent systems (ductwork): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually. If an instrument reading of 500 ppmv above background is measured, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.983(d)(2). Subpart SS. [40 CFR 63.983(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

771 Closed-vent systems (unsafe-to-monitor): Determine that the equipment is unsafe-to-inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with 40 CFR 63.983(b)(1). Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(2)(i)]

772 Closed-vent systems (unsafe-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practical during safe-to-inspect times, at least once annually. Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(2)(ii)]
Which Months: All Year Statistical Basis: None specified

773 Closed-vent systems (difficult-to-monitor): Determine that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters (7 feet) above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(3)(i)]

774 Closed-vent systems (difficult-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment at least once every 5 years. Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(3)(ii)]
Which Months: All Year Statistical Basis: None specified

775 Closed-vent systems (containing bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Subpart SS. [40 CFR 63.983(b)(4)(i)]

776 Closed-vent systems (containing bypass lines): Equipment/operational data monitored by visual inspection/determination monthly. Visually inspect the seal or closure mechanism at least once every month to verify that the valve is maintained in the non-diverting position, and the vent stream is not diverted through the bypass line. Subpart SS. [40 CFR 63.983(b)(4)(ii)]
Which Months: All Year Statistical Basis: None specified

777 Closed-vent systems (hard piping): Eliminate leak, or monitor according to the procedures in 40 CFR 63.983(c), if there are visible, audible, or olfactory indications of leaks at the time of the annual visual inspections required by 40 CFR 63.983(b)(1)(i)(B). Subpart SS. [40 CFR 63.983(d)(1)]

778 Closed-vent systems: Repair leaks as soon as practical, except as provided in 40 CFR 63.983(d)(3). Make a first attempt at repair no later than 5 days after the leak is detected, and complete repairs no later than 15 days after the leak is detected or at the beginning of the next introduction of vapors to the system, whichever is later. Subpart SS. [40 CFR 63.983(d)(2)]

779 Closed-vent systems (delay of repair allowed): Repair equipment as soon as practical, but not later than the end of the next closed-vent system shutdown. Subpart SS. [40 CFR 63.983(d)(3)]

780 Operate and maintain so that the monitored parameters defined as required in 40 CFR 63.985(c) remain within the ranges specified in the Notification of Compliance Status whenever emissions of regulated material are routed to the control device except during periods of start-up, shutdown, and malfunction as specified in the referencing subpart. Subpart SS. [40 CFR 63.985(a)]

781 Prepare and submit with the Notification of Compliance Status, as specified in 40 CFR 63.999(b)(2), either a design evaluation that includes the information specified in 40 CFR 63.985(b)(1)(i), or the results of the performance test as described in 40 CFR 63.985(b)(1)(ii). Subpart SS. [40 CFR 63.985(b)(1)]

782 Monitor the parameters specified in the Notification of Compliance Status or in the operating permit application or amendment. Subpart SS. [40 CFR 63.985(c)(2)]

783 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.998(a) through (d), as applicable. Subpart SS. [40 CFR 63.998]

EQT223 3403 -- Vapor Recovery System at Tank 1118

784 Notify DEQ of the intention to conduct a performance test or flare compliance assessment: Due at least 30 days before such a compliance demonstration is scheduled to allow DEQ the opportunity to have an observer present. Notify DEQ as soon as possible of any delay in the original demonstration date, if after 30 days notice for such an initially scheduled compliance demonstration, there is a delay (due to operational problems, etc.) in conducting the scheduled compliance demonstration. Provide at least 7 days prior notice of the rescheduled date of the compliance demonstration, or arrange a rescheduled date with DEQ by mutual agreement. Subpart SS. [40 CFR 63.999(a)(1)(i)]

785 Submit performance test and flare compliance assessment reports, if not submitted as part of a Notification of Compliance Status report, to DEQ within 60 days of completing the test or determination, unless specified differently. Include the information specified in 40 CFR 63.999(a)(2)(i) through (a)(2)(iii). Subpart SS. [40 CFR 63.999(a)(1)(ii)]

786 Submit application for a waiver of an initial performance test or flare compliance assessment, as allowed by 40 CFR 63.997(b)(2), no later than 90 days before the performance test or compliance assessment is required. Include information justifying the request for a waiver, such as the technical or economic infeasibility, or the impracticality, of the source performing the test. Subpart SS. [40 CFR 63.999(a)(1)(iii)]

787 Submit application to substitute a prior performance test or compliance assessment for an initial performance test or compliance assessment, as allowed by 40 CFR63.997(b)(1), no later than 90 days before the performance test or compliance test is required. Include information demonstrating that the prior performance test or compliance assessment was conducted using the same methods specified in 40 CFR 63.997(e) or 40 CFR 63.987(b)(3), as applicable. Also include information demonstrating that no process changes have been made since the test, or that the results of the performance test or compliance assessment reliably demonstrate compliance despite process changes. Subpart SS. [40 CFR 63.999(a)(1)(iv)]

788 Submit Notification of Compliance Status: Due as specified in the referencing subpart. Include the information specified in 40 CFR 63.999(b)(1) through (b)(5), as applicable. Subpart SS. [40 CFR 63.999(b)]

789 Submit Periodic Report: Due as specified in the referencing subpart. Include the information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]

790 Submit request for approval to use alternatives to continuous operating parameter monitoring and recordkeeping provisions, as provided for in 40 CFR 63.996(d)(1), as specified in a referencing subpart. Include the information specified in 40 CFR 63.999(d)(1)(i) and (d)(1)(ii). Subpart SS. [40 CFR 63.999(d)(1)]

791 Submit request for approval to monitor a different parameter than those established in 40 CFR 63.996(c)(6) or to set unique monitoring parameters, as provided for in 40 CFR 63.996(d)(2), as specified as specified in a referencing subpart. Include the information specified in 40 CFR 63.999(d)(2)(i) through (d)(2)(iii). Subpart SS. [40 CFR 63.999(d)(2)]

EQT224 3406 -- MECS Carbon Canisters

792 The permittee shall monitor the MECS Scrubber carbon canister system, Emission Point No. 3406, weekly for VOC breakthrough using a portable VOC detector. Canisters shall be replaced as organic vapor greater than or equal to 5 ppm (60% control efficiency) is detected. Tests shall be conducted until the reliable life expectancy of the canister is established. Records of the tests to determine carbon canister life, as well as the dates of canister replacement, shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

EQT225 3407 -- Overland Amines Scrubber

793 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

794 Water recordkeeping by electronic or hard copy at the regulation's specified frequency.
Permittee shall record every time the used water is replaced with fresh water per 12 hour shift. [LAC 33:III.501.C.6]

795 Water monitored by the regulation's specified method(s) during loading.
Permittee shall maintain the claimed efficiency (60% or better) by changing the water at least once per month. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT225 3407 -- Overland Amines Scrubber

796 Flow rate >= 4 and <= 8 gallons/min. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

797 Flow rate monitored by flow rate monitoring device at the approved frequency.
Permittee shall maintain the claimed 60% efficiency by monitoring and recording the flow rate at least once per 12 hour shift. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

798 Flow rate recordkeeping by electronic or hard copy at the approved frequency. Flow rates shall be monitored and recorded at least once per 12 hour shift. [LAC 33:III.501.C.6]

EQT226 3408 -- Overland Piperazine Scrubber

799 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

800 Flow rate >= 2 and <= 6 gallons/min.
Permittee shall maintain the claimed efficiency (60% or better) through constant water flow to sewer while loading amines. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

801 Flow rate monitored by insitu method during loading.
To comply with the claimed efficiency (60% or better), the permittee shall maintain a constant water flow to process sewer during loading. Per design, the scrubber maintains the required flow of treated water, and as per procedure the flow is controlled. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

802 Flow rate recordkeeping by electronic or hard copy at the approved frequency.
Per design, the scrubber maintains the required flow of treated water, and as per procedure the flow is controlled. Keep records each time the water flow is turned on and off during loading event. [LAC 33:III.501.C.6]

803 Water recordkeeping by electronic or hard copy at the regulation's specified frequency.
Permittee shall record every time the treated water flow is turned on and off per 12 hour shift. [LAC 33:III.501.C.6]

804 Water monitored by insitu method during loading.
Permittee shall maintain the claimed efficiency (60% or better) by maintaining constant treated water flow to process sewer. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT227 3409 -- # 2 Dock Scrubber for Amines

