

FACILITY PERMIT TO OPERATE SPS TECHNOLOGIES, LLC

Facility Equipment and Requirements (Section D)

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, copies of 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.

FACILITY PERMIT TO OPERATE SPS TECHNOLOGIES, LLC

PERMITTED EQUIPMENT LIST

The following is a list of all permits to construct and permits to operate at this facility:

Application number	Permit number	Equipment description
530889	G17067	STORAGE TANK, PERCHLOROETHYLENE
530890	G17068	CETYL ALCOHOL DIP TANK
530895	G17071	WASTE WATER EVAPORATION
530896	G17072	CARBON ADSORBER
530898	G17074	ELECTROPLATING LINE, NICKEL/CADMIUM PLATING
530900	G17076	DEGREASER PERCHLOROETHYLENE (>1LB VOC/DAY)
556007		WASTE WATER TREATMENT (<10,000 GPD)
556008		SCRUBBER, TOXICS VENTING
556009		ELECTROPLATING LINE, NICKEL PLATING
556010		SCRUBBER, OTHER VENTING S.S.

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.

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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]

**FACILITY PERMIT TO OPERATE
SPS TECHNOLOGIES, LLC**

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**Permit No. G17067
A/N 530889**

Equipment Description:

STORAGE TANK, PERCHLOROETHYLENE, 3'-9 1/2" DIA. X 3'-4" H., UNHEATED.

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**Permit No. G17068
A/N 530890**

Equipment Description:

DIP TANK, CETYL ALCOHOL-BASED DRY LUBRICATIVE COATING, 1'-6" W. X 2'-8" L. X 1'-2" D., 5.72 KW ELECTRICALLY HEATED, WITH A 1/20 HP LIP EXHAUST.

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. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1 GALLON IN ANY ONE DAY.
[RULE 1303(b)(2)-OFFSET]
4. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS, IN POUNDS, AND THE VOC CONTENT OF EACH MATERIAL, AS APPLIED, INCLUDING WATER AND EXEMPT COMPOUNDS. ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET, 109]

Emissions and Requirements:

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

VOC: RULE 1124, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 109

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**Permit No. G17071
A/N 530895**

Equipment Description:

WASTE WATER EVAPORATION EQUIPMENT, WATER EATER, MODEL #85E, 2'- 6" W. X 3'- 1" L. X 3'- 0" H., CAPACITY 85 GALLONS, WITH A 11-15 KW HEATER.

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. THE WASTE PRODUCT PROCESSED BY THIS EQUIPMENT SHALL NOT EXCEED 4,320 GALLONS IN ANY CALENDAR MONTH. THE OIL CONCENTRATION IN THE WASTE SHALL NOT EXCEED FIVE PERCENT.
[RULE 1303(b)(2)-OFFSET]
4. THE OPERATOR SHALL KEEP RECORDS TO SHOW COMPLIANCE WITH CONDITION NO. 3 ABOVE. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]

Emissions and Requirements:

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

VOC: RULE 442

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**Permit No. G17072
A/N 530896**

Equipment Description:

CARBON ADSORBER, SIEMENS, MODEL NO. VSC-200-VC48C, 1'-10" DIA. X 2'-10" H., WITH 200 POUNDS OF ACTIVATED CARBON, VENTING AN AIRLESS VAPOR DEGREASER.

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. THE CARBON IN THE ADSORBER SHALL BE REPLACED WITH FRESH CARBON EVERY 110 DAYS OF OPERATION OF THE DEGREASER.
[RULE 1303(a)(1)-BACT]
4. THE OPERATOR SHALL MAINTAIN RECORDS TO DEMONSTRATE COMPLIANCE WITH CONDITION NUMBER 3. SUCH RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED AT THE FACILITY FOR A PERIOD OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[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 109

VOC: RULE 1122

HAP: 40CFR63 Subpart T, #30, SEE SECTION J FOR REQUIREMENTS

FACILITY PERMIT TO OPERATE SPS TECHNOLOGIES, LLC

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**Permit No. G17074
A/N 530898**

Equipment Description:

ELECTROPLATING LINE CONSISTING OF:

