INVENTORIES

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Flopam Inc						
EQT 0261	POB07B8 - Powder Plant - Dust Collector POB07B8					8760 hr/yr
EQT 0262	POB07B9 - Powder Plant - Dust Collector POB07B9					8760 hr/yr
EQT 0263	POB07B10 - Powder Plant - Dust Collector POB07B10					8760 hr/yr
EQT 0264	POB07B11 - Powder Plant - Dust Collector POB07B11					8760 hr/yr
EQT 0265	POB07B12 - Powder Plant - Dust Collector POB07B12					8760 hr/yr
EQT 0266	POB08B1 - Powder Plant - Dust Collector POB08B1					8760 hr/yr
EQT 0267	POB08B2 - Powder Plant - Dust Collector POB08B2					8760 hr/yr
EQT 0268	POB08B3 - Powder Plant - Dust Collector POB08B3					8760 hr/yr
EQT 0269	POB08B4 - Powder Plant - Dust Collector POB08B4					8760 hr/yr
EQT 0270	POB08B5 - Powder Plant - Dust Collector POB08B5					8760 hr/yr
EQT 0271	POB08B6 - Powder Plant - Dust Collector POB08B6					8760 hr/yr
EQT 0272	POB08B7 - Powder Plant - Dust Collector POB08B7					8760 hr/yr
EQT 0273	POB08B8 - Powder Plant - Dust Collector POB08B8					8760 hr/yr
EQT 0274	POB08B9 - Powder Plant - Dust Collector POB08B9					8760 hr/yr
EQT 0275	POB08B10 - Powder Plant - Dust Collector POB08B10					8760 hr/yr
EQT 0276	POB08B11 - Powder Plant - Dust Collector POB08B11					8760 hr/yr
EQT 0277	POB08B12 - Powder Plant - Dust Collector POB08B12					8760 hr/yr
EQT 0278	POB09B1 - Powder Plant - Dust Collector POB09B1					8760 hr/yr
EQT 0279	POB09B2 - Powder Plant - Dust Collector POB09B2					8760 hr/yr
EQT 0280	POB09B3 - Powder Plant - Dust Collector POB09B3					8760 hr/yr
EQT 0281	POB09B4 - Powder Plant - Dust Collector POB09B4					8760 hr/yr
EQT 0282	POB09B5 - Powder Plant - Dust Collector POB09B5					8760 hr/yr
EQT 0283	POB09B6 - Powder Plant - Dust Collector POB09B6					8760 hr/yr
EQT 0284	POB09B7 - Powder Plant - Dust Collector POB09B7					8760 hr/yr
EQT 0285	POB09B8 - Powder Plant - Dust Collector POB09B8					8760 hr/yr
EQT 0286	POB09B9 - Powder Plant - Dust Collector POB09B9					8760 hr/yr
EQT 0287	POB09B10 - Powder Plant - Dust Collector POB09B10					8760 hr/yr
EQT 0288	POB09B11 - Powder Plant - Dust Collector POB09B11					8760 hr/yr
EQT 0289	POB09B12 - Powder Plant - Dust Collector POB09B12					8760 hr/yr
EQT 0290	POB10B1 - Powder Plant - Dust Collector POB10B1					8760 hr/yr
EQT 0291	POB10B2 - Powder Plant - Dust Collector POB10B2					8760 hr/yr
EQT 0292	POB10B3 - Powder Plant - Dust Collector POB10B3					8760 hr/yr
EQT 0293	POB10B4 - Powder Plant - Dust Collector POB10B4					8760 hr/yr
EQT 0294	POB10B5 - Powder Plant - Dust Collector POB10B5					8760 hr/yr
EQT 0295	POB10B6 - Powder Plant - Dust Collector POB10B6					8760 hr/yr
EQT 0296	POB10B7 - Powder Plant - Dust Collector POB10B7					8760 hr/yr
EQT 0297	POB10B8 - Powder Plant - Dust Collector POB10B8					8760 hr/yr
EQT 0298	POB10B9 - Powder Plant - Dust Collector POB10B9					8760 hr/yr
EQT 0299	POB10B10 - Powder Plant - Dust Collector POB10B10					8760 hr/yr

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Flopam Inc						
EQT 0300	POB10B11 - Powder Plant - Dust Collector POB10B11					8760 hr/yr
EQT 0301	POB10B12 - Powder Plant - Dust Collector POB10B12					8760 hr/yr
EQT 0302	POPKG1 - Powder Plant - Packaging Area 1 - Dust Collector POPKG1					8760 hr/yr
EQT 0303	POPKG2 - Powder Plant - Packaging Area 2 - Dust Collector POPKG2					8760 hr/yr
EQT 0304	POTTBH - Powder Plant - Truck Loading Area - Dust Collector POTTBH					8760 hr/yr
EQT 0305	POTTBV1 - Powder Plant - Truck Loading Area Silo - Dust Collector POTTBV1					8760 hr/yr
EQT 0306	POTTBV2 - Powder Plant - Truck Loading Area Silo - Dust Collector POTTBV2					8760 hr/yr
EQT 0307	PORCBH - Powder Plant - Railcar Loading Area - Dust Collector PORCBH					8760 hr/yr
EQT 0308	PORCBV1 - Powder Plant - Railcar Loading Area Silo - Dust Collector PORCBV1					8760 hr/yr
EQT 0309	PORCBV2 - Powder Plant - Railcar Loading Area Silo - Dust Collector PORCBV2					8760 hr/yr
EQT 0310	PORCBV3 - Powder Plant - Railcar Loading Area Silo - Dust Collector PORCBV3					8760 hr/yr
EQT 0311	PORCBV4 - Powder Plant - Railcar Loading Area Silo - Dust Collector PORCBV4					8760 hr/yr
EQT 0312	TAA1 - Main Acrylic Acid Storage Tank TAA1					8760 hr/yr
EQT 0313	TAA2 - Main Acrylic Acid Storage Tank TAA2					8760 hr/yr
EQT 0314	TAA3 - Main Acrylic Acid Storage Tank TAA3					8760 hr/yr
EQT 0315	TAA4 - Main Acrylic Acid Storage Tank TAA4					8760 hr/yr
EQT 0316	TAD16 - Powder Plant - Acrylamide Day Tank TAD16					8760 hr/yr
EQT 0317	TAD17 - Powder Plant - Acrylamide Day Tank TAD17					8760 hr/yr
EQT 0318	TAD18 - Powder Plant - Acrylamide Day Tank TAD18					8760 hr/yr
EQT 0319	TAD19 - Powder Plant - Acrylamide Day Tank TAD19					8760 hr/yr
EQT 0320	TAD20 - Powder Plant - Acrylamide Day Tank TAD20					8760 hr/yr
EQT 0321	EMD01 - Emulsion Plant Line 1 - Dissolution Tank EMD01					8760 hr/yr
EQT 0322	EMD02 - Emulsion Plant Line 2 - Dissolution Tank EMD02					8760 hr/yr
EQT 0323	EMD03 - Emulsion Plant Line 3 - Dissolution Tank EMD03					8760 hr/yr
EQT 0324	EMD04 - Emulsion Plant Line 4 - Dissolution Tank EMD04					8760 hr/yr
EQT 0325	EMD05 - Emulsion Plant Line 5 - Dissolution Tank EMD05					8760 hr/yr
EQT 0326	EMD06 - Emulsion Plant Line 6 - Dissolution Tank EMD06					8760 hr/yr
EQT 0327	EMD07 - Emulsion Plant Line 7 - Dissolution Tank EMD07					8760 hr/yr
EQT 0328	EMD08 - Emulsion Plant Line 8 - Dissolution Tank EMD08					8760 hr/yr
EQT 0329	EMD09 - Emulsion Plant Line 9 - Dissolution Tank EMD09					8760 hr/yr
EQT 0330	EMD10 - Emulsion Plant Line 10 - Dissolution Tank EMD10					8760 hr/yr

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Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Flopam Inc						
EQT 0331	EMR01 - Emulsion Plant Line 1 - Reactor EMR01					8760 hr/yr
EQT 0332	EMR02 - Emulsion Plant Line 2 - Reactor EMR02					8760 hr/yr
EQT 0333	EMR03 - Emulsion Plant Line 3 - Reactor EMR03					8760 hr/yr
EQT 0334	EMR04 - Emulsion Plant Line 4 - Reactor EMR04					8760 hr/yr
EQT 0335	EMR05 - Emulsion Plant Line 5 - Reactor EMR05					8760 hr/yr
EQT 0336	EMR06 - Emulsion Plant Line 6 - Reactor EMR06					8760 hr/yr
EQT 0337	EMR07 - Emulsion Plant Line 7 - Reactor EMR07					8760 hr/yr
EQT 0338	EMR08 - Emulsion Plant Line 8 - Reactor EMR08					8760 hr/yr
EQT 0339	EMR09 - Emulsion Plant Line 9 - Reactor EMR09					8760 hr/yr
EQT 0340	EMR10 - Emulsion Plant Line 10 - Reactor EMR10					8760 hr/yr
EQT 0341	SCEM1 - Emulsion Plant Line 1-2 Scrubber SCEM1					8760 hr/yr
EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1					8760 hr/yr
EQT 0343	TAD21 - Emulsion Plant - Acrylamide Day Tank TAD21					8760 hr/yr
EQT 0344	SPR1 - Specialty Product Line 1 - Base Reactor SPR1					8760 hr/yr
EQT 0345	SC-SP1 - Specialty Product Line 1 Reaction & Neutralization Tank / Scrubber SC-SP1					8760 hr/yr
EQT 0346	SC-SP2 - Specialty Product Line 2 Reaction & Neutralization Tank / Scrubber SC-SP2					8760 hr/yr
EQT 0347	TAD22 - Specialty Product - Acrylamide Day Tank TAD22					8760 hr/yr
EQT 0348	DADR - DADMAC Plant - Monomer Reactors DADR					8760 hr/yr
EQT 0349	DADORG - DADMAC Plant - Organic Receiver DADORG					8760 hr/yr
EQT 0350	DADLL - DADMAC Plant - Liquid/Liquid Separator DADLL					8760 hr/yr
EQT 0351	DADOH - DADMAC Plant - Allyl Alcohol Receivers DADOH					8760 hr/yr
EQT 0352	TAOH-1 - DADMAC Plant - Allyl Alcohol Storage Tank TAOH-1					8760 hr/yr
EQT 0353	DADDC - DADMAC Plant - Allyl Alcohol Distillation Column DADDC					8760 hr/yr
EQT 0354	TO-DAD1 - DADMAC Plant - Thermal Oxidizer TO-DAD1					8760 hr/yr
EQT 0355	SC-DAD1 - DADMAC Plant - Thermal Oxidizer Vent Scrubber SC-DAD1					8760 hr/yr
EQT 0356	PA-1 - Polyamine Plant - Reactor PA-1					8760 hr/yr
EQT 0357	PA-2 - Polyamine Plant - Reactor PA-2					8760 hr/yr
EQT 0358	SC-PA1 - Polyamine Plant - Reactor Vent Scrubber SC-PA1					8760 hr/yr
EQT 0359	TEP1 - Epichlorohydrin Tank TEP1					8760 hr/yr
EQT 0360	TAE1 - ADAM Plant - Acrylate Ester Storage Tank TAE1					8760 hr/yr
EQT 0361	TAE2 - ADAM Plant - Acrylate Ester Storage Tank TAE2					8760 hr/yr
EQT 0362	AD-R1 - ADAM Plant - Transesterification Reactor/Column R1					8760 hr/yr
EQT 0363	AD-R2 - ADAM Plant - Transesterification Reactor/Column R2					8760 hr/yr

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Flopam Inc						
EQT 0364	AD-DOH1 - ADAM Plant - Saponification Reactor/Column DOH1					8760 hr/yr
EQT 0365	AD-D1 - ADAM Plant - Product Distillation AD-D1					8760 hr/yr
EQT 0366	TD1 - ADAM Plant - Recycle Reactant Tank TD1					8760 hr/yr
EQT 0367	TAZ1 - ADAM Plant - Azeotrope Tank TAZ1					8760 hr/yr
EQT 0368	TCE1 - ADAM Plant - Crude Ester Tank TCE1					8760 hr/yr
EQT 0369	AT-MR1 - ATBS Plant - Mixing/Reactors AT-MR1					8760 hr/yr
EQT 0370	AT-AR1 - ATBS Plant - Acrylonitrile Recovery AT-AR1					8760 hr/yr
EQT 0371	AT-DRY1 - ATBS Plant - Dryer AT-DRY1					8760 hr/yr
EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1					8760 hr/yr
EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back-up)					8760 hr/yr
EQT 0374	TALC1 - ADAM Plant - Alcohol Co-Product Tank TALC1					8760 hr/yr
EQT 0375	TALC2 - ADAM Plant - Alcohol Co-Product Tank TALC2					8760 hr/yr
EQT 0376	THX1 - ADAM Plant - Hexane Storage Tank THX1					8760 hr/yr
EQT 0377	TRA1 - ADAM Plant - Dimethylaminoethanol Tank TRA1					8760 hr/yr
EQT 0378	TRA2 - ADAM Plant - Dimethylaminoethanol Tank TRA2					8760 hr/yr
EQT 0379	THC1 - Hydrochloric Acid Storage Tank THC1					8760 hr/yr
EQT 0380	THC2 - Hydrochloric Acid Storage Tank THC2					8760 hr/yr
EQT 0381	SC-HC1 - HCl Storage Tank Vent Scrubber SC-HC1					8760 hr/yr
EQT 0382	CM1 - Chloromethylation Plant - Reactors CM1					8760 hr/yr
EQT 0383	TO-CM1 - Chloromethylation Plant - Thermal Oxidizer TO-CM1					8760 hr/yr
EQT 0384	SC-CM1 - Chloromethylation Plant - Thermal Oxidizer Vent Scrubber SC-CM1					8760 hr/yr
EQT 0385	AT-SL1 - ATBS Plant - Silo AT-SL1					8760 hr/yr
EQT 0386	AT-SL2 - ATBS Plant - Silo AT-SL2					8760 hr/yr
EQT 0387	AT-SL3 - ATBS Plant - Silo AT-SL3					8760 hr/yr
EQT 0388	AT-SL4 - ATBS Plant - Silo AT-SL4					8760 hr/yr
EQT 0389	AT-HP1 - ATBS Plant - Hopper AT-HP1					8760 hr/yr
EQT 0390	AT-HP2 - ATBS Plant - Hopper AT-HP2					8760 hr/yr
EQT 0391	AT-HP3 - ATBS Plant - Hopper AT-HP3					8760 hr/yr
EQT 0392	AT-HP4 - ATBS Plant - Hopper AT-HP4					8760 hr/yr
EQT 0393	AT-BG1 - ATBS Plant - Bagging Operations AT-BG1					8760 hr/yr
EQT 0394	AT-BG2 - ATBS Plant - Bagging Operations AT-BG2					8760 hr/yr
EQT 0395	AT-BG3 - ATBS Plant - Bagging Operations AT-BG3					8760 hr/yr
EQT 0396	AT-BG4 - ATBS Plant - Bagging Operations AT-BG4					8760 hr/yr
EQT 0397	TLM1 - ATBS Plant - Oleum Storage Tank TLM1					8760 hr/yr
EQT 0398	TLM2 - ATBS Plant - Oleum Storage Tank TLM2					8760 hr/yr
EQT 0399	TLM3 - ATBS Plant - Oleum Storage Tank TLM3					8760 hr/yr

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ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Flopam Inc						
EQT 0400	TLMD1 - ATBS Plant - Oleum Day Tank TLMD1					8760 hr/yr
EQT 0401	SC-LM1 - ATBS Plant - Oleum Tank Vent Scrubber SC-LM1					8760 hr/yr
EQT 0402	B1 - Boiler B1		25.1 MM BTU/hr	25.1 MM BTU/hr		8760 hr/yr
EQT 0403	B2 - Boiler B2		25.1 MM BTU/hr	25.1 MM BTU/hr		8760 hr/yr
EQT 0404	B3 - Boiler B3		25.1 MM BTU/hr	25.1 MM BTU/hr		8760 hr/yr
EQT 0405	B4 - Boiler B4		25.1 MM BTU/hr	25.1 MM BTU/hr		8760 hr/yr
EQT 0406	B5 - Boiler B5		25.1 MM BTU/hr	25.1 MM BTU/hr		8760 hr/yr
EQT 0407	B6 - Boiler B6		25.1 MM BTU/hr	25.1 MM BTU/hr		8760 hr/yr
EQT 0408	B7 - Boiler B7		25.1 MM BTU/hr	25.1 MM BTU/hr		8760 hr/yr
EQT 0409	B8 - Boiler B8		25.1 MM BTU/hr	25.1 MM BTU/hr		8760 hr/yr
EQT 0410	B9 - Boiler B9		25.1 MM BTU/hr	25.1 MM BTU/hr		8760 hr/yr
EQT 0411	B10 - Boiler B10		25.1 MM BTU/hr	25.1 MM BTU/hr		8760 hr/yr
EQT 0412	TIB1 - IB Pressurized Tank TIB1					8760 hr/yr
EQT 0413	TIB2 - IB Pressurized Tank TIB2					8760 hr/yr
EQT 0414	TIB3 - IB Pressurized Tank TIB3					8760 hr/yr
EQT 0415	TIB4 - IB Pressurized Tank TIB4					8760 hr/yr
EQT 0416	TIB5 - IB Pressurized Tank TIB5					8760 hr/yr
EQT 0417	TIBD1 - IB Pressurized Day Tank TIBD1					8760 hr/yr
EQT 0418	TAC1 - AC Pressurized Tank TAC1					8760 hr/yr
EQT 0419	TAC2 - AC Pressurized Tank TAC2					8760 hr/yr
EQT 0420	TDM1 - DM Pressurized Tank TDM1					8760 hr/yr
EQT 0421	TDM2 - DM Pressurized Tank TDM2					8760 hr/yr
EQT 0422	TCM1 - CM Pressurized Tank TCM1					8760 hr/yr
EQT 0423	TCM2 - CM Pressurized Tank TCM2					8760 hr/yr
EQT 0424	TAN1 - AN Pressurized Tank TAN1					8760 hr/yr
EQT 0425	TAN2 - AN Pressurized Tank TAN2					8760 hr/yr
EQT 0426	TAN3 - AN Pressurized Tank TAN3					8760 hr/yr
EQT 0427	TAN4 - AN Pressurized Tank TAN4					8760 hr/yr
EQT 0428	TAN5 - AN Pressurized Tank TAN5					8760 hr/yr
EQT 0429	TAN6 - AN Pressurized Tank TAN6					8760 hr/yr
EQT 0430	TAN7 - AN Pressurized Tank TAN7					8760 hr/yr
EQT 0431	TAN8 - AN Pressurized Tank TAN8					8760 hr/yr
EQT 0432	TAN9 - AN Pressurized Tank TAN9					8760 hr/yr
EQT 0433	TAN10 - AN Pressurized Tank TAN10					8760 hr/yr
EQT 0434	TAN11 - AN Pressurized Tank TAN11					8760 hr/yr
EQT 0435	TAN12 - AN Pressurized Tank TAN12					8760 hr/yr
EQT 0436	TAN13 - AN Day Storage Tank TAN13					8760 hr/yr
EQT 0437	SOLCC - Solvent Cold Cleaners SOLCC					8760 hr/yr
EQT 0438	TEG1 - Ethylene Glycol Storage Tank TEG1					8760 hr/yr

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ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Flopam Inc						
EQT 0439	TEG2 - Ethylene Glycol Storage Tank TEG2					8760 hr/yr
EQT 0440	TEG3 - Ethylene Glycol Storage Tank TEG3					8760 hr/yr
EQT 0441	TEG4 - Ethylene Glycol Storage Tank TEG4					8760 hr/yr
EQT 0442	TQM1 - Quaternized/Cationic Monomer Storage Tank TQM1					8760 hr/yr
EQT 0443	TQM2 - Quaternized/Cationic Monomer Storage Tank TQM2					8760 hr/yr
EQT 0444	TQM3 - Quaternized/Cationic Monomer Storage Tank TQM3					8760 hr/yr
EQT 0445	TQM4 - Quaternized/Cationic Monomer Storage Tank TQM4					8760 hr/yr
EQT 0446	TQM5 - Quaternized/Cationic Monomer Storage Tank TQM5					8760 hr/yr
EQT 0447	TQM6 - Quaternized/Cationic Monomer Storage Tank TQM6					8760 hr/yr
EQT 0448	TQM7 - Quaternized/Cationic Monomer Storage Tank TQM7					8760 hr/yr
EQT 0449	TQM8 - Quaternized/Cationic Monomer Storage Tank TQM8					8760 hr/yr
EQT 0450	TQM9 - Quaternized/Cationic Monomer Storage Tank TQM9					8760 hr/yr
EQT 0451	TQM10 - Quaternized/Cationic Monomer Storage Tank TQM10					8760 hr/yr
EQT 0452	TEXM1 - Process Oil Storage Tank TEXM1					8760 hr/yr
EQT 0453	TEX11 - Process Oil Storage Tank TEX11					8760 hr/yr
EQT 0454	TEX12 - Process Oil Storage Tank TEX12					8760 hr/yr
EQT 0455	TEX13 - Process Oil Storage Tank TEX13					8760 hr/yr
EQT 0456	TNH1 - Ammonium Hydroxide Pressurized Storage Tank TNH1					8760 hr/yr
EQT 0457	TNH2 - Ammonium Hydroxide Pressurized Storage Tank TNH2					8760 hr/yr
EQT 0458	TAN1 - Acrylonitrile Pressurized Storage Tank TAN1					8760 hr/yr
EQT 0459	TAN2 - Acrylonitrile Pressurized Storage Tank TAN2					8760 hr/yr
EQT 0460	TAN3 - Acrylonitrile Pressurized Storage Tank TAN3					8760 hr/yr
EQT 0461	TAN4 - Acrylonitrile Pressurized Storage Tank TAN4					8760 hr/yr
EQT 0462	TAN5 - Acrylonitrile Pressurized Storage Tank TAN5					8760 hr/yr
EQT 0463	TAN6 - Acrylonitrile Pressurized Storage Tank TAN6					8760 hr/yr
EQT 0464	TAN7 - Acrylonitrile Pressurized Storage Tank TAN7					8760 hr/yr
EQT 0465	TAN8 - Acrylonitrile Pressurized Storage Tank TAN8					8760 hr/yr
EQT 0466	TAN9 - Acrylonitrile Pressurized Storage Tank TAN9					8760 hr/yr
EQT 0467	TAN10 - Acrylonitrile Pressurized Storage Tank TAN10					8760 hr/yr
EQT 0468	TAN11 - Acrylonitrile Pressurized Storage Tank TAN11					8760 hr/yr
EQT 0469	TAN12 - Acrylonitrile Pressurized Storage Tank TAN12					8760 hr/yr
EQT 0470	TAC1 - Allyl Chloride Pressurized Storage Tank TAC1					8760 hr/yr
EQT 0471	TAC2 - Allyl Chloride Pressurized Storage Tank TAC2					8760 hr/yr
EQT 0472	TDM1 - Dimethylamine Pressurized Storage Tank TDM1					8760 hr/yr
EQT 0473	TDM2 - Dimethylamine Pressurized Storage Tank TDM2					8760 hr/yr
EQT 0474	TMC1 - Methyl Chloride Pressurized Storage Tank TMC1					8760 hr/yr

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Flopam Inc						
EQT 0475	TMC2 - Methyl Chloride Pressurized Storage Tank TMC2					8760 hr/yr
EQT 0476	TIBD1 - Isobutene Pressurized Day Storage Tank TIBD1					8760 hr/yr
EQT 0477	TIB1 - Isobutene Pressurized Storage Tank TIB1					8760 hr/yr
EQT 0478	TIB2 - Isobutene Pressurized Storage Tank TIB2					8760 hr/yr
EQT 0479	TIB3 - Isobutene Pressurized Storage Tank TIB3					8760 hr/yr
EQT 0480	TIB4 - Isobutene Pressurized Storage Tank TIB4					8760 hr/yr
EQT 0481	TIB5 - Isobutene Pressurized Storage Tank TIB5					8760 hr/yr
EQT 0482	EPEV1 - Emulsion Plant Wastewater Evaporator EPEV1					8760 hr/yr
EQT 0483	SPEV1 - Specialty Products Line Evaporator SPEV1					8760 hr/yr
EQT 0484	TWE1 - Emulsion Plant Wash Tank TWE1					8760 hr/yr
EQT 0485	TCW1 - Emulsion Plant Clear Water Tank TCW1					8760 hr/yr
EQT 0486	TMP1 - Emulsion Product Storage Tank TMP1					8760 hr/yr
EQT 0487	TMP2 - Emulsion Product Storage Tank TMP2					8760 hr/yr
EQT 0488	TMP3 - Emulsion Product Storage Tank TMP3					8760 hr/yr
EQT 0489	TMP4 - Emulsion Product Storage Tank TMP4					8760 hr/yr
EQT 0490	TMP5 - Emulsion Product Storage Tank TMP5					8760 hr/yr
EQT 0491	TMP6 - Emulsion Product Storage Tank TMP6					8760 hr/yr
EQT 0492	TMP7 - Emulsion Product Storage Tank TMP7					8760 hr/yr
EQT 0493	TMP8 - Emulsion Product Storage Tank TMP8					8760 hr/yr
EQT 0494	TMP9 - Emulsion Product Storage Tank TMP9					8760 hr/yr
EQT 0495	TMP10 - Emulsion Product Storage Tank TMP10					8760 hr/yr
EQT 0496	TMP11 - Emulsion Product Storage Tank TMP11					8760 hr/yr
EQT 0497	TMP12 - Emulsion Product Storage Tank TMP12					8760 hr/yr
EQT 0498	TMP13 - Emulsion Product Storage Tank TMP13					8760 hr/yr
EQT 0499	TMP14 - Emulsion Product Storage Tank TMP14					8760 hr/yr
EQT 0500	TMP15 - Emulsion Product Storage Tank TMP15					8760 hr/yr
EQT 0501	TMP16 - Emulsion Product Storage Tank TMP16					8760 hr/yr
EQT 0502	TMP17 - Emulsion Product Storage Tank TMP17					8760 hr/yr
EQT 0503	TMP18 - Emulsion Product Storage Tank TMP18					8760 hr/yr
EQT 0504	TMP19 - Emulsion Product Storage Tank TMP19					8760 hr/yr
EQT 0505	TMP20 - Emulsion Product Storage Tank TMP20					8760 hr/yr
EQT 0506	TMP21 - Specialty Products Line Base Storage Tank TMP21					8760 hr/yr
EQT 0507	TMP22 - Specialty Products Line Base Storage Tank TMP22					8760 hr/yr
EQT 0508	TMP23 - Specialty Products Line Base Storage Tank TMP23					8760 hr/yr
EQT 0509	TMP24 - Specialty Products Line Intermediate Product Storage Tank TMP24					8760 hr/yr
EQT 0510	TMP25 - Specialty Products Line Intermediate Product Storage Tank TMP25					8760 hr/yr
EQT 0511	TMP26 - Specialty Products Line Intermediate Product					8760 hr/yr

