South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 · www.aqmd.gov

June 13, 2014

Mr. Edgar Herrera
HSE Manager
Engineered Polymer Solutions Inc. (Facility ID: 074060)
5501 East Slauson Avenue
Los Angeles, CA 90040

Dear Mr. Herrera:

Subject: Final Title V Renewal Permit

Enclosed is your final Title V renewal permit that has been issued by the South Coast Air Quality Management District (AQMD) under Application No. 549164 for your facility located at 5501 East Slauson Avenue, Los Angeles, CA 90040. This permit has also incorporated the Title V permit revision requested in your Application No. 555044 for replacement of a monomer pre-mix tank and replacement of a low NOx burner of the afterburner. The Title V renewal permit was submitted to USEPA on April 25, 2014 for their 45-day review concurrent with a 30-day public notice published on May 9, 2014. The Title V renewal permit becomes effective on June 13, 2014.

Please review all sections of your Title V renewal permit carefully and make sure that you comply with all requirements including, but not limited to, the monitoring, recordkeeping, and reporting requirements (i.e. semi-annual monitoring report, annual compliance certification report, etc.) specified in this Title V permit. All reporting forms can be downloaded from the AQMD website at http://www.aqmd.gov/home/permits/title-v/title-v-requirements.

Thank you for providing the necessary information that allowed the AQMD to complete the renewal of your Title V permit. Questions concerning your Title V permit should be directed to Stephen Jiang at (909) 396-3134 or sjiang@aqmd.gov.

Sincerely,

Mohan Balagopalan
Senior Manager
Chemical, Mechanical, and Ports Permitting

Enclosures

cc: Gerardo Rios, EPA Region IX
Team F File

FACILITY PERMIT TO OPERATE

ENGINEERED POLYMER SOLUTIONS INC
5501 E SLAUSON AVE
LOS ANGELES, CA 90040

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

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FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR:	ENGINEERED POLYMER SOLUTIONS INC
LEGAL OPERATOR (if different than owner):	
EQUIPMENT LOCATION:	5501 E SLAUSON AVE LOS ANGELES, CA 90040
MAILING ADDRESS:	5523 E SLAUSON AVE LOS ANGELES, CA 90040
RESPONSIBLE OFFICIAL:	SILVIA PINEDA
TITLE:	PLANT MANAGER
TELEPHONE NUMBER:	(323) 889-2515
CONTACT PERSON:	EDGAR HERRERA
TITLE:	HSE MANAGER
TELEPHONE NUMBER:	(323) 889-2533
TITLE V PERMIT ISSUED:	June 13, 2014
TITLE V PERMIT EXPIRATION DATE:	June 12, 2019

TITLE V	RECLAIM	
YES	NOx:	NO
	SOx:	NO
	CYCLE:	0
	ZONE:	COASTAL

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ENGINEERED POLYMER SOLUTIONS INC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

NOT APPLICABLE

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

Facility Equipment and Requirements
(Section D)

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Construct and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.

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ENGINEERED POLYMER SOLUTIONS INC.

PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AND PERMITS TO OPERATE AT THIS FACILITY:

Application number	Permit to Operate number	Equipment description
117186	M36033	STORAGE TANK ORGANICCHEMICALS MISC
117187	M36034	STORAGE TANK ORGANICCHEMICALS MISC
117188	M36035	STORAGE TANK ORGANICCHEMICALS MISC
117189	M36036	STORAGE TANK ORGANICCHEMICALS MISC
117190	M36037	STORAGE TANK ORGANICCHEMICALS MISC
117192	M36039	STORAGE TANK ORGANICCHEMICALS MISC
117193	M36040	STORAGE TANK ORGANICCHEMICALS MISC
117194	M36041	STORAGE TANK ORGANICCHEMICALS MISC
117195	M36042	STORAGE TANK ORGANICCHEMICALS MISC
117197	M36044	STORAGE TANK ORGANICCHEMICALS MISC
117198	M36045	STORAGE TANK ORGANICCHEMICALS MISC
499662	G6692	STORAGE TANK ORGANICCHEMICALS MISC
265915	D67038	BULK LOAD TANK TRUCK MISC ORG CHEM
330595	F8630	STORAGE TANK ORGANIC CHEMICALS MISC
355248	F20949	STORAGE TANK OTHER W/CONTROL MISC ORGANIC CEMICALS
355257	F20948	STORAGE TANK OTHER W/CONTROL MISC ORGANIC CEMICALS
555039	G31509	LATEX EMULSION POLYMERIZATION SYSTEM
422701	F66221	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
499663	G6693	PLASTIC & RESINS REACTION
521524	G15549	CARBON ADSOBER SYSTEM
499661	G6691	STORAGE TANK OTHER W/CONTROL MISC ORG CHEMS
461111	F96087	STORAGE TANK OTHER W/CONTROL MISC ORG CHEMS
461112	F96076	STORAGE TANK OTHER W/CONTROL MISC ORG CHEMS
499670	G6695	AFTERBURNER DIRECT FLAME, 7.26MMBTU
555041	GXXXX	AFTERBURNER DIRECT FLAME, 9.8 MMBTU/HR
477624	F95913	PLASTIC & RESINS, REACTION
499658	G6689	PLASTIC & RESINS, REACTION
478950	F96181	MISC MATERIALS BLENDING
484071	F98015	STORAGE TANK OTHER W/CONTROL MISC ORG CHEMS
503614	G12675	STORAGE TANK PLASTICS & RESINS
C07941	M03595	STORAGE TANK PLASTICS & RESINS
C07942	M03601	STORAGE TANK PLASTICS & RESINS
C07943	M03602	STORAGE TANK PLASTICS & RESINS
C07944	M03603	STORAGE TANK PLASTICS & RESINS
C07945	M03612	STORAGE TANK PLASTICS & RESINS
C07946	M03613	STORAGE TANK PLASTICS & RESINS
C07951	M03618	STORAGE TANK PLASTICS & RESINS
542666	G21956	STORAGE TANK OTHER W/CONTROL MISC ORG CHEMS

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NOTE: EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.

FACILITY PERMIT TO OPERATE
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FACILITY WIDE CONDITION(S)

Condition(s):

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:

   A AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGELMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR

   B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.
   [RULE 401]

2. THE TOTAL QUANTITY OF HAZARDOUS AIR POLLUTANT (HAP) EMISSIONS FROM THIS FACILITY SHALL NOT EXCEED 10 TONS PER 12-MONTH PERIOD OF A SINGLE HAP AND NOT MORE THAN 25 TONS PER 12-MONTH PERIOD OF ALL HAP COMBINED.
   [40 CFR 63 SUBPART FFFF]

3. RECORDS SHALL BE MAINTAINED MONTHLY TO DEMONSTRATE COMPLIANCE WITH CONDITION 2, HAP EMISSIONS SHALL BE CALCULATED FOR THE PRECEDING 12-MONTH PERIOD BY THE 15TH DAY OF THE FOLLOWING MONTH. EMISSIONS SHALL BE CALCULATED USING "PREFERRED AND ALTERNATIVE METHODS FOR ESTIMATING AIR EMISSIONS FROM PAINT AND INK MANUFACTURING FACILITIES, U.S. ENVIRONMENTAL AGENCY, EMISSION INVENTORY IMPROVEMENT PROGRAM, VOLUME II; CHAPTER 8, MARCH 1998" OR A MORE RECENT VERSION AND A PROTOCOL APPROVED BY THE DISTRICT.
   [40 CFR 63 SUBPART FFFF]

4. TO ENSURE COMPLIANCE WITH CONDITION NO. 2, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY THE FOLLOWING ON A DAILY BASIS

   A. NAME AND AMOUNT IN GALLONS FOR EACH BATCH PRODCTION,

   B. A DATABASE CONTAINING EACH PRODUCT NAME AND CONCENTRATION IN WEIGHT PERCENTAGE FOR EACH HAP IN EACH BATCH,

   C. DENSITY OF EACH PRODUCT IN POUND PER GALLON,

   D. PERMIT NUMBER, EFFICIENCY, CONTROL TEMPRATURE OF THE CONTROL DEVICE USED,

   E NAME(S) AND QUANTITY IN GALLONS OF CLEANING MATERIALS USED THAT CONTAIN HAP
   [40 CFR 63 SUBPART FFFF]

5. MAINTAIN A SINGLE LIST WHICH INCLUDES THE COMPANY NAME, PHONE NUMBER AND ADDRESS FROM WHOM THE FACILITY ACQUIRED HAP-CONTAINING MATERIAL.
   [40 CFR 63 SUBPART FFFF]

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ENGINEERED POLYMER SOLUTIONS INC.