805 Flow rate >= 75 and <= 110 gallons/min.
Loading activities will automatically shutdown if pump rate is less than 75 gallons per minute. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

806 Flow rate monitored by flow rate monitoring device during loading of containers. Permittee shall maintain claimed efficiecy (60% or better) by maintaining flow rate between 75 and 110 gals/min, by automatically shutting down loading activity when flow rate falls below 75 gals/min, and emptying water after each loading event. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

807 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours the pump rate fell below 75 gallons/minute and the hours the loading operation shutdown automatically. Submit report to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

808 Flow rate recordkeeping by electronic or hard copy at the approved frequency.
Permittee shall record each time the water is emptied after each loading event. [LAC 33:III.501.C.6]

EQT227 3409 -- # 2 Dock Scrubber for Amines

809 Water recordkeeping by electronic or hard copy at the regulation's specified frequency.
Permittee shall record every time the used water is replaced with fresh water per 12 hour shift. [LAC 33:III.501.C.6]

810 Water monitored by the regulation's specified method(s) during loading.
Permittee shall maintain the claimed efficiency (60% or better) by emptying the scrubbing media (treated water) after each loading event. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT228 3410 -- EDA Scrubber at Tank 2300, EIQ 641

811 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

812 To maintain the claimed efficiency (60% or better), the permittee shall maintain Flow rate >= 80 and <= 115 gallons/min and the scrubbing agent shall be pumped out and recharged at least once weekly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

813 Flow rate monitored by flow rate monitoring device once every shift during operation. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

814 Flow rate recordkeeping by electronic or hard copy once every shift during operation. [LAC 33:III.501.C.6]

815 Water recordkeeping by electronic or hard copy at the regulation's specified frequency.
Permittee shall record every time the scrubbing agent is recharged (treated water replaced). [LAC 33:III.501.C.6]

816 Water monitored by the regulation's specified method(s) during loading.
Permittee shall monitor that the scrubbing agent is pumped out and recharged at least once weekly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT229 3411 -- Diesel Engine No. 1

817 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

818 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

819 Equipment/operational data recordkeeping by electronic or hard copy continuously.
Unit emits less than 250 TPY SO2. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. . [LAC 33:III.1513]

EQT230 3413 -- Packed Scrubber Column

820 Flow rate recordkeeping by electronic or hard copy once every four hours. [LAC 33:III.501.C.6]

821 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

EQT230 3413 -- Packed Scrubber Column

822 Flow rate monitored by flow rate monitoring device during loading.
To comply with the claimed efficiency (60% or better), the permittee shall maintain a constant water flow to process sewer during loading. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

823 Water recordkeeping by electronic or hard copy at the approved frequency.
Permittee shall record every time the used water flow is turned on and off per 12 hour shift. [LAC 33:III.501.C.6]

824 Water monitored by the regulation's specified method(s) during loading.
Permittee shall maintain the claimed efficiency (60% or better) by maintaining constant treated water flow to process sewer during loading. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

825 Flow rate >= 25 gallons/min.
Permittee shall maintain the claimed efficiency (60% or better) through constant water flow to sewer. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT231 3414 -- Acrylates Enclosed Flare

826 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified

827 Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours. [LAC 33:III.1105]

828 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

829 Maintain Enclosed Flare Temperature >= 1400 F, so as to comply with required destruction efficiency. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Constant

830 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
This source is a flare. The flare is MACT for Tanks, Emission Points 538 & 546 and Acrylate Loading. [LAC 33:III.5109.A]

831 Comply with all applicable provisions of 40 CFR 63 Subpart EEEE.
The Acrylate Enclosed Flare is the control device for OLD tanks, Emission Points 538 and 546. It is also a control device for acrylate loading. Subpart EEEE . [40 CFR 63.2346(a)(1)]

832 Comply with all applicable recordkeeping as specified in NESHAP Subpart SS. Subpart EEEE. [40 CFR 63.2346(a)(1)]

833 Comply with all applicable reporting in 40 CFR 63.2386 (a) through (e). Subpart EEEE. [40 CFR 63.2386]

834 Closed-vent systems: Ensure that each closed-vent system is designed and operated to collect the regulated material vapors from the emission point, and to route the collected vapors to a control device. Subpart SS. [40 CFR 63.983(a)(1)]

835 Closed-vent systems: Operate at all times when emissions are vented to, or collected by, them. Subpart SS. [40 CFR 63.983(a)(2)]

836 Closed-vent systems (containing bypass lines): Flow monitored by flow indicator at the regulation's specified frequency. Ensure that the flow indicator is capable of taking periodic readings. Install at the entrance to any bypass line. Subpart SS. [40 CFR 63.983(a)(3)(i)]
Which Months: All Year Statistical Basis: None specified

837 Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]

EQT231 3414 -- Acrylates Enclosed Flare

838 Closed-vent systems: Ensure that each closed-vent system is designed and operated so that the regulated material vapors collected at one loading arm will not pass through another loading arm in the rack to the atmosphere. Subpart SS. [40 CFR 63.983(a)(4)]

839 Closed-vent systems: Ensure that no pressure relief device opens to the atmosphere during loading. Subpart SS. [40 CFR 63.983(a)(5)]

840 Closed-vent systems (hard-piping): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially. If an instrument reading of 500 ppmv above background is measured, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.983(d)(2). Subpart SS. [40 CFR 63.983(b)(1)(i)(A)]
Which Months: All Year Statistical Basis: None specified

841 Closed-vent systems (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. Subpart SS. [40 CFR 63.983(b)(1)(i)(B)]
Which Months: All Year Statistical Basis: None specified

842 Closed-vent systems (ductwork): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually. If an instrument reading of 500 ppmv above background is measured, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.983(d)(2). Subpart SS. [40 CFR 63.983(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

843 Closed-vent systems (unsafe-to-monitor): Determine that the equipment is unsafe-to-inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with 40 CFR 63.983(b)(1). Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(2)(i)]

844 Closed-vent systems (unsafe-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practical during safe-to-inspect times, at least once annually. Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(2)(ii)]
Which Months: All Year Statistical Basis: None specified

845 Closed-vent systems (difficult-to-monitor): Determine that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters (7 feet) above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(3)(i)]

846 Closed-vent systems (difficult-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment at least once every 5 years. Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(3)(ii)]
Which Months: All Year Statistical Basis: None specified

847 Closed-vent systems (containing bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Subpart SS. [40 CFR 63.983(b)(4)(i)]

848 Closed-vent systems (containing bypass lines): Equipment/operational data monitored by visual inspection/determination monthly. Visually inspect the seal or closure mechanism at least once every month to verify that the valve is maintained in the non-diverting position, and the vent stream is not diverted through the bypass line. Subpart SS. [40 CFR 63.983(b)(4)(ii)]
Which Months: All Year Statistical Basis: None specified

849 Closed-vent systems (hard piping): Eliminate leak, or monitor according to the procedures in 40 CFR 63.983(c), if there are visible, audible, or olfactory indications of leaks at the time of the annual visual inspections required by 40 CFR 63.983(b)(1)(i)(B). Subpart SS. [40 CFR 63.983(d)(1)]

850 Closed-vent systems: Repair leaks as soon as practical, except as provided in 40 CFR 63.983(d)(3). Make a first attempt at repair no later than 5 days after the leak is detected, and complete repairs no later than 15 days after the leak is detected or at the beginning of the next introduction of vapors to the system, whichever is later. Subpart SS. [40 CFR 63.983(d)(2)]

851 Closed-vent systems (delay of repair allowed): Repair equipment as soon as practical, but not later than the end of the next closed-vent system shutdown. Subpart SS. [40 CFR 63.983(d)(3)]

852 Operate and maintain so that the monitored parameters defined as required in 40 CFR 63.985(c) remain within the ranges specified in the Notification of Compliance Status whenever emissions of regulated material are routed to the control device except during periods of start-up, shutdown, and malfunction as specified in the referencing subpart. Subpart SS. [40 CFR 63.985(a)]

EQT231 3414 -- Acrylates Enclosed Flare

853 Prepare and submit with the Notification of Compliance Status, as specified in 40 CFR 63.999(b)(2), either a design evaluation that includes the information specified in 40 CFR 63.985(b)(1)(i), or the results of the performance test as described in 40 CFR 63.985(b)(1)(ii). Subpart SS. [40 CFR 63.985(b)(1)]