1. NICKEL PLATING TANK, NO. 24, NICKEL SULFAMATE, 3'-0" W. X 3'-6" L. X 3'-6" D., WITH A 2 KW RECTIFIER.
2. CLEANING TANK, NO. 30, NITRIC ACID, 1'-9" W. X 1'-8" L. X 4'-0" D.
3. SPRAY RINSE/COLLECTION TANK, NO. 32, CADMIUM CYANIDE, 1'-9" W. X 2'-2" L. X 4'-0" D.
4. CADMIUM PLATING TANK, NO. 33, CADMIUM CYANIDE, 2'-0" W. X 26'-0" L. X 2'-3" D., WITH A 4.6 KW RECTIFIER.
5. WETTING TANK, NO. 34, SODIUM CYANIDE, 1'-9" W. X 2'-2" L. X 4'-0" D.
6. WETTING TANK, NO. 36, SODIUM CYANIDE, 2'-2" W. X 6'-3" L. X 4'-0" D.
7. CLEANING TANK, NO. 38, HYDROCHLORIC ACID, 2'-1" W. X 4'-9" L. X 4'-0" D., VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
8. ALKALINE CLEANING TANK, NO. 40, SODIUM HYDROXIDE, 2'-2" W. X 7'-10" L. X 4'-0" D., WITH A 2.4 KW RECTIFIER, HOT WATER HEATED, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
9. PASSIVATION TANK, NO. 41, NITRIC ACID/SODIUM CHLORIDE, TWO CHAMBERS EACH 2'-6" W. X 2'-6" L. X 3'-0" D., VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
10. ASSOCIATED RINSE TANKS.

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. THE FOLLOWING TANKS SHALL NOT BE HEATED: CLEANING TANK NO. 30, SPRAY/RINSE COLLECTION TANK NO. 32, WETTING TANKS NOS. 34 AND 36, CLEANING TANK NO. 38 AND

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PASSIVATION TANK NO. 41.
[RULE 402, 1303 (b)(2)-OFFSET]

4. THE FOLLOWING TANKS SHALL NOT BE OPERATED UNLESS VENTED TO AIR POLLUTION CONTROL EQUIPMENT: CLEANING TANK NO. 38, ALKALINE CLEANING TANK NO. 40 AND PASSIVATION TANK NO. 41.
[RULE 1303(a)(1)-BACT]

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**Permit No. G17076
A/N 530900**

Equipment Description:

AIRLESS VACUUM VAPOR DEGREASING SYSTEM CONSISTING OF:

1. DEGREASER, VAPOR SPRAY, SEREC, CUSTOM, 2'-4"W X 3'-4"L X 1'-6"H, 600 POUND CAPACITY.
2. CONDENSER, WATER-COOLED, 12 GALLONS PER MINUTE.
3. TANK, SOLVENT STORAGE, 200 GALLONS CAPACITY.
4. VAPOR SUPPLY TANK, 1-6"DIA. X 10'-3"L.

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 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]
4. FOR THE PURPOSE OF NESHAP COMPLIANCE, THIS EQUIPMENT SHALL NOT USE MORE THAN 352 POUNDS OF PERCHLOROETHYLENE PER MONTH BASED ON A THREE-MONTH ROLLING AVERAGE.
[40CFR63 Subpart T]
5. THE OPERATOR SHALL DETERMINE THE MONTHLY ROLLING AVERAGE FOR THE 3-MONTH PERIOD ENDING WITH THE MOST RECENT MONTH. THE MONTHLY ROLLING AVERAGE WILL BE THE AVERAGE OVER THIS PERIOD.
[40CFR63 Subpart T]
6. THE OPERATOR SHALL ON THE FIRST OPERATING DAY OF EACH MONTH ENSURE THAT THE SOLVENT CLEANING MACHINE SYSTEM CONTAINS ONLY CLEAN LIQUID SOLVENT. THIS INCLUDES, BUT IS NOT LIMITED TO, CLEAN UNUSED SOLVENT, RECYCLED SOLVENT, AND USED SOLVENT THAT HAS BEEN CLEANED OF SOILS.
[40CFR63 Subpart T]