6. RETAIN ALL PURCHASE INVOICES FOR ALL HAP-CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE HAP-CONTAINING MATERIAL REMOVED FROM THE FACILITY.
[40 CFR 63 SUBPART FFFF]

7. MATERIAL SAFETY DATA SHEETS FOR ALL MATERIALS PRODUCED AND USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(b)(2) – OFFSET]

8. ALL RECORDS REQUIRED BY THIS PERMIT AND SUPPORTING DOCUMENTATION FOR CONDITIONS NO.5 AND NO.6 SHALL BE MAINTAINED ON FILE FOR EXPEDITIOUS INSPECTION AND REVIEW. THE RECORDS SHALL BE RETAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST, AT MINIMUM THE MOST RECENT TWO YEARS OF RECORDS SHALL BE RETAINED ON SITE.
[40 CFR 63 SUBPART FFFF]

9. ACCIDENTAL RELEASE PREVENTION REQUIREMENTS OF SECTION 112(r)(7):

THE OPERATOR SHALL COMPLY WITH THE ACCIDENTAL RELEASE PREVENTION REQUIREMENTS PURSUANT TO 40 CFR Part 68 AND SHALL SUBMIT TO THE EXECUTIVE OFFICER, AS PART OF ANNUAL COMPLIANCE CERTIFICATION, A STATEMENT THAT CERTIFIES COMPLIANCE WITH ALL THE REQUIREMENTS OF 40 CFR Part 68, INCLUDING THE REGISTRATION AND SUBMISSION OF A RISK MANAGEMENT PLAN (RMP).

THE OPERATOR SHALL SUBMIT ANY ADDITIONAL RELEVANT INFORMATION REQUESTED BY THE EXECUTIVE OFFICER OR DESIGNATED AGENCY.
[40 CFR68-ACCIDENTAL RELEASE PREVENTION]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M36033
A/N 117186

Equipment Description:

STORAGE TANK TF-1, 11'- 0" DIA. X 14'-0" H., 9,953 GALLON CAPACITY, WITH AN AGITATOR, AND INTERNAL STEAM HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF PETROLEUM DISTILLATE
   B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M36034
A/N 117187

Equipment Description:

STORAGE TANK TF-2, 11'- 0" DIA. x 14'-0" H., 9,953 GALLON CAPACITY. WITH AN AGITATOR, AND INTERNAL STEAM HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF PETROLEUM DISTILLATE
   B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M36035
A/N 117188

Equipment Description:

STORAGE TANK TF - 3, 13'- 0" DIA. X 24'-6" H., 24,328 GALLON CAPACITY, WITH INTERNAL STEAM HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF PETROLEUM DISTILLATE
   B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M36036
A/N 117189

Equipment Description:

STORAGE TANK TF - 5, 11'- 0" DIA.. X 14'-0" H., 9,953 GALLON CAPACITY, WITH AN AGITATOR, AND INTERNAL STEAM HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF PETROLEUM DISTILLATE
   B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M36037
A/N 117190

Equipment Description:

STORAGE TANK TF - 6, 11'- 0" DIA. X 14'-0" H., 9,953 GALLON CAPACITY, WITH AN AGITATOR, AND INTERNAL STEAM HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4 THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

A. THE NAME OF PETROLEUM DISTILLATE
B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
[RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M36039
A/N 117192

Equipment Description:

STORAGE TANK TF - 14, 10'- 0" DIA. X 16'-6" H., 9,695 GALLON CAPACITY, WITH AN AGITATOR, AND INTERNAL STEAM HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF PETROLEUM DISTILLATE
   B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M36040
A/N 117193

Equipment Description:

STORAGE TANK TF - 15, 11'- 0" DIA. X 16'-6" H., 11,731 GALLON CAPACITY, WITH AN AGITATOR, AND INTERNAL STEAM HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. RECORD THE NAME OF PETROLEUM DISTILLATE
   B. RECORD THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M36041
A/N 117194

Equipment Description:

STORAGE TANK TF - 17, 11'- 0" DIA. X 18'-6" H., 13,152 GALLON CAPACITY, WITH INTERNAL STEAM HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL T NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF PETROLEUM DISTILLATE
   B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M36042
A/N 117195

Equipment Description:

STORAGE TANK TFX - 1, 7'- 0" DIA. X 10'-4" H., 2,975 GALLON CAPACITY, WITH AN AGITATOR, AND INTERNAL STEAM HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF PETROLEUM DISTILLATE
   B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M36044
A/N 117197

Equipment Description:

STORAGE TANK TFX - 3, 8'- 0" DIA. X 14'-0" H., 5,265 GALLON CAPACITY, WITH AN AGITATOR, AND INTERNAL STEAM HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF PETROLEUM DISTILLATE
   B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M36045
A/N 117198

Equipment Description:

STORAGE TANK TFX - 4, 8'- 0" DIA. X 14'-0" H., 5,265 GALLON CAPACITY, WITH AN AGITATOR, AND INTERNAL STEAM HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF PETROLEUM DISTILLATE
   B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. G6692
A/N 499662

Equipment Description:

STORAGE TANK NO. TFX2, 5,000 GAL. CAPACITY, 7'-11" DIA..X 14'-0" L., WITH AN AGITATOR AND INTERNAL STEAM HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK (TANK NO. TFX2) CAN ONLY STORE COPOLYMER RESIN, SOLVENT CONCENTRATION WILL NOT EXCEED 40 PERCENT.
[RULE1303(b)(2) – OFFSET]

4. THE MAXIMUM-AMOUNT OF COPOLYMER RESIN FILLED INTO THIS EQUIPMENT MUST NOT EXCEED 5,000 GALLONS PER DAY.
RULE 1303(b)(2) – OFFSET]

5. THROUGHPUT RECORDS, TYPES OF LIQUIDS STORED AND THE TRUE VAPOR PRESSURE OF SUCH LIQUIDS SHALL BE MAINTAINED IN A FORMAT ACCEPTABLE BY THE DISTRICT DIRECTOR OF ENFORCEMENT, KEPT ON FILE FOR A MINIMUM OF FIVE YEARS, AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-OFFSET]

6. A TEMPERATURE GAUGE SHALL BE INSTALLED TO MONITOR THE TEMPERATURE OF MATERIALS STORED IN THIS TANK.
[RULE1303(b)(2) – OFFSET]

7. THE TEMPERATURE OF THE MATERIAL IN THIS EQUIPMNET SHALL NOT EXCEED 200 DEGREES F.
[RULE1303(b)(2) – OFFSET]

Periodic Monitoring:

8. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE DAILY TEMPERATURE OF THE MATERIAL STORED IN THE TANK.
[RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. D67038
A/N 265915

Equipment Description:

RESIN TANK TRUCK LOADING STATION CONSISTING OF:

1. TWO (2) FILLING PLATFORMS
2. VAPOR BALANCE SYSTEM, PIPE, NATURAL DRAFT, VENTING TWO (2) TANK TRUCK LOADING STATIONS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE TANK TRUCK'S DISPLACED VAPORS ARE VENTED THROUGH A MANIFOLD TO THE TANK FROM WHICH IT IS BEING FILLED, VIA A GAS-TIGHT VAPOR RETURN LINE.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. F8630
A/N 330595

Equipment Description:

STORAGE TANK NO.7, 12'-0" DIA. X 23'-5" H., 15,000 GALLON CAPACITY.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL ONLY BE USED TO STORE ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF NOT GREATER THAN 3.0 PSI @70 DEGREES FAHRENHEIT.
[RULE 1303(b)(2) – OFFSET]

4. THIS TANK SHALL NOT BE OPERATED UNLESS DURING FILLING AND THERMAL BREATHING IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1) – BACT]

Periodic Monitoring:

5. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF ORGANIC LIQUID
   B. THE VAPOR PRESSURE OF EACH ORANIC LIQUID.
   [RULE 3004 (a)(4)]

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   VOC: RULE 1141

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO CONSTRUCT/OPERATE

Permit No. F20949
A/N 355248

Equipment Description:

STORAGE TANK ST-3, METHYL METHACRYLATE, 9'-O" DIA. X 18'-6" H., 8,000 GALLONS CAPACITY

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AN AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1) – BACT]

4. THIS TANK SHALL ONLY BE FILLED BY THE USE OF A SUBMERGED FILL TUBE.
[RULE 1303(a)(1) – BACT]

Emissions And Requirements:

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   VOC: RULE 1141

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. F20948
A/N 355257

Equipment Description:

STORAGE TANK ST-8, STYRENE OR METHYL METHACRYLATE, 9'-0" DIA. X I 8'-6" H., 8,000 GALLON CAPACITY, WITH A CHILLER TO COOL STYRENE

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMI WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1) - BACT]

4. THIS TANK SHALL ONLY BE FILLED BY THE USE OF A SUBMERGED FILL TUBE.
[RULE 1303(a)(1) - BACT]

Periodic Monitoring:

5. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE NAME(S) OF ORGANIC LIQUID(S).
[RULE 3004 (a)(4)]

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   VOC: RULE 1141

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. G31509
A/N 555039

Equipment Description:

LATEX EMULSION POLYMERIZATION SYSTEM K-5 CONSISTING OF:

1 CHARGE TANK, T-505, 3'-6" DIA. X 4'-2" H., 300 GALLON CAPACITY, WITH AN AGITATOR.

2 MONOMER MIX TANK, T-504, 5'-6" DIA. X 6'- 0" H., 1,100 GALLON CAPACITY, WITH AN AGITATOR.

3 MONOMER MIX TANK, T-501, 7'-8" DIA. X 14'-9" H., 5,000 GALLON CAPACITY, WITH AN AGITATOR.

4. WEIGH TANK, T-502, OXIDIZING CATALYST, 2'-6" DIA. X 4'-0" H., 150 GALLON CAPACITY, WITH AN AGITATOR.

5. WEIGH TANK, T-503, REDUCING CATALYST, 2'-6" DIA. X 4'-0" H., 150 GALLON CAPACITY, WITH AN AGITATOR.

6. REACTOR, K-5, 8'-0" DIA. X 10'-6" H., 3,000 GALLON CAPACITY, WITH INTERNAL WATER COOLING/HEATING COILS AND AN AGITATOR, AND A REFLUX CONDENSER, 1'-5" DIA. X 20'-0" L.

7. NEUTRALIZATION TANK, T-514, 9'-0" DIA. X 13'-8"H., 5,500 GALLON CAPACITY, WITH AN AGITATOR.

8. COOL TANK, T-506, 8' – 0" DIA. X 8' – 0" H., 3,000 GALLON CAPACITY.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE REACTOR (K-5) AND THE MONOMER MIX TANKS (T-501 AND T-504) ARE VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1141, RULE 1303(A)(1) – BACT]

4. THE OPERATOR SHALL LIMIT THE VOC EMISSIONS FROM THIS EQUIPMENT TO NO MORE THAN 181.51 POUNDS PER MONTH.
[RULE 1303(B)(2) – OFFSET]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

5. RECORDS SHALL BE MAINTAINED MONTHLY TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 4, VOC EMISSIONS SHALL BE CALCULATED FOR THE PRECEDING MONTH PERIOD BY THE 15TH DAY OF THE FOLLOWING MONTH. EMISSIONS SHALL BE CALCULATED USING "PREFERRED AND ALTERNATIVE METHODS FOR ESTIMATING AIR EMISSIONS FROM PAINT AND INK MANUFACTURING FACILITIES, U.S. ENVIRONMENTAL PROTECTION AGENCY, EMISSION INVENTORY IMPROVEMENT PROGRAM, VOLUME II; CHAPTER 8, MARCH 1998" OR A MORE RECENT VERSION AND A PROTOCOL APPROVED BY THE DISTRICT.
[RULE 1303(B)(2) – OFFSET]

6. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE I, WITH AN EFFECTIVE DATE OF SEPTEMBER 10, 2010 OR EARLIER, EXCEPT FOR THE FOLLOWING COMPOUNDS SPECIFIED BELOW:

TOXIC AIR CONTAMINANT	CAS NO.
ACRYLIC ACID	79-10-7
DIOXANE, 1,4-	123-91-1
METHANOL	67-56-1
METHYL METHACRYLATE	80-62-6
STYRENE	100-42-5
VINYL ACETATE	108-05-4

[RULE 1401]

Periodic Monitoring

7. MATERIAL SAFETY DATA SHEETS FOR ALL MATERIALS USED IN THIS EQUIPMENT SHALL BE KEPT CURRENT AND BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
[RULE 3004 (A)(4)]

8. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS TO VERIFY COMPLIANCE WITH CONDITION NO. 4 ABOVE. SUCH RECORDS SHALL BE KEPT ON THE PREMISES FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
[RULE 3004 (A)(4)]

Emissions and Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1141
VOC: RULE 1173

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO CONTRSUCT/OPERATE

Permit No. F66221
A/N 422701

Equipment Description:

BOILER, PARKER BOILER, WATER TUBE TYPE, MODEL NO 105-150L, SERIAL NO 30356, 6.3 MM BTU/HR, NATURAL GAS FIRED, EQUIPPED WITH A PARKER LOW NOX PREMIX METAL FIBER BURNER ASSEMBLY PB-36LN, AND A VARIABLE SPEED FAN ASSEMBLY

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS BOILER SHALL COMPLY WITH THE REQUIREMENTS OF RULE 1146.
[RULE 1146]

4. THIS BOILER SHALL NOT EMIT MORE THAN 12 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO2, AND NOT MORE THAN 100 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O_2.
[RULE 1303(a)(1)-BACT]

5. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTING ACCORDING TO THE CONDITIONS IN THIS PERMIT.
[RULE 1146]

6. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.
[RULE 1146]

Periodic Monitoring

7. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) BY CONDUCTING A TEST AT LEAST ONCE EVERY YEAR USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD OR , IF NOT AVAILABLE, A NON-AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE CO CONCENTRATION LIMIT(S). THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004 (a)(4)]

8. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) BY CONDUCTING A TEST AT LEAST ONCE EVERY YEAR USING A PORTABLE ANALYZER AND

AQMD-APPROVED TEST METHOD OR , IF NOT AVAILABLE, A NON- AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE NOX CONCENTRATION LIMIT(S). THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004 (a)(4)]

Emissions and Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: 0.1 GR/SCF, RULE 409
NOx: 20 PPMV, RULE 1146
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
CO: 100 PPMV, RULE 1303(a)(1)-BACT
NOx: 12 PPMV, RULE 1303(a)(1)-BACT

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. G6693
A/N 499663

Equipment Description:

ALKYD-VINYL COPOLYMERIZATION SYSTEM CONSISTING OF:

1. TANK 406, COPOLYMER MONOMER FEED TANK, 7'-0" DIA. X 11'-8" H., 2500 GALLON CAPACITY,

2. TANK 407, COPOLYMER CATALYST FEED TANK, 3'-5" DIA. X 8'-4" H., 500 GALLON CAPACITY.

3. THIN DOWN TANK, T-401, 8'-0" DIA. X 12'-3" H., 3,500 GALLON CAPACITY WITH AN AGITATOR AND A CONDENSER, SHELL-AND TUBE TYPE, 1'-1" DIA. X 11'-6" L., COMMON TO KETTLE #2.

4. THIN DOWN TANK, T-402, 9'-0" DIA. X 15'-0" H., 6,551 GALLON CAPACITY WITH AN AGITATOR AND A CONDENSER, SHELL-AND TUBE TYPE, 1'-3" DIA. X 7'-0" L., COMMON TO KETTLE #2.