854 Monitor the parameters specified in the Notification of Compliance Status or in the operating permit application or amendment. Subpart SS. [40 CFR 63.985(c)(2)]

855 Temperature monitored by continuous parameter monitoring system (CPMS) continuously. Install the temperature monitoring device in the fire box or in the ductwork immediately downstream of the fire box in a position before any substantial heat exchange occurs. Subpart SS
Facility will maintain a constant flame temperature to 1 400 degrees F or higher when in operation so as to achieve destruction efficiency claimed by manufacturer. [40 CFR 63.988(c)(1)]
Which Months: All Year Statistical Basis: None specified

856 If conducting an initial performance test as per 40 CFR 63.985(b)(1)(ii) instead of the design evaluation as per 40 CFR 63.985(b)(1)(i), then conduct an initial performance test according to the procedures in 40 CFR 63.997. Subpart SS. [40 CFR 63.995(b)]

857 Submit a description of planned monitoring, recordkeeping and reporting procedures as specified in a referencing subpart. Subpart SS. [40 CFR 63.995(c)]

858 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.998(a) through (d), as applicable. Subpart SS. [40 CFR 63.998]

859 Notify DEQ of the intention to conduct a performance test or flare compliance assessment: Due at least 30 days before such a compliance demonstration is scheduled to allow DEQ the opportunity to have an observer present. Notify DEQ as soon as possible of any delay in the original demonstration date, if after 30 days notice for such an initially scheduled compliance demonstration, there is a delay (due to operational problems, etc.) in conducting the scheduled compliance demonstration. Provide at least 7 days prior notice of the rescheduled date of the compliance demonstration, or arrange a rescheduled date with DEQ by mutual agreement. Subpart SS. [40 CFR 63.999(a)(1)(i)]

860 Submit performance test and flare compliance assessment reports, if not submitted as part of a Notification of Compliance Status report, to DEQ within 60 days of completing the test or determination, unless specified differently. Include the information specified in 40 CFR 63.999(a)(2)(i) through (a)(2)(iii). Subpart SS. [40 CFR 63.999(a)(1)(ii)]

861 Submit application for a waiver of an initial performance test or flare compliance assessment, as allowed by 40 CFR 63.997(b)(2), no later than 90 days before the performance test or compliance assessment is required. Include information justifying the request for a waiver, such as the technical or economic infeasibility, or the impracticality, of the source performing the test. Subpart SS. [40 CFR 63.999(a)(1)(iii)]

862 Submit application to substitute a prior performance test or compliance assessment for an initial performance test or compliance assessment, as allowed by 40 CFR63.997(b)(1), no later than 90 days before the performance test or compliance test is required. Include information demonstrating that the prior performance test or compliance assessment was conducted using the same methods specified in 40 CFR 63.997(e) or 40 CFR 63.987(b)(3), as applicable. Also include information demonstrating that no process changes have been made since the test, or that the results of the performance test or compliance assessment reliably demonstrate compliance despite process changes. Subpart SS. [40 CFR 63.999(a)(1)(iv)]

863 Submit Notification of Compliance Status: Due as specified in the referencing subpart. Include the information specified in 40 CFR 63.999(b)(1) through (b)(5), as applicable. Subpart SS. [40 CFR 63.999(b)]

864 Submit Periodic Report: Due as specified in the referencing subpart. Include the information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]

865 Submit request for approval to use alternatives to continuous operating parameter monitoring and recordkeeping provisions, as provided for in 40 CFR 63.996(d)(1), as specified in a referencing subpart. Include the information specified in 40 CFR 63.999(d)(1)(i) and (d)(1)(ii). Subpart SS. [40 CFR 63.999(d)(1)]

866 Submit request for approval to monitor a different parameter than those established in 40 CFR 63.996(c)(6) or to set unique monitoring parameters, as provided for in 40 CFR 63.996(d)(2), as specified as specified in a referencing subpart. Include the information specified in 40 CFR 63.999(d)(2)(i) through (d)(2)(iii). Subpart SS. [40 CFR 63.999(d)(2)]

EQT232 3415 -- Tank 1230

EQT232 **3415 -- Tank 1230**

867 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores only Supplemental List TAP. MACT not required. [LAC 33:III.5109.A]

868 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT234 **3417 -- Water Pump # 1**

869 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

870 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

871 Equipment/operational data recordkeeping by electronic or hard copy continuously.
Unit emits less than 250 TPY SO2. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT235 **3418 -- Water Pump # 2**

872 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

873 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

874 Equipment/operational data recordkeeping by electronic or hard copy continuously.
Unit emits less than 250 TPY of SO2. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT236 **3419 -- Tank 2200A**

875 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores Acetaldehyde a Class II TAP emitted by the facility at a rate over the MER. Emissions are routed to Acrylate Enclosed Flare with a 98% control efficiency. Determined as MACT. [LAC 33:III.5109.A]

EQT344 **635 -- Tank 6220 - Crude Butadiene Tank**

876 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank is a pressure tank capable of maintaining working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere. Tanks vent back to the process, detemined as MACT. [LAC 33:III.5109.A]

EQT345 **635A -- *Tank 6210 - Crude Butadiene Tank***

877 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank is a pressure tank capable of maintaining working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.
Tanks vent back to the process, detemined as MACT. [LAC 33:III.5109.A]

EQT405 **3420 -- Tank 2326**

878 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores polyamine heavies (not a TAP). MACT not required. [LAC 33:III.5109.A]

EQT406 **3412 -- Diesel Engine No. 2**

879 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

880 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

881 Equipment/operational data recordkeeping by electronic or hard copy continuously.
Unit emits less than 250 TPY of SO2. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT407 **3421 -- Diesel Engine No. 3**

882 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

883 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

884 Equipment/operational data recordkeeping by electronic or hard copy continuously.
Unit emits less than 250 TPY SO2. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT410 **529 -- Tank 2200**

885 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank emits Acetaldehyde a Class II TAP emitted by the facility at a rate over the MER. No additional controls required. Determined as MACT.
. [LAC 33:III.5109.A]

EQT411 **551 -- Tank 2319**

EQT411 **551 -- Tank 2319**

886 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Tank stores AEEA (not a TAP). MACT not required. [LAC 33:III.5109.A]

FUG004 **196P -- Equipment Fugitive Emissions**

887 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

888

STREAMLINED FUGITIVES PROGRAM

TABLE 1

Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in Table 1. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one of the applicable fugitive emissions programs.

a. Streamlined program shall be applicable to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size or component available in any of the programs being streamlined.

b. Leak definitions and monitoring frequency shall be used based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters. Some allowance may be made in the first year on the streamlined program in order to allow for transition from existing monitoring schedules.

c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on September 30 and March 31, to cover the periods from January 1 through June 30 and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.
. [LAC 33:III.501.C.6]

FUG004 196P -- Equipment Fugitive Emissions

889

STREAMLINED FUGITIVES PROGRAM

TABLE 2

Unit or Plant Site	Programs Streamlined	Stream Applicability	Overall Most Stringent Program
Site Logistics/ Olefins Distribution	40 CFR 63 Subpart H	5% VOHAP	40 CFR 60 Subpart H
	Non HON MACT	5% VOHAP	
	40 CFR 61 Subpart V	10% VOHAP	
	40 CFR 60 Subpart VV	10% VOC	
	LAC 33:III.2121	10% VOC	

. [LAC 33:III.501.C.6]

890 Comply with 40 CFR 60 Subpart VV; 40 CFR 61 Subpart J; 40 CFR 63 Subparts YY, EEEE and FFFF; LAC 33:III.2121 and 2111, by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with 40 CFR 63 Subpart H. [LAC 33:III.501]

891 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Facility emits Class I, II, and III TAPS.
Comply with 40 CFR 63 Subpart H in accordance with streamlined fugitives monitoring program defined in Tables 1 and 2 of the Specific Requirements as well as compliance wtih 40 CFR 63 Subpart YY, EEEE or FFFF considered as MACT. [LAC 33:III.5109.A]

892 Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]

893 Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]

894 Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
Which Months: All Year Statistical Basis: None specified