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7. THE OPERATOR SHALL ESTABLISH A FILL LINE PRIOR TO THE OPERATION OF THIS EQUIPMENT. THE SOLVENT LEVEL WITHIN THE MACHINE MUST BE RETURNED TO THE SAME FILL LINE EACH MONTH, IMMEDIATELY PRIOR TO CALCULATING THE MONTHLY EMISSIONS.
[40CFR63 Subpart T]
8. THE OPERATOR SHALL MAINTAIN RECORDS TO DEMONSTRATE COMPLIANCE WITH CONDITION NUMBER 4. SUCH RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED AT THE FACILITY FOR A PERIOD OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[40CFR63 Subpart T, RULE 109, 1303(a)(1)-BACT]
9. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401 TABLE I WITH AN EFFECTIVE DATE OF DECEMBER 7, 1990 OR EARLIER.
[RULE 1401]

Emissions and Requirements:

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

VOC: RULE 109
VOC: RULE 1122
HAP: 40CFR63 Subpart T, #30, SEE SECTION J FOR REQUIREMENTS

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Permit No.
A/N 556007

Equipment Description:

WASTEWATER TREATMENT SYSTEM CONSISTING OF:

1. WASTEWATER HANDLING SUBSYSTEM CONSISTING:

- A. WASTEWATER FEED TANK, 500 GALLONS.
- B. CARTRIDGE-TYPE FILTER HOUSING.
- C. ACTIVATED CARBON COLUMN, WITH 7 CU. FT. OF ACTIVATED CARBON.
- D. ION EXCHANGE SYSTEM WITH TWO CATION COLUMNS AND TWO ANION COLUMNS.
- E. STORAGE TANK, 1,500 GALLONS.
- F. UV TREATING UNIT.

2. SLUDGE HANDLING SUBSYSTEM CONSISTING OF:

- A. ACID WASTE TANK, 500 GALLONS.
- B. CAUSTIC WASTE TANK, 500 GALLONS.
- C. BATCH TREATMENT TANK CONSISTING OF A META BISULFITE COMPARTMENT, A BLEACH HOLDING COMPARTMENT, AN ACID HOLDING COMPARTMENT AND A CAUSTIC HOLDING COMPARTMENT ALL VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
- D. FILTER PRESS.
- E. FEED EVAPORATION TANK, 550 GALLONS.
- F. EVAPORATOR, RTI, MODEL NO. RG 20, 384,000 BTU/HR NATURAL GAS FIRED, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
- G. EVAPORATOR, RTI, MODEL NO. RE250, 9 KW ELECTRICALLY HEATED, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.

3. CHEMICAL FEED SUBSYSTEM CONSISTING OF:

- A. TWO ACID FEED TANKS, 60 AND 305 GALLONS, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.

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B. TWO CAUSTIC FEED TANKS, 60 AND 305 GALLONS, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.

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. THE BATCH TREATMENT TANK, EVAPORATORS AND ACID AND CAUSTIC FEED TANKS SHALL NOT BE OPERATED UNLESS THEY ARE VENTED TO AIR POLLUTION CONTROL EQUIPMENT.

Emissions and Requirements:

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

NOx: 30 PPMV, RULE 1147

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Permit No.
A/N 556008

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. SCRUBBER, L.W. LEFORT, HORIZONTAL PACKED TYPE, MODEL NO. 244W, 4'-6" W. X 8'-2" L. X 7'-0" H., WITH A RECIRCULATION PUMP.
2. EXHAUST SYSTEM CONSISTING OF A 10 HP BLOWER VENTING THE FOLLOWING TANKS:
 - A. PASSIVATION TANK NO. 12.
 - B. COPPER STRIPPING TANK NO. 13.
 - C. COATING TANK NO. 14.
 - D. NICKEL PLATING TANK NO. 17.
 - E. OPEN PROCESS TANK NO. 19.
 - F. ALKALINE CLEANING TANK NO. 21.
 - G. ETCHING/STRIPPING TANK NO. 22A.
 - H. BATCH TREATMENT TANK.

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. THE CIRCULATING SCRUBBING SOLUTION SHALL BE MAINTAINED AT A pH OF 8 OR GREATER.
[RULE 1303(a)(1)-BACT]
4. A pH METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE pH VALUE OF THE CIRCULATING SCRUBBING SOLUTION.
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY COMPLIANCE WITH THE ABOVE CONDITIONS. ALL RECORDS SHALL BE RETAINED FOR A PERIOD OF FIVE YEARS AND BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 1303(a)(1)-BACT]