5. THIN DOWN TANK, T-403, 10'-0" DIA. X 18'-0" H., 10,000 GALLON CAPACITY WITH AN AGITATOR AND A CONDENSER, SHELL-AND TUBE TYPE, 1'-6" DIA. X 17'-6" L., COMMON TO KETTLE #3.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED,UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF GREATER THAN 0.561 PSI AT 70 DEGREE FAHRENHEIT.
[RULE 1303(b)(2) – OFFSET]

4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY OF THE COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINATNTS IN RULE 1401 AS AMENDED JUNE 5, 2009, OTHER THAN:

A. XYLENES	CAS NO. 1330-20-7
B. STYRENE	CAS NO. 100-42-5
C. ETHYLBENZENE	CAS NO. 100-41-4
D. ETHYLENE GLYCOL	CAS NO. 107-21-1
E. FORMALDEHYDE	CAS NO. 50-0-0
F. METHYL METHACRYLATE	CAS NO. 80-62-6

[RULE 1401]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

5. THE QUANTITY OF MATERIAL PROCESSED IN TANK T-406 SHALL NOT EXCEED 18,000 GALLONS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) – OFFSET]

6. THE QUANTITY OF MATERIAL PROCESSED IN TANK T-407 SHALL NOT EXCEED 1,500 GALLONS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) – OFFSET]

7. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303 (a)(1) – BACT]

Emissions and Requirements:

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   VOC: RULE 1141

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO CONSTRUCT/OPERATE

Permit No. F99146
A/N 434661

Equipment Description:

AIR POLUTION CONTROL SYSTEM CONSISTING OF:

1. CARBON ADSORBER, BAKER CORP., MODEL NO. KLEEN.AIR-3000HPV, WITH TWO 5'-0" DIA. X 8'-0" H. CARBON CANNISTERS ARRANGED IN SERIES, EACH WITH 3000 POUNDS OF CARBON

2. TWO 2 H.P. BLOWERS,VENTING THE FOLLOWING MULTIPLE SOURCES: TWO ALKYD RESIN REACTORS, K2 AND K3, EACH WITH ONE CONDENSER, ONE SURGE TANK, AND ONE DECANTER TANK; FOUR RESIN THIN DOWN TANKS, T-401, T-402, T-403 AND T-404, EACH WITH ONE CONDENSER; ONE LATEX REACTOR, K5, WITH ONE CONDENSER; ONE POLYVINYL ACETATE POLYMERIZATION REACTOR, K6, WITH ONE CONDENSER; ONE WASTE WATER TREATMENT SYSTEM; THIRTEEN TANKS: ST-3 (T-803) OR TBD2, ST-8 (T-808) OR TBD4, T-406;T-407, T-501, T-504, T-601, T-802, T-804, T-807, T-810 OR TBD1, T-811, AND T-812.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT TO ACHIEVE A MINIMUM OVERALL CONTROL EFFICIENCY OF 98.7 % WHEN THE BASIC EQUIPMENT IT SERVES IS IN OPERATION.
[RULE 1141, 1303(a)(1) – BACT]

4. THE ACTIVATED CARBON USED IN THE TWO CARBON CANNISTERS SHALL HAVE A CARBON TETRACHLORIDE NUMBER OF NOT LESS THAN 60 PERCENT AS MEASURED BY ASTM METHOD D3467.
[RULE 1141,1303(a)(1) – BACT]

5. THE CARBON CANNISTERS SHALL BE CONNECTED IN SERIES, EACH CARBON CANNISTER SHALL CONTAIN A MINIMUM OF 3,000 POUNDS OF ACTIVATED CARBON.
[RULE 1141, 1303(a)(1) – BACT]

6. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME BASED ON THE BLOWER OPERATION.
[RULE 1303 (a)(1)-BACT]

7. THE OPERATOR SHALL SET THE ALARM TO WARN THE OPERATOR WHEN THE TOTAL ELAPSED OPERATING HOUR FOR THE CARBON IN THE PRIMARY CARBON CANNISTER REACHES 12

HOURS OR LESS OF OPERATION.
[RULE 1303 (a)(1)-BACT]

8. WHENEVER THE TOTAL ELAPSED OPERATING HOURS FROM THE LAST TIME THE CARBON IN THE PRIMARY CARBON CANNISTER WAS REPLACED IS LESS THAN 12 HOURS, THE OPERATOR SHALL REPLACE THE CARBON AS FOLLOWS:

   A. CARBON IN THE PRIMARY CARBON CANNISTER REPLACED WITH CARBON IN THE SECONDARY CARBON CANNISTER,

   B. CARBON IN THE SECONDARY CARBON CANNISTER REPLACED WITH FRESH CARBON.
   [RULE 1303 (a)(1)-BACT]

9. THE OPERATOR SHALL MAINTAIN A LOG OF RECORDS AS FOLLOWS

   A. DATE, AND OPERATION TIME OF CARBON ADSORBER,

   B. DATE OF CARBON REPLACEMENT OF ACTIVATED CARBON.

   THE RECORDS SHALL BE RETAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.
   [RULE 1303 (a)(1)-BACT]

Emissions and Requirements:

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

    VOC: RULE 1141

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. G6691
A/N 499661

Equipment Description:

STORAGE TANK T-802, FIXED ROOF, 8'-0" DIA. X 21'-0" H., 8,000 GALLON CAPACITY

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF GREATER THAN 89.1 mm HG AT 68 DEGREES FAHRENHEIT.
[RULE 1303(b)(2)- OFFSET]

4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY OF THE COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINATNTS IN RULE 1401 AS AMENDED MARCH 4, 2005, OTHER THAN VINYL ACETATE (CAS NO. 108-05-4).
[RUEL 1401]

5. THE QUANTITY OF MATERIAL PROCESSED IN THIS EQUIPMENT SHALL NOT EXCEED 1,479,599 GALLONS IN ANY CALENDAR YEAR OR 123,300 GALLONS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2)- OFFSET]

6. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1) – BACT]

7. THIS EQUIPMENT SHALL ONLY BE FILLED BY THE USE OF A SUBMERGED FILL TUBE.
[RULE 1303(a)(1) – BACT]

Periodic Monitoring

8. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF ORGANIC LIQUID STORED
   B. THE VAPOR PRESSURE OF EACH ORGANIC LIQUID STORED.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

Emissions and Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   VOC: RULE 1141

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. F96087
A/N 461111

Equipment Description:

STORAGE TANK T-811, FIXED ROOF, 8'-0" DIA. X 21'-0" H., 8,000 GALLON CAPACITY

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF GREATER THAN 0.135 PSI AT 68 DEGREE FAHRENHEIT.
[RULE 1303(b)(2) – OFFSET]

4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY OF THE COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 AS AMENDED MARCH 4, 2005, OTHER THAN XYLENE (CAS NUMBER 1330-20-7).
[RULE 1401]

5. THE QUANTITY OF MATERIAL PROCESSED IN THIS EQUIPMENT SHALL NOT EXCEED 178,606 GALLONS IN ANY CALENDAR YEAR OR 14,883 GALLONS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) – OFFSET]

6. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1) – BACT]

7. THIS EQUIPMENT SHALL ONLY BE FILLED BY THE USE OF A SUBMERGED FILL TUBE.
[RULE 1303(a)(1) – BACT]

Periodic Monitoring

8. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF ORGANIC LIQUID
   B. THE VAPOR PRESSURE OF EACH ORGANIC LIQUID.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

Emissions and Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   VOC: RULE 1141

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. F96076
A/N 461112

Equipment Description:

STORAGE TANK T-812, FIXED ROOF, 8'-0" DIA. X 21'-0" H., 8,000 GALLON CAPACITY

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF GREATER THAN 0.174 PSI AT 68 DEGREE FAHRENHEIT.
[RULE 1303(b)(2) – OFFSET]

4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY OF THE COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 AS AMENDED MARCH 4, 2005.
[RULE 1401]

5. THE QUANTITY OF MATERIAL PROCESSED IN THIS EQUIPMENT SHALL NOT EXCEED 260,881 GALLONS IN ANY CALENDAR YEAR OR 21,740 GALLONS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) – OFFSET]

6. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1) – BACT]

7. THIS EQUIPMENT SHALL ONLY BE FILLED BY THE USE OF A SUBMERGED FILL TUBE.
[RULE 1303(a)(1) – BACT]

Periodic Monitoring

8. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF ORGANIC LIQUID
   B. THE VAPOR PRESSURE OF EACH ORGANIC LIQUID.
   [RULE 3004 (a)(4)]

Emissions and Requirements:

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   VOC: RULE 1141

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. G6695
A/N 499670

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. AFTERBURNER, HIRT, MODEL HIH-SM-3000X, SERIAL NO. 9881073, 4'-3" DIA. X 18'-8" L., DIRECT GAS FIRED, 7,260,000 BTU/HR
2. WASTE HEAT BOILER, ABCO, MODEL 100-WHB, SERIAL NO. 9608-1, 4'-10" DIA. X 20'-6" L., 100 HP
3. SCRUBBER, SPRAY TYPE, VO19, 1'- 4" DIA. X I0'- 0" H., WITH A SEPARATION TANK, T-16, 8'-1" W .X 9'-7" L. X 5'-0" H., 2,950 GALLON CAPACITY AND AN CIRCULATION PUMP
4. ONE VAPOR EXPANSION TANK, T-15, 4'- 0" DIA. X 5'-0" H., 500 GALLON CAPACITY
5. ONE VAPOR CONDENSATE TANK, T-17, 8'- 0" DIA. X 8'-6" H., 3,760 GALLON CAPACITY
6. EXHAUST SYSTEM WITH A 20 HP BLOWER VENTING THE FOLLOWING SOURCES: TWO ALKYD RESIN REACTORS, K2 AND K3, EACH WITH ONE CONDENSER, ONE SURGE TANK, AND ONE DECANTER TANK; FOUR RESIN THIN DOWN TANKS, T-401, T-402, T-403 AND T-404, EACH WITH ONE CONDENSER; ONE LATEX REACTOR, K5, WITH ONE CONDENSER; ONE POLYVINYL ACETATE POLYMERIZATION REACTOR, K6, WITH ONE CONDENSER; ONE WASTE WATER TREATMENT SYSTEM; THIRTEEN TANKS: ST-3 (T-803) OR TBD2, ST-8 (T-808) OR TBD4, T-406, T-407, T-501, T-504, T-601, T-802, T-804, T-807, T-810 OR TBD1, T-811 AND T-812.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS HIRT DIRECT FLAME THERMAL OXIDIZER ACCORDING TO THE FOLLOWING REQUIREMENTS:

   THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,400 DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.

   THE OPERATOR SHALL OPERATE AND MAINTAIN A TEMPERATURE MEASURING AND RECORDING SYSTEM TO CONTINUOUSLY MEASURE AND RECORD THE COMBUSTION CHAMBER TEMPERATURE PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN 1% OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE TEMPERATURE INDICATING AND RECORDING

SYSTEM SHALL BE IN OPERATION WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.

FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 1,400 DEGREES FAHRENHEIT OCCURS DURING NORMAL OPERATION OF THE EQUIPMENT IT SERVES AND THE GAS STREAM INCOMING TO THE COMBUSTION CHAMBER CANNOT BE REROUTED THROUGH THE CARBON ADSORPTION SYSTEM, WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER. THE OPERATOR SHALL REVIEW THE RECORDS OF THE COMBUSTION CHAMBER TEMPERATURE ON A DAILY BASIS TO DETERMINE IF A DEVIATION OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN A DEVIATION OCCURS.

WHENEVER A DEVIATION OCCURS, THE OPERATOR SHALL INSPECT THIS EQUIPMENT TO IDENTIFY THE CAUSE OF SUCH A DEVIATION, TAKE IMMEDIATE CORRECTIVE ACTION TO MAINTAIN THE COMBUSTION CHAMBER TEMPERATURE AT OR ABOVE 1,400 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.

ALL DEVIATIONS SHALL BE REPORTED TO THE AQMD PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITION NOS. 22 AND 23 IN SECTION K OF THIS PERMIT. THE REPORT SHALL INCLUDE THE TOTAL OPERATING TIME OF THIS EQUIPMENT AND THE TOTAL ACCUMULATED DURATION OF ALL DEVIATIONS FOR EACH SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT.

THE OPERATOR SHALL SUBMIT AN APPLICATION WITH A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE AQMD IF AN ACCUMULATION OF DEVIATIONS EXCEEDS 5 PERCENT DURATION OF THIS EQUIPMENT'S TOTAL OPERATING TIME FOR ANY SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT. THE REQUIRED QIP SHALL BE SUBMITTED TO THE AQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.

THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE AQMD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40 CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS.
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET, 3004(a)(4), 40CFR Part 64]

4. LIQUID WASTES SHALL NOT BE BURNED IN THE AFTERBURNER.
[RULE 1303(a) – BACT]

5. THIS EQUIPMENT SHALL BE DISCONNECTED FROM THE EXISTING STORAGE TANKS ST-3, ST-8 AND T-810 WHEN IT STARTS VENTING STORAGE TANKS TBD2, TBD4 AND TBD1.
[RULE 1141(b)(1)(B), 1303(a) – BACT]

Periodic Monitoring:

6. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

A. THE TEST SHALL BE CONDUCTED AT LEAST ONCE DURING THE LIFE OF THE PERMIT.

B. THE TEST SHALL BE CONDUCTED NO LATER THAN DECEMBER 19, 2012 UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.

C. THE TEST SHALL BE CONDUCTED TO DETERMINE THE VOC EMISSIONS USING AN APPROVED DISTRICT METHOD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE PERMIT CONDITION(S), RULES AND REGULATIONS.

D. THE SOURCE TEST SHALL BE CONDUCTED WHILE THE OXIDIZER IS OPERATING AT A TEMPERATURE OF NOT LESS THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT. IF THE OPERATING TEMPERATURE DURING THE SOURCE TEST IS GREATER THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT, THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT MAY BE INCREASED TO REFLECT THE OPERATING TEMPERATURE DURING THE SOURCE TEST.

E. THE OPERATOR SHALL COMPLY WITH ADMINISTRATIVE CONDITIONS NOS. 8, 9, AND 10 OF SECTION E OF THIS FACILITY PERMIT.

F. THE OPERATOR SHALL SUBMIT TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SPECIFIED IN CONDITION NO. 9 OF SECTION E OF THIS FACILITY PERMIT TO THE DISTRICT ENGINEERING AND COMPLIANCE DIVISION. THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765

[RULE 3004(a)(4)]

Emissions and Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1141
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
CO: 2000 PPM, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. F95913
A/N 477624

Equipment Description:

ALKYD RESIN MANUFACTURING SYSTEM K-2 CONSISTING OF:

1. REACTOR, 6'-6" DIA. X 10'-9" H., HEATED, TWO BURNERS, EACH 1.25 MMBTU/HR, NATURAL GAS FIRED, WITH AN AGITATOR AND A 5 H.P. COMBUSTION AIR BLOWER,

2. PACKED COLUMN, 1'-8" DIA. X 9'-0" H.

3. CONDENSER, SHELL-AND-TUBE TYPE, 1'-4" DIA. X 12'-7" H.

4. DECANTER, 2'-2" DIA. X 3'-6" H., 69 GALLON CAPACITY

5. SURGE TANK, 1'-0" DIA. X 2'-0" H., 10 GALLON CAPACITY

6. THIN-DOWN TANK, T-402, 9'-0" DIA. X 15'-0" H., 6,551 GALLON CAPACITY WITH AN AGITATOR AND A CONDENSER, SHELL-AND-TUBE TYPE, 1'-3" DIA. X 7'-0" L.

7. THIN-DOWN TANK, T-401, 7'-6" DIA. X 9'-0" H., 3,500 GALLON CAPACITY WITH AN AGITATOR AND A CONDENSER, SHELL-AND-TUBE TYPE, 1'-1" DIA. X 7'-0" L.

8. THIN-DOWN TANK, T-404, 10'-0" DIA. X 18'-0" H., 8,000 GALLON CAPACITY WITH AN AGITATOR AND A CONDENSER, SHELL-AND-TUBE TYPE, 1'-6" DIA. X 17'-6" L (COMMON TO SYTEMS 2 AND 3),

9. VACUUM PUMP (COMMON),

10. FILTER PRESS, PLATE AND FRAME TYPE, SIZE 24" X 24"

11. MIX TANK FILTER AID, 2'-3" DIA. X 3'-6" H. WITH AN AGITATOR (COMMON SYSTEMS 2 AND 3).

12. VAPOR RETURN LINE, WITH A FLEXIBLE HOSE, A TRUCK T-FITTING, A CAMLOC (COMMON TO SYSTEMS 2 AND 3).

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER
[RULE 1303(a)(1)-BACT]

4. THIS EQUIPMENT SHALL COMPLY WITH THE REQUIREMENTS OF RULE 1141.
[RULE 1303(a)(1)-BACT]

5. THE FINISHED PRODUCTS PRODUCED FROM THIS OPERATION SHALL NOT BE DIRECTLY TRANSFERRED TO THE TANK TRUCKS UNLESS THE VAPOR RETURN LINE DESCRIBED IN EQUIPMENT LIST ITEM NO.12 HAS BEEN INSTALLED..
[RULE 1303(a)(1)-BACT]