895 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
Which Months: All Year Statistical Basis: None specified

896 Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]

FUG004 196P -- Equipment Fugitive Emissions

897 Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]

898 Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]

899 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Subpart H. [40 CFR 63.163(e)(1)]

900 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.163(e)(2)]

901 Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.163(e)(3)]

902 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Subpart H. [40 CFR 63.163(e)(4)]
Which Months: All Year Statistical Basis: None specified

903 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.163(e)(6)(i)]

904 Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.163(e)(6)]

905 Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Subpart H. [40 CFR 63.163(e)]
Which Months: All Year Statistical Basis: None specified

906 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Subpart V. [40 CFR 63.163(h)]
Which Months: All Year Statistical Basis: None specified

907 Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Subpart H. [40 CFR 63.163(j)(1)]

908 Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.163(j)(2)]
Which Months: All Year Statistical Basis: None specified

909 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]

910 Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]

911 Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]

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912 Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]

913 Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]

914 Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]

915 Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Subpart H. [40 CFR 63.164(i)(2)]
Which Months: All Year Statistical Basis: None specified

916 Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H. [40 CFR 63.164]
Which Months: All Year Statistical Basis: None specified

917 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]
Which Months: All Year Statistical Basis: None specified

918 Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]

919 Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]
Which Months: All Year Statistical Basis: None specified

920 Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(d)(2)]

921 Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H. [40 CFR 63.166]

922 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]

923 Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
Which Months: All Year Statistical Basis: None specified

924 Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
Which Months: All Year Statistical Basis: None specified

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925 Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
Which Months: All Year Statistical Basis: None specified

926 Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
Which Months: All Year Statistical Basis: None specified

927 Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]

928 Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]
Which Months: All Year Statistical Basis: None specified

929 Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]

930 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(h)(1)]

931 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.168(h)(2)]
Which Months: All Year Statistical Basis: None specified

932 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Subpart H. [40 CFR 63.168(i)(1)]

933 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Subpart H. [40 CFR 63.168(i)(3)]
Which Months: All Year Statistical Basis: None specified

934 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]
Which Months: All Year Statistical Basis: None specified

935 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]

936 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H. [40 CFR 63.170]

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937 Comply with the requirements of 40 CFR 63.11(b). Subpart H. [40 CFR 63.172(d)]

938 Monitor control devices to ensure that they are operated and maintained in conformance with their design. Subpart H. [40 CFR 63.172(e)]

939 Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]
Which Months: All Year Statistical Basis: None specified

940 Closed-vent system (hard-piping): Presence of a leak monitored by visual inspection/determination annually, as well as audible, or olfactory inspections. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

941 Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)]
Which Months: All Year Statistical Basis: None specified

942 Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(ii)]
Which Months: All Year Statistical Basis: None specified

943 Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]

944 Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)]
Which Months: All Year Statistical Basis: None specified

945 Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]

946 Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]

947 Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]
Which Months: All Year Statistical Basis: None specified

948 Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Subpart H. [40 CFR 63.172(k)(1)]

949 Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Subpart H. [40 CFR 63.172(k)(2)]
Which Months: All Year Statistical Basis: None specified

950 Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Subpart H. [40 CFR 63.172(l)(1)]

951 Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Subpart H. [40 CFR 63.172(l)(2)]
Which Months: All Year Statistical Basis: None specified

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952 Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]

953 Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]
Which Months: All Year Statistical Basis: None specified

954 Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]
Which Months: All Year Statistical Basis: None specified

955 Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]

956 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Subpart H. [40 CFR 63.173(d)(1)]

957 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Subpart H. [40 CFR 63.173(d)(2)]

958 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.173(d)(3)]

959 Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Subpart H. [40 CFR 63.173(d)(4)]
Which Months: All Year Statistical Basis: None specified

960 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.173(d)(6)(i)]

961 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(d)(6)]

962 Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Subpart H. [40 CFR 63.173(d)]
Which Months: All Year Statistical Basis: None specified

963 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Subpart H. [40 CFR 63.173(g)]
Which Months: All Year Statistical Basis: None specified

964 Agitators in gas/vapor service or light liquid service (difficult to monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Subpart H. [40 CFR 63.173(h)(1)]

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965 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Subpart H. [40 CFR 63.173(h)(3)]
Which Months: All Year Statistical Basis: None specified

966 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]

967 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.173(j)(2)]
Which Months: All Year Statistical Basis: None specified

968 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]
Which Months: All Year Statistical Basis: None specified

969 Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
Which Months: All Year Statistical Basis: None specified

970 Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]
Which Months: All Year Statistical Basis: None specified

971 Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]
Which Months: All Year Statistical Basis: None specified

972 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]

973 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]
Which Months: All Year Statistical Basis: None specified

974 Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]

975 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Subpart H. [40 CFR 63.174(f)(1)]

976 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Subpart H. [40 CFR 63.174(f)(2)]
Which Months: All Year Statistical Basis: None specified

977 Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(g)]

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978 Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(h)(2)]

979 Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]

980 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]

981 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H. [40 CFR 63.181]

982 Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]

983 Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]

984 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]

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985 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

986 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]

987 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

988 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

989 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]

990 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

991 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]

992 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]

993 Carbon monoxide <= 48.91 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

994 Nitrogen oxides <= 59.69 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

995 Particulate matter (10 microns or less) <= 4.34 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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996 VOC, Total <= 329.68 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
997 Sulfur dioxide <= 3.44 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
998 Acetaldehyde <= 0.82 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
999 Acrylic acid <= 5.80 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1000 Benzene <= 13.77 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1001 Biphenyl < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1002 1,3-Butadiene <= 6.40 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1003 n-butyl alcohol <= 8.28 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1004 Cumene < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1005 Diethanolamine <= 0.15 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1006 1,4-Dioxane <= 0.04 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1007 Ethyl Acrylate <= 2.72 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1008 Ethyl benzene <= 0.10 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1009 1,2-Dichloroethane <= 6.81 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1010 Ethylene glycol <= 3.26 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1011 Ethylene oxide <= 9.21 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1012 Formaldehyde < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1013 Glycol ethers (Table 51.1) <= 0.64 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1014 Glycol ethers (Table 51.3) <= 2.82 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1015 n-Hexane <= 16.47 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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1016 Hydroquinone < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1017 Methanol <= 0.72 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1018 Methyl ethyl ketone < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1019 Naphthalene <= 0.10 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1020 Polynuclear Aromatic Hydrocarbons < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1021 Phenol < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1022 Phthalic Anhydride < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1023 Styrene <= 0.28 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1024 Toluene <= 2.40 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1025 Vinyl acetate < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
1026 Vinyl chloride < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1027 Xylene (mixed isomers) <= 0.50 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1028 Ammonia <= 0.29 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1029 Hydrogen sulfide <= 0.08 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1030 Acetone < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1031 Acrolein < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
1032 2,2,4-Trimethylpentane <= 0.21 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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1033 To determine compliance with the Louisiana Ambient Air Standards (AAS) for acrylic acid, permittee shall establish ambient monitoring for this pollutant in accordance with a monitoring plan and operating procedures to be approved by the Office of Environmental Assessment. The monitoring plan and operating procedures shall be submitted within 45 days of the permit issuance, and the monitoring should commence as soon as practical but no later than 90 days from the date of permit issuance. Monitoring sites should be based upon consideration of the maximum off site concentrations as predicted by dispersion modeling of Union Carbide's permitted emissions alone and of permitted emissions from all sources in the Union Carbide Area of Inclusion (AOI). If monitoring indicates off-site levels of acrylic acid above the AAS, further remedial action will be required to achieve compliance with the ambient air standards; permittee shall submit an application for permit modification within 60 days after completion of monitoring. [LAC 33:III.501.C.6]

1034 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]

1035 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]

1036 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]

1037 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]

1038 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
UCC Air Toxics Compliance Plan No. 92064 was approved July 12, 1996. [LAC 33:III.5107.A.2]

1039 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]

1040 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]

1041 Submit notification: Due to the Office of Environmental Compliance, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.Chapter 51.Table 51.1 or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.2]

1042 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]

1043 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]

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1044 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]

1045 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]

1046 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

1047 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]

1048 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]

1049 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]

1050 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]

1051 Submit notification in writing: Due to the Office of Environmental Compliance, Surveillance Division not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. [LAC 33:III.5113.A.1]

1052 Submit notification in writing: Due to the Office of Environmental Compliance, Surveillance Division within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source. [LAC 33:III.5113.A.2]