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6. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE FLOW RATE OF THE SCRUBBING SOLUTION IS NOT LESS THAN 25 GPM. TO COMPLY WITH THIS CONDITION, THE OPERATOR SHALL INSTALL AND MAINTAIN A FLOW METER TO ACCURATELY INDICATE THE FLOW RATE OF THE SCRUBBING SOLUTION. THE OPERATOR SHALL DETERMINE AND RECORD THE FLOWRATE ONCE EVERY DAY.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring:

7. THE OPERATOR SHALL DETERMINE AND RECORD THE pH OF THE SCRUBBING SOLUTION ONCE EVERY DAY.
[RULE 3004 (a) (4)]

Emissions and Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE SPS TECHNOLOGIES, LLC

PERMIT TO OPERATE

Permit No.
A/N 556009

Equipment Description:

ELECTROPLATING LINE CONSISTING OF:

1. COATING TANK, NO. 5, SODIUM DICHROMATE, 2'-6" W. X 2'-0" L. X 3'-0" D.
2. METAL STRIPPING TANK, NO. 6, SODIUM CYANIDE, 1'-3" W. X 2'-5" L. X 2'-1" D., HOT WATER HEATED.
3. SPRAY RINSE/COLLECTION TANK, NO. 9, SODIUM CYANIDE, 3'-0" W. X 3'-2" L. X 2'-8" D.
4. ELECTROPLATING TANK, NO. 10, CADMIUM, 3'-2" W. X 5'-10" L. X 2'-9" D., WITH A 3.5 KW RECTIFIER.
5. CADMIUM STRIPPING TANK, NO. 11, AMMONIUM NITRATE, 1'-5" W. X 2'-6" L. X 2'-4" D.
6. PASSIVATION TANK, NO. 12, NITRIC ACID, 2'-0" W. X 2'-6" L. X 3'-0" D., 10 KW ELECTRICALLY HEATED, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
7. COPPER STRIPPING TANK, NO. 13A, NITRIC ACID, 1'-4" W. X 2'-8" L. X 1'-8" D., VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
8. COATING TANK, NO. 14, SODIUM DICHROMATE, 2'-5" W. X 2'-0" L. X 3'-0" D., 10 KW ELECTRICALLY HEATED, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
9. NICKEL PLATING TANK, NO. 17, NICKEL SULFAMATE, 3'-0" W. X 3'-2" L. X 2'-9" D., WITH A 1.12 KW RECTIFIER, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
10. OPEN PROCESS TANK, NO. 19, HYDROCHLORIC ACID, 3'-0" W. X 3'-2" L. X 2'-9" D., VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
11. ALKALINE CLEANING TANK, NO. 21, SODIUM HYDROXIDE, 3'-2" W. X 6'-0" L. X 2'-2" D., WITH A 0.8 KW RECTIFIER, HOT WATER HEATED, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
12. ETCHING/STRIPPING TANK, NO. 22A, NITRIC ACID AND HYDROFLUORIC ACID, 1'-8" W. X 1'-8" L. X 2'-7" D., WITH AN INSERTABLE STRIPPING TRAY, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
13. NITRIC ACID STRIP TANK, NO. 3A, NITRIC ACID, 1'-2" W. X 1'-11" L. X 0'-10" D.
14. ASSOCIATED RINSE TANKS.

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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. THE FOLLOWING TANKS SHALL NOT BE HEATED:
 - A. SPRAY RINSE/COLLECTION TANK NO. 9
 - B. CADMIUM STRIPPING TANK NO. 11
 - C. COPPER STRIPPING TANK NO. 13
 - D. OPEN PROCESS TANK NO. 19
 - E. ETCHING/STRIPPING TANK NO. 22A
 - F. NITRIC ACID STRIP TANK, NO. 3A[RULE 1303(b)(2)-OFFSET]
4. THE FOLLOWING TANKS SHALL NOT BE OPERATED UNLESS VENTED TO AIR POLLUTION CONTROL EQUIPMENT: PASSIVATION TANK NO. 12, COPPER STRIPPING TANK NO. 13, COATING TANK NO. 14, NICKEL PLATING TANK NO. 17, OPEN PROCESS TANK NO. 19, ALKALINE CLEANING TANK NO. 21 AND ETCHING/STRIPPING TANK NO. 22A.
[RULE 1303(a)(1)-BACT]
5. MATERIALS USED IN THE NITRIC ACID STRIP TANK, NO. 3A, SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, EXCEPT NITRIC ACID, WITH AN EFFECTIVE DATE OF MARCH 4, 2005
[RULE 1401]