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INVENTORIES

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Flopam Inc						
	Storage Tank TMP26					
EQT 0512	TMP27 - Specialty Products Line Concentrated Product Storage Tank TMP27					8760 hr/yr
EQT 0513	TMP28 - Specialty Products Line Concentrated Product Storage Tank TMP28					8760 hr/yr
EQT 0514	TMP29 - Specialty Products Line Concentrated Product Storage Tank TMP29					8760 hr/yr
EQT 0515	TMP30 - Specialty Products Line Concentrated Product Storage Tank TMP30					8760 hr/yr
EQT 0516	TMP31 - Specialty Products Line Concentrated Product Storage Tank TMP31					8760 hr/yr
EQT 0517	TMP32 - Specialty Products Line Concentrated Product Storage Tank TMP32					8760 hr/yr
EQT 0518	TMP33 - Specialty Products Line Concentrated Product Storage Tank TMP33					8760 hr/yr
EQT 0519	TMP34 - Specialty Products Line Concentrated Product Storage Tank TMP34					8760 hr/yr
EQT 0520	TMP35 - PolyDADMAC Storage Tank TMP35					8760 hr/yr
EQT 0521	TMP36 - PolyDADMAC Storage Tank TMP36					8760 hr/yr
EQT 0522	TMP37 - PolyDADMAC Storage Tank TMP37					8760 hr/yr
EQT 0523	TMP38 - PolyDADMAC Storage Tank TMP38					8760 hr/yr
EQT 0524	TMP39 - PolyDADMAC Storage Tank TMP39					8760 hr/yr
EQT 0525	TMP40 - PolyDADMAC Storage Tank TMP40					8760 hr/yr
EQT 0526	TMP41 - PolyDADMAC Storage Tank TMP41					8760 hr/yr
EQT 0527	TMP42 - PolyDADMAC Storage Tank TMP42					8760 hr/yr
EQT 0528	TMP43 - DADMAC Monomer Storage Tank TMP43					8760 hr/yr
EQT 0529	TMP44 - DADMAC Monomer Storage Tank TMP44					8760 hr/yr
EQT 0530	TMP45 - DADMAC Monomer Storage Tank TMP45					8760 hr/yr
EQT 0531	TMP46 - DADMAC Monomer Storage Tank TMP46					8760 hr/yr
EQT 0532	TMP47 - DADMAC Polymer Rerun Tank TMP47					8760 hr/yr
EQT 0533	TMP48 - DADMAC Polymer Blend Tank TMP48					8760 hr/yr
EQT 0534	TMP49 - DADMAC Polymer Blend Tank TMP49					8760 hr/yr
EQT 0535	TMP50 - DADMAC Polymer Blend Tank TMP50					8760 hr/yr
EQT 0536	TMP51 - DADMAC Monomer Blend Tank TMP51					8760 hr/yr
EQT 0537	TMP52 - DADMAC Monomer Blend Tank TMP52					8760 hr/yr
EQT 0538	TMP53 - DADMAC Monomer Blend Tank TMP53					8760 hr/yr
EQT 0539	TMP54 - Polyamine Product Storage Tank TMP54					8760 hr/yr
EQT 0540	TMP55 - Polyamine Product Storage Tank TMP55					8760 hr/yr
EQT 0541	TMP56 - Polyamine Product Storage Tank TMP56					8760 hr/yr
EQT 0542	TMP57 - Polyamine Product Storage Tank TMP57					8760 hr/yr
EQT 0543	TMP58 - Polyamine Product Storage Tank TMP58					8760 hr/yr

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Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Flopam Inc						
EQT 0544	TMP59 - Polyamine Product Storage Tank TMP59					8760 hr/yr
EQT 0545	TMP60 - Polyamine Product Storage Tank TMP60					8760 hr/yr
EQT 0546	TMP61 - Polyamine Product Storage Tank TMP61					8760 hr/yr
EQT 0547	TMP62 - Polyamine Product Rerun Tank TMP62					8760 hr/yr
EQT 0548	TADA1 - ADAM Product Storage Tank TADA1					8760 hr/yr
EQT 0549	TADA2 - ADAM Product Storage Tank TADA2					8760 hr/yr
EQT 0550	TADA3 - ADAM Product Storage Tank TADA3					8760 hr/yr
EQT 0551	TADA4 - ADAM Product Storage Tank TADA4					8760 hr/yr
EQT 0552	TSW1 - Polysodium Acrylate Storage Tank TSW1					8760 hr/yr
EQT 0553	TWW1 - ADAM Plant Washwater Tank TWW1					8760 hr/yr
EQT 0554	TCHK1 - ADAM Product Check Tank TCHK1					8760 hr/yr
EQT 0555	TCHK2 - ADAM Product Check Tank TCHK2					8760 hr/yr
EQT 0556	TRS1 - ADAM Plant Catalyst Residue Tank TRS1					8760 hr/yr
EQT 0557	TCWW2 - ATBS Water/Salt Storage Tank TWW2					8760 hr/yr
EQT 0558	TAPS1 - APS Storage Tank TAPS1					8760 hr/yr
EQT 0559	TSBS1 - SBS Storage Tank TSBS1					8760 hr/yr
EQT 0560	TNHA1 - Ammonium Adipate Storage Tank TNHA1					8760 hr/yr
EQT 0561	TBIO1 - Biocide Storage Tank TBIO1					8760 hr/yr
EQT 0562	TDCW1 - DADMAC Recycle Water Tank TDCW1					8760 hr/yr
EQT 0563	TAMC1 - Acrylamide Catalyst Storage Tank TAMC1					8760 hr/yr
EQT 0564	TAMC2 - Acrylamide Catalyst Storage Tank TAMC2					8760 hr/yr
EQT 0565	TAMC3 - Acrylamide Catalyst Storage Tank TAMC3					8760 hr/yr
EQT 0566	TAMC4 - Acrylamide Catalyst Storage Tank TAMC4					8760 hr/yr
EQT 0567	TAMC5 - Acrylamide Catalyst Storage Tank TAMC5					8760 hr/yr
EQT 0568	TWWA1 - Acrylamide Washwater Tank TWWA1					8760 hr/yr
EQT 0569	TAMCP1 - Acrylamide Catalyst Prep Tank TAMCP1					8760 hr/yr
EQT 0570	TAMCP2 - Acrylamide Catalyst Prep Tank TAMCP2					8760 hr/yr
EQT 0571	TAMCP3 - Acrylamide Catalyst Prep Tank TAMCP3					8760 hr/yr
EQT 0572	TAMCP4 - Acrylamide Catalyst Prep Tank TAMCP4					8760 hr/yr
EQT 0573	TAMCP5 - Acrylamide Catalyst Prep Tank TAMCP5					8760 hr/yr
EQT 0574	TAMFC1 - Acrylamide Filtered Catalyst Tank TAMFC1					8760 hr/yr
EQT 0575	TAMFC2 - Acrylamide Filtered Catalyst Tank TAMFC2					8760 hr/yr
EQT 0576	TAMFC3 - Acrylamide Filtered Catalyst Tank TAMFC3					8760 hr/yr
EQT 0577	TAMFC4 - Acrylamide Filtered Catalyst Tank TAMFC4					8760 hr/yr
EQT 0578	TAMFC5 - Acrylamide Filtered Catalyst Tank TAMFC5					8760 hr/yr
EQT 0579	TMX1 - Emulsion Plant Mix Tank TMX1					8760 hr/yr
EQT 0580	TMX2 - Emulsion Plant Mix Tank TMX2					8760 hr/yr
EQT 0581	TMX3 - Emulsion Plant Mix Tank TMX3					8760 hr/yr
EQT 0582	TMX4 - Emulsion Plant Mix Tank TMX4					8760 hr/yr

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Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Flopam Inc						
EQT 0583	TMX5 - Emulsion Plant Mix Tank TMX5					8760 hr/yr
EQT 0584	TMX6 - Emulsion Plant Mix Tank TMX6					8760 hr/yr
EQT 0585	DADPR1 - PolyDADMAC Reactor DADPR1					8760 hr/yr
EQT 0586	DADPR2 - PolyDADMAC Reactor DADPR2					8760 hr/yr
EQT 0587	DADPR3 - PolyDADMAC Reactor DADPR3					8760 hr/yr
EQT 0588	DADPR4 - PolyDADMAC Reactor DADPR4					8760 hr/yr
FUG 0001	FUG - Sitewide Fugitive Emissions					8760 hr/yr
FUG 0002	ROAD - Roadway Fugitive Emissions					8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Flopam Inc							
EQT 0041	SC-AMT1 - Acrylamide Plant AML1- Day Tanks Scrubber SC-AMT1	7.81	40.1	.33		21	80
EQT 0042	SC-AMT2 - Acrylamide Plant AML2- Day Tanks Scrubber SC-AMT2	7.81	40.1	.33		21	80
EQT 0043	SC-AMT3 - Acrylamide Plant AML3- Day Tanks Scrubber SC-AMT3	7.81	40.1	.33		21	80
EQT 0044	SC-AMT4 - Acrylamide Plant AML4- Day Tanks Scrubber SC-AMT4	7.81	40.1	.33		21	80
EQT 0045	SC-AMT5 - Acrylamide Plant AML5- Day Tanks Scrubber SC-AMT5	7.81	40.1	.33		21	80
EQT 0046	SC-AM1 - Acrylamide Plant AML1- Reactors / Scrubber SC-AM1	19.5	100	.33		21	92
EQT 0047	SC-AM2 - Acrylamide Plant AML2- Reactors / Scrubber SC-AM2	19.5	100	.33		21	92
EQT 0048	SC-AM3 - Acrylamide Plant AML3- Reactors / Scrubber SC-AM3	19.5	100	.33		21	92
EQT 0049	SC-AM4 - Acrylamide Plant AML4- Reactors / Scrubber SC-AM4	19.5	100	.33		21	92
EQT 0050	SC-AM5 - Acrylamide Plant AML5- Reactors / Scrubber SC-AM5	19.5	100	.33		21	92
EQT 0051	SC-AMST1 - Acrylamide Plant - Acrylamide Storage Tanks Scrubber SC-AMST1	7.81	40.1	.33		21	80
EQT 0302	POPKG1 - Powder Plant - Packaging Area 1 - Dust Collector POPKG1	.01	1.67	3.28		26.9	77
EQT 0303	POPKG2 - Powder Plant - Packaging Area 2 - Dust Collector POPKG2	.01	1.67	3.28		26.9	77
EQT 0304	POTTBH - Powder Plant - Truck Loading Area - Dust Collector POTTBH	.01	1.67	3.28		16	77
EQT 0305	POTTBV1 - Powder Plant - Truck Loading Area Silo - Dust Collector POTTBV1	.01	1.67	3.28		30	77
EQT 0306	POTTBV2 - Powder Plant - Truck Loading Area Silo - Dust Collector POTTBV2	.01	1.67	3.28		30	77
EQT 0307	PORCBH - Powder Plant - Railcar Loading Area - Dust Collector PORCBH	.01	1.67	3.28		20	77
EQT 0308	PORCBV1 - Powder Plant - Railcar Loading Area Silo - Dust Collector PORCBV1	.01	1.67	3.28		30	77
EQT 0309	PORCBV2 - Powder Plant - Railcar Loading Area Silo - Dust Collector PORCBV2	.01	1.67	3.28		30	77

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Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Flopam Inc							
EQT 0310	PORCBV3 - Powder Plant - Railcar Loading Area Silo - Dust Collector PORCBV3	.01	1.67	3.28		30	77
EQT 0311	PORCBV4 - Powder Plant - Railcar Loading Area Silo - Dust Collector PORCBV4	.01	1.67	3.28		30	77
EQT 0312	TAA1 - Main Acrylic Acid Storage Tank TAA1	22.7	66.8	.25		28	80
EQT 0313	TAA2 - Main Acrylic Acid Storage Tank TAA2	22.7	66.8	.25		28	80
EQT 0314	TAA3 - Main Acrylic Acid Storage Tank TAA3	22.7	66.8	.25		28	80
EQT 0315	TAA4 - Main Acrylic Acid Storage Tank TAA4	22.7	66.8	.25		28	80
EQT 0341	SCEM1 - Emulsion Plant Line 1-2 Scrubber SCEM1	27.6	1249	.98		33	89
EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1	27.2	80	.25		33	90
EQT 0344	SPR1 - Specialty Product Line 1 - Base Reactor SPR1	27.16	80	.25		30	100
EQT 0345	SC-SP1 - Specialty Product Line 1 Reaction & Neutralization Tank / Scrubber SC-SP1	27.16	80	.25		30	90
EQT 0346	SC-SP2 - Specialty Product Line 2 Reaction & Neutralization Tank / Scrubber SC-SP2	27.16	80	.25		30	100
EQT 0347	TAD22 - Specialty Product - Acrylamide Day Tank TAD22	22.7	66.8	.25		19	80
EQT 0355	SC-DAD1 - DADMAC Plant - Thermal Oxidizer Vent Scrubber SC-DAD1	40.8	4326	1.5		40	174
EQT 0358	SC-PA1 - Polyamine Plant - Reactor Vent Scrubber SC-PA1	17	50	.25		22	105
EQT 0359	TEP1 - Epichlorohydrin Tank TEP1	.01	.01	.25		37	80
EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1	18.6	6238	2.67		40	1435
EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back-up)	18.6	6238	2.67		40	1435
EQT 0374	TALC1 - ADAM Plant - Alcohol Co-Product Tank TALC1	.01	.01	.25		37	80
EQT 0375	TALC2 - ADAM Plant - Alcohol Co-Product Tank TALC2	.01	.01	.25		37	80
EQT 0376	THX1 - ADAM Plant - Hexane Storage Tank THX1	.01	.01	.17		17	80
EQT 0377	TRA1 - ADAM Plant - Dimethylaminoethanol Tank TRA1	.9	2.64	.25		33	80
EQT 0378	TRA2 - ADAM Plant - Dimethylaminoethanol Tank TRA2	.9	2.64	.25		33	80
EQT 0381	SC-HC1 - HCl Storage Tank Vent Scrubber SC-HC1	22.7	66.8	.25		35	80
EQT 0384	SC-CM1 - Chloromethylation Plant - Thermal Oxidizer Vent Scrubber SC-CM1	6.45	1900	2.5		40	135
EQT 0401	SC-LM1 - ATBS Plant - Oleum Tank Vent Scrubber SC-LM1	.01	.01	.25		47	77
EQT 0402	B1 - Boiler B1	36.1	9230	2.33		35	442
EQT 0403	B2 - Boiler B2	36.1	9230	2.33		35	442
EQT 0404	B3 - Boiler B3	36.1	9230	2.33		35	442
EQT 0405	B4 - Boiler B4	36.1	9230	2.33		35	442
EQT 0406	B5 - Boiler B5	36.1	9230	2.33		35	442

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Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Flopam Inc							
EQT 0407	B6 - Boiler B6	36.1	9230	2.33		35	442
EQT 0408	B7 - Boiler B7	36.1	9230	2.33		35	442
EQT 0409	B8 - Boiler B8	36.1	9230	2.33		35	442
EQT 0410	B9 - Boiler B9	36.1	9230	2.33		35	442
EQT 0411	B10 - Boiler B10	36.1	9230	2.33		35	442
GRP 0001	PO01 - Powder Plant 1 - Process Sources	82.02	90169	4.83		80	100
GRP 0002	PO02 - Powder Plant 2 - Process Sources	82.02	90169	4.83		80	100
GRP 0003	PO03 - Powder Plant 3 - Process Sources	82.02	90169	4.83		80	100
GRP 0004	PO04 - Powder Plant 4 - Process Sources	82.02	90169	4.83		80	100
GRP 0005	PO05 - Powder Plant 5 - Process Sources	82.02	90169	4.83		80	100
GRP 0006	PO06 - Powder Plant 6 - Process Sources	82.02	90169	4.83		80	100
GRP 0007	PO07 - Powder Plant 7 - Process Sources	82.02	90169	4.83		80	100
GRP 0008	PO08 - Powder Plant 8 - Process Sources	82.02	90169	4.83		80	100
GRP 0009	PO09 - Powder Plant 9 - Process Sources	82.02	90169	4.83		80	100
GRP 0010	PO10 - Powder Plant 10 - Process Sources	82.02	90169	4.83		80	100
GRP 0011	POB01A - Powder Plant 1 - Screening, Bagging, Packaging	67.9	800	.5		43	77
GRP 0012	POB02A - Powder Plant 2 - Screening, Bagging, Packaging	67.9	800	.5		43	77
GRP 0013	POB03A - Powder Plant 3 - Screening, Bagging, Packaging	67.9	800	.5		43	77
GRP 0014	POB04A - Powder Plant 4 - Screening, Bagging, Packaging	67.9	800	.5		43	77
GRP 0015	POB05A - Powder Plant 5 - Screening, Bagging, Packaging	67.9	800	.5		43	77
GRP 0016	POB06A - Powder Plant 6 - Screening, Bagging, Packaging	67.9	800	.5		43	77
GRP 0017	POB07A - Powder Plant 7 - Screening, Bagging, Packaging	67.9	800	.5		43	77
GRP 0018	POB08A - Powder Plant 8 - Screening, Bagging, Packaging	67.9	800	.5		43	77
GRP 0019	POB09A - Powder Plant 9 - Screening, Bagging, Packaging	67.9	800	.5		43	77
GRP 0020	POB10A - Powder Plant 10 - Screening, Bagging, Packaging	67.9	800	.5		43	77
GRP 0021	POB01B - Powder Plant 1 - Final Product Handling	.01	1.67	3.28		26.9	77
GRP 0022	POB02B - Powder Plant 2 - Final Product Handling	.01	1.67	3.28		26.9	77
GRP 0023	POB03B - Powder Plant 3 - Final Product Handling	.01	1.67	3.28		26.9	77
GRP 0024	POB04B - Powder Plant 4 - Final Product Handling	.01	1.67	3.28		26.9	77
GRP 0025	POB05B - Powder Plant 5 - Final Product Handling	.01	1.67	3.28		26.9	77
GRP 0026	POB06B - Powder Plant 6 - Final Product Handling	.01	1.67	3.28		26.9	77
GRP 0027	POB07B - Powder Plant 7 - Final Product Handling	.01	1.67	3.28		26.9	77

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Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Flopam Inc							
GRP 0028	POB08B - Powder Plant 8 - Final Product Handling	.01	1.67	3.28		26.9	77
GRP 0029	POB09B - Powder Plant 9 - Final Product Handling	.01	1.67	3.28		26.9	77
GRP 0030	POB10B - Powder Plant 10 - Final Product Handling	.01	1.67	3.28		26.9	77
GRP 0031	ATB1 - ATBS Plant - Bagging Areas Operations	.01	1.67	3.28		26.9	77

Relationships:

ID	Description	Relationship	ID	Description
EQT 0011	TAD1 - Acrylamide Plant - Acrylamide Day Tank TAD1	Controlled by	EQT 0041	SC-AMT1 - Acrylamide Plant AML1- Day Tanks Scrubber SC-AMT1
EQT 0012	TAD2 - Acrylamide Plant - Acrylamide Day Tank TAD2	Controlled by	EQT 0041	SC-AMT1 - Acrylamide Plant AML1- Day Tanks Scrubber SC-AMT1
EQT 0013	TAD3 - Acrylamide Plant - Acrylamide Day Tank TAD3	Controlled by	EQT 0041	SC-AMT1 - Acrylamide Plant AML1- Day Tanks Scrubber SC-AMT1
EQT 0014	TAD4 - Acrylamide Plant - Acrylamide Day Tank TAD4	Controlled by	EQT 0042	SC-AMT2 - Acrylamide Plant AML2- Day Tanks Scrubber SC-AMT2
EQT 0015	TAD5 - Acrylamide Plant - Acrylamide Day Tank TAD5	Controlled by	EQT 0042	SC-AMT2 - Acrylamide Plant AML2- Day Tanks Scrubber SC-AMT2
EQT 0016	TAD6 - Acrylamide Plant - Acrylamide Day Tank TAD6	Controlled by	EQT 0042	SC-AMT2 - Acrylamide Plant AML2- Day Tanks Scrubber SC-AMT2
EQT 0017	TAD7 - Acrylamide Plant - Acrylamide Day Tank TAD7	Controlled by	EQT 0043	SC-AMT3 - Acrylamide Plant AML3- Day Tanks Scrubber SC-AMT3
EQT 0018	TAD8 - Acrylamide Plant - Acrylamide Day Tank TAD8	Controlled by	EQT 0043	SC-AMT3 - Acrylamide Plant AML3- Day Tanks Scrubber SC-AMT3
EQT 0019	TAD9 - Acrylamide Plant - Acrylamide Day Tank TAD9	Controlled by	EQT 0043	SC-AMT3 - Acrylamide Plant AML3- Day Tanks Scrubber SC-AMT3
EQT 0020	TAD10 - Acrylamide Plant - Acrylamide Day Tank TAD10	Controlled by	EQT 0044	SC-AMT4 - Acrylamide Plant AML4- Day Tanks Scrubber SC-AMT4
EQT 0021	TAD11 - Acrylamide Plant - Acrylamide Day Tank TAD11	Controlled by	EQT 0044	SC-AMT4 - Acrylamide Plant AML4- Day Tanks Scrubber SC-AMT4
EQT 0022	TAD12 - Acrylamide Plant - Acrylamide Day Tank TAD12	Controlled by	EQT 0044	SC-AMT4 - Acrylamide Plant AML4- Day Tanks Scrubber SC-AMT4
EQT 0023	TAD13 - Acrylamide Plant - Acrylamide Day Tank TAD13	Controlled by	EQT 0045	SC-AMT5 - Acrylamide Plant AML5- Day Tanks Scrubber SC-AMT5
EQT 0024	TAD14 - Acrylamide Plant - Acrylamide Day Tank TAD14	Controlled by	EQT 0045	SC-AMT5 - Acrylamide Plant AML5- Day Tanks Scrubber SC-AMT5
EQT 0025	TAD15 - Acrylamide Plant - Acrylamide Day Tank TAD15	Controlled by	EQT 0045	SC-AMT5 - Acrylamide Plant AML5- Day Tanks Scrubber SC-AMT5
EQT 0026	TAM1 Acrylamide Plant - Acrylamide Storage Tank TAM1	Controlled by	EQT 0051	SC-AMST1 - Acrylamide Plant - Acrylamide Storage Tanks Scrubber SC-AMST1
EQT 0027	TAM2 - Acrylamide Plant - Acrylamide Storage Tank TAM2	Controlled by	EQT 0051	SC-AMST1 - Acrylamide Plant - Acrylamide Storage Tanks Scrubber SC-AMST1
EQT 0028	TAM3 - Acrylamide Plant - Acrylamide Storage Tank TAM3	Controlled by	EQT 0051	SC-AMST1 - Acrylamide Plant - Acrylamide Storage Tanks Scrubber SC-AMST1

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Relationships:

ID	Description	Relationship	ID	Description
EQT 0029	TAM4 - Acrylamide Plant - Acrylamide Storage Tank TAM4	Controlled by	EQT 0051	SC-AMST1 - Acrylamide Plant - Acrylamide Storage Tanks Scrubber SC-AMST1
EQT 0030	TAM5 - Acrylamide Plant - Acrylamide Storage Tank TAM5	Controlled by	EQT 0051	SC-AMST1 - Acrylamide Plant - Acrylamide Storage Tanks Scrubber SC-AMST1
EQT 0031	TAM6 - Acrylamide Plant - Acrylamide Storage Tank TAM6	Controlled by	EQT 0051	SC-AMST1 - Acrylamide Plant - Acrylamide Storage Tanks Scrubber SC-AMST1
EQT 0032	TAM7 - Acrylamide Plant - Acrylamide Storage Tank TAM7	Controlled by	EQT 0051	SC-AMST1 - Acrylamide Plant - Acrylamide Storage Tanks Scrubber SC-AMST1
EQT 0033	TAM8 - Acrylamide Plant - Acrylamide Storage Tank TAM8	Controlled by	EQT 0051	SC-AMST1 - Acrylamide Plant - Acrylamide Storage Tanks Scrubber SC-AMST1
EQT 0034	TAM9 - Acrylamide Plant - Acrylamide Storage Tank TAM9	Controlled by	EQT 0051	SC-AMST1 - Acrylamide Plant - Acrylamide Storage Tanks Scrubber SC-AMST1
EQT 0035	TAM10 - Acrylamide Plant - Acrylamide Storage Tank TAM10	Controlled by	EQT 0051	SC-AMST1 - Acrylamide Plant - Acrylamide Storage Tanks Scrubber SC-AMST1
EQT 0036	AMC1 - Acrylamide Plant AML1 - Equipment Downstream of Reactors Handling Acrylamide	Controlled by	EQT 0041	SC-AMT1 - Acrylamide Plant AML1- Day Tanks Scrubber SC-AMT1
EQT 0037	AMC2 - Acrylamide Plant AML2 - Equipment Downstream of Reactors Handling Acrylamide	Controlled by	EQT 0042	SC-AMT2 - Acrylamide Plant AML2- Day Tanks Scrubber SC-AMT2
EQT 0038	AMC3 - Acrylamide Plant AML3 - Equipment Downstream of Reactors Handling Acrylamide	Controlled by	EQT 0043	SC-AMT3 - Acrylamide Plant AML3- Day Tanks Scrubber SC-AMT3
EQT 0039	AMC4 - Acrylamide Plant AML4 - Equipment Downstream of Reactors Handling Acrylamide	Controlled by	EQT 0044	SC-AMT4 - Acrylamide Plant AML4- Day Tanks Scrubber SC-AMT4
EQT 0040	AMC5 - Acrylamide Plant AML5 - Equipment Downstream of Reactors Handling Acrylamide	Controlled by	EQT 0045	SC-AMT5 - Acrylamide Plant AML5- Day Tanks Scrubber SC-AMT5
EQT 0321	EMD01 - Emulsion Plant Line 1 - Dissolution Tank EMD01	Controlled by	EQT 0341	SCEM1 - Emulsion Plant Line 1-2 Scrubber SCEM1
EQT 0322	EMD02 - Emulsion Plant Line 2 - Dissolution Tank EMD02	Controlled by	EQT 0341	SCEM1 - Emulsion Plant Line 1-2 Scrubber SCEM1
EQT 0323	EMD03 - Emulsion Plant Line 3 - Dissolution Tank EMD03	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0324	EMD04 - Emulsion Plant Line 4 - Dissolution Tank EMD04	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0325	EMD05 - Emulsion Plant Line 5 - Dissolution Tank EMD05	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0326	EMD06 - Emulsion Plant Line 6 - Dissolution Tank EMD06	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0327	EMD07 - Emulsion Plant Line 7 - Dissolution Tank EMD07	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0328	EMD08 - Emulsion Plant Line 8 - Dissolution Tank EMD08	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0329	EMD09 - Emulsion Plant Line 9 - Dissolution Tank EMD09	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0330	EMD10 - Emulsion Plant Line 10 - Dissolution Tank EMD10	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0331	EMR01 - Emulsion Plant Line 1 - Reactor EMR01	Controlled by	EQT 0341	SCEM1 - Emulsion Plant Line 1-2 Scrubber SCEM1
EQT 0332	EMR02 - Emulsion Plant Line 2 - Reactor EMR02	Controlled by	EQT 0341	SCEM1 - Emulsion Plant Line 1-2 Scrubber SCEM1
EQT 0333	EMR03 - Emulsion Plant Line 3 - Reactor EMR03	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1

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Relationships:

ID	Description	Relationship	ID	Description
EQT 0334	EMR04 - Emulsion Plant Line 4 - Reactor EMR04	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0335	EMR05 - Emulsion Plant Line 5 - Reactor EMR05	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0336	EMR06 - Emulsion Plant Line 6 - Reactor EMR06	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0337	EMR07 - Emulsion Plant Line 7 - Reactor EMR07	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0338	EMR08 - Emulsion Plant Line 8 - Reactor EMR08	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0339	EMR09 - Emulsion Plant Line 9 - Reactor EMR09	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0340	EMR10 - Emulsion Plant Line 10 - Reactor EMR10	Vents to	EQT 0342	EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1
EQT 0348	DADR - DADMAC Plant - Monomer Reactors DADR	Controlled by	EQT 0354	TO-DAD1 - DADMAC Plant - Thermal Oxidizer TO-DAD1
EQT 0349	DADORG - DADMAC Plant - Organic Receiver DADORG	Controlled by	EQT 0354	TO-DAD1 - DADMAC Plant - Thermal Oxidizer TO-DAD1
EQT 0350	DADLL - DADMAC Plant - Liquid/Liquid Separator DADLL	Controlled by	EQT 0354	TO-DAD1 - DADMAC Plant - Thermal Oxidizer TO-DAD1
EQT 0351	DADOH - DADMAC Plant - Allyl Alcohol Receivers DADOH	Controlled by	EQT 0354	TO-DAD1 - DADMAC Plant - Thermal Oxidizer TO-DAD1
EQT 0352	TAOH-1 - DADMAC Plant - Allyl Alcohol Storage Tank TAOH-1	Controlled by	EQT 0354	TO-DAD1 - DADMAC Plant - Thermal Oxidizer TO DAD1
EQT 0353	DADDC - DADMAC Plant - Allyl Alcohol Distillation Column DADDC	Controlled by	EQT 0354	TO-DAD1 - DADMAC Plant - Thermal Oxidizer TO-DAD1
EQT 0354	TO-DAD1 - DADMAC Plant - Thermal Oxidizer TO-DAD1	Controlled by	EQT 0355	SC-DAD1 - DADMAC Plant - Thermal Oxidizer Vent Scrubber SC-DAD1
EQT 0356	PA-1 - Polyamine Plant - Reactor PA-1	Controlled by	EQT 0358	SC-PA1 - Polyamine Plant - Reactor Vent Scrubber SC-PA1
EQT 0357	PA 2 - Polyamine Plant - Reactor PA-2	Controlled by	EQT 0358	SC-PA1 - Polyamine Plant - Reactor Vent Scrubber SC-PA1
EQT 0360	TAE1 - ADAM Plant - Acrylate Ester Storage Tank TAE1	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1
EQT 0360	TAE1 - ADAM Plant - Acrylate Ester Storage Tank TAE1	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO AD2 (Back-up)
EQT 0361	TAE2 - ADAM Plant - Acrylate Ester Storage Tank TAE2	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1
EQT 0361	TAE2 - ADAM Plant - Acrylate Ester Storage Tank TAE2	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back-up)
EQT 0362	AD-R1 - ADAM Plant - Transesterification Reactor/Column R1	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1
EQT 0362	AD-R1 - ADAM Plant - Transesterification Reactor/Column R1	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back-up)
EQT 0363	AD-R2 - ADAM Plant - Transesterification Reactor/Column R2	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1
EQT 0363	AD-R2 - ADAM Plant - Transesterification Reactor/Column R2	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back-up)
EQT 0364	AD-DOH1 - ADAM Plant - Saponification Reactor/Column DOH1	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1
EQT 0364	AD-DOH1 - ADAM Plant - Saponification Reactor/Column DOH1	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back-up)
EQT 0365	AD-D1 - ADAM Plant - Product Distillation AD-D1	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1
EQT 0365	AD-D1 - ADAM Plant - Product Distillation AD-D1	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO AD2 (Back-up)
EQT 0366	TD1 - ADAM Plant - Recycle Reactant Tank TD1	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1
EQT 0366	TD1 - ADAM Plant - Recycle Reactant Tank TD1	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO AD2 (Back-up)
EQT 0367	TAZ1 - ADAM Plant - Azeotrope Tank TAZ1	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1
EQT 0367	TAZ1 - ADAM Plant - Azeotrope Tank TAZ1	Controlled by	EQT 0373	TO AD2 - ADAM/ATBS Plant Thermal Oxidizer TO AD2 (Back-up)

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ID	Description	Relationship	ID	Description
EQT 0368	TCE1 - ADAM Plant - Crude Ester Tank TCE1	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO AD1
EQT 0368	TCE1 - ADAM Plant - Crude Ester Tank TCE1	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back up)
EQT 0369	AT-MR1 - ATBS Plant - Mixing/Reactors AT-MR1	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO AD1
EQT 0369	AT-MR1 - ATBS Plant - Mixing/Reactors AT-MR1	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back up)
EQT 0370	AT-AR1 - ATBS Plant - Acrylonitrile Recovery AT-AR1	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO AD1
EQT 0370	AT-AR1 - ATBS Plant - Acrylonitrile Recovery AT-AR1	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back up)
EQT 0371	AT-DRY1 - ATBS Plant - Dryer AT-DRY1	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO AD1
EQT 0371	AT-DRY1 ATBS Plant - Dryer AT-DRY1	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back up)
EQT 0379	THC1 - Hydrochloric Acid Storage Tank THC1	Controlled by	EQT 0381	SC-HC1 - HCl Storage Tank Vent Scrubber SC-HC1
EQT 0380	THC2 - Hydrochloric Acid Storage Tank THC2	Controlled by	EQT 0381	SC-HC1 - HCl Storage Tank Vent Scrubber SC-HC1
EQT 0382	CM1 - Chloromethylation Plant - Reactors CM1	Controlled by	EQT 0383	TO-CM1 - Chloromethylation Plant - Thermal Oxidizer TO-CM1
EQT 0383	TO-CM1 - Chloromethylation Plant - Thermal Oxidizer TO-CM1	Controlled by	EQT 0384	SC-CM1 - Chloromethylation Plant - Thermal Oxidizer Vent Scrubber SC-CM1
EQT 0397	TLM1 - ATBS Plant - Oleum Storage Tank TLM1	Controlled by	EQT 0401	SC-LM1 - ATBS Plant Oleum Tank Vent Scrubber SC-LM1
EQT 0398	TLM2 - ATBS Plant - Oleum Storage Tank TLM2	Controlled by	EQT 0401	SC-LM1 - ATBS Plant - Oleum Tank Vent Scrubber SC-LM1
EQT 0399	TLM3 - ATBS Plant - Oleum Storage Tank TLM3	Controlled by	EQT 0401	SC-LM1 - ATBS Plant - Oleum Tank Vent Scrubber SC-LM1
EQT 0400	TLMD1 - ATBS Plant - Oleum Day Tank TLMD1	Controlled by	EQT 0401	SC-LM1 - ATBS Plant - Oleum Tank Vent Scrubber SC-LM1
EQT 0436	TAN13 - AN Day Storage Tank TAN13	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO AD1
EQT 0436	TAN13 - AN Day Storage Tank TAN13	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back up)
EQT 0482	EPEV1 - Emulsion Plant Wastewater Evaporator EPEV1	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1
EQT 0482	EPEV1 - Emulsion Plant Wastewater Evaporator EPEV1	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back up)
EQT 0483	SPEV1 - Specialty Products Line Evaporator SPEV1	Controlled by	EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1
EQT 0483	SPEV1 - Specialty Products Line Evaporator SPEV1	Controlled by	EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back up)

Subject Item Groups:

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	TANKS1 - Common Requirements for Tanks
CRG 0002	Common Requirements Group	SCRS - Common Requirements for Scrubbers
CRG 0003	Common Requirements Group	ADTO - Common Requirements for ADAM/ATBS Plant Thermal Oxidizers
CRG 0004	Common Requirements Group	POWDER - Common Requirements for Powder Plant Process Sources
CRG 0005	Common Requirements Group	DFILTERS - Common Requirements for Dust Filters
CRG 0006	Common Requirements Group	TANKS2 - Common Requirements for MON1 Tanks
CRG 0007	Common Requirements Group	DRYERS - Common Requirements for Powder Plant Dryers
CRG 0008	Common Requirements Group	TANKS3 - Common Requirements for Pressurized Tanks
CRG 0009	Common Requirements Group	TANKS4 - Common Requirements for Acrylamide Storage Tanks
CRG 0010	Common Requirements Group	NOCVOC - Common Requirements for No VOC Control

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ID	Group Type	Group Description
CRG 0011	Common Requirements Group	VOCTOTO - Common Requirements for VOC to TO
CRG 0012	Common Requirements Group	TANKS5 - Common Requirements for Insulated Tanks
CRG 0013	Common Requirements Group	VENTSTOSC - Common Requirements for Vents to Scrubbers
GRP 0001	Equipment Group	PO01 - Powder Plant 1 - Process Sources
GRP 0002	Equipment Group	PO02 - Powder Plant 2 - Process Sources
GRP 0003	Equipment Group	PO03 - Powder Plant 3 - Process Sources
GRP 0004	Equipment Group	PO04 - Powder Plant 4 - Process Sources
GRP 0005	Equipment Group	PO05 - Powder Plant 5 - Process Sources
GRP 0006	Equipment Group	PO06 - Powder Plant 6 - Process Sources
GRP 0007	Equipment Group	PO07 - Powder Plant 7 - Process Sources
GRP 0008	Equipment Group	PO08 - Powder Plant 8 - Process Sources
GRP 0009	Equipment Group	PO09 - Powder Plant 9 - Process Sources
GRP 0010	Equipment Group	PO10 - Powder Plant 10 - Process Sources
GRP 0011	Equipment Group	POB01A - Powder Plant 1 - Screening, Bagging, Packaging
GRP 0012	Equipment Group	POB02A - Powder Plant 2 - Screening, Bagging, Packaging
GRP 0013	Equipment Group	POB03A - Powder Plant 3 - Screening, Bagging, Packaging
GRP 0014	Equipment Group	POB04A - Powder Plant 4 - Screening, Bagging, Packaging
GRP 0015	Equipment Group	POB05A - Powder Plant 5 - Screening, Bagging, Packaging
GRP 0016	Equipment Group	POB06A - Powder Plant 6 - Screening, Bagging, Packaging
GRP 0017	Equipment Group	POB07A - Powder Plant 7 - Screening, Bagging, Packaging
GRP 0018	Equipment Group	POB08A - Powder Plant 8 - Screening, Bagging, Packaging
GRP 0019	Equipment Group	POB09A - Powder Plant 9 - Screening, Bagging, Packaging
GRP 0020	Equipment Group	POB10A - Powder Plant 10 - Screening, Bagging, Packaging
GRP 0021	Equipment Group	POB01B - Powder Plant 1 - Final Product Handling
GRP 0022	Equipment Group	POB02B - Powder Plant 2 - Final Product Handling
GRP 0023	Equipment Group	POB03B - Powder Plant 3 - Final Product Handling
GRP 0024	Equipment Group	POB04B - Powder Plant 4 - Final Product Handling
GRP 0025	Equipment Group	POB05B - Powder Plant 5 - Final Product Handling
GRP 0026	Equipment Group	POB06B - Powder Plant 6 - Final Product Handling
GRP 0027	Equipment Group	POB07B - Powder Plant 7 - Final Product Handling
GRP 0028	Equipment Group	POB08B - Powder Plant 8 - Final Product Handling
GRP 0029	Equipment Group	POB09B - Powder Plant 9 - Final Product Handling
GRP 0030	Equipment Group	POB10B - Powder Plant 10 - Final Product Handling
GRP 0031	Equipment Group	ATB1 - ATBS Plant - Bagging Areas Operations
GRP 0032	Equipment Group	BOILERS - Boilers Group and Common Requirements
UNF 0001	Unit or Facility Wide	AI166443 - Flopam Inc

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Group Membership:

ID	Description	Member of Groups
EQT 0001	TNA1 - Sodium Acrylate Prep Tank TNA1	CRG0000000010
EQT 0002	TNA2 - Sodium Acrylate Prep Tank TNA2	CRG0000000010
EQT 0003	TNA3 - Sodium Acrylate Prep Tank TNA3	CRG0000000010
EQT 0004	TNA4 - Sodium Acrylate Prep Tank TNA4	CRG0000000010
EQT 0005	TNA5 - Sodium Acrylate Prep Tank TNA5	CRG0000000010
EQT 0006	TAA5 - Acrylamide Plant - Acrylic Acid Storage Tank TAA5	CRG0000000012
EQT 0007	TAA6 - Acrylamide Plant - Acrylic Acid Storage Tank TAA6	CRG0000000012
EQT 0008	TAA7 - Acrylamide Plant - Acrylic Acid Storage Tank TAA7	CRG0000000012
EQT 0009	TAA8 - Acrylamide Plant - Acrylic Acid Storage Tank TAA8	CRG0000000012
EQT 0010	TAA9 - Acrylamide Plant - Acrylic Acid Storage Tank TAA9	CRG0000000012
EQT 0011	TAD1 - Acrylamide Plant - Acrylamide Day Tank TAD1	CRG0000000013
EQT 0012	TAD2 - Acrylamide Plant - Acrylamide Day Tank TAD2	CRG0000000013
EQT 0013	TAD3 - Acrylamide Plant - Acrylamide Day Tank TAD3	CRG0000000013
EQT 0014	TAD4 - Acrylamide Plant - Acrylamide Day Tank TAD4	CRG0000000013
EQT 0015	TAD5 - Acrylamide Plant - Acrylamide Day Tank TAD5	CRG0000000013
EQT 0016	TAD6 - Acrylamide Plant - Acrylamide Day Tank TAD6	CRG0000000013
EQT 0017	TAD7 - Acrylamide Plant - Acrylamide Day Tank TAD7	CRG0000000013
EQT 0018	TAD8 - Acrylamide Plant - Acrylamide Day Tank TAD8	CRG0000000013
EQT 0019	TAD9 - Acrylamide Plant - Acrylamide Day Tank TAD9	CRG0000000013
EQT 0020	TAD10 - Acrylamide Plant - Acrylamide Day Tank TAD10	CRG0000000013
EQT 0021	TAD11 - Acrylamide Plant - Acrylamide Day Tank TAD11	CRG0000000013
EQT 0022	TAD12 - Acrylamide Plant - Acrylamide Day Tank TAD12	CRG0000000013
EQT 0023	TAD13 - Acrylamide Plant - Acrylamide Day Tank TAD13	CRG0000000013
EQT 0024	TAD14 - Acrylamide Plant - Acrylamide Day Tank TAD14	CRG0000000013
EQT 0025	TAD15 - Acrylamide Plant - Acrylamide Day Tank TAD15	CRG0000000013
EQT 0026	TAM1 - Acrylamide Plant - Acrylamide Storage Tank TAM1	CRG0000000009
EQT 0027	TAM2 - Acrylamide Plant - Acrylamide Storage Tank TAM2	CRG0000000009
EQT 0028	TAM3 - Acrylamide Plant - Acrylamide Storage Tank TAM3	CRG0000000009
EQT 0029	TAM4 - Acrylamide Plant - Acrylamide Storage Tank TAM4	CRG0000000009
EQT 0030	TAM5 - Acrylamide Plant - Acrylamide Storage Tank TAM5	CRG0000000009
EQT 0031	TAM6 - Acrylamide Plant - Acrylamide Storage Tank TAM6	CRG0000000009
EQT 0032	TAM7 - Acrylamide Plant - Acrylamide Storage Tank TAM7	CRG0000000009
EQT 0033	TAM8 - Acrylamide Plant - Acrylamide Storage Tank TAM8	CRG0000000009
EQT 0034	TAM9 - Acrylamide Plant - Acrylamide Storage Tank TAM9	CRG0000000009
EQT 0035	TAM10 - Acrylamide Plant - Acrylamide Storage Tank TAM10	CRG0000000009
EQT 0036	AMC1 - Acrylamide Plant AML1 - Equipment Downstream of Reactors Handling Acrylamide	CRG0000000013
EQT 0037	AMC2 - Acrylamide Plant AML2 - Equipment Downstream of Reactors Handling Acrylamide	CRG0000000013
EQT 0038	AMC3 - Acrylamide Plant AML3 - Equipment Downstream of Reactors Handling Acrylamide	CRG0000000013
EQT 0039	AMC4 - Acrylamide Plant AML4 - Equipment Downstream of Reactors Handling Acrylamide	CRG0000000013
EQT 0040	AMC5 - Acrylamide Plant AML5 - Equipment Downstream of Reactors Handling Acrylamide	CRG0000000013
EQT 0041	SC-AMT1 - Acrylamide Plant AML1- Day Tanks Scrubber SC-AMT1	CRG0000000002

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Group Membership:

ID	Description	Member of Groups
EQT 0042	SC-AMT2 - Acrylamide Plant AML2- Day Tanks Scrubber SC-AMT2	CRG0000000002
EQT 0043	SC-AMT3 - Acrylamide Plant AML3- Day Tanks Scrubber SC-AMT3	CRG0000000002
EQT 0044	SC-AMT4 - Acrylamide Plant AML4- Day Tanks Scrubber SC-AMT4	CRG0000000002
EQT 0045	SC-AMT5 - Acrylamide Plant AML5- Day Tanks Scrubber SC-AMT5	CRG0000000002
EQT 0046	SC-AM1 - Acrylamide Plant AML1- Reactors / Scrubber SC-AM1	CRG0000000002, CRG0000000013
EQT 0047	SC-AM2 - Acrylamide Plant AML2- Reactors / Scrubber SC-AM2	CRG0000000002, CRG0000000013
EQT 0048	SC-AM3 - Acrylamide Plant AML3- Reactors / Scrubber SC-AM3	CRG0000000002, CRG0000000013
EQT 0049	SC-AM4 - Acrylamide Plant AML4- Reactors / Scrubber SC-AM4	CRG0000000002, CRG0000000013
EQT 0050	SC-AM5 - Acrylamide Plant AML5- Reactors / Scrubber SC-AM5	CRG0000000002, CRG0000000013
EQT 0051	SC-AMST1 - Acrylamide Plant - Acrylamide Storage Tanks Scrubber SC-AMST1	CRG0000000002
EQT 0052	POD01 - Powder Plant - Dissolution Tanks POD01	CRG0000000004, GRP0000000001
EQT 0053	POD02 - Powder Plant - Dissolution Tanks POD02	CRG0000000004, GRP0000000002
EQT 0054	POD03 - Powder Plant - Dissolution Tanks POD03	CRG0000000004, GRP0000000003
EQT 0055	POD04 - Powder Plant - Dissolution Tanks POD04	CRG0000000004, GRP0000000004
EQT 0056	POD05 - Powder Plant - Dissolution Tanks POD05	CRG0000000004, GRP0000000005
EQT 0057	POD06 - Powder Plant - Dissolution Tanks POD06	CRG0000000004, GRP0000000006
EQT 0058	POD07 - Powder Plant - Dissolution Tanks POD07	CRG0000000004, GRP0000000007
EQT 0059	POD08 - Powder Plant - Dissolution Tanks POD08	CRG0000000004, GRP0000000008
EQT 0060	POD09 - Powder Plant - Dissolution Tanks POD09	CRG0000000004, GRP0000000009
EQT 0061	POD10 - Powder Plant - Dissolution Tanks POD10	CRG0000000004, GRP0000000010
EQT 0062	POR01 - Powder Plant - Reactors POR01	CRG0000000004, GRP0000000001
EQT 0063	POR02 - Powder Plant - Reactors POR02	CRG0000000004, GRP0000000002
EQT 0064	POR03 - Powder Plant - Reactors POR03	CRG0000000004, GRP0000000003
EQT 0065	POR04 - Powder Plant - Reactors POR04	CRG0000000004, GRP0000000004
EQT 0066	POR05 - Powder Plant - Reactors POR05	CRG0000000004, GRP0000000005
EQT 0067	POR06 - Powder Plant - Reactors POR06	CRG0000000004, GRP0000000006
EQT 0068	POR07 - Powder Plant - Reactors POR07	CRG0000000004, GRP0000000007
EQT 0069	POR08 - Powder Plant - Reactors POR08	CRG0000000004, GRP0000000008
EQT 0070	POR09 - Powder Plant - Reactors POR09	CRG0000000004, GRP0000000009
EQT 0071	POR10 - Powder Plant - Reactors POR10	CRG0000000004, GRP0000000010
EQT 0072	POG01 - Powder Plant - Grinders POG01	CRG0000000004, GRP0000000001
EQT 0073	POG02 - Powder Plant - Grinders POG02	CRG0000000004, GRP0000000002
EQT 0074	POG03 - Powder Plant - Grinders POG03	CRG0000000004, GRP0000000003
EQT 0075	POG04 - Powder Plant - Grinders POG04	CRG0000000004, GRP0000000004
EQT 0076	POG05 - Powder Plant - Grinders POG05	CRG0000000004, GRP0000000005
EQT 0077	POG06 - Powder Plant - Grinders POG06	CRG0000000004, GRP0000000006
EQT 0078	POG07 - Powder Plant - Grinders POG07	CRG0000000004, GRP0000000007
EQT 0079	POG08 - Powder Plant - Grinders POG08	CRG0000000004, GRP0000000008
EQT 0080	POG09 - Powder Plant - Grinders POG09	CRG0000000004, GRP0000000009
EQT 0081	POG10 - Powder Plant - Grinders POG10	CRG0000000004, GRP0000000010
EQT 0082	POD01A - Powder Plant - Dryers Line A POD01A	CRG0000000004, CRG0000000007, GRP0000000001

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Group Membership:

ID	Description	Member of Groups
EQT 0083	POD01B - Powder Plant - Dryers Line B POD01B	CRG0000000004, CRG0000000007, GRP0000000001
EQT 0084	POD02A - Powder Plant - Dryers Line A POD02A	CRG0000000004, CRG0000000007, GRP0000000002
EQT 0085	POD02B - Powder Plant - Dryers Line B POD02B	CRG0000000004, CRG0000000007, GRP0000000002
EQT 0086	POD03A - Powder Plant - Dryers Line A POD03A	CRG0000000004, CRG0000000007, GRP0000000003
EQT 0087	POD03B - Powder Plant - Dryers Line B POD03B	CRG0000000004, CRG0000000007, GRP0000000003
EQT 0088	POD04A - Powder Plant - Dryers Line A POD04A	CRG0000000004, CRG0000000007, GRP0000000004
EQT 0089	POD04B - Powder Plant - Dryers Line B POD04B	CRG0000000004, CRG0000000007, GRP0000000004
EQT 0090	POD05A - Powder Plant - Dryers Line A POD05A	CRG0000000004, CRG0000000007, GRP0000000005
EQT 0091	POD05B - Powder Plant - Dryers Line B POD05B	CRG0000000004, CRG0000000007, GRP0000000005
EQT 0092	POD06A - Powder Plant - Dryers Line A POD06A	CRG0000000004, CRG0000000007, GRP0000000006
EQT 0093	POD06B - Powder Plant - Dryers Line B POD06B	CRG0000000004, CRG0000000007, GRP0000000006
EQT 0094	POD07A - Powder Plant - Dryers Line A POD07A	CRG0000000004, CRG0000000007, GRP0000000007
EQT 0095	POD07B - Powder Plant - Dryers Line B POD07B	CRG0000000004, CRG0000000007, GRP0000000007
EQT 0096	POD08A - Powder Plant - Dryers Line A POD08A	CRG0000000004, CRG0000000007, GRP0000000008
EQT 0097	POD08B - Powder Plant - Dryers Line B POD08B	CRG0000000004, CRG0000000007, GRP0000000008
EQT 0098	POD09A - Powder Plant - Dryers Line A POD09A	CRG0000000004, CRG0000000007, GRP0000000009
EQT 0099	POD09B - Powder Plant - Dryers Line B POD09B	CRG0000000004, CRG0000000007, GRP0000000009
EQT 0100	POD10A - Powder Plant - Dryers Line A POD10A	CRG0000000004, CRG0000000007, GRP0000000010
EQT 0101	POD10B - Powder Plant - Dryers Line B POD10B	CRG0000000004, CRG0000000007, GRP0000000010
EQT 0102	POB01A1 - Powder Plant - Dust Collector POB01A1	CRG0000000005, GRP0000000011
EQT 0103	POB01A2 - Powder Plant - Dust Collector POB01A2	CRG0000000005, GRP0000000011
EQT 0104	POB01A3 - Powder Plant - Dust Collector POB01A3	CRG0000000005, GRP0000000011
EQT 0105	POB01A4 - Powder Plant - Dust Collector POB01A4	CRG0000000005, GRP0000000011
EQT 0106	POB01A5 - Powder Plant - Dust Collector POB01A5	CRG0000000005, GRP0000000011
EQT 0107	POB01A6 - Powder Plant - Dust Collector POB01A6	CRG0000000005, GRP0000000011
EQT 0108	POB01A7 - Powder Plant - Dust Collector POB01A7	CRG0000000005, GRP0000000011
EQT 0109	POB01A8 - Powder Plant - Dust Collector POB01A8	CRG0000000005, GRP0000000011
EQT 0110	POB02A1 - Powder Plant - Dust Collector POB02A1	CRG0000000005, GRP0000000012
EQT 0111	POB02A2 - Powder Plant - Dust Collector POB02A2	CRG0000000005, GRP0000000012
EQT 0112	POB02A3 - Powder Plant - Dust Collector POB02A3	CRG0000000005, GRP0000000012
EQT 0113	POB02A4 - Powder Plant - Dust Collector POB02A4	CRG0000000005, GRP0000000012
EQT 0114	POB02A5 - Powder Plant - Dust Collector POB02A5	CRG0000000005, GRP0000000012
EQT 0115	POB02A6 - Powder Plant - Dust Collector POB02A6	CRG0000000005, GRP0000000012
EQT 0116	POB02A7 - Powder Plant - Dust Collector POB02A7	CRG0000000005, GRP0000000012
EQT 0117	POB02A8 - Powder Plant - Dust Collector POB02A8	CRG0000000005, GRP0000000012
EQT 0118	POB03A1 - Powder Plant - Dust Collector POB03A1	CRG0000000005, GRP0000000013
EQT 0119	POB03A2 - Powder Plant - Dust Collector POB03A2	CRG0000000005, GRP0000000013
EQT 0120	POB03A3 - Powder Plant - Dust Collector POB03A3	CRG0000000005, GRP0000000013
EQT 0121	POB03A4 - Powder Plant - Dust Collector POB03A4	CRG0000000005, GRP0000000013
EQT 0122	POB03A5 - Powder Plant - Dust Collector POB03A5	CRG0000000005, GRP0000000013
EQT 0123	POB03A6 - Powder Plant - Dust Collector POB03A6	CRG0000000005, GRP0000000013

INVENTORIES

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
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Group Membership:

ID	Description	Member of Groups
EQT 0124	POB03A7 - Powder Plant - Dust Collector POB03A7	CRG0000000005, GRP0000000013
EQT 0125	POB03A8 - Powder Plant - Dust Collector POB03A8	CRG0000000005, GRP0000000013
EQT 0126	POB04A1 - Powder Plant - Dust Collector POB04A1	CRG0000000005, GRP0000000014
EQT 0127	POB04A2 - Powder Plant - Dust Collector POB04A2	CRG0000000005, GRP0000000014
EQT 0128	POB04A3 - Powder Plant - Dust Collector POB04A3	CRG0000000005, GRP0000000014
EQT 0129	POB04A4 - Powder Plant - Dust Collector POB04A4	CRG0000000005, GRP0000000014
EQT 0130	POB04A5 - Powder Plant - Dust Collector POB04A5	CRG0000000005, GRP0000000014
EQT 0131	POB04A6 - Powder Plant - Dust Collector POB04A6	CRG0000000005, GRP0000000014
EQT 0132	POB04A7 - Powder Plant - Dust Collector POB04A7	CRG0000000005, GRP0000000014
EQT 0133	POB04A8 - Powder Plant - Dust Collector POB04A8	CRG0000000005, GRP0000000014
EQT 0134	POB05A1 - Powder Plant - Dust Collector POB05A1	CRG0000000005, GRP0000000015
EQT 0135	POB05A2 - Powder Plant - Dust Collector POB05A2	CRG0000000005, GRP0000000015
EQT 0136	POB05A3 - Powder Plant - Dust Collector POB05A3	CRG0000000005, GRP0000000015
EQT 0137	POB05A4 - Powder Plant - Dust Collector POB05A4	CRG0000000005, GRP0000000015
EQT 0138	POB05A5 - Powder Plant - Dust Collector POB05A5	CRG0000000005, GRP0000000015
EQT 0139	POB05A6 - Powder Plant - Dust Collector POB05A6	CRG0000000005, GRP0000000015
EQT 0140	POB05A7 - Powder Plant - Dust Collector POB05A7	CRG0000000005, GRP0000000015
EQT 0141	POB05A8 - Powder Plant - Dust Collector POB05A8	CRG0000000005, GRP0000000015
EQT 0142	POB06A1 - Powder Plant - Dust Collector POB06A1	CRG0000000005, GRP0000000016
EQT 0143	POB06A2 - Powder Plant - Dust Collector POB06A2	CRG0000000005, GRP0000000016
EQT 0144	POB06A3 - Powder Plant - Dust Collector POB06A3	CRG0000000005, GRP0000000016
EQT 0145	POB06A4 - Powder Plant - Dust Collector POB06A4	CRG0000000005, GRP0000000016
EQT 0146	POB06A5 - Powder Plant - Dust Collector POB06A5	CRG0000000005, GRP0000000016
EQT 0147	POB06A6 - Powder Plant - Dust Collector POB06A6	CRG0000000005, GRP0000000016
EQT 0148	POB06A7 - Powder Plant - Dust Collector POB06A7	CRG0000000005, GRP0000000016
EQT 0149	POB06A8 - Powder Plant - Dust Collector POB06A8	CRG0000000005, GRP0000000016
EQT 0150	POB07A1 - Powder Plant - Dust Collector POB07A1	CRG0000000005, GRP0000000017
EQT 0151	POB07A2 - Powder Plant - Dust Collector POB07A2	CRG0000000005, GRP0000000017
EQT 0152	POB07A3 - Powder Plant - Dust Collector POB07A3	CRG0000000005, GRP0000000017
EQT 0153	POB07A4 - Powder Plant - Dust Collector POB07A4	CRG0000000005, GRP0000000017
EQT 0154	POB07A5 - Powder Plant - Dust Collector POB07A5	CRG0000000005, GRP0000000017
EQT 0155	POB07A6 - Powder Plant - Dust Collector POB07A6	CRG0000000005, GRP0000000017
EQT 0156	POB07A7 - Powder Plant - Dust Collector POB07A7	CRG0000000005, GRP0000000017
EQT 0157	POB07A8 - Powder Plant - Dust Collector POB07A8	CRG0000000005, GRP0000000017
EQT 0158	POB08A1 - Powder Plant - Dust Collector POB08A1	CRG0000000005, GRP0000000018
EQT 0159	POB08A2 - Powder Plant - Dust Collector POB08A2	CRG0000000005, GRP0000000018
EQT 0160	POB08A3 - Powder Plant - Dust Collector POB08A3	CRG0000000005, GRP0000000018
EQT 0161	POB08A4 - Powder Plant - Dust Collector POB08A4	CRG0000000005, GRP0000000018
EQT 0162	POB08A5 - Powder Plant - Dust Collector POB08A5	CRG0000000005, GRP0000000018
EQT 0163	POB08A6 - Powder Plant - Dust Collector POB08A6	CRG0000000005, GRP0000000018
EQT 0164	POB08A7 - Powder Plant - Dust Collector POB08A7	CRG0000000005, GRP0000000018

INVENTORIES

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
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Group Membership:

ID	Description	Member of Groups
EQT 0165	POB08A8 - Powder Plant - Dust Collector POB08A8	CRG0000000005, GRP0000000018
EQT 0166	POB09A1 - Powder Plant - Dust Collector POB09A1	CRG0000000005, GRP0000000019
EQT 0167	POB09A2 - Powder Plant - Dust Collector POB09A2	CRG0000000005, GRP0000000019
EQT 0168	POB09A3 - Powder Plant - Dust Collector POB09A3	CRG0000000005, GRP0000000019
EQT 0169	POB09A4 - Powder Plant - Dust Collector POB09A4	CRG0000000005, GRP0000000019
EQT 0170	POB09A5 - Powder Plant - Dust Collector POB09A5	CRG0000000005, GRP0000000019
EQT 0171	POB09A6 - Powder Plant - Dust Collector POB09A6	CRG0000000005, GRP0000000019
EQT 0172	POB09A7 - Powder Plant - Dust Collector POB09A7	CRG0000000005, GRP0000000019
EQT 0173	POB09A8 - Powder Plant - Dust Collector POB09A8	CRG0000000005, GRP0000000019
EQT 0174	POB10A1 - Powder Plant - Dust Collector POB10A1	CRG0000000005, GRP0000000020
EQT 0175	POB10A2 - Powder Plant - Dust Collector POB10A2	CRG0000000005, GRP0000000020
EQT 0176	POB10A3 - Powder Plant - Dust Collector POB10A3	CRG0000000005, GRP0000000020
EQT 0177	POB10A4 - Powder Plant - Dust Collector POB10A4	CRG0000000005, GRP0000000020
EQT 0178	POB10A5 - Powder Plant - Dust Collector POB10A5	CRG0000000005, GRP0000000020
EQT 0179	POB10A6 - Powder Plant - Dust Collector POB10A6	CRG0000000005, GRP0000000020
EQT 0180	POB10A7 - Powder Plant - Dust Collector POB10A7	CRG0000000005, GRP0000000020
EQT 0181	POB10A8 - Powder Plant - Dust Collector POB10A8	CRG0000000005, GRP0000000020
EQT 0182	POB01B1 - Powder Plant - Dust Collector POB01B1	CRG0000000005, GRP0000000021
EQT 0183	POB01B2 - Powder Plant - Dust Collector POB01B2	CRG0000000005, GRP0000000021
EQT 0184	POB01B3 - Powder Plant - Dust Collector POB01B3	CRG0000000005, GRP0000000021
EQT 0185	POB01B4 - Powder Plant - Dust Collector POB01B4	CRG0000000005, GRP0000000021
EQT 0186	POB01B5 - Powder Plant - Dust Collector POB01B5	CRG0000000005, GRP0000000021
EQT 0187	POB01B6 - Powder Plant - Dust Collector POB01B6	CRG0000000005, GRP0000000021
EQT 0188	POB01B7 - Powder Plant - Dust Collector POB01B7	CRG0000000005, GRP0000000021
EQT 0189	POB01B8 - Powder Plant - Dust Collector POB01B8	CRG0000000005, GRP0000000021
EQT 0190	POB01B9 - Powder Plant - Dust Collector POB01B9	CRG0000000005, GRP0000000021
EQT 0191	POB01B10 - Powder Plant - Dust Collector POB01B10	CRG0000000005, GRP0000000021
EQT 0192	POB01B11 - Powder Plant - Dust Collector POB01B11	CRG0000000005, GRP0000000021
EQT 0193	POB01B12 - Powder Plant - Dust Collector POB01B12	CRG0000000005, GRP0000000021
EQT 0194	POB02B1 - Powder Plant - Dust Collector POB02B1	CRG0000000005, GRP0000000022
EQT 0195	POB02B2 - Powder Plant - Dust Collector POB02B2	CRG0000000005, GRP0000000022
EQT 0196	POB02B3 - Powder Plant - Dust Collector POB02B3	CRG0000000005, GRP0000000022
EQT 0197	POB02B4 - Powder Plant - Dust Collector POB02B4	CRG0000000005, GRP0000000022
EQT 0198	POB02B5 - Powder Plant - Dust Collector POB02B5	CRG0000000005, GRP0000000022
EQT 0199	POB02B6 - Powder Plant - Dust Collector POB02B6	CRG0000000005, GRP0000000022
EQT 0200	POB02B7 - Powder Plant - Dust Collector POB02B7	CRG0000000005, GRP0000000022
EQT 0201	POB02B8 - Powder Plant - Dust Collector POB02B8	CRG0000000005, GRP0000000022
EQT 0202	POB02B9 - Powder Plant - Dust Collector POB02B9	CRG0000000005, GRP0000000022
EQT 0203	POB02B10 - Powder Plant - Dust Collector POB02B10	CRG0000000005, GRP0000000022
EQT 0204	POB02B11 - Powder Plant - Dust Collector POB02B11	CRG0000000005, GRP0000000022
EQT 0205	POB02B12 - Powder Plant - Dust Collector POB02B12	CRG0000000005, GRP0000000022

INVENTORIES

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
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Group Membership:

ID	Description	Member of Groups
EQT 0206	POB03B1 - Powder Plant - Dust Collector POB03B1	CRG0000000005, GRP0000000023
EQT 0207	POB03B2 - Powder Plant - Dust Collector POB03B2	CRG0000000005, GRP0000000023
EQT 0208	POB03B3 - Powder Plant - Dust Collector POB03B3	CRG0000000005, GRP0000000023
EQT 0209	POB03B4 - Powder Plant - Dust Collector POB03B4	CRG0000000005, GRP0000000023
EQT 0210	POB03B5 - Powder Plant - Dust Collector POB03B5	CRG0000000005, GRP0000000023
EQT 0211	POB03B6 - Powder Plant - Dust Collector POB03B6	CRG0000000005, GRP0000000023
EQT 0212	POB03B7 - Powder Plant - Dust Collector POB03B7	CRG0000000005, GRP0000000023
EQT 0213	POB03B8 - Powder Plant - Dust Collector POB03B8	CRG0000000005, GRP0000000023
EQT 0214	POB03B9 - Powder Plant - Dust Collector POB03B9	CRG0000000005, GRP0000000023
EQT 0215	POB03B10 - Powder Plant - Dust Collector POB03B10	CRG0000000005, GRP0000000023
EQT 0216	POB03B11 - Powder Plant - Dust Collector POB03B11	CRG0000000005, GRP0000000023
EQT 0217	POB03B12 - Powder Plant - Dust Collector POB03B12	CRG0000000005, GRP0000000023
EQT 0218	POB04B1 - Powder Plant - Dust Collector POB04B1	CRG0000000005, GRP0000000024
EQT 0219	POB04B2 - Powder Plant - Dust Collector POB04B2	CRG0000000005, GRP0000000024
EQT 0220	POB04B3 - Powder Plant - Dust Collector POB04B3	CRG0000000005, GRP0000000024
EQT 0221	POB04B4 - Powder Plant - Dust Collector POB04B4	CRG0000000005, GRP0000000024
EQT 0222	POB04B5 - Powder Plant - Dust Collector POB04B5	CRG0000000005, GRP0000000024
EQT 0223	POB04B6 - Powder Plant - Dust Collector POB04B6	CRG0000000005, GRP0000000024
EQT 0224	POB04B7 - Powder Plant - Dust Collector POB04B7	CRG0000000005, GRP0000000024
EQT 0225	POB04B8 - Powder Plant - Dust Collector POB04B8	CRG0000000005, GRP0000000024
EQT 0226	POB04B9 - Powder Plant - Dust Collector POB04B9	CRG0000000005, GRP0000000024
EQT 0227	POB04B10 - Powder Plant - Dust Collector POB04B10	CRG0000000005, GRP0000000024
EQT 0228	POB04B11 - Powder Plant - Dust Collector POB04B11	CRG0000000005, GRP0000000024
EQT 0229	POB04B12 - Powder Plant - Dust Collector POB04B12	CRG0000000005, GRP0000000024
EQT 0230	POB05B1 - Powder Plant - Dust Collector POB05B1	CRG0000000005, GRP0000000025
EQT 0231	POB05B2 - Powder Plant - Dust Collector POB05B2	CRG0000000005, GRP0000000025
EQT 0232	POB05B3 - Powder Plant - Dust Collector POB05B3	CRG0000000005, GRP0000000025
EQT 0233	POB05B4 - Powder Plant - Dust Collector POB05B4	CRG0000000005, GRP0000000025
EQT 0234	POB05B5 - Powder Plant - Dust Collector POB05B5	CRG0000000005, GRP0000000025
EQT 0235	POB05B6 - Powder Plant - Dust Collector POB05B6	CRG0000000005, GRP0000000025
EQT 0236	POB05B7 - Powder Plant - Dust Collector POB05B7	CRG0000000005, GRP0000000025
EQT 0237	POB05B8 - Powder Plant - Dust Collector POB05B8	CRG0000000005, GRP0000000025
EQT 0238	POB05B9 - Powder Plant - Dust Collector POB05B9	CRG0000000005, GRP0000000025
EQT 0239	POB05B10 - Powder Plant - Dust Collector POB05B10	CRG0000000005, GRP0000000025
EQT 0240	POB05B11 - Powder Plant - Dust Collector POB05B11	CRG0000000005, GRP0000000025
EQT 0241	POB05B12 - Powder Plant - Dust Collector POB05B12	CRG0000000005, GRP0000000025
EQT 0242	POB06B1 - Powder Plant - Dust Collector POB06B1	CRG0000000005, GRP0000000026
EQT 0243	POB06B2 - Powder Plant - Dust Collector POB06B2	CRG0000000005, GRP0000000026
EQT 0244	POB06B3 - Powder Plant - Dust Collector POB06B3	CRG0000000005, GRP0000000026
EQT 0245	POB06B4 - Powder Plant - Dust Collector POB06B4	CRG0000000005, GRP0000000026
EQT 0246	POB06B5 - Powder Plant - Dust Collector POB06B5	CRG0000000005, GRP0000000026

INVENTORIES

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
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Group Membership:

ID	Description	Member of Groups
EQT 0247	POB06B6 - Powder Plant - Dust Collector POB06B6	CRG0000000005, GRP0000000026
EQT 0248	POB06B7 - Powder Plant - Dust Collector POB06B7	CRG0000000005, GRP0000000026
EQT 0249	POB06B8 - Powder Plant - Dust Collector POB06B8	CRG0000000005, GRP0000000026
EQT 0250	POB06B9 - Powder Plant - Dust Collector POB06B9	CRG0000000005, GRP0000000026
EQT 0251	POB06B10 - Powder Plant - Dust Collector POB06B10	CRG0000000005, GRP0000000026
EQT 0252	POB06B11 - Powder Plant - Dust Collector POB06B11	CRG0000000005, GRP0000000026
EQT 0253	POB06B12 - Powder Plant - Dust Collector POB06B12	CRG0000000005, GRP0000000026
EQT 0254	POB07B1 - Powder Plant - Dust Collector POB07B1	CRG0000000005, GRP0000000027
EQT 0255	POB07B2 - Powder Plant - Dust Collector POB07B2	CRG0000000005, GRP0000000027
EQT 0256	POB07B3 - Powder Plant - Dust Collector POB07B3	CRG0000000005, GRP0000000027
EQT 0257	POB07B4 - Powder Plant - Dust Collector POB07B4	CRG0000000005, GRP0000000027
EQT 0258	POB07B5 - Powder Plant - Dust Collector POB07B5	CRG0000000005, GRP0000000027
EQT 0259	POB07B6 - Powder Plant - Dust Collector POB07B6	CRG0000000005, GRP0000000027
EQT 0260	POB07B7 - Powder Plant - Dust Collector POB07B7	CRG0000000005, GRP0000000027
EQT 0261	POB07B8 - Powder Plant - Dust Collector POB07B8	CRG0000000005, GRP0000000027
EQT 0262	POB07B9 - Powder Plant - Dust Collector POB07B9	CRG0000000005, GRP0000000027
EQT 0263	POB07B10 - Powder Plant - Dust Collector POB07B10	CRG0000000005, GRP0000000027
EQT 0264	POB07B11 - Powder Plant - Dust Collector POB07B11	CRG0000000005, GRP0000000027
EQT 0265	POB07B12 - Powder Plant - Dust Collector POB07B12	CRG0000000005, GRP0000000027
EQT 0266	POB08B1 - Powder Plant - Dust Collector POB08B1	CRG0000000005, GRP0000000028
EQT 0267	POB08B2 - Powder Plant - Dust Collector POB08B2	CRG0000000005, GRP0000000028
EQT 0268	POB08B3 - Powder Plant - Dust Collector POB08B3	CRG0000000005, GRP0000000028
EQT 0269	POB08B4 - Powder Plant - Dust Collector POB08B4	CRG0000000005, GRP0000000028
EQT 0270	POB08B5 - Powder Plant - Dust Collector POB08B5	CRG0000000005, GRP0000000028
EQT 0271	POB08B6 - Powder Plant - Dust Collector POB08B6	CRG0000000005, GRP0000000028
EQT 0272	POB08B7 - Powder Plant - Dust Collector POB08B7	CRG0000000005, GRP0000000028
EQT 0273	POB08B8 - Powder Plant - Dust Collector POB08B8	CRG0000000005, GRP0000000028
EQT 0274	POB08B9 - Powder Plant - Dust Collector POB08B9	CRG0000000005, GRP0000000028
EQT 0275	POB08B10 - Powder Plant - Dust Collector POB08B10	CRG0000000005, GRP0000000028
EQT 0276	POB08B11 - Powder Plant - Dust Collector POB08B11	CRG0000000005, GRP0000000028
EQT 0277	POB08B12 - Powder Plant - Dust Collector POB08B12	CRG0000000005, GRP0000000028
EQT 0278	POB09B1 - Powder Plant - Dust Collector POB09B1	CRG0000000005, GRP0000000029
EQT 0279	POB09B2 - Powder Plant - Dust Collector POB09B2	CRG0000000005, GRP0000000029
EQT 0280	POB09B3 - Powder Plant - Dust Collector POB09B3	CRG0000000005, GRP0000000029
EQT 0281	POB09B4 - Powder Plant - Dust Collector POB09B4	CRG0000000005, GRP0000000029
EQT 0282	POB09B5 - Powder Plant - Dust Collector POB09B5	CRG0000000005, GRP0000000029
EQT 0283	POB09B6 - Powder Plant - Dust Collector POB09B6	CRG0000000005, GRP0000000029
EQT 0284	POB09B7 - Powder Plant - Dust Collector POB09B7	CRG0000000005, GRP0000000029
EQT 0285	POB09B8 - Powder Plant - Dust Collector POB09B8	CRG0000000005, GRP0000000029
EQT 0286	POB09B9 - Powder Plant - Dust Collector POB09B9	CRG0000000005, GRP0000000029
EQT 0287	POB09B10 - Powder Plant - Dust Collector POB09B10	CRG0000000005, GRP0000000029

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Air - Title V Regular Permit Initial

Group Membership:

ID	Description	Member of Groups
EQT 0288	POB09B11 - Powder Plant - Dust Collector POB09B11	CRG0000000005, GRP0000000029
EQT 0289	POB09B12 - Powder Plant - Dust Collector POB09B12	CRG0000000005, GRP0000000029
EQT 0290	POB10B1 - Powder Plant - Dust Collector POB10B1	CRG0000000005, GRP0000000030
EQT 0291	POB10B2 - Powder Plant - Dust Collector POB10B2	CRG0000000005, GRP0000000030
EQT 0292	POB10B3 - Powder Plant - Dust Collector POB10B3	CRG0000000005, GRP0000000030
EQT 0293	POB10B4 - Powder Plant - Dust Collector POB10B4	CRG0000000005, GRP0000000030
EQT 0294	POB10B5 - Powder Plant - Dust Collector POB10B5	CRG0000000005, GRP0000000030
EQT 0295	POB10B6 - Powder Plant - Dust Collector POB10B6	CRG0000000005, GRP0000000030
EQT 0296	POB10B7 - Powder Plant - Dust Collector POB10B7	CRG0000000005, GRP0000000030
EQT 0297	POB10B8 - Powder Plant - Dust Collector POB10B8	CRG0000000005, GRP0000000030
EQT 0298	POB10B9 - Powder Plant - Dust Collector POB10B9	CRG0000000005, GRP0000000030
EQT 0299	POB10B10 - Powder Plant - Dust Collector POB10B10	CRG0000000005, GRP0000000030
EQT 0300	POB10B11 - Powder Plant - Dust Collector POB10B11	CRG0000000005, GRP0000000030
EQT 0301	POB10B12 - Powder Plant - Dust Collector POB10B12	CRG0000000005, GRP0000000030
EQT 0302	POPKG1 - Powder Plant - Packaging Area 1 - Dust Collector POPKG1	CRG0000000005
EQT 0303	POPKG2 - Powder Plant - Packaging Area 2 - Dust Collector POPKG2	CRG0000000005
EQT 0304	POTTBH - Powder Plant - Truck Loading Area - Dust Collector POTTBH	CRG0000000005
EQT 0305	POTTBV1 - Powder Plant - Truck Loading Area Silo - Dust Collector POTTBV1	CRG0000000005
EQT 0306	POTTBV2 - Powder Plant - Truck Loading Area Silo - Dust Collector POTTBV2	CRG0000000005
EQT 0307	PORCBH - Powder Plant - Railcar Loading Area - Dust Collector PORCBH	CRG0000000005
EQT 0308	PORCBV1 - Powder Plant - Railcar Loading Area Silo - Dust Collector PORCBV1	CRG0000000005
EQT 0309	PORCBV2 - Powder Plant - Railcar Loading Area Silo - Dust Collector PORCBV2	CRG0000000005
EQT 0310	PORCBV3 - Powder Plant - Railcar Loading Area Silo - Dust Collector PORCBV3	CRG0000000005
EQT 0311	PORCBV4 - Powder Plant - Railcar Loading Area Silo - Dust Collector PORCBV4	CRG0000000005
EQT 0312	TAA1 - Main Acrylic Acid Storage Tank TAA1	CRG0000000012
EQT 0313	TAA2 - Main Acrylic Acid Storage Tank TAA2	CRG0000000012
EQT 0314	TAA3 - Main Acrylic Acid Storage Tank TAA3	CRG0000000012
EQT 0315	TAA4 - Main Acrylic Acid Storage Tank TAA4	CRG0000000012
EQT 0316	TAD16 - Powder Plant - Acrylamide Day Tank TAD16	CRG0000000001
EQT 0317	TAD17 - Powder Plant - Acrylamide Day Tank TAD17	CRG0000000001
EQT 0318	TAD18 - Powder Plant - Acrylamide Day Tank TAD18	CRG0000000001
EQT 0319	TAD19 - Powder Plant - Acrylamide Day Tank TAD19	CRG0000000001
EQT 0320	TAD20 - Powder Plant - Acrylamide Day Tank TAD20	CRG0000000001
EQT 0321	EMD01 - Emulsion Plant Line 1 - Dissolution Tank EMD01	CRG0000000013
EQT 0322	EMD02 - Emulsion Plant Line 2 - Dissolution Tank EMD02	CRG0000000013
EQT 0331	EMR01 - Emulsion Plant Line 1 - Reactor EMR01	CRG0000000013
EQT 0332	EMR02 - Emulsion Plant Line 2 - Reactor EMR02	CRG0000000013
EQT 0343	TAD21 - Emulsion Plant - Acrylamide Day Tank TAD21	CRG0000000001
EQT 0344	SPR1 - Specialty Product Line 1 - Base Reactor SPR1	CRG0000000010
EQT 0347	TAD22 - Specialty Product - Acrylamide Day Tank TAD22	CRG0000000012
EQT 0348	DADR - DADMAC Plant - Monomer Reactors DADR	CRG0000000011

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INVENTORIES

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

Group Membership:

ID	Description	Member of Groups
EQT 0349	DADORG - DADMAC Plant - Organic Receiver DADORG	CRG0000000011
EQT 0350	DADLL - DADMAC Plant - Liquid/Liquid Separator DADLL	CRG0000000011
EQT 0351	DADOH - DADMAC Plant - Allyl Alcohol Receivers DADOH	CRG0000000011
EQT 0352	TAOH-1 - DADMAC Plant - Allyl Alcohol Storage Tank TAOH-1	CRG0000000011
EQT 0353	DADDC - DADMAC Plant - Allyl Alcohol Distillation Column DADDC	CRG0000000011
EQT 0356	PA-1 - Polyamine Plant - Reactor PA-1	CRG0000000013
EQT 0357	PA-2 - Polyamine Plant - Reactor PA-2	CRG0000000013
EQT 0360	TAE1 - ADAM Plant - Acrylate Ester Storage Tank TAE1	CRG0000000006
EQT 0361	TAE2 - ADAM Plant - Acrylate Ester Storage Tank TAE2	CRG0000000006
EQT 0362	AD-R1 - ADAM Plant - Transesterification Reactor/Column R1	CRG0000000011
EQT 0363	AD-R2 - ADAM Plant - Transesterification Reactor/Column R2	CRG0000000011
EQT 0364	AD-DOH1 - ADAM Plant - Saponification Reactor/Column DOH1	CRG0000000011
EQT 0365	AD-D1 - ADAM Plant - Product Distillation AD-D1	CRG0000000011
EQT 0366	TD1 - ADAM Plant - Recycle Reactant Tank TD1	CRG0000000006
EQT 0367	TAZ1 - ADAM Plant - Azeotrope Tank TAZ1	CRG0000000006
EQT 0368	TCE1 - ADAM Plant - Crude Ester Tank TCE1	CRG0000000006
EQT 0369	AT-MR1 - ATBS Plant - Mixing/Reactors AT-MR1	CRG0000000011
EQT 0370	AT-AR1 - ATBS Plant - Acrylonitrile Recovery AT-AR1	CRG0000000011
EQT 0371	AT-DRY1 - ATBS Plant - Dryer AT-DRY1	CRG0000000011
EQT 0372	TO-AD1 - ADAM/ATBS Plant Thermal Oxidizer TO-AD1	CRG0000000003
EQT 0373	TO-AD2 - ADAM/ATBS Plant Thermal Oxidizer TO-AD2 (Back-up)	CRG0000000003
EQT 0382	CM1 - Chloromethylation Plant - Reactors CM1	CRG0000000011
EQT 0385	AT-SL1 - ATBS Plant - Silo AT-SL1	GRP0000000031
EQT 0386	AT-SL2 - ATBS Plant - Silo AT-SL2	GRP0000000031
EQT 0387	AT-SL3 - ATBS Plant - Silo AT-SL3	GRP0000000031
EQT 0388	AT-SL4 - ATBS Plant - Silo AT-SL4	GRP0000000031
EQT 0389	AT-HP1 - ATBS Plant - Hopper AT-HP1	GRP0000000031
EQT 0390	AT-HP2 - ATBS Plant - Hopper AT-HP2	GRP0000000031
EQT 0391	AT-HP3 - ATBS Plant - Hopper AT-HP3	GRP0000000031
EQT 0392	AT-HP4 - ATBS Plant - Hopper AT-HP4	GRP0000000031
EQT 0393	AT-BG1 - ATBS Plant - Bagging Operations AT-BG1	GRP0000000031
EQT 0394	AT-BG2 - ATBS Plant - Bagging Operations AT-BG2	GRP0000000031
EQT 0395	AT-BG3 - ATBS Plant - Bagging Operations AT-BG3	GRP0000000031
EQT 0396	AT-BG4 - ATBS Plant - Bagging Operations AT-BG4	GRP0000000031
EQT 0402	B1 - Boiler B1	GRP0000000032
EQT 0403	B2 - Boiler B2	GRP0000000032
EQT 0404	B3 - Boiler B3	GRP0000000032
EQT 0405	B4 - Boiler B4	GRP0000000032
EQT 0406	B5 - Boiler B5	GRP0000000032
EQT 0407	B6 - Boiler B6	GRP0000000032
EQT 0408	B7 - Boiler B7	GRP0000000032

INVENTORIES

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

Group Membership:

ID	Description	Member of Groups
EQT 0409	B8 - Boiler B8	GRP0000000032
EQT 0410	B9 - Boiler B9	GRP0000000032
EQT 0411	B10 - Boiler B10	GRP0000000032
EQT 0412	TIB1 - IB Pressurized Tank TIB1	CRG0000000008
EQT 0413	TIB2 - IB Pressurized Tank TIB2	CRG0000000008
EQT 0414	TIB3 - IB Pressurized Tank TIB3	CRG0000000008
EQT 0415	TIB4 - IB Pressurized Tank TIB4	CRG0000000008
EQT 0416	TIB5 - IB Pressurized Tank TIB5	CRG0000000008
EQT 0417	TIBD1 - IB Pressurized Day Tank TIBD1	CRG0000000008
EQT 0418	TAC1 - AC Pressurized Tank TAC1	CRG0000000008
EQT 0419	TAC2 - AC Pressurized Tank TAC2	CRG0000000008
EQT 0420	TDM1 - DM Pressurized Tank TDM1	CRG0000000008
EQT 0421	TDM2 - DM Pressurized Tank TDM2	CRG0000000008
EQT 0422	TCM1 - CM Pressurized Tank TCM1	CRG0000000008
EQT 0423	TCM2 - CM Pressurized Tank TCM2	CRG0000000008
EQT 0424	TAN1 - AN Pressurized Tank TAN1	CRG0000000008
EQT 0425	TAN2 - AN Pressurized Tank TAN2	CRG0000000008
EQT 0426	TAN3 - AN Pressurized Tank TAN3	CRG0000000008
EQT 0427	TAN4 - AN Pressurized Tank TAN4	CRG0000000008
EQT 0428	TAN5 - AN Pressurized Tank TAN5	CRG0000000008
EQT 0429	TAN6 - AN Pressurized Tank TAN6	CRG0000000008
EQT 0430	TAN7 - AN Pressurized Tank TAN7	CRG0000000008
EQT 0431	TAN8 - AN Pressurized Tank TAN8	CRG0000000008
EQT 0432	TAN9 - AN Pressurized Tank TAN9	CRG0000000008
EQT 0433	TAN10 - AN Pressurized Tank TAN10	CRG0000000008
EQT 0434	TAN11 - AN Pressurized Tank TAN11	CRG0000000008
EQT 0435	TAN12 - AN Pressurized Tank TAN12	CRG0000000008
EQT 0436	TAN13 - AN Day Storage Tank TAN13	CRG0000000011
EQT 0438	TEG1 - Ethylene Glycol Storage Tank TEG1	CRG0000000010
EQT 0439	TEG2 - Ethylene Glycol Storage Tank TEG2	CRG0000000010
EQT 0440	TEG3 - Ethylene Glycol Storage Tank TEG3	CRG0000000010
EQT 0441	TEG4 - Ethylene Glycol Storage Tank TEG4	CRG0000000010
EQT 0442	TQM1 - Quaternized/Cationic Monomer Storage Tank TQM1	CRG0000000010
EQT 0443	TQM2 - Quaternized/Cationic Monomer Storage Tank TQM2	CRG0000000010
EQT 0444	TQM3 - Quaternized/Cationic Monomer Storage Tank TQM3	CRG0000000010
EQT 0445	TQM4 - Quaternized/Cationic Monomer Storage Tank TQM4	CRG0000000010
EQT 0446	TQM5 - Quaternized/Cationic Monomer Storage Tank TQM5	CRG0000000010
EQT 0447	TQM6 - Quaternized/Cationic Monomer Storage Tank TQM6	CRG0000000010
EQT 0448	TQM7 - Quaternized/Cationic Monomer Storage Tank TQM7	CRG0000000010
EQT 0449	TQM8 - Quaternized/Cationic Monomer Storage Tank TQM8	CRG0000000010
EQT 0450	TQM9 - Quaternized/Cationic Monomer Storage Tank TQM9	CRG0000000010

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INVENTORIES

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
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Air - Title V Regular Permit Initial

Group Membership:

ID	Description	Member of Groups
EQT 0451	TQM10 - Quaternized/Cationic Monomer Storage Tank TQM10	CRG0000000010
EQT 0452	TEXM1 - Process Oil Storage Tank TEXM1	CRG0000000010
EQT 0453	TEX11 - Process Oil Storage Tank TEX11	CRG0000000010
EQT 0454	TEX12 - Process Oil Storage Tank TEX12	CRG0000000010
EQT 0455	TEX13 - Process Oil Storage Tank TEX13	CRG0000000010
EQT 0457	TNH2 - Ammonium Hydroxide Pressurized Storage Tank TNH2	CRG0000000008
EQT 0458	TAN1 - Acrylonitrile Pressurized Storage Tank TAN1	CRG0000000008
EQT 0459	TAN2 - Acrylonitrile Pressurized Storage Tank TAN2	CRG0000000008
EQT 0460	TAN3 - Acrylonitrile Pressurized Storage Tank TAN3	CRG0000000008
EQT 0461	TAN4 - Acrylonitrile Pressurized Storage Tank TAN4	CRG0000000008
EQT 0462	TAN5 - Acrylonitrile Pressurized Storage Tank TAN5	CRG0000000008
EQT 0463	TAN6 - Acrylonitrile Pressurized Storage Tank TAN6	CRG0000000008
EQT 0464	TAN7 - Acrylonitrile Pressurized Storage Tank TAN7	CRG0000000008
EQT 0465	TAN8 - Acrylonitrile Pressurized Storage Tank TAN8	CRG0000000008
EQT 0466	TAN9 - Acrylonitrile Pressurized Storage Tank TAN9	CRG0000000008
EQT 0467	TAN10 - Acrylonitrile Pressurized Storage Tank TAN10	CRG0000000008
EQT 0468	TAN11 - Acrylonitrile Pressurized Storage Tank TAN11	CRG0000000008
EQT 0469	TAN12 - Acrylonitrile Pressurized Storage Tank TAN12	CRG0000000008
EQT 0470	TAC1 - Allyl Chloride Pressurized Storage Tank TAC1	CRG0000000008
EQT 0471	TAC2 - Allyl Chloride Pressurized Storage Tank TAC2	CRG0000000008
EQT 0472	TDM1 - Dimethylamine Pressurized Storage Tank TDM1	CRG0000000008
EQT 0473	TDM2 - Dimethylamine Pressurized Storage Tank TDM2	CRG0000000008
EQT 0474	TMC1 - Methyl Chloride Pressurized Storage Tank TMC1	CRG0000000008
EQT 0475	TMC2 - Methyl Chloride Pressurized Storage Tank TMC2	CRG0000000008
EQT 0476	TIBD1 - Isobutene Pressurized Day Storage Tank TIBD1	CRG0000000008
EQT 0477	TIB1 - Isobutene Pressurized Storage Tank TIB1	CRG0000000008
EQT 0478	TIB2 - Isobutene Pressurized Storage Tank TIB2	CRG0000000008
EQT 0479	TIB3 - Isobutene Pressurized Storage Tank TIB3	CRG0000000008
EQT 0480	TIB4 - Isobutene Pressurized Storage Tank TIB4	CRG0000000008
EQT 0481	TIB5 - Isobutene Pressurized Storage Tank TIB5	CRG0000000008
EQT 0484	TWE1 - Emulsion Plant Wash Tank TWE1	CRG0000000010
EQT 0485	TCW1 - Emulsion Plant Clear Water Tank TCW1	CRG0000000010
EQT 0486	TMP1 - Emulsion Product Storage Tank TMP1	CRG0000000010
EQT 0487	TMP2 - Emulsion Product Storage Tank TMP2	CRG0000000010
EQT 0488	TMP3 - Emulsion Product Storage Tank TMP3	CRG0000000010
EQT 0489	TMP4 - Emulsion Product Storage Tank TMP4	CRG0000000010
EQT 0490	TMP5 - Emulsion Product Storage Tank TMP5	CRG0000000010
EQT 0491	TMP6 - Emulsion Product Storage Tank TMP6	CRG0000000010
EQT 0492	TMP7 - Emulsion Product Storage Tank TMP7	CRG0000000010
EQT 0493	TMP8 - Emulsion Product Storage Tank TMP8	CRG0000000010
EQT 0494	TMP9 - Emulsion Product Storage Tank TMP9	CRG0000000010

INVENTORIES

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

Group Membership:

ID	Description	Member of Groups
EQT 0495	TMP10 - Emulsion Product Storage Tank TMP10	CRG0000000010
EQT 0496	TMP11 - Emulsion Product Storage Tank TMP11	CRG0000000010
EQT 0497	TMP12 - Emulsion Product Storage Tank TMP12	CRG0000000010
EQT 0498	TMP13 - Emulsion Product Storage Tank TMP13	CRG0000000010
EQT 0499	TMP14 - Emulsion Product Storage Tank TMP14	CRG0000000010
EQT 0500	TMP15 - Emulsion Product Storage Tank TMP15	CRG0000000010
EQT 0501	TMP16 - Emulsion Product Storage Tank TMP16	CRG0000000010
EQT 0502	TMP17 - Emulsion Product Storage Tank TMP17	CRG0000000010
EQT 0503	TMP18 - Emulsion Product Storage Tank TMP18	CRG0000000010
EQT 0504	TMP19 - Emulsion Product Storage Tank TMP19	CRG0000000010
EQT 0505	TMP20 - Emulsion Product Storage Tank TMP20	CRG0000000010
EQT 0506	TMP21 - Specialty Products Line Base Storage Tank TMP21	CRG0000000010
EQT 0507	TMP22 - Specialty Products Line Base Storage Tank TMP22	CRG0000000010
EQT 0508	TMP23 - Specialty Products Line Base Storage Tank TMP23	CRG0000000010
EQT 0509	TMP24 - Specialty Products Line Intermediate Product Storage Tank TMP24	CRG0000000010
EQT 0510	TMP25 - Specialty Products Line Intermediate Product Storage Tank TMP25	CRG0000000010
EQT 0511	TMP26 - Specialty Products Line Intermediate Product Storage Tank TMP26	CRG0000000010
EQT 0512	TMP27 - Specialty Products Line Concentrated Product Storage Tank TMP27	CRG0000000010
EQT 0513	TMP28 - Specialty Products Line Concentrated Product Storage Tank TMP28	CRG0000000010
EQT 0514	TMP29 - Specialty Products Line Concentrated Product Storage Tank TMP29	CRG0000000010
EQT 0515	TMP30 - Specialty Products Line Concentrated Product Storage Tank TMP30	CRG0000000010
EQT 0516	TMP31 - Specialty Products Line Concentrated Product Storage Tank TMP31	CRG0000000010
EQT 0517	TMP32 - Specialty Products Line Concentrated Product Storage Tank TMP32	CRG0000000010
EQT 0518	TMP33 - Specialty Products Line Concentrated Product Storage Tank TMP33	CRG0000000010
EQT 0519	TMP34 - Specialty Products Line Concentrated Product Storage Tank TMP34	CRG0000000010
EQT 0520	TMP35 - PolyDADMAC Storage Tank TMP35	CRG0000000010
EQT 0521	TMP36 - PolyDADMAC Storage Tank TMP36	CRG0000000010
EQT 0522	TMP37 - PolyDADMAC Storage Tank TMP37	CRG0000000010
EQT 0523	TMP38 - PolyDADMAC Storage Tank TMP38	CRG0000000010
EQT 0524	TMP39 - PolyDADMAC Storage Tank TMP39	CRG0000000010
EQT 0525	TMP40 - PolyDADMAC Storage Tank TMP40	CRG0000000010
EQT 0526	TMP41 - PolyDADMAC Storage Tank TMP41	CRG0000000010
EQT 0527	TMP42 - PolyDADMAC Storage Tank TMP42	CRG0000000010
EQT 0528	TMP43 - DADMAC Monomer Storage Tank TMP43	CRG0000000010
EQT 0529	TMP44 - DADMAC Monomer Storage Tank TMP44	CRG0000000010
EQT 0530	TMP45 - DADMAC Monomer Storage Tank TMP45	CRG0000000010
EQT 0531	TMP46 - DADMAC Monomer Storage Tank TMP46	CRG0000000010
EQT 0532	TMP47 - DADMAC Polymer Rerun Tank TMP47	CRG0000000010
EQT 0533	TMP48 - DADMAC Polymer Blend Tank TMP48	CRG0000000010
EQT 0534	TMP49 - DADMAC Polymer Blend Tank TMP49	CRG0000000010
EQT 0535	TMP50 - DADMAC Polymer Blend Tank TMP50	CRG0000000010

INVENTORIES

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

Group Membership:

ID	Description	Member of Groups
EQT 0536	TMP51 - DADMAC Monomer Blend Tank TMP51	CRG0000000010
EQT 0537	TMP52 - DADMAC Monomer Blend Tank TMP52	CRG0000000010
EQT 0538	TMP53 - DADMAC Monomer Blend Tank TMP53	CRG0000000010
EQT 0539	TMP54 - Polyamine Product Storage Tank TMP54	CRG0000000010
EQT 0540	TMP55 - Polyamine Product Storage Tank TMP55	CRG0000000010
EQT 0541	TMP56 - Polyamine Product Storage Tank TMP56	CRG0000000010
EQT 0542	TMP57 - Polyamine Product Storage Tank TMP57	CRG0000000010
EQT 0543	TMP58 - Polyamine Product Storage Tank TMP58	CRG0000000010
EQT 0544	TMP59 - Polyamine Product Storage Tank TMP59	CRG0000000010
EQT 0545	TMP60 - Polyamine Product Storage Tank TMP60	CRG0000000010
EQT 0546	TMP61 - Polyamine Product Storage Tank TMP61	CRG0000000010
EQT 0547	TMP62 - Polyamine Product Rerun Tank TMP62	CRG0000000010
EQT 0548	TADA1 - ADAM Product Storage Tank TADA1	CRG0000000010
EQT 0549	TADA2 - ADAM Product Storage Tank TADA2	CRG0000000010
EQT 0550	TADA3 - ADAM Product Storage Tank TADA3	CRG0000000010
EQT 0551	TADA4 - ADAM Product Storage Tank TADA4	CRG0000000010
EQT 0552	TSW1 - Polysodium Acrylate Storage Tank TSW1	CRG0000000010
EQT 0553	TWW1 - ADAM Plant Washwater Tank TWW1	CRG0000000010
EQT 0554	TCHK1 - ADAM Product Check Tank TCHK1	CRG0000000010
EQT 0555	TCHK2 - ADAM Product Check Tank TCHK2	CRG0000000010
EQT 0556	TRS1 - ADAM Plant Catalyst Residue Tank TRS1	CRG0000000010
EQT 0557	TCWW2 - ATBS Water/Salt Storage Tank TWW2	CRG0000000010
EQT 0558	TAPS1 - APS Storage Tank TAPS1	CRG0000000010
EQT 0559	TSBS1 - SBS Storage Tank TSBS1	CRG0000000010
EQT 0560	TNHA1 - Ammonium Adipate Storage Tank TNHA1	CRG0000000010
EQT 0561	TBIO1 - Biocide Storage Tank TBIO1	CRG0000000010
EQT 0562	TDCW1 - DADMAC Recycle Water Tank TDCW1	CRG0000000010
EQT 0563	TAMC1 - Acrylamide Catalyst Storage Tank TAMC1	CRG0000000010
EQT 0564	TAMC2 - Acrylamide Catalyst Storage Tank TAMC2	CRG0000000010
EQT 0565	TAMC3 - Acrylamide Catalyst Storage Tank TAMC3	CRG0000000010
EQT 0566	TAMC4 - Acrylamide Catalyst Storage Tank TAMC4	CRG0000000010
EQT 0567	TAMC5 - Acrylamide Catalyst Storage Tank TAMC5	CRG0000000010
EQT 0568	TWWA1 - Acrylamide Washwater Tank TWWA1	CRG0000000010
EQT 0569	TAMCP1 - Acrylamide Catalyst Prep Tank TAMCP1	CRG0000000010
EQT 0570	TAMCP2 - Acrylamide Catalyst Prep Tank TAMCP2	CRG0000000010
EQT 0571	TAMCP3 - Acrylamide Catalyst Prep Tank TAMCP3	CRG0000000010
EQT 0572	TAMCP4 - Acrylamide Catalyst Prep Tank TAMCP4	CRG0000000010
EQT 0573	TAMCP5 - Acrylamide Catalyst Prep Tank TAMCP5	CRG0000000010
EQT 0574	TAMFC1 - Acrylamide Filtered Catalyst Tank TAMFC1	CRG0000000010
EQT 0575	TAMFC2 - Acrylamide Filtered Catalyst Tank TAMFC2	CRG0000000010
EQT 0576	TAMFC3 - Acrylamide Filtered Catalyst Tank TAMFC3	CRG0000000010

INVENTORIES

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

Group Membership:

ID	Description	Member of Groups
EQT 0577	TAMFC4 - Acrylamide Filtered Catalyst Tank TAMFC4	CRG0000000010
EQT 0578	TAMFC5 - Acrylamide Filtered Catalyst Tank TAMFC5	CRG0000000010
EQT 0579	TMX1 - Emulsion Plant Mix Tank TMX1	CRG0000000010
EQT 0580	TMX2 - Emulsion Plant Mix Tank TMX2	CRG0000000010
EQT 0581	TMX3 - Emulsion Plant Mix Tank TMX3	CRG0000000010
EQT 0582	TMX4 - Emulsion Plant Mix Tank TMX4	CRG0000000010
EQT 0583	TMX5 - Emulsion Plant Mix Tank TMX5	CRG0000000010
EQT 0584	TMX6 - Emulsion Plant Mix Tank TMX6	CRG0000000010
EQT 0585	DADPR1 - PolyDADMAC Reactor DADPR1	CRG0000000010
EQT 0586	DADPR2 - PolyDADMAC Reactor DADPR2	CRG0000000010
EQT 0587	DADPR3 - PolyDADMAC Reactor DADPR3	CRG0000000010
EQT 0588	DADPR4 - PolyDADMAC Reactor DADPR4	CRG0000000010

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0690	0690 Chemical and Chemical Prep. N.E.C. (Rated Capacity)	689.3	MM lbs/yr

SIC Codes:

2899	Chemical preparations, nec	AI 166443
2899	Chemical preparations, nec	UNF 001

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Flopam Inc															
CRG 0004 POWDER					2.40										
EQT 0001 TNA1													<0.01	0.04	<0.01
EQT 0002 TNA2													<0.01	0.04	<0.01
EQT 0003 TNA3													<0.01	0.04	<0.01
EQT 0004 TNA4													<0.01	0.04	<0.01
EQT 0005 TNA5													<0.01	0.04	<0.01
EQT 0006 TAA5													0.01	0.45	0.06
EQT 0007 TAA6													0.01	0.45	0.06
EQT 0008 TAA7													0.01	0.45	0.06
EQT 0009 TAA8													0.01	0.45	0.06
EQT 0010 TAA9													0.01	0.45	0.06
EQT 0041 SC-AMT1													<0.01	<0.01	<0.01
EQT 0042 SC-AMT2													<0.01	<0.01	<0.01
EQT 0043 SC-AMT3													<0.01	<0.01	<0.01
EQT 0044 SC-AMT4													<0.01	<0.01	<0.01
EQT 0045 SC-AMT5													<0.01	<0.01	<0.01
EQT 0046 SC-AM1													0.02	0.02	0.07
EQT 0047 SC-AM2													0.02	0.02	0.07
EQT 0048 SC AM3													0.02	0.02	0.07
EQT 0049 SC-AM4													0.02	0.02	0.07
EQT 0050 SC AM5													0.02	0.02	0.07
EQT 0051 SC AMST1													<0.01	<0.01	<0.01
EQT 0302 POPKG1							<0.01	<0.01	<0.01						

TPOR0145

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Flopam Inc															
EQT 0303 POPKG2							<0.01	<0.01	<0.01						
EQT 0304 POTTBH							<0.01	<0.01	<0.01						
EQT 0305 POTTBV1							<0.01	<0.01	<0.01						
EQT 0306 POTTBV2							<0.01	<0.01	<0.01						
EQT 0307 PORCBH							<0.01	<0.01	0.01						
EQT 0308 PORCBV1							<0.01	<0.01	<0.01						
EQT 0309 PORCBV2							<0.01	<0.01	<0.01						
EQT 0310 PORCBV3							<0.01	<0.01	<0.01						
EQT 0311 PORCBV4							<0.01	<0.01	0.01						
EQT 0312 TAA1													0.20	1.05	0.88
EQT 0313 TAA2													0.20	1.05	0.88
EQT 0314 TAA3													0.20	1.05	0.88
EQT 0315 TAA4													0.20	1.05	0.88
EQT 0316 TAD16													<0.01	<0.01	<0.01
EQT 0317 TAD17													<0.01	<0.01	<0.01
EQT 0318 TAD18													<0.01	<0.01	<0.01
EQT 0319 TAD19													<0.01	<0.01	<0.01
EQT 0320 TAD20													<0.01	<0.01	<0.01
EQT 0341 SCEM1										0.35	6.07	1.53	0.15	2.05	0.64
EQT 0342 EM1										1.40	24.24	6.13	0.21	2.00	0.90
EQT 0343 TAD21													<0.01	<0.01	<0.01
EQT 0344 SPR1													<0.01	<0.01	0.02
EQT 0347 TAD22													<0.01	<0.01	<0.01

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Flopam Inc															
EQT 0355 SC-DAD1	0.77	0.77	3.39	1.23	1.23	5.37	0.07	0.07	0.31	0.01	0.01	0.02	0.53	1.95	2.31
EQT 0358 SC-PA1													<0.01	<0.01	<0.01
EQT 0359 TEP1													0.03	0.03	0.14
EQT 0372 TO-AD1	0.58	0.58	2.52	0.91	0.91	4.00	0.05	0.05	0.23	<0.01	<0.01	0.02	1.64	1.93	7.17
EQT 0373 TO-AD2	0.58	0.58		0.91	0.91		0.05	0.05		<0.01	<0.01		1.64	1.93	
EQT 0374 TALC1													0.05	0.05	0.21
EQT 0375 TALC2													0.05	0.05	0.21
EQT 0376 THX1													0.09	0.09	0.38
EQT 0377 TRA1													0.01	0.01	0.05
EQT 0378 TRA2													0.01	0.01	0.05
EQT 0384 SC-CM1	0.62	0.62	2.71	0.98	0.98	4.28	0.06	0.06	0.24	<0.01	<0.01	0.02	0.09	0.09	0.42
EQT 0402 B1	0.70	0.93	3.05	0.28	0.38	1.24	0.10	0.10	0.44	0.01	0.01	0.05		0.20	
EQT 0403 B2	0.70	0.93	3.05	0.28	0.38	1.24	0.10	0.10	0.44	0.01	0.01	0.05		0.20	
EQT 0404 B3	0.70	0.93	3.05	0.28	0.38	1.24	0.10	0.10	0.44	0.01	0.01	0.05		0.20	
EQT 0405 B4	0.70	0.93	3.05	0.28	0.38	1.24	0.10	0.10	0.44	0.01	0.01	0.05		0.20	
EQT 0406 B5	0.70	0.93	3.05	0.28	0.38	1.24	0.10	0.10	0.44	0.01	0.01	0.05		0.20	
EQT 0407 B6	0.70	0.93	3.05	0.28	0.38	1.24	0.10	0.10	0.44	0.01	0.01	0.05		0.20	
EQT 0408 B7	0.70	0.93	3.05	0.28	0.38	1.24	0.10	0.10	0.44	0.01	0.01	0.05		0.20	
EQT 0409 B8	0.70	0.93	3.05	0.28	0.38	1.24	0.10	0.10	0.44	0.01	0.01	0.05		0.20	
EQT 0410 B9	0.70	0.93	3.05	0.28	0.38	1.24	0.10	0.10	0.44	0.01	0.01	0.05		0.20	
EQT 0411 B10	0.70	0.93	3.05	0.28	0.38	1.24	0.10	0.10	0.44	0.01	0.01	0.05		0.20	
EQT 0438 TEG1													<0.01	<0.01	<0.01
EQT 0439 TEG2													<0.01	<0.01	<0.01

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Flopam Inc															
EQT 0440 TEG3													<0.01	<0.01	<0.01
EQT 0441 TEG4													<0.01	<0.01	<0.01
EQT 0442 TQM1													<0.01	<0.01	<0.01
EQT 0443 TQM2													<0.01	<0.01	<0.01
EQT 0444 TQM3													<0.01	<0.01	<0.01
EQT 0445 TQM4													<0.01	<0.01	<0.01
EQT 0446 TQM5													<0.01	<0.01	<0.01
EQT 0447 TQM6													<0.01	<0.01	<0.01
EQT 0448 TQM7													<0.01	<0.01	<0.01
EQT 0449 TQM8													<0.01	<0.01	<0.01
EQT 0450 TQM9													<0.01	<0.01	<0.01
EQT 0451 TQM10													<0.01	<0.01	<0.01
EQT 0452 TEXM1													<0.01	<0.01	<0.01
EQT 0453 TEX11													<0.01	<0.01	<0.01
EQT 0454 TEX12													<0.01	<0.01	<0.01
EQT 0455 TEX13													<0.01	<0.01	<0.01
EQT 0482 EPEV1													<0.01	<0.01	<0.01
EQT 0483 SPEV1													<0.01	<0.01	<0.01
EQT 0484 TWE1													<0.01	<0.01	<0.01
EQT 0485 TCW1													<0.01	<0.01	<0.01
EQT 0486 TMP1													<0.01	<0.01	<0.01
EQT 0487 TMP2													<0.01	<0.01	<0.01
EQT 0488 TMP3													<0.01	<0.01	<0.01

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Flopam Inc															
EQT 0489 TMP4													<0.01	<0.01	<0.01
EQT 0490 TMP5													<0.01	<0.01	<0.01
EQT 0491 TMP6													<0.01	<0.01	<0.01
EQT 0492 TMP7													<0.01	<0.01	<0.01
EQT 0493 TMP8													<0.01	<0.01	<0.01
EQT 0494 TMP9													<0.01	<0.01	<0.01
EQT 0495 TMP10													<0.01	<0.01	<0.01
EQT 0496 TMP11													<0.01	<0.01	<0.01
EQT 0497 TMP12													<0.01	<0.01	<0.01
EQT 0498 TMP13													<0.01	<0.01	<0.01
EQT 0499 TMP14													<0.01	<0.01	<0.01
EQT 0500 TMP15													<0.01	<0.01	<0.01
EQT 0501 TMP16													<0.01	<0.01	<0.01
EQT 0502 TMP17													<0.01	<0.01	<0.01
EQT 0503 TMP18													<0.01	<0.01	<0.01
EQT 0504 TMP19													<0.01	<0.01	<0.01
EQT 0505 TMP20													<0.01	<0.01	<0.01
EQT 0506 TMP21													<0.01	<0.01	<0.01
EQT 0507 TMP22													<0.01	<0.01	<0.01
EQT 0508 TMP23													<0.01	<0.01	<0.01
EQT 0509 TMP24													<0.01	<0.01	<0.01
EQT 0510 TMP25													<0.01	<0.01	<0.01
EQT 0511 TMP26													<0.01	<0.01	<0.01

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Flopam Inc															
EQT 0512 TMP27													<0.01	<0.01	<0.01
EQT 0513 TMP28													<0.01	<0.01	<0.01
EQT 0514 TMP29													<0.01	<0.01	<0.01
EQT 0515 TMP30													<0.01	<0.01	<0.01
EQT 0516 TMP31													<0.01	<0.01	<0.01
EQT 0517 TMP32													<0.01	<0.01	<0.01
EQT 0518 TMP33													<0.01	<0.01	<0.01
EQT 0519 TMP34													<0.01	<0.01	<0.01
EQT 0520 TMP35													<0.01	<0.01	<0.01
EQT 0521 TMP36													<0.01	<0.01	<0.01
EQT 0522 TMP37													<0.01	<0.01	<0.01
EQT 0523 TMP38													<0.01	<0.01	<0.01
EQT 0524 TMP39													<0.01	<0.01	<0.01
EQT 0525 TMP40													<0.01	<0.01	<0.01
EQT 0526 TMP41													<0.01	<0.01	<0.01
EQT 0527 TMP42													<0.01	<0.01	<0.01
EQT 0528 TMP43													<0.01	<0.01	<0.01
EQT 0529 TMP44													<0.01	<0.01	<0.01
EQT 0530 TMP45													<0.01	<0.01	<0.01
EQT 0531 TMP46													<0.01	<0.01	<0.01
EQT 0532 TMP47													<0.01	<0.01	<0.01
EQT 0533 TMP48													<0.01	<0.01	<0.01
EQT 0534 TMP49													<0.01	<0.01	<0.01

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Flopam Inc															
EQT 0535 TMP50													<0.01	<0.01	<0.01
EQT 0536 TMP51													<0.01	<0.01	<0.01
EQT 0537 TMP52													<0.01	<0.01	<0.01
EQT 0538 TMP53													<0.01	<0.01	<0.01
EQT 0539 TMP54													<0.01	<0.01	<0.01
EQT 0540 TMP55													<0.01	<0.01	<0.01
EQT 0541 TMP56													<0.01	<0.01	<0.01
EQT 0542 TMP57													<0.01	<0.01	<0.01
EQT 0543 TMP58													<0.01	<0.01	<0.01
EQT 0544 TMP59													<0.01	<0.01	<0.01
EQT 0545 TMP60													<0.01	<0.01	<0.01
EQT 0546 TMP61													<0.01	<0.01	<0.01
EQT 0547 TMP62													<0.01	<0.01	<0.01
EQT 0548 TADA1													<0.01	<0.01	<0.01
EQT 0549 TADA2													<0.01	<0.01	<0.01
EQT 0550 TADA3													<0.01	<0.01	<0.01
EQT 0551 TADA4													<0.01	<0.01	<0.01
EQT 0552 TSW1													<0.01	<0.01	<0.01
EQT 0553 TWW1													<0.01	<0.01	<0.01
EQT 0554 TCHK1													<0.01	<0.01	<0.01
EQT 0555 TCHK2													<0.01	<0.01	<0.01
EQT 0556 TRS1													<0.01	<0.01	<0.01
EQT 0557 TCWW2													<0.01	<0.01	<0.01

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Flopam Inc															
EQT 0558 TAPS1													<0.01	<0.01	<0.01
EQT 0559 TSBS1													<0.01	<0.01	<0.01
EQT 0560 TNHA1													<0.01	<0.01	<0.01
EQT 0561 TBIO1													<0.01	<0.01	<0.01
EQT 0562 TDCW1													<0.01	<0.01	<0.01
EQT 0563 TAMC1													<0.01	<0.01	<0.01
EQT 0564 TAMC2													<0.01	<0.01	<0.01
EQT 0565 TAMC3													<0.01	<0.01	<0.01
EQT 0566 TAMC4													<0.01	<0.01	<0.01
EQT 0567 TAMC5													<0.01	<0.01	<0.01
EQT 0568 TWWA1													<0.01	<0.01	<0.01
EQT 0569 TAMCP1													<0.01	<0.01	<0.01
EQT 0570 TAMCP2													<0.01	<0.01	<0.01
EQT 0571 TAMCP3													<0.01	<0.01	<0.01
EQT 0572 TAMCP4													<0.01	<0.01	<0.01
EQT 0573 TAMCP5													<0.01	<0.01	<0.01
EQT 0574 TAMFC1													<0.01	<0.01	<0.01
EQT 0575 TAMFC2													<0.01	<0.01	<0.01
EQT 0576 TAMFC3													<0.01	<0.01	<0.01
EQT 0577 TAMFC4													<0.01	<0.01	<0.01
EQT 0578 TAMFC5													<0.01	<0.01	<0.01
EQT 0579 TMX1													<0.01	<0.01	<0.01
EQT 0580 TMX2													<0.01	<0.01	<0.01

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Flopam Inc															
EQT 0581 TMX3													<0.01	<0.01	<0.01
EQT 0582 TMX4													<0.01	<0.01	<0.01
EQT 0583 TMX5													<0.01	<0.01	<0.01
EQT 0584 TMX6													<0.01	<0.01	<0.01
EQT 0585 DADPR1													<0.01	<0.01	<0.01
EQT 0586 DADPR2													<0.01	<0.01	<0.01
EQT 0587 DADPR3													<0.01	<0.01	<0.01
EQT 0588 DADPR4													<0.01	<0.01	<0.01
FUG 0001 FUG													2.00	2.00	8.77
FUG 0002 ROAD							0.04	0.04	0.19						
GRP 0001 PO01	3.85	3.85	16.88	2.40	2.40	10.51	0.41	0.41	1.77	0.03	0.03	0.12	2.26	2.26	9.91
GRP 0002 PO02	3.85	3.85	16.88	2.40	2.40	10.51	0.41	0.41	1.77	0.03	0.03	0.12	2.26	2.26	9.91
GRP 0003 PO03	3.85	3.85	16.88	2.40	2.40	10.51	0.41	0.41	1.77	0.03	0.03	0.12	2.26	2.26	9.91
GRP 0004 PO04	3.85	3.85	16.88	2.40	2.40	10.51	0.41	0.41	1.77	0.03	0.03	0.12	2.26	2.26	9.91
GRP 0005 PO05	3.85	3.85	16.88	2.40	2.40	10.51	0.41	0.41	1.77	0.03	0.03	0.12	2.26	2.26	9.91
GRP 0006 PO06	3.85	3.85	16.88	2.40	2.40	10.51	0.41	0.41	1.77	0.03	0.03	0.12	2.26	2.26	9.91
GRP 0007 PO07	3.85	3.85	16.88	2.40	2.40	10.51	0.41	0.41	1.77	0.03	0.03	0.12	2.26	2.26	9.91
GRP 0008 PO08	3.85	3.85	16.88	2.40	2.40	10.51	0.41	0.41	1.77	0.03	0.03	0.12	2.26	2.26	9.91
GRP 0009 PO09	3.85	3.85	16.88	2.40	2.40	10.51	0.41	0.41	1.77	0.03	0.03	0.12	2.26	2.26	9.91
GRP 0010 PO10	3.85	3.85	16.88	2.40	2.40	10.51	0.41	0.41	1.77	0.03	0.03	0.12	2.26	2.26	9.91
GRP 0011 POB01A							0.10	0.10	0.44						
GRP 0012 POB02A							0.10	0.10	0.44						
GRP 0013 POB03A							0.10	0.10	0.44						

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Flopam Inc															
GRP 0014 POB04A							0.10	0.10	0.44						
GRP 0015 POB05A							0.10	0.10	0.44						
GRP 0016 POB06A							0.10	0.10	0.44						
GRP 0017 POB07A							0.10	0.10	0.44						
GRP 0018 POB08A							0.10	0.10	0.44						
GRP 0019 POB09A							0.10	0.10	0.44						
GRP 0020 POB10A							0.10	0.10	0.44						
GRP 0021 POB01B							<0.01	<0.01	<0.01						
GRP 0022 POB02B							<0.01	<0.01	<0.01						
GRP 0023 POB03B							<0.01	<0.01	<0.01						
GRP 0024 POB04B							<0.01	<0.01	<0.01						
GRP 0025 POB05B							<0.01	<0.01	<0.01						
GRP 0026 POB06B							<0.01	<0.01	<0.01						
GRP 0027 POB07B							<0.01	<0.01	<0.01						
GRP 0028 POB08B							<0.01	<0.01	<0.01						
GRP 0029 POB09B							<0.01	<0.01	<0.01						
GRP 0030 POB10B							<0.01	<0.01	<0.01						
GRP 0031 ATB1							<0.01	<0.01	0.01						
GRP 0032 BOILERS													0.64		2.80

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

CRG 0004 NOx Max lb/hr - using good equipment design and proper operations - Determine as LAER and BACT - PSD-LA-747 Which Months: All Year

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 TNA1	Acrylic acid	<0.01	0.04	<0.01
EQT 0002 TNA2	Acrylic acid	<0.01	0.04	<0.01
EQT 0003 TNA3	Acrylic acid	<0.01	0.04	<0.01
EQT 0004 TNA4	Acrylic acid	<0.01	0.04	<0.01
EQT 0005 TNA5	Acrylic acid	<0.01	0.04	<0.01
EQT 0006 TAA5	Acrylic acid	0.01	0.45	0.06
EQT 0007 TAA6	Acrylic acid	0.01	0.45	0.06
EQT 0008 TAA7	Acrylic acid	0.01	0.45	0.06
EQT 0009 TAA8	Acrylic acid	0.01	0.45	0.06
EQT 0010 TAA9	Acrylic acid	0.01	0.45	0.06
EQT 0041 SC-AMT1	Acrylamide	<0.001	<0.001	<0.001
EQT 0042 SC-AMT2	Acrylamide	<0.001	<0.001	<0.001
EQT 0043 SC-AMT3	Acrylamide	<0.001	<0.001	<0.001
EQT 0044 SC-AMT4	Acrylamide	<0.001	<0.001	<0.001
EQT 0045 SC-AMT5	Acrylamide	<0.001	<0.001	<0.001
EQT 0046 SC-AM1	Acrylamide	<0.001	<0.001	<0.001
	Acrylonitrile	0.017	0.017	0.073
EQT 0047 SC-AM2	Acrylamide	<0.001	<0.001	<0.001
	Acrylonitrile	0.017	0.017	0.073
EQT 0048 SC-AM3	Acrylamide	<0.001	<0.001	<0.001
	Acrylonitrile	0.017	0.017	0.073
EQT 0049 SC-AM4	Acrylamide	<0.001	<0.001	<0.001
	Acrylonitrile	0.017	0.017	0.073
EQT 0050 SC-AM5	Acrylamide	<0.001	<0.001	<0.001
	Acrylonitrile	0.017	0.017	0.073
EQT 0051 SC-AMST1	Acrylamide	<0.001	<0.001	0.001
EQT 0312 TAA1	Acrylic acid	0.20	1.05	0.88
EQT 0313 TAA2	Acrylic acid	0.20	1.05	0.88
EQT 0314 TAA3	Acrylic acid	0.20	1.05	0.88
EQT 0315 TAA4	Acrylic acid	0.20	1.05	0.88
EQT 0316 TAD16	Acrylamide	0.001	0.003	0.003
EQT 0317 TAD17	Acrylamide	0.001	0.003	0.003
EQT 0318 TAD18	Acrylamide	0.001	0.003	0.003

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0319 TAD19	Acrylamide	0.001	0.003	0.003
EQT 0320 TAD20	Acrylamide	0.001	0.003	0.003
EQT 0341 SCEM1	Acrylamide	<0.001	0.004	0.002
	Acrylic acid	0.12	2.05	0.53
	Ammonia	0.24	3.81	1.06
EQT 0342 EM1	Acrylamide	0.001	0.020	0.006
	Acrylic acid	0.10	1.12	0.44
EQT 0343 TAD21	Acrylamide	<0.001	0.004	0.001
EQT 0344 SPR1	Acrylamide	0.004	0.004	0.020
EQT 0345 SC-SP1	Hydrochloric acid	<0.01	<0.01	0.01
EQT 0346 SC-SP2	Hydrochloric acid	<0.01	<0.01	0.01
EQT 0347 TAD22	Acrylamide	<0.001	0.002	0.001
EQT 0355 SC-DAD1	Allyl chloride	0.47	1.89	2.07
	Hydrochloric acid	0.45	1.79	1.96
EQT 0358 SC-PA1	Epichlorohydrin	<0.01	<0.01	<0.01
EQT 0359 TEP1	Epichlorohydrin	0.03	0.03	0.14
EQT 0372 TO-AD1	Acrylamide	<0.001	<0.001	<0.001
	Acrylonitrile	1.530	1.570	6.700
	Ethyl Acrylate	0.01	0.31	0.04
	Methanol	0.01	0.01	0.03
	Sulfuric acid	<0.01	<0.01	<0.01
	n-Hexane	0.05	0.05	0.21
EQT 0373 TO-AD2	Acrylamide	<0.001	<0.001	
	Acrylonitrile	1.530	1.570	
	Ethyl Acrylate	0.01	0.31	
	Methanol	0.01	0.01	
	Sulfuric acid	<0.01	<0.01	
	n-Hexane	0.05	0.05	
EQT 0374 TALC1	Methanol	0.05	0.05	0.21
EQT 0375 TALC2	Methanol	0.05	0.05	0.21
EQT 0376 THX1	n-Hexane	0.09	0.09	0.38
EQT 0381 SC-HC1	Hydrochloric acid	<0.01	0.03	0.01
EQT 0384 SC-CM1	Chlorine	0.99	0.99	4.35

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0384 SC-CM1	Hydrochloric acid	0.02	0.02	0.09
	Methyl chloride	0.05	0.05	0.24
EQT 0401 SC-LM1	Sulfuric acid	<0.01	0.38	<0.01
FUG 0001 FUG	Acrylic acid	0.21	0.21	0.94
	Acrylonitrile	0.320	0.320	1.390
	Allyl chloride	0.300	0.300	1.310
	Epichlorohydrin	0.05	0.05	0.21
	Ethyl Acrylate	0.27	0.27	1.20
	Methanol	0.13	0.13	0.55
	Methyl chloride	0.05	0.05	0.21
	n-Hexane	0.31	0.31	1.35
GRP 0001 PO01	Acrylamide	0.180	0.200	0.800
	Acrylic acid	1.37	1.50	6.00
GRP 0002 PO02	Acrylamide	0.180	0.200	0.800
	Acrylic acid	1.37	1.50	6.00
GRP 0003 PO03	Acrylamide	0.180	0.200	0.800
	Acrylic acid	1.37	1.50	6.00
GRP 0004 PO04	Acrylamide	0.180	0.200	0.800
	Acrylic acid	1.37	1.50	6.00
GRP 0005 PO05	Acrylamide	0.180	0.200	0.800
	Acrylic acid	1.37	1.50	6.00
GRP 0006 PO06	Acrylamide	0.180	0.200	0.800
	Acrylic acid	1.37	1.50	6.00
GRP 0007 PO07	Acrylamide	0.180	0.200	0.800
	Acrylic acid	1.37	1.50	6.00
GRP 0008 PO08	Acrylamide	0.180	0.200	0.800
	Acrylic acid	1.37	1.50	6.00
GRP 0009 PO09	Acrylamide	0.180	0.200	0.800
	Acrylic acid	1.37	1.50	6.00
GRP 0010 PO10	Acrylamide	0.180	0.200	0.800
	Acrylic acid	1.37	1.50	6.00
UNF 0001 AI166443	Acrylamide			8.057
	Acrylic acid			65.78

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 AI166443	Acrylonitrile			8.455
	Allyl chloride			3.38
	Ammonia			1.06
	Chlorine			4.35
	Epichlorohydrin			0.36
	Ethyl Acrylate			1.24
	Hydrochloric acid			2.08
	Methanol			1.00
	Methyl chloride			0.45
	Sulfuric acid			0.02
	n-Hexane			1.94

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

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SPECIFIC REQUIREMENTS

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CRG 0001 TANKS1 - Common Requirements for Tanks

Group Members: EQT 0316EQT 0317EQT 0318EQT 0319EQT 0320EQT 0343

1	[LAC 33:III.504]	VOC emissions from the tanks shall be minimized by insulating and cooling the tanks - Determined as LAER.
2	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional control is determined as MACT.