1053 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

1054 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]

1055 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]

1056 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]

1057 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

1058 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]

1059 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

1060 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]

1061 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

1062 Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]

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1063 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]

1064 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]

1065 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]

1066 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]

1067 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]

1068 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]

1069 Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]

1070 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]

1071 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]

1072 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]

1073 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]

1074 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]

1075 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]

1076 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
Revised RMP submitted November 29, 2000. [LAC 33:III.5901.A]

1077 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]

1078 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division. [LAC 33:III.5911.A]

1079 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]

1080 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]

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1081 Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:I.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:I.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. [LAC 33:III.927]

1082 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]

1083 As part of the waiver application submitted under 40 CFR 61.342(b)(1), the owner or operator shall submit to the DEQ a plan under 40 CFR 61.10(b)(3) that is an enforceable commitment to obtain environmental benefits to mitigate the benzene emissions that result from extending the compliance date. The plan shall include the information specified in 40 CFR 61.342(b)(2)(i-iii). Subpart FF. [40 CFR 61.342(b)(2)]

1084 Comply with the requirements of 40 CFR 61.342(c) through (h) no later than 90 days following the effective date, unless a waiver of compliance has been obtained under 40 CFR 61.11, or by the initial startup for a new source with an initial startup after the effective date. Subpart FF. [40 CFR 61.342(b)]

1085 Waste streams containing benzene: Remove or destroy the benzene contained in the waste using a treatment process or wastewater treatment system that complies with the standards specified in 40 CFR 61.348. Subpart FF. [40 CFR 61.342(c)(1)(i)]

1086 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

1087 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

1088 Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]

1089 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]

1090 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]

1091 Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]

1092 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]

1093 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63.1-15]

1094 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F
Site Logistics is not a SOCMI HON CMPU, but supports applicable CMPUs. [40 CFR 63.102(a)]

1095 Conduct performance tests and compliance determinations according to the schedule and procedures in 40 CFR 63.7(a) and the applicable sections of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(b)(1)]

1096 Submit Notification: Due at least 30 calendar days before a performance test is scheduled. Notify DEQ of the intention to conduct a performance test to allow DEQ the opportunity to have an observer present during the test. Subpart F. [40 CFR 63.103(b)(2)]

1097 Conduct performance tests according to the provisions in 40 CFR 63.7(e) of subpart A, except conduct performance tests at maximum representative operating conditions for the process. Subpart F. [40 CFR 63.103(b)(3)]

1098 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]

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1099 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]

1100 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]

1101 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified

1102 Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]

1103 Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]

1104 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]

1105 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy continuously. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]

1106 Maintenance wastewater: Implement the procedures described in 40 CFR 63.105(b) and (c) as part of the start-up, shutdown and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(d)]

1107 Maintenance wastewater: Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain a record of the information required by 40 CFR 63.105(b) and (c) as part of the start-up, shut-down, and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(e)]

1108 Maintenance wastewater: Prepare a description of maintenance procedures for the management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns as specified in 40 CFR 63.105(b)(1) through (b)(3). Modify and update the information required by 40 CFR 63.105(b) as needed following each maintenance procedure based on the actions taken and the wastewaters generated in the preceding maintenance procedure. Subpart F. [40 CFR 63.105]

1109 Comply with the emission limitations and established parameter ranges at all times except during periods of startup, shutdown, malfunction, or non-operation of the affected source (or specific portion thereof) resulting in cessation of the emissions to which 40 CFR 63 Subpart YY applies. Subpart YY. [40 CFR 63.1108(a)(1)]

1110 Follow the applicable provisions of the startup, shutdown, malfunction plan required by 40 CFR 63.1111 during periods of startup, shutdown, or malfunction. However, if a startup, shutdown, malfunction or period of non-operation of one portion of an affected source does not affect the ability of a particular emission point to comply with the specific provisions to which it is subject, then that emission point shall still be required to comply with the applicable provisions of 40 CFR 63 Subpart YY and any of the subparts that are referenced by 40 CFR 63 Subpart YY during startup, shutdown, malfunction, or period of non-operation. Subpart YY. [40 CFR 63.1108(a)(1)]

1111 Comply with the equipment leak requirements at all times except during periods of startup, shutdown, malfunction, process unit shutdown, or non-operation of the affected source (or specific portion thereof) in which the lines are drained and depressurized resulting in cessation of the emissions to which equipment leak requirements apply. Subpart YY. [40 CFR 63.1108(a)(2)]

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1112 Implement, to the extent reasonably available, measures to prevent or minimize excess emissions during startups, shutdowns, and malfunctions. Identify the measures to be taken in the startup, shutdown, and malfunction plan (if applicable). Subpart YY. [40 CFR 63.1108(a)(5)]

1113 Correct malfunctions as soon as practical after their occurrence and/or in accordance with the startup, shutdown, and malfunction plan developed as specified under 40 CFR 63.1111. Subpart YY. [40 CFR 63.1108(a)(6)]

1114 Keep copies of notifications, reports and records required by 40 CFR 63 Subpart YY and subparts referenced by 40 CFR 63 Subpart YY for at least 5 years, unless otherwise specified, except as provided in 40 CFR 63.1109(b). Subpart YY. [40 CFR 63.1109(a)]

1115 Maintain all records required to be maintained by 40 CFR 63 Subpart YY or a subpart referenced by 40 CFR 63 Subpart YY in such a manner that they can be readily accessed and are suitable for inspection. Retain the most recent 2 years of records onsite or make accessible to an inspector while onsite. The records of the remaining 3 years, where required, may be retained offsite. Subpart YY. [40 CFR 63.1109(c)]

1116 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records containing information developed and used to assess control applicability under 40 CFR 63.1103 (e.g., combined total annual emissions of regulated organic HAP). Subpart YY. [40 CFR 63.1109(d)]

1117 Submit Notification of Initial Startup: Due within 15 days after initial startup. Send DEQ written notification of the actual date of initial startup. Include the information specified in 40 CFR 63.1110(f). Subpart YY. [40 CFR 63.1110(b)]

1118 Submit Initial Notification: Due within 1 year after the source becomes subject to 40 CFR 63 Subpart YY. Include the information specified in 40 CFR 63.1110(c)(2) through (c)(7), as applicable, and 63.1110(f). Subpart YY. [40 CFR 63.1110(c)]

1119 Submit Notification of Compliance Status: Due 240 days after the compliance date, or 60 days after completion of the initial performance test or initial compliance assessment, whichever is earlier. Include the information specified in 40 CFR 63.1110(d)(1)(i), (d)(1)(ii), and (f). Subpart YY. [40 CFR 63.1110(d)]

1120 Submit Periodic Reports: Due no later than 60 days after the end of each 6-month period. The first report shall cover the 6-month period after the Notification of Compliance Status report is due. Submit the first report no later than the last day of the month that includes the date 8 months (6 months and 60 days) after the Notification of Compliance Status report is due. Include all information specified in 40 CFR 63 Subpart YY and subparts referenced by 40 CFR 63 Subpart YY. Subpart YY. [40 CFR 63.1110(e)]

1121 Develop and implement a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction. Include a program of corrective action for malfunctioning process and air pollution control equipment used to comply with relevant standards under 40 CFR 63 Subpart YY. Address in the plan routine or otherwise predictable CPMS malfunctions. Develop this plan by the compliance date. Subpart YY. [40 CFR 63.1111(a)(1)]

1122 Operate and maintain the affected source (including associated air pollution control equipment and CPMS) in accordance with the procedures specified in the startup, shutdown, and malfunction plan developed under 40 CFR 63.1111(a)(1) during periods of startup, shutdown, and malfunction. Subpart YY. [40 CFR 63.1111(a)(2)]

1123 Revise the startup, shutdown, and malfunction plan within 45 days after an event to include detailed procedures for operating and maintaining the affected source during similar malfunction events and a program of corrective action for similar malfunctions of process or air pollution control equipment or CPMS, if the startup, shutdown, and malfunction plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction but was not included in the startup, shutdown, and malfunction plan at the time the plan was developed. Subpart YY. [40 CFR 63.1111(a)(5)]