FACILITY PERMIT TO OPERATE SPS TECHNOLOGIES, LLC

PERMIT TO OPERATE

Permit No.
A/N 556010

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. SCRUBBER, L.W. LEFORT, HORIZONTAL TYPE, PACKED TOWER, MODEL NO. 124 W., 4'-0" W. X 7'-0" L. X 4'-0" H., WITH A RECIRCULATION PUMP.
2. EXHAUST SYSTEM CONSISTING OF ONE 7- H.P. BLOWER VENTING CLEANING TANK NO. 38, ALKALINE CLEANING TANK NO. 40, TWO ACID FEED TANKS, TWO CAUSTIC FEED TANKS, TWO WASTE WATER EVAPORATORS AND PASSIVATION TANK NO. 41.

Condition(s):

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. THE CIRCULATING SCRUBBING SOLUTION SHALL BE MAINTAINED AT A pH OF 8 OR GREATER.
[RULE 1303(a)(1)-BACT]
4. A pH METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE pH VALUE OF THE CIRCULATING SCRUBBING SOLUTION.
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY COMPLIANCE WITH THE ABOVE CONDITIONS. ALL RECORDS SHALL BE RETAINED FOR A PERIOD OF FIVE YEARS AND BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 1303(a)(1)-BACT]
6. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE FLOW RATE OF THE SCRUBBING SOLUTION IS NOT LESS THAN 10.5 GPM. TO COMPLY WITH THIS CONDITION, THE OPERATOR SHALL INSTALL AND MAINTAIN A FLOW METER TO ACCURATELY INDICATE THE FLOW RATE OF THE SCRUBBING SOLUTION. THE OPERATOR SHALL DETERMINE AND RECORD THE FLOWRATE ONCE EVERY DAY.
[RULE 1303(a)(1)-BACT]

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7. THERE MUST BE AN ADEQUATE SUPPLY OF WATER TO THE SCRUBBER WHEN THE EQUIPMENT IT SERVES IS IN OPERATION.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring:

8. THE OPERATOR SHALL DETERMINE AND RECORD THE pH OF THE SCRUBBING SOLUTION ONCE EVERY DAY.
[RULE 3004(a)(4)]

Emissions and Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

**FACILITY PERMIT TO OPERATE
SPS TECHNOLOGIES, LLC**

PERMIT TO CONSTRUCT

NONE

FACILITY PERMIT TO OPERATE SPS TECHNOLOGIES, LLC

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, AND (C) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATINGS.

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, AND (C) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATINGS.
[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

FACILITY PERMIT TO OPERATE SPS TECHNOLOGIES, LLC

RULE 219 EQUIPMENT

Equipment Description:

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

Emissions and Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1122

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE SPS TECHNOLOGIES, LLC

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE BOX, <53 CUBIC FEET, WITH DUST FILTER.

Periodic Monitoring:

1. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS.

IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- 1) STACK OR EMISSION POINT IDENTIFICATION;
- 2) DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS; AND
- 3) DATE AND TIME VISIBLE EMISSION WAS ABATED.

[RULE 3004 (a) (4)]

2. THE OPERATOR SHALL PERFORM ANNUAL INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

- (1) THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
- (2) THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
- (3) THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.

[RULE 3004 (a) (4)]

3. THE OPERATOR SHALL DISCHARGE DUST COLLECTED IN THIS EQUIPMENT ONLY INTO CLOSED CONTAINERS.

[RULE 3004 (a) (4)]

FACILITY PERMIT TO OPERATE SPS TECHNOLOGIES, LLC

Emissions and Requirements:

4. THIS EQUIPMENT IS SUBJECT TO THE FOLLOWING RULES AND REGULATION:

- PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
- PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE SPS TECHNOLOGIES, LLC

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, BOILER, > 400,000 BTU/HR BUT < 2,000,000 BTU/HR.

Emissions and Requirements:

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

PM: 0.1 gr/scf, RULE 409
NOx: 30 PPMV, RULE 1146.2
CO: 400 PPMV, RULE 1146.2
CO: 2000 PPMV, RULE 407

FACILITY PERMIT TO OPERATE SPS TECHNOLOGIES, LLC

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS

Emissions and Requirements:

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

REFRIGERANT: RULE 1415

REFRIGERANT: 40CFR 82 SUBPART F