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 1141
CO:	2000 PPMV, RULE 407
PM:	0.1 GR/SCF, RULE 409
PM:	RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. G6689
A/N 499658

Equipment Description:

RESIN MANUFACTURING SYSTEM 3 CONSISTING OF

1. REACTOR, K-3, 8'-3" DIA. X 12'-6" H., HEATED, TWO BURNERS, EACH 3MM BTU/HR, NATURAL GAS FIRED, WITH A 30 H.P. AGITATOR AND A 10 H.P. COMBUSTION AIR BLOWER

2. PACKED COLUMN, 3'-0" DIA. X 14'-5" H.

3. CONDENSER, SHELL-AND-TUBE TYPE, 1'-6" DIA. X 17'-6" H

4. DECANTER, 3'-0" DIA. X 5'-0" H.

5. SURGE TANK, 2'-0" DIA. X 3'-0" H., WITH A CONDENSATE PUMP.

6. THIN-DOWN TANK, T-403, 10'-0" DIA. X 18'-0" H., 10,000 GALLON CAPACITY WITH AN AGITATOR AND A CONDENSER, SHELL-AND-TUBE TYPE, 1'-6" DIA. X 17'-6" L.

7. THIN-DOWN TANK, T-404, 10'-0" DIA. X 18'-0" H., 8,000 GALLON CAPACITY, WITH AN AGITATOR AND A CONDENSER, SHELL-AND-TUBE TYPE, 1'- 6" DIA. X 17'-6" L.(COMMON TO SYSTEM 2 AND 3),

8. VACUUM PUMP (COMMON TO SYSTEM 2 AND 3),

9. FILTER PRESS, PLATE AND FRAME TYPE, SIZE 36" X 36".

10. MIX TANK FILTER AID, 2'-3" DIA. X 3'-6" H., 104 GALLON, WITH AN AGITATOR (COMMON TO SYSTEM 2 AND 3).

11. VAPOR RETURN LINE, WITH A FLEXIBLE HOSE, A TRUCK T-FITTING, A CAMLOC (COMMON TO SYSTEM 2 AND 3).

12. VACUUM PUMP

13. TWO VACUUM RECEIVERS

14. TWO TOTES, 450 GALLON CAPACITY EACH.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]

4. THIS EQUIPMENT SHALL COMPLY WITH THE REQUIREMENTS OF RULE 1141.
[RULE 1141]

5. THIS EQUIPMENT SHALL EMIT NO MORE THAN 122 POUNDS OF VOC EMISSION PER MONTH.
[RULE 1303(b)(2) – OFFSET]

6. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS TO VERIFY COMPLIANCE WITH CONDITION NO. 5 ABOVE. SUCH RECORDS SHALL BE KEPT ON THE PREMISES FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
[RULE 1303(b)(2) – OFFSET]

Emissions and Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1141
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. F96181
A/N 478950

Equipment Description:

ACRYLIC AND POLYVINYL ACRYLIC LATEX EMULSION POLYMERIZATION SYSTEM K-6 CONSISTING OF:

1. MONOMER TANK, T-601, 9'-0" DIA. X 12'-0" H., 5,000 GALLON CAPACITY, WITH AN AGITATOR, WATER COOLED

2. OXIDIZER TANK, T-602, 4'-0" DIA. X 4'-6" H., 300 GALLON CAPACITY, WITH AN AGITATOR, UNHEATED

3. REDUCER TANK, T-603, 4'-0" DIA. X 4'-6" H., 300 GALLON CAPACITY, WITH AN AGITATOR, UNHEATED

4. REACTOR, K-6, 9'-0" DIA. X 16'-6" H., 5,500 GALLON CAPACITY, WITH AN AGITATOR, VAPOR CONDENSER, STEAM HEATED AND WATER COOLED,

5. COOL TANK, T-606, 9'-6" DIA. X 12'-0" L., 7,159 GALLON CAPACITY, WITH AN AGITATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE REACTOR TANK AND MONOMER TANK ARE FULLY VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER
[RULE 1303(a)(1) – BACT]

4. MATERIAL USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY OF THE COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANATS IN RULE 1401 AS AMENDED DECEMBER 7, 1990.
[RULE 1401]

Emissions and Requirements:

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

VOC: RULE 1141

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. F98015
A/N 484071

Equipment Description:

STORAGE TANK T-810, FIXED ROOF, 8'-0" DIA. X 21'-0" H., 8,000 GALLON CAPACITY

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF GREATER THAN 0.0948 PSI AT 68 DEGREE FAHRENHEIT.
[RULE 1303(b)(2) – OFFSET]

4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY OF THE COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 AS AMENDED MARCH 7, 2008.
[RULE 1401]

5. THE QUANTITY OF MATERIAL PROCESSED IN THIS EQUIPMENT SHALL NOT EXCEED 850,000 GALLONS IN ANY CALENDAR YEAR OR 70,833 GALLONS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) – OFFSET]

6. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1) – BACT]

7. THIS EQUIPMENT SHALL ONLY BE FILLED BY THE USE OF A SUBMERGED FILL TUBE.
[RULE 1303(a)(1) – BACT]

Periodic Monitoring

8. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF ORGANIC LIQUID
   B. THE VAPOR PRESSURE OF EACH ORGANIC LIQUID.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

Emissions and Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   VOC: RULE 1141

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. G15549
A/N 503614

Equipment Description:

STORAGE TANK T-904, FIXED ROOF, 10'-0" DIA. X 12'-0" H., 6,715 GALLON CAPACITY, WITH AN AGITATOR AND INTERNAL HEATING COILS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. MATERIALS USED AT THIS EQUIPMENT SHALL NOT CONTAIN ANY OF THE COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 AS AMENDED ON MARCH 7, 2008.
[RULE 1401]

4. THE QUANTITY OF MATERIAL PROCESSED IN THIS EQUIPMENT SHALL NOT EXCEED 600,000 GALLONS IN ANY CALENDAR YEAR OR 100,000 GALLONS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) – OFFSET]

5. THIS TANK CAN ONLY STORE URETHANE MODIFIED ALKYD RESIN PRODUCT, ITS SOLVENT CONCENTRATION SHALL NOT EXCEED 55 PERCENT BY WEIGHT.
[RULE 1303(b)(2) – OFFSET]

6. A TEMPERATURE GAUGE SHALL BE INSTALLED TO MONITOR THE TEMPERATURE OF MATERIALS STORED IN THIS TANK.
[RULE 1303(b)(2) – OFFSET]

7. THE TANK TEMPERATURE SHALL NOT EXCEED 160 DEGREES F WHEN TRANSFERING MATERIAL TO A DELIVERY TRUCK.
[RULE 1303(b)(2) – OFFSET]

8. THE TOTAL HOURS FOR HEATING THIS TANK SHALL NOT EXCEED 87 HOURS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) – OFFSET]

Periodic Monitoring

9. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETERS OR ITEMS:

   A. DAILY TEMPERATURE OF THE MATERIAL STORED IN THE TANK.
   B. CONDITION NO.8.

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

[RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M03595
A/N C07941

Equipment Description:

STORGE TANK TF-18, 11'-0" DIA. X 16'-6" H., STEAM HEATED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

7. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF PETROLEUM DISTILLATE
   B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M03601
A/N C07942

Equipment Description:

STORGE TANK TF-16, 12'-0" DIA. X 30'-0" H., STEAM HEATED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF PETROLEUM DISTILLATE
   B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M03602
A/N C07943

Equipment Description:

STORGE TANK TF-12, 11'-0" DIA. X 14'-0" H., STEAM HEATED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF PETROLEUM DISTILLATE
   B. THE REID VAPOR PRESSURE OF EACH DISTILLATE.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M03603
A/N C07944

Equipment Description:

STORGE TANK TF-11, 10'-0" DIA. X 13'-4" H.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF ORGANIC LIQUID
   B. THE REID VAPOR PRESSURE OF EACH ORGANIC LIQUID.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M03612
A/N C07945

Equipment Description:

STORGE TANK TF-10, 10'-0" DIA. X 12'-0" H., STEAM HEATED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF ORGANIC LIQUID
   B. THE REID VAPOR PRESSURE OF EACH ORGANIC LIQUID.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M03613
A/N C07946