1124 If actions during a startup, shutdown, and malfunction of an affected source, or of a control device or monitoring system required for compliance (including actions taken to correct a malfunction) are consistent with the procedures specified in the plan, state such information in a startup, shutdown, and malfunction report. Submit the startup, shutdown, and malfunction report by the 30th day following the end of each calendar half (or other calendar reporting period, as appropriate), unless the information is submitted with the Periodic Report. Include the information specified in 40 CFR 63.1111(b)(1)(i) through (b)(1)(iv). Subpart YY. [40 CFR 63.1111(b)(1)]

1125 Any time an action taken during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) during which excess emissions occur is not consistent with the procedures specified in the affected source's plan, report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan, followed by a letter delivered or postmarked within 7 working days after the end of the event. Include in the immediate report the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred. Subpart YY. [40 CFR 63.1111(b)(2)]

GRP050 Site Logistic & HCD Olefin Distribution

1126 Control emissions of organic HAP's to the level represented by the equation listed in 40 CFR 63.112(a). Subpart G. [40 CFR 63.112(a)]

1127 Demonstrate compliance with the emission standard in 40 CFR 63.112(a) by following the procedures specified in 40 CFR 63.112(e) for all emission points, or by following the emissions averaging compliance approach specified in 40 CFR 63.112(f) for some emission points and the procedures specified in 40 CFR 63.112(e) for all other emission points within the source. Subpart G. [40 CFR 63.112(c)]

1128 Submit Notification of Compliance Status: Due within 150 calendar days after the compliance dates specified in 40 CFR 63.100. Include the information specified in 40 CFR 63.152(b)(1) through (b)(6), as applicable. Subpart G. [40 CFR 63.152(b)]

1129 Submit Periodic Reports: Due semiannually no later than 60 calendar days after the end of each 6-month period, except as specified in 40 CFR 63.152(c)(5) and (c)(6). Submit the first report no later than 8 months after the date the Notification of Compliance Status is due. Include the information specified in 40 CFR 63.152(c)(2) through (c)(4). Subpart G. [40 CFR 63.152(c)]

1130 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records as specified in 40 CFR 63.152(f)(1) through (f)(7). Subpart G. [40 CFR 63.152(f)]

1131 Comply with all applicable requirements in 40 CFR 63 Subpart EEEE.
Site Logistics is an organic liquid distribution operation.
Subpart EEEE. [40 CFR 63.2330]

1132 Comply with all the applicable requirements in 40 CFR 63 Subpart FFFF.
Site Logistics is not a MON CMPU, but supports applicable CMPUs.
Subpart FFFF. [40 CFR 63.2430]

1133 Submit all applicable notifications as per 40 CFR 63 2515 (a) through (c).
Subpart FFFF. [40 CFR 63.2515]

1134 Submit each applicable report in Table 11 to this subpart. Subpart FFFF. [40 CFR 63.2520(a)]

1135 Keep records specified in paragraphs (a) through (k) of this subpart. Subpart FFFF. [40 CFR 63.2525]

1136 Comply with all applicable parts of the General Provisions in 40 CFR 63 Subpart A as per Table 12 to this subpart. Subpart FFFF. [40 CFR 63.2540]

1137 Conduct incident investigation: Due as promptly as possible, but not later than 48 hours following each incident which resulted in, or could reasonably have resulted in a catastrophic release of a regulated substance. [40 CFR 68.81]

1138 Consult with employees and their representatives on the conduct and development of process hazards analyses and on the development of the other elements of process safety management. [40 CFR 68.83(b)]

1139 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

1140 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

1141 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]

1142 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

1143 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82.Subpart F]

GRP051 3400 -- SL Loading CAP

1144 Throughput <= 1025.00 MM gallons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1145 Throughput monitored by technically sound method during loading. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1146 Throughput recordkeeping by electronic or hard copy monthly.
Keep records of the total throughput loaded each month, and the corresponding calculated emissions, as well as the total loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1147 Submit report: Due annually, by the 31st of March. Report the throughput loaded for the preceding calendar year and the corresponding calculated emissions to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

1148 Ethyl Acrylate < 0.01 tons/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

GRP078 Capped MGE Rerun Loading

1149 Throughput monitored by technically sound method during loading.
Only MGE Rerun shall be loaded under this scenario. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1150 Throughput recordkeeping by electronic or hard copy monthly.
Keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1151 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1152 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Compliance with 40 CFR 63 Subparts G and F determined as MACT. [LAC 33:III.5109.A]

1153 Equipment/operational data recordkeeping by electronic or hard copy continuously For each Group 2 transfer rack, the owner or operator shall maintain records as required in 40 CFR 63.130 (f). Subpart G. [40 CFR 63.126(c)]

GRP079 Capped Mono Still Tails, Glycol, Acrylic Acid Loading

1154 Throughput monitored by technically sound method during loading.
Only the following materials shall be loaded under this scenario:
Ethylene Glycol, Glycol Ethers (II-S), Mono Still Tails and Acrylic Acid.
Based on the material loaded, emissions will be calculated. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1155 Throughput recordkeeping by electronic or hard copy monthly.
For each material loaded, keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

GRP079 Capped Mono Still Tails, Glycol, Acrylic Acid Loading

1156 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5.
. [LAC 33:III.501.C.6]

1157 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
The materials loaded under this scenario are either Class III or found in the Louisiana Supplemental List. No MACT required. [LAC 33:III.5109.A]

1158 Equipment/operational data recordkeeping by electronic or hard copy continuously For each Group 2 transfer rack, the owner or operator shall maintain records as required in 40 CFR 63.130 (f). Subpart G. [40 CFR 63.126(c)]

GRP081 Acrylates Loading (Non TAP)

1159 Throughput monitored by technically sound method during loading.
Only Non-TAP Acrylates shall be loaded under this scenario. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1160 Throughput recordkeeping by electronic or hard copy monthly.
For each materia loaded, keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1161 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1162 Emissions from Acrylates (Non TAPs) loading will be controlled by the 98% efficient Acrylates Enclosed Flare, Emission Point 3414. [LAC 33:III.501.C.6]

GRP082 Ethyl Acrylate Loading

1163 Throughput monitored by technically sound method during loading.
Only Ethyl Acrylate shall be loaded under this scenario. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1164 Throughput recordkeeping by electronic or hard copy monthly.
Keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1165 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1166 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Emissions vent to the Acrylates Enclosed Flare with a 98% control efficiency. Determined as MACT. [LAC 33:III.5109.A]

1167 Equipment/operational data recordkeeping by electronic or hard copy continuously.
For each Group 2 transfer rack, the owner or operator shall maintain records as required in 40 CFR 63.130 (f). Subpart G. [40 CFR 63.126(c)]

1168 Comply with all applicable requirements from 40 CFR 63. Subpart EEEE. [40 CFR 63.2330]

1169 Meet the emission limits specified in Table 2 item 8 to this subpart and comply with the applicable requirements for transfer racks specified in 40 CFR 63, subpart SS, for meeting emissions limits. Subpart EEEE. [40 CFR 63.2346(b)(1)]

GRP082 Ethyl Acrylate Loading

1170 From Table 2 item 8 to this subpart: Reduce emissions of organic HAP from the loading of organic liquids by venting emissions through a closed vent system to any combination of control devices achieving 98 weight-percent HAP reduction; And, Vent emissions through a closed vent system to any combination of control devices meeting the applicable requirements of 40 CFR 63, subpart SS, and comply with the work practice standards specified in Table 4 to this subpart, item 2. Subpart EEEE. [40 CFR 63.2346(b)(1)]

1171 For each high throughput transfer rack, you must meet each operating limit in Table 3 item 7 to this subpart for each control device used to comply with the provisions of this subpart whenever emissions from organic liquids are routed to the control device. Subpart EEEE. [40 CFR 63.2346(e)]

1172 If you elect to comply with this subpart by combining emissions from different emission sources subject to this subpart in a single control device, then you must comply with the provisions specified in 40 CFR 63.982(f). Subpart EEEE. [40 CFR 63.2346(j)]

1173 You must be in compliance with the emission limitations, operating limits, and work practice standards in this subpart at all times when the equipment identified in 40 CFR 63.2338(b)(1-4) is in OLD operation. Subpart EEEE. [40 CFR 63.2350(a)]

1174 Always operate and maintain your affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart EEEE. [40 CFR 63.2350(b)]