CRG 0002 SCRS - Common Requirements for Scrubbers

Group Members: EQT 0041EQT 0042EQT 0043EQT 0044EQT 0045EQT 0046EQT 0047EQT 0048EQT 0049EQT 0050EQT 0051

3	[40 CFR 63.123(a)]	For Acrylamide Day Tanks EQT0011 - EQT0025: Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. 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)]
4	[40 CFR 63.132(b)(1)]	Determine whether each wastewater stream requires control for Table 8 compounds by complying with the requirements in either 40 CFR 63.132(b)(1)(i) or (b)(1)(ii), and (b)(1)(iii). Subpart G. [40 CFR 63.132(b)(1)]
5	[40 CFR 63.132(b)(2)]	Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(b)(2)(i) or (b)(2)(ii), and (b)(2)(iii). Subpart G. [40 CFR 63.132(b)(2)]
6	[40 CFR 63.132(c)]	Determine total annual average concentration of Table 9 compounds according to the procedures in 40 CFR 63.144(b), and determine annual average flow rate according to the procedures in 40 CFR 63.144(c), to determine whether a wastewater stream is Group 1 or Group 2 for Table 9 compounds. Redetermine group status for each Group 2 stream, as necessary, to determine whether the stream is Group 1 or Group 2 whenever process changes are made that could reasonably be expected to change the stream to a Group 1 stream Subpart G. [40 CFR 63.132(c)]
7	[40 CFR 63.132(d)]	Determine annual average concentration for each Table 8 compound according to the procedures specified in 40 CFR 63.144(b), and determine annual average flow rate according to the procedures specified in 40 CFR 63.144(c), to determine whether a wastewater stream is Group 1 or Group 2 for Table 8 compounds. Redetermine group status for each Group 2 stream, as necessary, to determine whether the stream is Group 1 or Group 2 whenever process changes are made that could reasonably be expected to change the stream to a Group 1 stream. Subpart G. [40 CFR 63.132(d)]
8	[40 CFR 63.132(f)]	Do not discard liquid or solid organic materials with a concentration of greater than 10,000 ppm of Table 9 compounds (as determined by analysis of the stream composition, engineering calculations, or process knowledge, according to the provisions of 40 CFR 63.144(b)) from a chemical manufacturing process unit to water or wastewater, unless the receiving stream is managed and treated as a Group 1 wastewater stream. Subpart G. [40 CFR 63.132(f)]
9	[40 CFR 63.147]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G.
10	[40 CFR 65]	For the EQT0041 through EQT0050 process vent streams: Permittee shall perform the group status determination, testing monitoring, recordkeeping and reporting as specified by 40 CFR 65.62, 65.63, 65.64, 65.66, and 65.67.
11	[LAC 33:III.507.H.1.a]	Flow rate monitored by flow rate monitoring device once every four hours. Which Months: All Year Statistical Basis: None specified
12	[LAC 33:III.507.H.1.a]	Flow rate recordkeeping by electronic or hard copy once every four hours.

SPECIFIC REQUIREMENTS

AI ID: 166443 - Flopam Inc - Flopam Facility
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CRG 0002 SCRS - Common Requirements for Scrubbers

13	[LAC 33:III.507.H.1.a]	Shall determine the minimum scrubbant flow rate for each scrubber during the performance test and include the rates in the Notification of Compliance Status Report as required by 40 CFR 63.152(b). Permittee shall have this permit revised to include the determined minimum scrubbant flow rate for each scrubber.
14	[LAC 33:III.507.H.1.a]	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. This report can be combined with reports required under LAC 33:III.535.
15	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. TAP emissions shall be controlled by scrubbers - Determined as MACT.

CRG 0003 ADTO - Common Requirements for ADAM/ATBS Plant Thermal Oxidizers

Group Members: EQT 0372EQT 0373

16	[40 CFR 60.662]	Total Organic Compounds (less methane and ethane) >= 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent, or maintain a TRE index value of greater than 1.0 without use of VOC emission control device. Subpart NNN Subpart NNN. Which Months: All Year Statistical Basis: None specified
17	[40 CFR 60.664(a)]	Run all affected facilities at full operating conditions and flow rates during any performance test intended to demonstrate compliance with 40 CFR 60.662. Subpart NNN. [40 CFR 60.664(a)]
18	[40 CFR 60.664(b)]	Use the 40 CFR 60 appendix A methods listed in 40 CFR 60.664(b) through (h), except as provided under 40 CFR 60.60.8(b), as reference methods to determine compliance with the emission limit or percent reduction efficiency specified under 40 CFR 60.662(a). Subpart NNN. [40 CFR 60.664(b)]
19	[40 CFR 60.665(a)]	Notify the DEQ with the specific provisions of 40 CFR 60.662 (40 CFR 60.662(a), (b), or (c)) with which the facility operator has elected to comply. Submit the notification with the notification of initial start-up required in 40 CFR 60.7(a)(3). Notify the DEQ 90 days before implementing any change in the provision of 40 CFR 60.662 that the operator elects to comply with . Conduct the performance test specified by 40 CFR 60.664 within 180 days after the change. Subpart NNN. [40 CFR 60.665(a)]
20	[40 CFR 60.665(b)]	Performance Test Data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain up-to-date, readily accessible records of the required compliance information listed in 40 CFR 60.665(b) through (j) as applicable measured during each performance test required under 40 CFR 60.8. Submit the same specified data in the reports of all subsequently required performance tests where either the emission control efficiency of a control device, outlet concentration of TOC, or the TRE index value of a vent stream from a recovery system is determined. Subpart NNN. [40 CFR 60.665(b)]
21	[40 CFR 60.665(l)]	Submit report: Due semiannually. Submit initial report within 6 months after the initial start-up date. Include the information outlined in 40 CFR 60.665(l)(1) through (l)(7). Subpart NNN. [40 CFR 60.665(l)]
22	[40 CFR 60.665(o)]	Submit an initial report, including a flow rate measurement using the test methods specified in 40 CFR 60.664, to the DEQ, if seeking to demonstrate compliance with 40 CFR 60.660(c)(6). Subpart NNN. [40 CFR 60.665(o)]
23	[40 CFR 63.2455(a)]	Organic HAP >= 98 % reduction by weight, or OHAP or TOC <= 20 ppmv. Subpart FFFF. [40 CFR 63.2455(a)] Which Months: All Year Statistical Basis: None specified
24	[40 CFR 63.2470(d)]	Ensure that periods of planned routine maintenance of each control device, during which the control device does not meet the emission limit specified in 40 CFR 63 Subpart FFFF Table 4, do not exceed 240 hours per year (hr/yr). Subpart FFFF. [40 CFR 63.2470(d)]

SPECIFIC REQUIREMENTS

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CRG 0003 ADTO - Common Requirements for ADAM/ATBS Plant Thermal Oxidizers

25	[40 CFR 63.2525]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
26	[40 CFR 63.983(a)(1)]	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)]
27	[40 CFR 63.983(a)(2)]	Closed-vent systems: Operate at all times when emissions are vented to, or collected by, them. Subpart SS. [40 CFR 63.983(a)(2)]
28	[40 CFR 63.983(a)(3)]	Closed-vent systems (containing bypass lines): 1) Properly install, maintain, and operate a flow indicator at the entrance of any bypass line that is capable of taking periodic readings. Records shall be generated as specified in 40 CFR 63.998(d)(1)(ii)(A), or 2) 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)]
29	[40 CFR 63.983(b)(1)(i)(A)]	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
30	[40 CFR 63.983(b)(1)(i)(B)]	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
31	[40 CFR 63.983(b)(1)(ii)]	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
32	[40 CFR 63.983(b)(2)(i)]	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)]
33	[40 CFR 63.983(b)(2)(ii)]	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
34	[40 CFR 63.983(b)(3)(i)]	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)]
35	[40 CFR 63.983(b)(3)(ii)]	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

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36	[40 CFR 63.983(b)(4)]	Closed-vent systems (containing bypass lines): 1) If flow indicator is used, take a reading every 15 minutes, or 2) 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)] Which Months: All Year Statistical Basis: None specified
37	[40 CFR 63.983(d)(1)]	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)]
38	[40 CFR 63.983(d)(2)]	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)]
39	[40 CFR 63.983(d)(3)]	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)]
40	[40 CFR 63.988(a)(2)]	Operate at all times when emissions are vented to control device. Subpart SS. [40 CFR 63.988(a)(2)]
41	[40 CFR 63.988(b)(1)]	Conduct an initial performance test according to the procedures in 40 CFR 63.997, except as specified in 40 CFR 63.997(b) and 40 CFR 63.988(b)(2). Subpart SS. [40 CFR 63.988(b)(1)]
42	[40 CFR 63.988(c)(1)]	Temperature monitored by temperature monitoring device 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. [40 CFR 63.988(c)(1)] Which Months: All Year Statistical Basis: None specified
43	[40 CFR 63.998]	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.
44	[40 CFR 63.999(a)(1)(i)]	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)]
45	[40 CFR 63.999(a)(1)(ii)]	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)]
46	[40 CFR 63.999(a)(1)(iii)]	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)]

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47	[40 CFR 63.999(a)(1)(iv)]	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)]
48	[40 CFR 63.999(b)]	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)]
49	[40 CFR 63.999(c)]	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)]
50	[40 CFR 63.999(d)(1)]	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)]
51	[40 CFR 63.999(d)(2)]	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)]
52	[LAC 33:III.1101.B]	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. Which Months: All Year Statistical Basis: None specified
53	[LAC 33:III.1311.C]	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. Which Months: All Year Statistical Basis: Six-minute average
54	[LAC 33:III.504]	VOC, Total <= 0.005 lb/MMBTU (99% control efficiency) - using good equipment design and proper combustion techniques - Determine as LAER. Which Months: All Year Statistical Basis: Three one-hour test average
55	[LAC 33:III.504]	Nitrogen oxides <= 0.133 lb/MMBTU - using good equipment design and proper combustion techniques - Determine as LAER and BACT - PSD-LA-747. [LAC 33:III.504, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
56	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test for VOC (total) from the thermal oxidizers: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Compliance. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

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CRG 0003 ADTO - Common Requirements for ADAM/ATBS Plant Thermal Oxidizers

57	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test for VOC (total) from the thermal oxidizers (except the backup unit): Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer. Use alternate stack tests methods only with the prior approval of the Office of Environmental Compliance. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
58	[LAC 33:III.509]	Total suspended particulate <= 0.008 lb/MMBTU - using good equipment design and proper combustion techniques, fueled by natural gas or propane - Determine as BACT - PSD-LA-747. Which Months: All Year Statistical Basis: Three one-hour test average
59	[LAC 33:III.509]	Carbon monoxide <= 0.08 lb/MMBTU - using good equipment design and proper combustion techniques - Determine as BACT - PSD-LA-747. Which Months: All Year Statistical Basis: Three one-hour test average
60	[LAC 33:III.5109.A]	The thermal oxidizer is determined as MACT for TAP emissions from various pieces of equipment.

CRG 0004 POWDER - Common Requirements for Powder Plant Process Sources

Group Members: EQT 0052EQT 0053EQT 0054EQT 0055EQT 0056EQT 0057EQT 0058EQT 0059EQT 0060EQT 0061EQT 0062EQT 0063EQT 0064EQT 0065EQT 0066EQT 0067EQT 0068EQT 0069 EQT 0070EQT 0071EQT 0072EQT 0073EQT 0074EQT 0075EQT 0076EQT 0077EQT 0078EQT 0079EQT 0080EQT 0081EQT 0082EQT 0083EQT 0084EQT 0085EQT 0086EQT 0087EQT 0088EQT 0089 EQT 0090EQT 0091EQT 0092EQT 0093EQT 0094EQT 0095EQT 0096EQT 0097EQT 0098EQT 0099EQT 0100EQT 0101

61	[LAC 33:III.1101.B]	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 (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
62	[LAC 33:III.1311.C]	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. Which Months: All Year Statistical Basis: Six-minute average
63	[LAC 33:III.504]	Shall utilize good equipment design and proper operations to minimize VOC emissions from Powder Plant - Determine as LAER.
64	[LAC 33:III.509]	Shall utilize good equipment design and proper operations and fueled by natural and propane to minimize PM/PM10/PM2.5 emissions - Determine as BACT - PSD-LA-747.
65	[LAC 33:III.509]	Shall utilize good equipment design and proper operations to minimize CO emissions - Determine as BACT - PSD-LA-747.
66	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional control is determined as MACT.

CRG 0005 DFILTERS - Common Requirements for Dust Filters

Group Members: EQT 0269EQT 0270EQT 0271EQT 0272EQT 0273EQT 0274EQT 0275EQT 0276EQT 0277EQT 0278EQT 0279EQT 0280EQT 0281EQT 0282EQT 0283EQT 0284EQT 0285EQT 0286

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AI ID: 166443 - Flopam Inc - Flopam Facility
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CRG 0005 DFILTERS - Common Requirements for Dust Filters

EQT 0287 EQT 0288 EQT 0289 EQT 0290 EQT 0291 EQT 0292 EQT 0293 EQT 0294 EQT 0295 EQT 0296 EQT 0297 EQT 0298 EQT 0299 EQT 0300 EQT 0301 EQT 0302 EQT 0303 EQT 0304 EQT 0305 EQT 0306
EQT 0307 EQT 0308 EQT 0309 EQT 0310 EQT 0311 EQT 0102 EQT 0103 EQT 0104 EQT 0105 EQT 0106 EQT 0107 EQT 0108 EQT 0109 EQT 0110 EQT 0111 EQT 0112 EQT 0113 EQT 0114 EQT 0115 EQT 0116
EQT 0117 EQT 0118 EQT 0119 EQT 0120 EQT 0121 EQT 0122 EQT 0123 EQT 0124 EQT 0125 EQT 0126 EQT 0127 EQT 0128 EQT 0129 EQT 0130 EQT 0131 EQT 0132 EQT 0133 EQT 0134 EQT 0135 EQT 0136
EQT 0137 EQT 0138 EQT 0139 EQT 0140 EQT 0141 EQT 0142 EQT 0143 EQT 0144 EQT 0145 EQT 0146 EQT 0147 EQT 0148 EQT 0149 EQT 0150 EQT 0151 EQT 0152 EQT 0153 EQT 0154 EQT 0155 EQT 0156
EQT 0157 EQT 0158 EQT 0159 EQT 0160 EQT 0161 EQT 0162 EQT 0163 EQT 0164 EQT 0165 EQT 0166 EQT 0167 EQT 0168 EQT 0169 EQT 0170 EQT 0171 EQT 0172 EQT 0173 EQT 0174 EQT 0175 EQT 0176
EQT 0177 EQT 0178 EQT 0179 EQT 0180 EQT 0181 EQT 0182 EQT 0183 EQT 0184 EQT 0185 EQT 0186 EQT 0187 EQT 0188 EQT 0189 EQT 0190 EQT 0191 EQT 0192 EQT 0193 EQT 0194 EQT 0195 EQT 0196
EQT 0197 EQT 0198 EQT 0199 EQT 0200 EQT 0201 EQT 0202 EQT 0203 EQT 0204 EQT 0205 EQT 0206 EQT 0207 EQT 0208 EQT 0209 EQT 0210 EQT 0211 EQT 0212 EQT 0213 EQT 0214 EQT 0215 EQT 0216
EQT 0217 EQT 0218 EQT 0219 EQT 0220 EQT 0221 EQT 0222 EQT 0223 EQT 0224 EQT 0225 EQT 0226 EQT 0227 EQT 0228 EQT 0229 EQT 0230 EQT 0231 EQT 0232 EQT 0233 EQT 0234 EQT 0235 EQT 0236
EQT 0237 EQT 0238 EQT 0239 EQT 0240 EQT 0241 EQT 0242 EQT 0243 EQT 0244 EQT 0245 EQT 0246 EQT 0247 EQT 0248 EQT 0249 EQT 0250 EQT 0251 EQT 0252 EQT 0253 EQT 0254 EQT 0255 EQT 0256
EQT 0257 EQT 0258 EQT 0259 EQT 0260 EQT 0261 EQT 0262 EQT 0263 EQT 0264 EQT 0265 EQT 0266 EQT 0267 EQT 0268

67	[LAC 33:III.1311.C]	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. Which Months: All Year Statistical Basis: Six-minute average
68	[LAC 33:III.501.C.6]	Filter vents: Opacity <= 20 percent average of the shade or appearance of the emission during the first ninety seconds of startup of a unit routed to the filter and for one minute following the installation of new bags or the cleaning of existing bags. Which Months: All Year Statistical Basis: None specified
69	[LAC 33:III.501.C.6]	Particulate matter (10 microns or less) <= 0.002 gr/dscf from large dust filters. Which Months: All Year Statistical Basis: None specified
70	[LAC 33:III.507.H.1.a]	Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, return the filter to compliance as expeditiously as practicable, but at a maximum within three working days, in accordance with good air pollution control practices for minimizing emissions. Which Months: All Year Statistical Basis: None specified
71	[LAC 33:III.507.H.1.a]	Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shutdown or whenever a visible emissions check indicates maintenance may be necessary. Change elements as necessary. Which Months: All Year Statistical Basis: None specified
72	[LAC 33:III.507.H.1.a]	Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of inspections and maintenance activities on site for a period of at least five years and available for inspection by the Office of Environmental Compliance.
73	[LAC 33:III.507.H.1.a]	Filter vents: Visible emissions monitored by technically sound method upon occurrence of event. Monitor during the first one minute following the bag replacements by a qualified, certified visible emissions inspector, in accordance with 40 CFR 60 Appendix A Method 9, or 40 CFR 60 Appendix A Method 22, if the emission point generally exhibits no visible emissions. If visible emissions are detected by Method 22, perform an opacity reading according to 40 CFR 60 Appendix A Method 9 within 1 hour. Ensure that the BMP plan specifies when opacity readings will be taken in lieu of no visible emissions and the frequency at which readings of percent opacity will be taken Which Months: All Year Statistical Basis: None specified

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CRG 0005 DFILTERS - Common Requirements for Dust Filters

74	[LAC 33:III.507.H.1.a]	Filter vents: Equipment/operational data recordkeeping by electronic or hard copy daily. Keep the purchase order or manufacturer certification showing that the installed filters meet the Manufacturer's specification for particulate matter removal efficiency or the filter MERV rating, as applicable; records of visible emissions checks or differential pressure gauge readings, as applicable; and records of maintenance activities. Keep records on site for a period of at least five years and available for review by the Office of Environmental Compliance.
75	[LAC 33:III.509]	Shall be controlled by dust filters. Shall limit Total suspended particulate <= 0.002 gr/dscf from all large dust filters - Determined as BACT - PSD-LA-747. Which Months: All Year Statistical Basis: Three one-hour test average
76	[LAC 33:III.5109.A]	Shall be controlled by dust filters - Determined as MACT for acrylamide/polyacrylamide.

CRG 0006 TANKS2 - Common Requirements for MON1 Tanks

Group Members: EQT 0360 EQT 0361 EQT 0366 EQT 0367 EQT 0368

77	[40 CFR 63.2450(c)(2)ii]	Permittee shall 1) comply with all the applicable emission limits and work practice standards in Tables 1 through 7 of 40 CFR 63 Subpart FFFF at all times, except during periods of startup, shutdown, and malfunction (SSM), 2) meet the requirements specified in §§63.2455 through 63.2490 (or the alternative means of compliance in §63.2495, §63.2500, or §63.2505), except as specified in 63.2450(b) through (s), and 3) meet the notification, reporting, and recordkeeping requirements specified in §§63.2515, 63.2520, and 63.2525. . [40 CFR 63.2450(c)(2)ii]
78	[40 CFR 63.2470(a)]	HAP >= 95 % reduction by weight, or TOC or organic HAP <= 20 ppmv and hydrogen halides and halogens <= 20 ppmv, by venting emissions through a closed-vent system to any combination of control devices (excluding a flare). Subpart FFFF. [40 CFR 63.2470(a)] Which Months: All Year Statistical Basis: None specified
79	[40 CFR 63.2525]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
80	[LAC 33:III.504]	Vents shall be routed to a thermal oxidizer - Determined as LAER.
81	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Vents shall be routed to a thermal oxidizer - Determined as MACT.

CRG 0007 DRYERS - Common Requirements for Powder Plant Dryers

Group Members: EQT 0082 EQT 0083 EQT 0084 EQT 0085 EQT 0086 EQT 0087 EQT 0088 EQT 0089 EQT 0090 EQT 0091 EQT 0092 EQT 0093 EQT 0094 EQT 0095 EQT 0096 EQT 0097 EQT 0098 EQT 0099 EQT 0100 EQT 0101

SPECIFIC REQUIREMENTS

AI ID: 166443 - Flopam Inc - Flopam Facility
Activity Number: PER20090001
Permit Number: 1280-00141-V0
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CRG 0007 DRYERS - Common Requirements for Powder Plant Dryers

82	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test for PM, NOX, and CO emissions from any two dryers: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Compliance. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
83	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test for PM, NOX, and CO emissions from any two dryers: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources, and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Compliance. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

CRG 0008 TANKS3 - Common Requirements for Pressurized Tanks

Group Members: EQT 0412 EQT 0413 EQT 0414 EQT 0415 EQT 0416 EQT 0417 EQT 0418 EQT 0419 EQT 0420 EQT 0421 EQT 0422 EQT 0423 EQT 0424 EQT 0425 EQT 0426 EQT 0427 EQT 0428 EQT 0429 EQT 0430 EQT 0431 EQT 0432 EQT 0433 EQT 0434 EQT 0435 EQT 0457 EQT 0458 EQT 0459 EQT 0460 EQT 0461 EQT 0462 EQT 0463 EQT 0464 EQT 0465 EQT 0466 EQT 0467 EQT 0468 EQT 0469 EQT 0470 EQT 0471 EQT 0472 EQT 0473 EQT 0474 EQT 0475 EQT 0476 EQT 0477 EQT 0478 EQT 0479 EQT 0480 EQT 0481

84	[LAC 33:III.2103.A]	Shall maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.
85	[LAC 33:III.504]	Shall maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere - Determined as LAER.

CRG 0009 TANKS4 - Common Requirements for Acrylamide Storage Tanks

Group Members: EQT 0026 EQT 0027 EQT 0028 EQT 0029 EQT 0030 EQT 0031 EQT 0032 EQT 0033 EQT 0034 EQT 0035

86	[40 CFR 63.130(f)]	Equipment/operational data recordkeeping by electronic or hard copy annually. Keep records of the information specified in 40 CFR 63.130(f)(1) through (f)(3). Subpart G. [40 CFR 63.130(f)]
87	[LAC 33:III.504]	Tank vents shall be routed to a scrubber - Determined as LAER.
88	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank vents shall be routed to scrubbers - Determined as MACT.

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AI ID: 166443 - Flopam Inc - Flopam Facility
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CRG 0010 NOCVOC - Common Requirements for No VOC Control

Group Members: EQT 0001 EQT 0002 EQT 0003 EQT 0004 EQT 0005 EQT 0344 EQT 0438 EQT 0439 EQT 0440 EQT 0441 EQT 0442 EQT 0443 EQT 0444 EQT 0445 EQT 0446 EQT 0447 EQT 0448 EQT 0449 EQT 0450 EQT 0451 EQT 0452 EQT 0453 EQT 0454 EQT 0455 EQT 0484 EQT 0485 EQT 0486 EQT 0487 EQT 0488 EQT 0489 EQT 0490 EQT 0491 EQT 0492 EQT 0493 EQT 0494 EQT 0495 EQT 0496 EQT 0497 EQT 0498 EQT 0499 EQT 0500 EQT 0501 EQT 0502 EQT 0503 EQT 0504 EQT 0505 EQT 0506 EQT 0507 EQT 0508 EQT 0509 EQT 0510 EQT 0511 EQT 0512 EQT 0513 EQT 0514 EQT 0515 EQT 0516 EQT 0517 EQT 0518 EQT 0519 EQT 0520 EQT 0521 EQT 0522 EQT 0523 EQT 0524 EQT 0525 EQT 0526 EQT 0527 EQT 0528 EQT 0529 EQT 0530 EQT 0531 EQT 0532 EQT 0533 EQT 0534 EQT 0535 EQT 0536 EQT 0537 EQT 0538 EQT 0539 EQT 0540 EQT 0541 EQT 0542 EQT 0543 EQT 0544 EQT 0545 EQT 0546 EQT 0547 EQT 0548 EQT 0549 EQT 0550 EQT 0551 EQT 0552 EQT 0553 EQT 0554 EQT 0555 EQT 0556 EQT 0557 EQT 0558 EQT 0559 EQT 0560 EQT 0561 EQT 0562 EQT 0563 EQT 0564 EQT 0565 EQT 0566 EQT 0567 EQT 0568 EQT 0569 EQT 0570 EQT 0571 EQT 0572 EQT 0573 EQT 0574 EQT 0575 EQT 0576 EQT 0577 EQT 0578 EQT 0579 EQT 0580 EQT 0581 EQT 0582 EQT 0583 EQT 0584 EQT 0585 EQT 0586 EQT 0587 EQT 0588

89 [LAC 33:III.504] No additional control is determined as LAER.

CRG 0011 VOCTOTO - Common Requirements for VOC to TO

Group Members: EQT 0348 EQT 0349 EQT 0350 EQT 0351 EQT 0352 EQT 0353 EQT 0362 EQT 0363 EQT 0364 EQT 0365 EQT 0369 EQT 0370 EQT 0371 EQT 0382 EQT 0436

90 [LAC 33:III.504] Vents shall be routed to a thermal oxidizer - Determined as LAER.

CRG 0012 TANKS5 - Common Requirements for Insulated Tanks

Group Members: EQT 0006 EQT 0007 EQT 0008 EQT 0009 EQT 0010 EQT 0312 EQT 0313 EQT 0314 EQT 0315 EQT 0347

91 [LAC 33:III.504] VOC emissions from the tanks shall be minimized by insulating and cooling the tanks - Determined as LAER.

CRG 0013 VENTSTOSC - Common Requirements for Vents to Scrubbers

Group Members: EQT 0011 EQT 0012 EQT 0013 EQT 0014 EQT 0015 EQT 0016 EQT 0017 EQT 0018 EQT 0019 EQT 0020 EQT 0021 EQT 0022 EQT 0023 EQT 0024 EQT 0025 EQT 0036 EQT 0037 EQT 0038 EQT 0039 EQT 0040 EQT 0046 EQT 0047 EQT 0048 EQT 0049 EQT 0050 EQT 0321 EQT 0322 EQT 0331 EQT 0332 EQT 0356 EQT 0357

92 [LAC 33:III.504] Tank vents shall be routed to scrubbers (EQT0041- EQT0050, EQT0341, EQT0358) - Determined as LAER.

EQT 0341 SCEM1 - Emulsion Plant Line 1-2 Scrubber SCEM1

93 [40 CFR 63.2525] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.

94 [LAC 33:III.507.H.1.a] Flow rate monitored by flow rate monitoring device once every four hours.
Which Months: All Year Statistical Basis: None specified

95 [LAC 33:III.507.H.1.a] Shall determine the minimum scrubbant flow rate for each scrubber during the performance test and include the rates in the Notification of Compliance Status Report as required by 40 CFR 63.152(b). Permittee shall have this permit revised to include the determined minimum scrubbant flow rate for each scrubber.