Equipment Description:

STORGE TANK TF-8, 10'-0" DIA. X 12'-0" H., STEAM HEATED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF ORGANIC LIQUID
   B. THE REID VAPOR PRESSURE OF EACH ORGANIC LIQUID.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. M03618
A/N C07951

Equipment Description:

STORGE TANK TF-7, 10'-0" DIA. X 12'-0" H., STEAM HEATED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. .THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS TANK SHALL NOT BE USED TO STORE A PETROLEUM DISTILLATE HAVING A REID VAPOR PRESSURE OF 3.9 POUNDS OR GREATER.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring

4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   A. THE NAME OF ORGANIC LIQUID
   B. THE REID VAPOR PRESSURE OF EACH ORGANIC LIQUID.
   [RULE 3004 (a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO OPERATE

Permit No. G21956
A/N 542666

Equipment Description:

STORAGE TANK T-804, FIXED ROOF, 8'-0" DIA. X 21'-0" H., 8,000 GALLON CAPACITY.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL NOT BE LOADED WITH PRODUCT UNLESS DISPLACED VAPORS ARE RETURNED TO THE SUPPLY VESSEL.
[RULE 1303(A)(1) – BACT]

4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(A)(1) – BACT]

5. THIS EQUIPMENT SHALL BE USED TO STORE METHYL METHACRYLATE ONLY.
[RULE 1303(B)(2) – OFFSET]

6. THIS EQUIPMENT SHALL NOT BE FILLED UNLESS A SUBMERGED FILL TUBE IS USED.
[RULE 1303(A)(1) – BACT]

7. THIS EQUIPMENT SHALL PROCESS NO MORE THAN 45,000 GALLONS METHYL METHACRYLATE PER CALENDAR MONTH.
[RULE 1303(B)(2) – OFFSET]

8. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE I, WITH EFFECTIVE DATE OF SEPTEMBER 10, 2010 OR EARLIER, EXCEPT FOR METHYL METHACRYLATE (CAS NO. 80-62-6).
[RULE 1401]

Periodic Monitoring

9. MATERIAL SAFETY DATA SHEETS FOR ALL MATERIALS USED IN THIS EQUIPMENT SHALL BE KEPT CURRENT AND BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
[RULE 3004 (A)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

10. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS TO VERIFY COMPLIANCE WITH CONDITION NO. 7 ABOVE. SUCH RECORDS SHALL BE KEPT ON THE PREMISES FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
[RULE 3004 (A)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

PERMIT TO CONSTRUCT

Permit No. GXXXX
A/N 555041

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. AFTERBURNER, DIRECT FLAME TYPE, HIRT, MODEL HIH-SM-3000X, SERIAL NO. 9881073, 4'-3" DIA. X 18'-8" L., WITH A LOW NOX BURNER, 9.8 MMBTU/HR, MAXON, MODEL NO. KINEDIZIER LE, NATURAL GAS FIRED.
2. WASTE HEAT BOILER, ABCO, MODEL 100-WHB, SERIAL NO. 9608-1, 4'-10" DIA. X 20'-6" L., 100 HP.
3. SCRUBBER, SPRAY TYPE, VO19, 1'- 4" DIA. X 10'- 0" H., WITH A SEPARATION TANK, T-16, 8'-1" W. X 9'-7" L. X 5'-0" H., 2,950 GALLON CAPACITY AND AN CIRCULATION PUMP.
4. ONE VAPOR EXPANSION TANK, T-15, 4'- 0" DIA. X 5'-0" H., 500 GALLON CAPACITY.
5. ONE VAPOR CONDENSATE TANK, T-17, 8'- 0" DIA. X 8'-6" H., 3,760 GALLON CAPACITY.
6. EXHAUST SYSTEM WITH A 20 HP BLOWER VENTING THE FOLLOWING SOURCES:
   - A) THREE MIXING TANKS: K-2, T-501 AND T-504
   - B) THREE REACTORS: K-3, K-5 AND K-6
   - C) FOUR RESIN THIN DOWN TANKS: T-401, T-402, T-403 AND T-404
   - D) ELEVEN TANKS: TBD1, TBD2, TBD4, T-406, T-407, T-601, T-802, T-804, T-807, T-811 AND T-812.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.
   [RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
   [RULE 204]

3. THIS EQUIPMENT SHALL BE MAINTAINED AND OPERATED AT A MINIMUM VOC DESTRUCTION EFFICIENCY OF 95% AND AN OVERALL VOC CONTROL EFFICIENCY (COLLECTION AND DESTRUCTION) OF 95% WHEN THE BASIC EQUIPMENT IT SERVES IS IN OPERATION.
   [RULE 1141, RULE 1303(A)(1)-BACT]

4. THE NOX EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 60 PPMV, CALCULATED AS NO_2, BY VOLUME ON A DRY BASIS AT 3% O_2. FOR THE PURPOSE OF THIS CONDITION, THE EMISSION LIMIT SHALL APPLY SOLELY WHEN BURNING 100% FUEL AND NOT WHEN THE BURNER IS INCINERATING AIR TOXIC, VOCS, OR OTHER VAPORS.
   [RULE 1147]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

5. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:

   A. THE SOURCE TESTS SHALL BE CONDUCTED NO LATER THAN 180 DAYS AFTER THE BURNER REPLACEMENT IS COMPLETED UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.

   B. THE SOURCE TESTS SHALL BE CONDUCTED TO VERIFY COMPLIANCE WITH THE NOX EMISSION LIMIT SPECIFIED IN CONDITION NO. 4, ABOVE.

   C. SOURCE TESTING SHALL BE CONDUCTED USING A DISTRICT APPROVED TEST PROTOCOL. THE TEST PROTOCOL SHALL BE SUBMITTED TO THE DISTRICT AT LEAST 90 DAYS PRIOR TO THE SCHEDULED TEST AND APPROVED BY THE DISTRICT SOURCE TESTING DIVISION.

   D. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: STEPHEN JIANG, P.O. BOX 4941, DIAMOND BAR, CA 91765) WITHIN 45 DAYS AFTER THE SOURCE TESTING DATE. THE SOURCE TEST REPORT SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, EMISSIONS RATE IN POUNDS PER HOUR AND CONCENTRATION IN PPMV AT THE OUTLET OF THE BOILER.

   E. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.

   F. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.

   [RULE 1147]

Periodic Monitoring:

6. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS HIRT DIRECT FLAME THERMAL OXIDIZER ACCORDING TO THE FOLLOWING REQUIREMENTS:

   THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,400 DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.

   THE OPERATOR SHALL OPERATE AND MAINTAIN A TEMPERATURE MEASURING AND RECORDING SYSTEM TO CONTINUOUSLY MEASURE AND RECORD THE COMBUSTION CHAMBER TEMPERATURE PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN 1% OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE TEMPERATURE INDICATING AND RECORDING SYSTEM SHALL BE IN OPERATION WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.

   FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 1,400 DEGREES FAHRENHEIT OCCURS DURING NORMAL OPERATION OF THE EQUIPMENT IT SERVES AND THE GAS STREAM

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

INCOMING TO THE COMBUSTION CHAMBER CANNOT BE REROUTED THROUGH THE CARBON ADSORPTION SYSTEM, WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER. THE OPERATOR SHALL REVIEW THE RECORDS OF THE COMBUSTION CHAMBER TEMPERATURE ON A DAILY BASIS TO DETERMINE IF A DEVIATION OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN A DEVIATION OCCURS.

WHENEVER A DEVIATION OCCURS, THE OPERATOR SHALL INSPECT THIS EQUIPMENT TO IDENTIFY THE CAUSE OF SUCH A DEVIATION, TAKE IMMEDIATE CORRECTIVE ACTION TO MAINTAIN THE COMBUSTION CHAMBER TEMPERATURE AT OR ABOVE 1,400 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.

ALL DEVIATIONS SHALL BE REPORTED TO THE AQMD PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITION NOS. 22 AND 23 IN SECTION K OF THIS PERMIT. THE REPORT SHALL INCLUDE THE TOTAL OPERATING TIME OF THIS EQUIPMENT AND THE TOTAL ACCUMULATED DURATION OF ALL DEVIATIONS FOR EACH SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT.