1175 You must develop and implement a written startup, shutdown, and malfunction (SSM) plan according to the provisions in 40 CFR 63.6(e)(3). Subpart EEEE. [40 CFR 63.2350(c)]

1176 You must submit each report in subpart SS of this part, Table 11 to this subpart, Table 12 of this subpart and in paragraphs (c) through (e) of this section that applies to you. Subpart EEEE. [40 CFR 63.2386(a)]

1177 You must keep all records identified in subpart SS of this part and in Tables 8 -10 & Table 12 to this subpart that are applicable to you. Subpart EEEE. [40 CFR 63.2390]

GRP083 Ethylene Oxide T/C Loading

1178 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system. [LAC 33:III.2107.B]

1179 VOC, Total >= 90 % DRE, using a vapor disposal system.
Emissions routed back to process at the Ethylene Oxide Unit. When the Unit is down, the emissions are routed to the Ethylene Oxide Flare, Emission Point 507. [LAC 33:III.2107.B]
Which Months: All Year Statistical Basis: None specified

1180 Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system.
Emissions routed back to process at the Ethylene Oxide Unit. When the Unit is down, the emissions are routed to the Ethylene Oxide Flare, Emission Point 507. [LAC 33:III.2107.B]

1181 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks. [LAC 33:III.2107.C]
Which Months: All Year Statistical Basis: None specified

1182 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired. [LAC 33:III.2107.C]

1183 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2. [LAC 33:III.2107.D]

1184 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate. [LAC 33:III.2107.E]

1185 Throughput monitored by technically sound method during loading.
Only Ethylene Oxide shall be loaded under this scenario. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

GRP083 Ethylene Oxide T/C Loading

1186 Throughput recordkeeping by electronic or hard copy monthly.
Keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1187 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1188 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
For compliance with NESHAP Subpart G, emissions routed to the Ethylene Oxide Unit for recycle. If the Oxide Unit is down, emissions are controlled by Flare, Emisson Point 507. Determined as MACT. [LAC 33:III.5109.A]

1189 Equip with a vapor collection system and control device. Subpart G
Emissions routed to the Ethylene Oxide Unit for recycle. If the Oxide Unit is down, emissions are controlled by Flare, Emisson Point 507. [40 CFR 63.126(a)]

1190 Reduce emissions of organic HAPs using a flare. Do not vent halogenated vent streams to the flare. Subpart G
Emissions are routed to the Ethylene Oxide Flare, Emission Point 507, with a 99% VOC control efficiency when the Ethylene Oxide Unit is down. [40 CFR 63.126(b)(2)]

1191 Route emissions of organic HAPs to a fuel gas system or to a process where the organic HAPs in the emissions meet one of, or a combination of, the ends specified in 40 CFR 63.126(b)(4)(i) through (b)(4)(iv). Subpart G
Emissions are routed back to the Ethylene Oxide Unit. [40 CFR 63.126(b)(4)]

1192 Load organic HAPs into only tank trucks and railcars which have a current certification in accordance with the U.S. Department of Transportation pressure test requirements of 49 CFR part 180 for tank trucks and 49 CFR 173.31 for railcars; or have been demonstrated to be vapor-tight within the preceding 12 months, as determined by the procedures in 40 CFR 63.128(f). Subpart G. [40 CFR 63.126(e)]

1193 Load organic HAPs to only tank trucks or railcars equipped with vapor collection equipment that is compatible with the transfer rack's vapor collection system. Subpart G. [40 CFR 63.126(f)]

1194 Load organic HAPs to only tank trucks or railcars whose collection systems are connected to the transfer rack's vapor collection systems. Subpart G. [40 CFR 63.126(g)]

1195 Ensure that no pressure-relief device in the transfer rack's vapor collection system or in the organic HAPs loading equipment of each tank truck or railcar shall begin to open during loading. Subpart G. [40 CFR 63.126(h)]

1196 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(e) and (f). Subpart G. [40 CFR 63.130]

GRP084 Crude Acetaldehyde Loading

1197 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system. [LAC 33:III.2107.B]

1198 Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system.
Emissions routed to the Acrylics Unit Flare, Emission Point 228. [LAC 33:III.2107.B]

1199 VOC, Total >= 90 % DRE, using a vapor disposal system.
Emissions routed to the Acrylics Unit Flare, Emission Point 228. [LAC 33:III.2107.B]
Which Months: All Year Statistical Basis: None specified

1200 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks. [LAC 33:III.2107.C]
Which Months: All Year Statistical Basis: None specified

GRP084 Crude Acetaldehyde Loading

1201 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired. [LAC 33:III.2107.C]

1202 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2. [LAC 33:III.2107.D]

1203 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate. [LAC 33:III.2107.E]

1204 Throughput monitored by technically sound method during loading.
Based on material loaded, emissions will be calculated. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1205 Throughput recordkeeping by electronic or hard copy monthly.
For each material loaded, keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1206 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1207 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
For compliance with NESHAP Subpart G, emissions routed to Acrylics Unit Flare, Emission Point 228. Determined as MACT. [LAC 33:III.5109.A]

1208 Equip with a vapor collection system and control device. Subpart G
Emissions routed to Acrylics Unit Flare, Emission Point 228. [40 CFR 63.126(a)]

1209 Reduce emissions of organic HAPs using a flare. Do not vent halogenated vent streams to the flare. Subpart G
Emissions routed to the Acrylics Unit Flare, Emission Point 228. [40 CFR 63.126(b)(2)]

1210 Load organic HAPs into only tank trucks and railcars which have a current certification in accordance with the U.S. Department of Transportation pressure test requirements of 49 CFR part 180 for tank trucks and 49 CFR 173.31 for railcars; or have been demonstrated to be vapor-tight within the preceding 12 months, as determined by the procedures in 40 CFR 63.128(f). Subpart G. [40 CFR 63.126(e)]

1211 Load organic HAPs to only tank trucks or railcars equipped with vapor collection equipment that is compatible with the transfer rack's vapor collection system. Subpart G. [40 CFR 63.126(f)]

1212 Load organic HAPs to only tank trucks or railcars whose collection systems are connected to the transfer rack's vapor collection systems. Subpart G. [40 CFR 63.126(g)]

1213 Ensure that no pressure-relief device in the transfer rack's vapor collection system or in the organic HAPs loading equipment of each tank truck or railcar shall begin to open during loading. Subpart G. [40 CFR 63.126(h)]

1214 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(e) and (f). Subpart G. [40 CFR 63.130]

GRP085 Dripolene Dock Loading

1215 Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading. [LAC 33:III.2108.C.1]

1216 VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
Emissions routed to Flare, Emission Point 668. [LAC 33:III.2108.C.2]
Which Months: All Year Statistical Basis: None specified

1217 Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal). [LAC 33:III.2108.C.3.b]
Which Months: All Year Statistical Basis: None specified

GRP085 Dripolene Dock Loading

1218 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal). [LAC 33:III.2108.C.3.d]
Which Months: All Year Statistical Basis: None specified

1219 Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system. [LAC 33:III.2108.C.5]

1220 Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done. [LAC 33:III.2108.C.6]

1221 Comply with the requirements of LAC 33:III.2108 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2108 as a result of a revision of LAC 33:III.2108. [LAC 33:III.2108.D.4]

1222 Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate. [LAC 33:III.2108.E]

1223 Submit test results: Due to the Office of Environmental Assessment, Environmental Technology Division within 45 days of any testing done in accordance with LAC 33:III.2108.E. [LAC 33:III.2108.F.1]

1224 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable. [LAC 33:III.2108.F.2]

1225 Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected. [LAC 33:III.2108.G.1]

1226 Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere. [LAC 33:III.2108.G.2]

1227 Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order. [LAC 33:III.2108.G.3]

1228 Throughput monitored by technically sound method during loading.
Only Dripolene Loading shall be allowed under this scenario. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1229 Throughput recordkeeping by electronic or hard copy monthly.
Keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1230 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1231 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
For compliance with LAC 33:III.2108 emissions routed to Flare, Emission Point 668. Determined as MACT. [LAC 33:III.5109.A]

1232 Comply with all applicable recordkeeping/ recording of 40 CFR 63.567(j)(4) and emission estimation requirements of 40 CFR 63.565(l). Subpart Y. [40 CFR 63.560(a)(3)]