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EQT 0341 SCEM1 - Emulsion Plant Line 1-2 Scrubber SCEM1

96	[LAC 33:III.507.H.1.a]	Flow rate recordkeeping by electronic or hard copy once every four hours.
97	[LAC 33:III.507.H.1.a]	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. This report can be combined with reports required under LAC 33:III.535.
98	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. TAP emissions shall be controlled by a scrubber - Determined as MACT.

EQT 0342 EM1 - Emulsion Plant Line 3 Through Line 10 - Common Vent EM1

99	[40 CFR 63.2525]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
100	[LAC 33:III.504]	No additional control is determined as LAER.
101	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional control is determined as MACT.

EQT 0354 TO-DAD1 - DADMAC Plant - Thermal Oxidizer TO-DAD1

102	[40 CFR 63.2460(a)]	Organic HAP >= 98 % reduction by weight or organic HAP or TOC <= 20 ppmv. Subpart FFFF. [40 CFR 63.2460(a)] Which Months: All Year Statistical Basis: None specified
103	[40 CFR 63.2525]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
104	[40 CFR 63.983(a)(1)]	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)]
105	[40 CFR 63.983(a)(2)]	Closed-vent systems: Operate at all times when emissions are vented to, or collected by, them. Subpart SS. [40 CFR 63.983(a)(2)]
106	[40 CFR 63.983(a)(3)]	Closed-vent systems (containing bypass lines): 1) Properly install, maintain, and operate a flow indicator at the entrance of any bypass line that is capable of taking periodic readings. Records shall be generated as specified in 40 CFR 63.998(d)(1)(ii)(A), or 2) 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)]
107	[40 CFR 63.983(b)(1)(i)(A)]	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
108	[40 CFR 63.983(b)(1)(i)(B)]	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
109	[40 CFR 63.983(b)(1)(ii)]	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

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EQT 0354 TO-DAD1 - DADMAC Plant - Thermal Oxidizer TO-DAD1

110	[40 CFR 63.983(b)(2)(i)]	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)]
111	[40 CFR 63.983(b)(2)(ii)]	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
112	[40 CFR 63.983(b)(3)(i)]	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)]
113	[40 CFR 63.983(b)(3)(ii)]	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
114	[40 CFR 63.983(b)(4)]	Closed-vent systems (containing bypass lines): 1) If flow indicator is used, take a reading every 15 minutes, or 2) 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)] Which Months: All Year Statistical Basis: None specified
115	[40 CFR 63.983(d)(1)]	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)]
116	[40 CFR 63.983(d)(2)]	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)]
117	[40 CFR 63.983(d)(3)]	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)]
118	[40 CFR 63.988(a)(2)]	Operate at all times when emissions are vented to control device. Subpart SS. [40 CFR 63.988(a)(2)]
119	[40 CFR 63.988(b)(1)]	Conduct an initial performance test according to the procedures in 40 CFR 63.997, except as specified in 40 CFR 63.997(b) and 40 CFR 63.988(b)(2). Subpart SS. [40 CFR 63.988(b)(1)]
120	[40 CFR 63.988(c)(1)]	Temperature monitored by temperature monitoring device 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. [40 CFR 63.988(c)(1)] Which Months: All Year Statistical Basis: None specified
121	[40 CFR 63.998]	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.

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Activity Number: PER20090001
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Air - Title V Regular Permit Initial

EQT 0354 TO-DAD1 - DADMAC Plant - Thermal Oxidizer TO-DAD1

122	[40 CFR 63.999(a)(1)(i)]	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)]
123	[40 CFR 63.999(a)(1)(ii)]	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)]
124	[40 CFR 63.999(a)(1)(iii)]	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)]
125	[40 CFR 63.999(a)(1)(iv)]	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)]
126	[40 CFR 63.999(b)]	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)]
127	[40 CFR 63.999(c)]	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)]
128	[40 CFR 63.999(d)(1)]	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)]
129	[40 CFR 63.999(d)(2)]	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)]
130	[LAC 33:III.504]	Nitrogen oxides <= 0.133 lb/MMBTU - using good equipment design and proper combustion techniques - Determine as LAER and BACT - PSD-LA-747. [LAC 33:III.504, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
131	[LAC 33:III.504]	VOC, Total <= 0.005 lb/MMBTU (99% control efficiency) - using good equipment design and proper combustion techniques - Determine as LAER. Which Months: All Year Statistical Basis: Three one-hour test average

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EQT 0354 TO-DAD1 - DADMAC Plant - Thermal Oxidizer TO-DAD1

132	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test for VOC (total): Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer. Use alternate stack tests methods only with the prior approval of the Office of Environmental Compliance. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
133	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test for VOC (total): Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Compliance. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
134	[LAC 33:III.509]	Particulate matter (10 microns or less) <= 0.008 lb/MMBTU - using good equipment design and proper combustion techniques, fueled by natural gas or propane - Determine as BACT - PSD-LA-747. Which Months: All Year Statistical Basis: Three one-hour test average
135	[LAC 33:III.509]	Carbon monoxide <= 0.08 lb/MMBTU - using good equipment design and proper combustion techniques - Determine as BACT - PSD-LA-747. Which Months: All Year Statistical Basis: Three one-hour test average

EQT 0355 SC-DAD1 - DADMAC Plant - Thermal Oxidizer Vent Scrubber SC-DAD1

136	[40 CFR 63.2455(a)]	Hydrogen halides and halogen HAP => 99% reduction, or hydrogen halides and halogen HAP <= 0.45 kg/hr, or hydrogen halides and halogen HAP <= 20 ppmv. Subpart FFFF. [40 CFR 63.2455(a)]
137	[40 CFR 63.2525]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
138	[LAC 33:III.1101.B]	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. Which Months: All Year Statistical Basis: None specified
139	[LAC 33:III.1311.C]	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. Which Months: All Year Statistical Basis: Six-minute average

EQT 0359 TEP1 - Epichlorohydrin Tank TEP1

SPECIFIC REQUIREMENTS

AI ID: 166443 - Flopam Inc - Flopam Facility
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EQT 0359 TEP1 - Epichlorohydrin Tank TEP1

140	[40 CFR 63.2470(e)]	Implement vapor balancing in accordance with 40 CFR 63.1253(f), except as specified in 40 CFR 63.2470(e)(1) through (e)(3). Subpart FFFF. [40 CFR 63.2470(e)]
141	[40 CFR 63.2525]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
142	[LAC 33:III.504]	Shall operate with vapor balancing systems - Determined as LAER.

EQT 0374 TALC1 - ADAM Plant - Alcohol Co-Product Tank TALC1

143	[40 CFR 63.2475(a)]	Implement vapor balancing in accordance with 40 CFR 63.1253(f), except as specified in 40 CFR 63.2470(e)(1) through (e)(3). Subpart FFFF. [40 CFR 63.2475(a), 40 CFR 63.2470(e)]
144	[40 CFR 63.2525]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
145	[LAC 33:III.2103.A]	Equip with a submerged fill pipe.
146	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
147	[LAC 33:III.2103.I]	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.
148	[LAC 33:III.504]	Shall operate with vapor balancing systems - Determined as LAER.

EQT 0375 TALC2 - ADAM Plant - Alcohol Co-Product Tank TALC2

149	[40 CFR 63.2475(a)]	Implement vapor balancing in accordance with 40 CFR 63.1253(f), except as specified in 40 CFR 63.2470(e)(1) through (e)(3). Subpart FFFF. [40 CFR 63.2475(a), 40 CFR 63.2470(e)]
150	[40 CFR 63.2525]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
151	[LAC 33:III.2103.A]	Equip with a submerged fill pipe.
152	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
153	[LAC 33:III.2103.I]	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.
154	[LAC 33:III.504]	Shall operate with vapor balancing systems - Determined as LAER.

EQT 0376 THX1 - ADAM Plant - Hexane Storage Tank THX1

155	[LAC 33:III.2103.A]	Equip with a submerged fill pipe.
156	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
157	[LAC 33:III.2103.I]	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.

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EQT 0376 THX1 - ADAM Plant - Hexane Storage Tank THX1

158	[LAC 33:III.504]	Shall operate with vapor balancing systems - Determined as LAER.

EQT 0377 TRA1 - ADAM Plant - Dimethylaminoethanol Tank TRA1

159	[LAC 33:III.504]	Shall operate with vapor balancing systems - Determined as LAER.

EQT 0378 TRA2 - ADAM Plant - Dimethylaminoethanol Tank TRA2

160	[LAC 33:III.504]	Shall operate with vapor balancing systems - Determined as LAER.

EQT 0383 TO-CM1 - Chloromethylation Plant - Thermal Oxidizer TO-CM1

161	[40 CFR 63.2455]	Organic HAP >= 98 % reduction by weight or organic HAP or TOC <= 20 ppmv. Subpart FFFF. Which Months: All Year Statistical Basis: None specified
162	[40 CFR 63.2525]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
163	[40 CFR 63.983(a)(1)]	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)]
164	[40 CFR 63.983(a)(2)]	Closed-vent systems: Operate at all times when emissions are vented to, or collected by, them. Subpart SS. [40 CFR 63.983(a)(2)]
165	[40 CFR 63.983(a)(3)]	Closed-vent systems (containing bypass lines): 1) Properly install, maintain, and operate a flow indicator at the entrance of any bypass line that is capable of taking periodic readings. Records shall be generated as specified in 40 CFR 63.998(d)(1)(ii)(A), or 2) 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)]
166	[40 CFR 63.983(b)(1)(i)(A)]	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
167	[40 CFR 63.983(b)(1)(i)(B)]	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
168	[40 CFR 63.983(b)(1)(ii)]	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
169	[40 CFR 63.983(b)(2)(i)]	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)]

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EQT 0383 TO-CM1 - Chloromethylation Plant - Thermal Oxidizer TO-CM1

170	[40 CFR 63.983(b)(2)(ii)]	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
171	[40 CFR 63.983(b)(3)(i)]	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)]
172	[40 CFR 63.983(b)(3)(ii)]	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
173	[40 CFR 63.983(b)(4)]	Closed-vent systems (containing bypass lines): 1) If flow indicator is used, take a reading every 15 minutes, or 2) 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)] Which Months: All Year Statistical Basis: None specified
174	[40 CFR 63.983(d)(1)]	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)]
175	[40 CFR 63.983(d)(2)]	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)]
176	[40 CFR 63.983(d)(3)]	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)]
177	[40 CFR 63.988(a)(2)]	Operate at all times when emissions are vented to control device. Subpart SS. [40 CFR 63.988(a)(2)]
178	[40 CFR 63.988(b)(1)]	Conduct an initial performance test according to the procedures in 40 CFR 63.997, except as specified in 40 CFR 63.997(b) and 40 CFR 63.988(b)(2). Subpart SS. [40 CFR 63.988(b)(1)]
179	[40 CFR 63.988(c)(1)]	Temperature monitored by temperature monitoring device 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. [40 CFR 63.988(c)(1)] Which Months: All Year Statistical Basis: None specified
180	[40 CFR 63.998]	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.
181	[40 CFR 63.999(a)(1)(i)]	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)]

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EQT 0383 TO-CM1 - Chloromethylation Plant - Thermal Oxidizer TO-CM1

182	[40 CFR 63.999(a)(1)(ii)]	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)]
183	[40 CFR 63.999(a)(1)(iii)]	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)]
184	[40 CFR 63.999(a)(1)(iv)]	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)]
185	[40 CFR 63.999(b)]	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)]
186	[40 CFR 63.999(c)]	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)]
187	[40 CFR 63.999(d)(1)]	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)]
188	[40 CFR 63.999(d)(2)]	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)]
189	[LAC 33:III.504]	Nitrogen oxides <= 0.133 lb/MMBTU - using good equipment design and proper combustion techniques - Determine as LAER and BACT - PSD-LA-747. [LAC 33:III.504, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
190	[LAC 33:III.504]	VOC, Total <= 0.005 lb/MMBTU (99% control efficiency) - using good equipment design and proper combustion techniques - Determine as LAER. Which Months: All Year Statistical Basis: Three one-hour test average
191	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test for VOC (total): Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A. Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Compliance. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

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EQT 0383 TO-CM1 - Chloromethylation Plant - Thermal Oxidizer TO-CM1

192	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test for VOC (total): Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer. Use alternate stack tests methods only with the prior approval of the Office of Environmental Compliance. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
193	[LAC 33:III.509]	Particulate matter (10 microns or less) <= 0.008 lb/MMBTU - using good equipment design and proper combustion techniques, fueled by natural gas or propane - Determine as BACT - PSD-LA-747. Which Months: All Year Statistical Basis: Three one-hour test average
194	[LAC 33:III.509]	Carbon monoxide <= 0.08 lb/MMBTU - using good equipment design and proper combustion techniques - Determine as BACT - PSD-LA-747. Which Months: All Year Statistical Basis: Three one-hour test average

EQT 0384 SC-CM1 - Chloromethylation Plant - Thermal Oxidizer Vent Scrubber SC-CM1

195	[40 CFR 63.2455(a)]	Hydrogen halides and halogen HAP => 99% reduction, or hydrogen halides and halogen HAP <= 0.45 kg/hr, or hydrogen halides and halogen HAP <= 20 ppmv. Subpart FFFF. [40 CFR 63.2455(a)]
196	[40 CFR 63.2525]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
197	[LAC 33:III.1101.B]	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. Which Months: All Year Statistical Basis: None specified
198	[LAC 33:III.1311.C]	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. Which Months: All Year Statistical Basis: Six-minute average

EQT 0436 TAN13 - AN Day Storage Tank TAN13

199	[LAC 33:III.2103.A]	Equip with a submerged fill pipe.
200	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
201	[LAC 33:III.2103.I]	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.

EQT 0437 SOLCC - Solvent Cold Cleaners SOLCC

202	[LAC 33:III.2125.C.1]	Install one of the control devices specified in LAC 33:III.2125.C.1.a through c, if the solvent volatility is greater than 2.3 kPa (0.6 psi) measured at 38 degrees C (100 degrees F) or if the solvent is heated to above 50 degrees C (120 degrees F).

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EQT 0437 SOLCC - Solvent Cold Cleaners SOLCC

203	[LAC 33:III.2125 C.1]	Do not operate or maintain a system utilizing a volatile organic compound for the cold cleaning of objects without a cover that can be opened or closed easily.
204	[LAC 33:III.2125 C.2]	Do not operate or maintain a system using a volatile organic compound for cold cleaning of objects without complying with the operating procedures specified in LAC 33:III.2125.C.2.a through j.
205	[LAC 33:III.2125 E]	Demonstrate compliance with LAC 33:III.2125 by applying the test methods specified in LAC 33:III.2125.E.1 through E.4, as applicable.
206	[LAC 33:III.2125 F]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the amount and type of solvent purchased each month; the amount and type of waste solvent disposed of each month; records of control equipment maintenance, such as replacement of the carbon in a carbon adsorption unit, when applicable; and results of all tests conducted in accordance with the requirements described in LAC 33:III.2125.E. Maintain records at the facility for at least two years.
207	[LAC 33:III.2125 G]	Achieve compliance with LAC 33:III.2125 as expeditiously as possible but in no event later than one year after becoming an affected facility.
208	[LAC 33:III.504]	Shall be equipped with a cover - Determined as LAER.

FUG 0001 FUG - Sitewide Fugitive Emissions

209	[40 CFR 60.480a(e)(1)]	Shall comply with 40 CFR 60 Subpart VVa and 40 CFR 63 Subparts H and FFFF by complying with all applicable provisions of 40 CFR 65 Subpart F. [40 CFR 60.480a(e)(1), 40 CFR 63.160(g), 40 CFR 63.Subpart FFFF(Table 6)]
210	[40 CFR 65.105]	Leaked components shall be repaired in accordance with 40 CFR 65.105.
211	[40 CFR 65.106(b)(3)]	Monitor each valve in light liquid or gas/vapor service initially monthly, then per the frequency specified in 40 CFR 65.106(b)(3). [40 CFR 65.106(b)(3)]
212	[40 CFR 65.107(b)(1)]	Monitor each pump in light liquid service monthly to detect leaks by the specified methods. Visually inspect pumps weekly for indications of liquids dripping from the pump seal. [40 CFR 65.107(b)(1)]
213	[40 CFR 65.108(b)(3)]	Monitor all connectors in gas/vapor or light liquid service within 12 month after start-up. Thereafter, the frequency will be every 1 to 8 years per 40 CFR 65.108(b)(3). [40 CFR 65.108(b)(3)]
214	[40 CFR 65.109(b)]	Monitor agitators in gas/vapor and light liquid service monthly, and visually inspect each agitator each calendar week for indications of dripping liquids. [40 CFR 65.109(b)]
215	[40 CFR 65.110(b)]	Pumps, valves, connectors, and agitators in heavy liquid services; instrument systems; pressure relief devices in liquid service; and instrumentation systems: Monitor within 5 days if evidence of potential leak is detected by visual, audible, olfactory, or any other detection method. [40 CFR 65.110(b)]
216	[40 CFR 65.111(c)]	Pressure Relief devices in gas/vapor service: After a pressure release, the device must be monitored as required. [40 CFR 65.111(c)]
217	[40 CFR 65.113]	Sample connection system: Shall follow the design standards as specified.
218	[40 CFR 65.114]	Open-ended valves or lines: Shall follow the design standards as specified.
219	[40 CFR 65.119(b)(6)]	When a leak is detected, Permittee shall maintain records of the date the leak was detected, equipment identification, and the instrument operator's name. [40 CFR 65.119(b)(6), 40 CFR 65.104(e)(2)]
220	[40 CFR 65.119(b)(7)]	For all repairs, record the date of first attempt to repair the leak; the date of successful repair of the leak; the maximum instrument reading after it is successfully repaired or determined to be non-reparable; the reason for delay if leak is not repaired within 15 calendar days after discovery of the leak; and dates of process unit shutdowns that occur while the equipment is unrepaired. [40 CFR 65.119(b)(7), 40 CFR 65.(d)and (f)]

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221	[40 CFR 65.119(b)(8)]	Maintain records of the representative composition of the process fluid for determining instrument response factors. [40 CFR 65.119(b)(8), 40 CFR 65.104(b)(2)i]
222	[40 CFR 65.119(b)(9)]	Maintain records on detection limit calibration. [40 CFR 65.119(b)(9), 40 CFR 65.104(b)(3)]
223	[40 CFR 65.119(b)]	Permittee shall identify equipment subject to this subpart, either though physical tagging log, identification on a site plan, etc. Identify equipment specifically subject to 40 CFR 65.106 to 65.115 per 65.103(b). Identify equipment in service less than 300 hours per year. Record components unsafe or difficult to monitor and repair and, as applicable, the plan for monitoring such components. Keep records associated with determination of equipment that is in heavy liquid service. [40 CFR 65.119(b), 40 CFR 65.103]
224	[40 CFR 65.119(c)(1)]	For valves: Maintain records of monitoring schedule and, if applicable, valve subgrouping records. [40 CFR 65.119(c)(1), 40 CFR 65.106(b)]
225	[40 CFR 65.119(c)(2)]	For pumps: Document visual inspections and design criteria for dual mechanical seal pumps. [40 CFR 65.119(c)(2), 40 CFR 65.107(b)(4),(e)]
226	[40 CFR 65.119(c)(3)]	For connectors: Maintain monitoring schedule for each process unit. [40 CFR 65.119(c)(3), 40 CFR 65.108(b)(3)v]
227	[40 CFR 65.119(c)(4)]	For agitators: Document agitator seal visual inspections and design criteria and other records per 40 CFR 65.109(e)(1)(vi)(B). [40 CFR 65.119(c)(4), 40 CFR 65.109(b)(,e)]
228	[40 CFR 65.119(c)(5)]	For pressure relief devices in gas/vapor or light liquid service: Record dates of monitoring and results or the date a rupture disk is replaced. [40 CFR 65.119(c)(5), 40 CFR 65.111(c)(,e)]
229	[40 CFR 65.120(a)(,b)]	Submit inital compliance status report and semiannual/periodic reports - 40 CFR 65.5(d), (e), 63.2515, 63.2520. [40 CFR 65.120(a)(,b)]
230	[LAC 33:III.2111]	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.
231	[LAC 33:III.504]	Shall comply with all applicable provisions of 40 CFR 65 Subpart F - Determined as LAER.

FUG 0002 ROAD - Roadway Fugitive Emissions

232	[LAC 33:III.1305]	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.A.1-7.
233	[LAC 33:III.509]	Main roadways will be paved where practical. Precautions shall be taken to prevent dust from becoming airborne - Determined as BACT for PM/PM10/PM2.5 - PSD-LA-747

GRP 0031 ATB1 - ATBS Plant - Bagging Areas Operations

Group Members: EQT 0385EQT 0386EQT 0387EQT 0388EQT 0389EQT 0390EQT 0391EQT 0392EQT 0393EQT 0394EQT 0395EQT 0396

234	[LAC 33:III.509]	No additional control is determined as BACT for PM/PM10/PM2.5 - PSD-LA-747.

GRP 0032 BOILERS - Boilers Group and Common Requirements

Group Members: EQT 0402EQT 0403EQT 0404EQT 0405EQT 0406EQT 0407EQT 0408EQT 0409EQT 0410EQT 0411

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GRP 0032 BOILERS - Boilers Group and Common Requirements

235	[40 CFR 60.48c(a)]	Submit notification: Due as specified in 40 CFR 60.7. Submit the date of construction or reconstruction and actual startup. Include the information specified in 40 CFR 60.48c(a)(1) through (a)(4) as applicable. Subpart Dc. [40 CFR 60.48c(a)]
236	[40 CFR 60.48c(g)(2)]	Fuel rate recordkeeping by electronic or hard copy daily. Keep records of the amount of each fuel combusted monthly. Subpart Dc. [40 CFR 60.48c(g)(2)]
237	[40 CFR 60.48c(i)]	Maintain all records required under 40 CFR 60.48c for a period of 2 years following the date of such record. Subpart Dc. [40 CFR 60.48c(i)]
238	[LAC 33:III.1101.B]	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. Which Months: All Year Statistical Basis: None specified
239	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input. Which Months: All Year Statistical Basis: None specified
240	[LAC 33:III.504]	Nitrogen oxides <= 0.015 lb/MMBTU or NOX <= 9.0 ppmv - using ultra low NOX burners (ULNB) - Determine as LAER and BACT - PSD-LA-747. [LAC 33:III.504, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
241	[LAC 33:III.504]	VOC, Total <= 0.003 lb/MMBTU (natural gas fired) or VOC, total <= 0.008 lb/MMBTU (alcohol fired) - using good equipment design and proper combustion techniques - Determine as LAER. Which Months: All Year Statistical Basis: Three one-hour test average
242	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test for NOX and CO emissions from any two boilers: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Compliance. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
243	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test for NOX and CO emissions from any two boilers: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Compliance. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
244	[LAC 33:III.509]	Carbon monoxide <= 0.037 lb/MMBTU - using good equipment design and proper combustion techniques - Determine as BACT - PSD-LA-747. Which Months: All Year Statistical Basis: Three one-hour test average

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245	[LAC 33:III.509]	Total suspended particulate <= 0.005 lb/MMBTU - using good equipment design and proper combustion techniques, fueled by natural gas or alcohol - Determine as BACT - PSD-LA-747. Which Months: All Year Statistical Basis: Three one-hour test average

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246	[40 CFR 60.]	All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
247	[40 CFR 63.]	All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 31 of 40 CFR 63 Subpart F, Table 1A of 40 CFR 63 Subpart G, Table 4 of 40 CFR 63 Subpart H, Table 12 of 40 CFR 63 Subpart FFFF.
248	[40 CFR 82.Subpart F]	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.
249	[LAC 33:III.1103]	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.
250	[LAC 33:III.1109.B]	Outdoor burning of waste material or other combustible material is prohibited.
251	[LAC 33:III.1303.B]	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.
252	[LAC 33:III.2113.A]	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.
253	[LAC 33:III.219]	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.
254	[LAC 33:III.501.C.6]	Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. (State Only).
255	[LAC 33:III.501.C.6]	Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).
256	[LAC 33:III.504]	Comply with the requirements of the Nonattainment New Source Review Program. This permit includes provisions of the Nonattainment New Source Review Procedures (NNSR) from LAC 33:III.504.
257	[LAC 33:III.5105.A.1]	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.
258	[LAC 33:III.5105.A.2]	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.B.

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259	[LAC 33:III.5105.A.3]	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.
260	[LAC 33:III.5105.A.4]	Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
261	[LAC 33:III.5107.A.2]	Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is 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.
262	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
263	[LAC 33:III.5107.A]	Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
264	[LAC 33:III.5107.B.1]	Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that 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).
265	[LAC 33:III.5107.B.2]	Submit notification: Due to SPOC, 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.5112, 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.
266	[LAC 33:III.5107.B.3]	Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, 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. Submit notification in the manner provided in LAC 33:I.3923.
267	[LAC 33:III.5107.B.4]	Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.
268	[LAC 33:III.5107.B.5]	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, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with 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.
269	[LAC 33:III.5113.A.1]	Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
270	[LAC 33:III.5113.A.2]	Submit notification in writing: Due to SPOC 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.

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271	[LAC 33:III.535]	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
272	[LAC 33:III.5609.A.1.b]	Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
273	[LAC 33:III.5609.A.2.b]	Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
274	[LAC 33:III.5609.A.3.b]	Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
275	[LAC 33:III.5609.A]	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.
276	[LAC 33:III.5901.A]	Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
277	[LAC 33:III.5907]	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 59.1of 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.
278	[LAC 33:III.5911.A]	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 Office of Environmental Compliance.
279	[LAC 33:III.5911.C]	Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
280	[LAC 33:III.919.D]	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 unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Compliance. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.