THE OPERATOR SHALL SUBMIT AN APPLICATION WITH A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE AQMD IF AN ACCUMULATION OF DEVIATIONS EXCEEDS 5 PERCENT DURATION OF THIS EQUIPMENT'S TOTAL OPERATING TIME FOR ANY SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT. THE REQUIRED QIP SHALL BE SUBMITTED TO THE AQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.

THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE AQMD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40 CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS.

[RULE 1303(A)(1)-BACT, 1303(B)(2)-OFFSET, 3004(A)(4), 40CFR PART 64]

Emissions and Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

NOX: 60 PPMV, RULE 1147
VOC: RULE 1141
CO: 2000 PPM, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

Periodic Monitoring:

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

   FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

   FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.
   [RULE 3004 (a) (4)]

Emissions and Requirements:

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

   VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

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ENGINEERED POLYMER SOLUTIONS INC.

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL UNHEATED, NON-CONVEYORIZED

Emissions and Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

RULE 219 EQUIPMENT

Equipment Description

RULE 219 EXEMPT EQUIPMENT, VALVES, FITTINGS, PUMPS, COMPRESSORS, PRESSURE RELIEF DEVICES, DIAPHRAGMS, HATCHES, SIGHT-GLASSES, AND METERS, FUGITIVE EMISSIONS.

Emissions and Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

   VOC: RULE 1173

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SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]

   a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]

   b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]

   c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]

2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]

3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]

4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]

FACILITY PERMIT TO OPERATE
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SECTION E: ADMINISTRATIVE CONDITIONS

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]

6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least five years. [204]

7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]

   a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134]

   b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]

   c. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]

   d. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO2) and be averaged over 15 consecutive minutes; [407]

   e. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO2) at standard conditions and averaged over a minimum of 15 consecutive minutes. [409]

SECTION E: ADMINISTRATIVE CONDITIONS

f. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O2) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]

8. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]

a. Brief description of the equipment tested.

b. Brief process description, including maximum and normal operating temperatures, pressures, throughput, etc.

c. Operating conditions under which the test will be performed.

d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).

e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.

f. Description of calibration and quality assurance procedures.

g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (conflict of interest).

9. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD rules or equipment-specific conditions. The report shall contain the following information: [204]

a. The results of the source test.

SECTION E: ADMINISTRATIVE CONDITIONS

b. Brief description of the equipment tested.

c. Operating conditions under which the test was performed.

d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).

e. Field and laboratory data forms, strip charts and analyses.

f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.

10. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]

11. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

FACILITY PERMIT TO OPERATE
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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

NOT APPLICABLE

FACILITY PERMIT TO OPERATE
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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

NOT APPLICABLE

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

See Section D of this permit for any Permit to Construct issued to this facility.

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

FACILITY PERMIT TO OPERATE
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SECTION J: AIR TOXICS

NOT APPLICABLE

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

SECTION K: TITLE V Administration

GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]

2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

   (B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]

4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

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ENGINEERED POLYMER SOLUTIONS INC

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Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:

   (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.

   (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

   (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:

   (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or

   (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

   Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:

   (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;

   (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

   (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

   (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]

10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]

12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]

13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

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14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]

15. Nothing in this permit or in any permit shield can alter or affect:

    (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;

    (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;

    (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;

    (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;

    (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and

    (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]

16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

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SECTION K: TITLE V Administration

EMERGENCY PROVISIONS

17. An emergency[1] constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:

    (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:

        (1) An emergency occurred and the operator can identify the cause(s) of the emergency;

        (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;

        (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,

        (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and

    (B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]

18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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1 "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

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RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:

    (A) The date, place as defined in the Title V permit, and time of sampling or measurements;

    (B) The date(s) analyses were performed;

    (C) The company or entity that performed the analyses;

    (D) The analytical techniques or methods used;

    (E) The results of such analyses; and

    (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]

20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]

21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:

    (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.

(B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.

(C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.

(D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]

23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]

24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:

(A) Identification of each permit term or condition that is the basis of the certification;

(B) The compliance status during the reporting period;

(C) Whether compliance was continuous or intermittent;

(D) The method(s) used to determine compliance over the reporting period and currently, and

(E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn: Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

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FACILITY RULES

This facility is subject to the following rules and regulations

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1113	7-13-2007	Federally enforceable
RULE 1113	9-6-2013	Non federally enforceable
RULE 1141	11-17-2000	Federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1146	9-5-2008	Non federally enforceable
RULE 1147	9-9-2011	Non federally enforceable
RULE 1171	2-1-2008	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 1173	2-6-2009	Federally enforceable
RULE 1173	6-1-2007	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1401	9-10-2010	Non federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3002	11-5-2010	Non federally enforceable
RULE 3003	11-14-1997	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 3003	11-5-2010	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	11-5-2010	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 480	10-7-1977	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 61 Subpart V	4-3-1987	Federally enforceable
40CFR 63 Subpart FFFF	4-20-2006	Federally enforceable
40CFR 68 - Accidental Release Prevention	5-24-1996	Federally enforceable
40CFR Part 64	10-22-1997	Federally enforceable

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APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219

NONE

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]

(1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.

(2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]
TABLE OF STANDARDS
VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Nonflat High Gloss	250		150				50	
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing Concrete/Masonry Sealers	400					100		
Wood Preservatives								
Below-Ground	350							
Other	350							

* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

** Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

*** The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]
TABLE OF STANDARDS (cont.)
VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 09-06-2013]

(1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solid the application of any architectural coating within in the District:

(A) That is listed in the Table of Standards 1 and contains VOC (exclusing any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or

(B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).

(2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 09-06-2013]
TABLE OF STANDARDS 1
VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds

COATING CATEGORY	Ceiling Limit[1]	Current Limit[2]	Effective Date		
			7/1/08	1/1/12	1/1/14
Bond Breakers		350			
Clear Wood Finishes		275			
Varnish	350	275			
Sanding Sealers	350	275			
Lacquer		275			
Concrete-Curing Compounds		100			
Concrete-Curing Compounds For Roadways and Bridges[3]		350			
Concrete Surface Retarder		250			50
Driveway Sealer		100		50	
Dry-Fog Coatings		150			50
Faux Finishing Coatings					
Clear Topcoat		350		200	100
Decorative Coatings		350			
Glazes		350			
Japan		350			
Trowel Applied Coatings		350		150	50
Fire-Proofing Coatings		350			150
Flats	250	50	50		
Floor Coatings	100	50			
Form Release Compound		250			100
Graphic Arts (Sign) Coatings		500			150
Industrial Maintenance (IM) Coatings	420	100			
High Temperature IM Coatings		420			
Non-SacrificialAnti-Graffiti Coatings		100			
Zinc-Rich IM Primers		100			
Magnesite Cement Coatings		450			
Mastic Coatings		300			100
Metallic Pigmented Coatings	500	500			150
Multi-Color Coatings		250			
Nonflat Coatings	150	50			
Pre-Treatment Wash Primers		420			
Primers, Sealers, and Undercoaters		100			
Reactive Penetrating Sealers		350			

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 09-06-2013]

Recycled Coatings		250			
Roof Coatings		50			
Roof Coatings, Aluminum		100			
Roof Primers, Bituminous		350			
Rust Preventative Coatings	400	100			
Sacrificial Anti-Graffiti Coatings		100		50	
Shellac					
Clear		730			

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 09-06-2013]

COATING CATEGORY	Ceiling Limit[1]	Current Limit[2]	Effective Date		
			7/1/08	1/1/12	1/1/14
Pigmented		550			
Specialty Primers		100			
Stains	350	100			
Stains, Interior	250	250			
Stone Consolidant		450			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers		100			
Waterproofing Concrete/Masonry Sealers		100			
Wood Preservatives		350			

1 The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.

2 The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

TABLE OF STANDARDS 1 (cont.)
VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

TABLE OF STANDARDS 2
VOC LIMITS FOR COLORANTS

Grams of VOC Per Liter of Colorant
Less Water and Less Exempt Compounds

COLORANT ADDED TO	Limit[4]
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 02-01-2008]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 02-01-2008]

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 02-01-2008]

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

FACILITY PERMIT TO OPERATE
ENGINEERED POLYMER SOLUTIONS INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-01-2009]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

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[RULE 1171 05-01-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	

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APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-01-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

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APPENDIX B: RULE EMISSION LIMITS
[RULE 404 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter"Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445

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APPENDIX B: RULE EMISSION LIMITS
[RULE 404 02-07-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter"Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148

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Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter"Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100