1233 Comply with all applicable requirements from 40 CFR 63. Subpart Y. [40 CFR 63.560(a)]

GRP086 MDP & THBA Loading

1234 Throughput monitored by technically sound method during loading.
Only MDP & TBHA shall be loaded under this scenario. Based on the material loaded, emissions will be calculated. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1235 Throughput recordkeeping by electronic or hard copy monthly.
For each material loaded, keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

GRP086 MDP & THBA Loading

1236 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1237 Emissions from MDP & TBHA loading will be controlled by the Flare, Emission Point 131A at the Specialty Products Unit, Permit No. 1912-V0 issued March 12, 2003. [LAC 33:III.501.C.6]

GRP087 Crude Butadiene Dock Loading

1238 Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading. [LAC 33:III.2108.C.1]

1239 VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
Emissions routed back to process at Olefins Unit. [LAC 33:III.2108.C.2]
Which Months: All Year Statistical Basis: None specified

1240 Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal). [LAC 33:III.2108.C.3.b]
Which Months: All Year Statistical Basis: None specified

1241 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal). [LAC 33:III.2108.C.3.d]
Which Months: All Year Statistical Basis: None specified

1242 Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system. [LAC 33:III.2108.C.5]

1243 Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done. [LAC 33:III.2108.C.6]

1244 Comply with the requirements of LAC 33:III.2108 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2108 as a result of a revision of LAC 33:III.2108. [LAC 33:III.2108.D.4]

1245 Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate. [LAC 33:III.2108.E]

1246 Submit test results: Due to the Office of Environmental Assessment, Environmental Technology Division within 45 days of any testing done in accordance with LAC 33:III.2108.E. [LAC 33:III.2108.F.1]

1247 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable. [LAC 33:III.2108.F.2]

1248 Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected. [LAC 33:III.2108.G.1]

1249 Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere. [LAC 33:III.2108.G.2]

1250 Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order. [LAC 33:III.2108.G.3]

1251 Throughput monitored by technically sound method during loading.
Only Crude Butadiene Loading shall be allowed under this scenario. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1252 Throughput recordkeeping by electronic or hard copy monthly.
For each material loader, keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

GRP087 Crude Butadiene Dock Loading

1 253 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1 254 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Emissions routed back to process at Olefins Unit. Determined as MACT. [LAC 33:III.51 09.A]

1 255 When marine loading, comply with all applicable recordkeeping/ recording of 40 CFR 63.567(j)(4) and emission estimation requirements of 40 CFR 63.565(l). Subpart Y. [40 CFR 63.560(a)(3)]

1 256 Comply with all applicable requirements from 40 CFR 63 Subpart Y. [40 CFR 63.560(a)]

GRP088 Propylene Dock Loading

1 257 Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading. [LAC 33:III.21 08.C.1]

1 258 VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
Emissions routed back to process at Olefins Unit. [LAC 33:III.21 08.C.2]
Which Months: All Year Statistical Basis: None specified

1 259 Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/l 000 gal). [LAC 33:III.21 08.C.3.b]
Which Months: All Year Statistical Basis: None specified

1 260 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 1 2 mg/l of VOC loaded (0.1 lb/l 000 gal). [LAC 33:III.21 08.C.3.d]
Which Months: All Year Statistical Basis: None specified

1 261 Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system. [LAC 33:III.21 08.C.5]

1 262 Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done. [LAC 33:III.21 08.C.6]

1 263 Comply with the requirements of LAC 33:III.21 08 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.21 08 as a result of a revision of LAC 33:III.21 08. [LAC 33:III.21 08.D.4]

1 264 Determine compliance with LAC 33:III.21 08.C.3 using the methods in LAC 33:III.21 08.E.1-5, as appropriate. [LAC 33:III.21 08.E]

1 265 Submit test results: Due to the Office of Environmental Assessment, Environmental Technology Division within 45 days of any testing done in accordance with LAC 33:III.21 08.E. [LAC 33:III.21 08.F.1]

1 266 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.21 08.F.2.a-e, as applicable. [LAC 33:III.21 08.F.2]

1 267 Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected. [LAC 33:III.21 08.G.1]

1 268 Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere. [LAC 33:III.21 08.G.2]

1 269 Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order. [LAC 33:III.21 08.G.3]

1 270 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

GRP088 Propylene Dock Loading

1271 Throughput monitored by technically sound method during loading.
Only Propylene Loading shall be allowed under this scenario. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1272 Throughput recordkeeping by electronic or hard copy monthly.
Keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1273 When marine loading, comply with all applicable recordkeeping/ recording of 40 CFR 63.567(j)(4) and emission estimation requirements of 40 CFR 63.565(l). Subpart Y. [40 CFR 63.560(a)(3)]

1274 Comply with all applicable requirements from 40 CFR 63 Subpart Y. [40 CFR 63.560(a)]

GRP089 Capped Loading - Others

1275 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1276 Throughput monitored by technically sound method during loading.
Only the following materials shall be loaded under this scenario:
Crude Penta, Diethylene Glycol, DST, EPO, PG Rerun, Triethylene Glycol, Tetraethylene Glycol.
Based on the material loaded, emissions will be calculated. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1277 Throughput recordkeeping by electronic or hard copy monthly.
For each material loaded, keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

GRP090 Capped Amines Loading

1278 Throughput monitored by technically sound method during loading.
Only the following materials shall be loaded under this scenario:
Amines Mixture, Crude Amines, Diethanolamine, Ethylenediamine, HPA-X, Monoethanolamine, PM 6059, Piperazine.
Based on the material loaded, emissions will be calculated. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1279 Throughput recordkeeping by electronic or hard copy monthly.
For each material loaded, keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1280 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1281 Emissions from Amines loading shall be controlled by the Scrubbers, Emission Points 3407, or 3408, or 3409, or 3413. [LAC 33:III.501.C.6]

GRP091 *Capped Quench Oil Loading*

GRP091 Capped Quench Oil Loading

1282 Throughput monitored by technically sound method during loading.
Only Quench Oil shall be loaded under this scenario. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1283 Throughput recordkeeping by electronic or hard copy monthly.
For each material loaded, keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1284 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a *description of the proposed action, the rate of the emissions*, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1285 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Compliance with 40 CFR 63 Subparts G and F determined as MACT. [LAC 33:III.5109.A]

1286 Equipment/operational data recordkeeping by electronic or hard copy continuously.
For each Group 2 transfer rack, the owner or operator shall maintain records as required in 40 CFR 63.130 (f). Subpart G. [40 CFR 63.126(c)]

GRP092 Capped Diethanolamine Loading

1287 Throughput monitored by technically sound method during loading.
Only Diethanolamine shall be loaded under this scenario. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1288 Throughput recordkeeping by electronic or hard copy monthly.
Keep records of the total throughput loaded each month and the corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and the corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1289 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of *LAC 33:III.Chapter 5.*
. [LAC 33:III.501.C.6]

1290 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
The material loaded under this scenario, Diethanolamine, is a Class III TAP. No MACT required. [LAC 33:III.5109.A]

1291 Equipment/operational data recordkeeping by electronic or hard copy continuously.
For each Group 2 transfer rack, the owner or operator shall maintain records as required in 40 CFR 63.130 (f). Subpart G. [40 CFR 63.126(c)]

GRP093 Capped Butanol Loading

1292 Throughput monitored by technically sound method during loading.
Only Butanol shall be loaded under this scenario. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1293 Throughput recordkeeping by electronic or hard copy monthly.
Keep records of the total throughput loaded each month and its corresponding calculated emissions , as well as the total throughput loaded for the last twelve months and its corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

GRP093 Capped Butanol Loading

1 294 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1 295 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
The materials loaded under this scenario are either Class III or found in the Louisiana Supplemental List. No MACT required. [LAC 33:III.5109.A]

GRP114 Capped Acetic Acid Loading

1 296 Throughput monitored by technically sound method during loading.
Only Acetic Acid shall be loaded under this scenario. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1 297 Throughput recordkeeping by electronic or hard copy monthly.
Keep records of the total throughput loaded each month and its corresponding calculated emissions, as well as the total throughput loaded for the last twelve months and its corresponding calculated emissions. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1 298 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]

1 299 Emissions from Acetic Acid loading shall be controlled by the Scrubber, Emission Points 3409. [LAC 33:III.501.C.6]