



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

November 5, 2013

Mr. Gerardo C. Rios
Chief - Permits Office
U.S. EPA, Region IX
75 Hawthorne Street, Air 3
San Francisco, CA 94105

Dear Mr. Rios:

Subject: SA Recycling LLC, Adams Steel DBA (I.D. 153095) - Title V Permit Revision

S.A. Recycling has proposed to revise their Title V Permit by modifying an existing dust collector to vent an iron ore aggregate crushing and screening system. The iron ore aggregate crushing and screening system is a Rule 441 Research Operation and is not listed on the Title V permit, pursuant to SCAQMD's Rule 3004 (h) (3).

SA Recycling is a scrap metal processing facility (SIC 5093) located at 3200 Frontera Street, Anaheim, CA 92806. This proposed permit revision, as requested under application number 555462, is considered as a "de minimis significant permit revision" to their Title V Permit. Attached for your review is the permit evaluation and proposed permit revision. With your expected receipt of the proposed Title V permit revision today, we will note that the EPA 45-day review period begins today, November 5, 2013.

If you have any questions or need additional information regarding the proposed permit revision, please call Rajendra Singh at 909.396.3099.

Very truly yours,

A handwritten signature in black ink, appearing to read "Mohan Balagopalan".

Mohan Balagopalan
Senior Engineering Manager
Chemical, Mechanical & Port Permitting

MB: rs
Attachments

FACILITY PERMIT TO OPERATE SA RECYCLING LLC, ADAMS STEEL DBA

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.

**FACILITY PERMIT TO OPERATE
 SA RECYCLING LLC, ADAMS STEEL DBA**

PERMITTED EQUIPMENT LIST

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

Application Number	Permit to Construct/ Operate Numbers	Equipment Descriptions
473504	G1160	WASTE GASOLINE STORAGE TANK
482325	G6282	CEMENT STORAGE SILO #1
482328	G6283	CEMENT STORAGE SILO #2
482329	G6284	CEMENT BLENDING PLANT
482330	G6285	MISC. CONVEYING SYSTEM
482331	G6286	MISC. CONVEYING SYSTEM
482332	G6287	OIL / WATER SEPARATOR SYSTEM
482555		DRY FILTER
495358	G6288	CEMENT STORAGE SILO #3
495678		AIR POLLUTION CONTROL SYSTEM (RTO)
502884		FERROUS AND NON-FERROUS METAL FRAGMENTATION AND SEPARATING SYSTEM (SHREDDER)
514286	G16984	SCRAP METAL SEPARATION AND RECOVERY SYSTEM (MRP)
522016	G16985	APC (DUST COLLECTOR)
524495	G16986	APC (DUST COLLECTOR)
524496	G16987	APC (DUST COLLECTOR)
524497	G16988	APC (DUST COLLECTOR)
556712		APC (DUST COLLECTOR)

NOTE: EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMIT 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

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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
SA RECYCLING LLC, ADAMS STEEL DBA**

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
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO OPERATE

**Permit No. G1160
A/N 473504**

Equipment Description:

TANK, ABOVEGROUND, WASTE GASOLINE, 3' - 11"DIA. x 12' - 3"L., 1,000 GALLONS CAPACITY,
WITH A SUBMERGED FILL TUBE.

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 RECEIVE MORE THAN 25,000 GALLONS OF WASTE GASOLINE IN ANY ONE CALENDAR YEAR.
[RULE 1303 (b) (2)-OFFSETS]
4. RECORDS SHALL BE MAINTAINED TO DEMONSTRATE COMPLIANCE WITH CONDITION NO 3. THE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST THE LAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004 (a) (4)]

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO OPERATE

**Permit No. G6282
A/N 482325**

Equipment Description:

STORAGE SILO NO.1, CEMENT, DIVERSIFIED STORAGE SYSTEMS, MODEL 266PJ, 12'-0" DIA. X 41'-5" H., 100 TON CAPACITY, WITH A FILTER VENT, 266 SQ FT TOTAL FILTER AREA.

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 CEMENT RECEIVED AND STORED BY THIS EQUIPMENT SHALL NOT EXCEED 1450 TONS IN ANY ONE CALENDAR MONTH.
[RULE 1303 (b) (2)-OFFSETS]
4. THE FILTER BAGS IN THE SILO FILTER VENTS SHALL BE THOROUGHLY CLEANED IMMEDIATELY AFTER EACH LOAD OF MATERIAL IS RECEIVED.
[RULE 404]
5. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH THE ABOVE PERMIT CONDITIONS. THE RECORDS SHALL BE KEPT FOR A MINIMUM OF THE LAST TWO YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004 (a) (4)]

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO OPERATE

**Permit No. G6283
A/N 482328**

Equipment Description:

STORAGE SILO NO.2, CEMENT, DIVERSIFIED STORAGE SYSTEMS, MODEL 266PJ, 12'-0" DIA. X 41'-5" H., 100 TON CAPACITY, WITH A FILTER VENT, 266 SQ FT TOTAL FILTER AREA.

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 CEMENT RECEIVED AND STORED BY THIS EQUIPMENT SHALL NOT EXCEED 1450 TONS IN ANY ONE CALENDAR MONTH.
[RULE 1303 (b) (2)-OFFSETS]
4. THE FILTER BAGS IN THE SILO FILTER VENTS SHALL BE THOROUGHLY CLEANED IMMEDIATELY AFTER EACH LOAD OF MATERIAL IS RECEIVED.
[RULE 404]
5. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH THE ABOVE PERMIT CONDITIONS. THE RECORDS SHALL BE KEPT FOR A MINIMUM OF THE LAST TWO YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004 (a) (4)]

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
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**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO OPERATE

**Permit No. G6284
A/N 482329**

Equipment Description:

AUTO SHREDDER RESIDUE TREATMENT SYSTEM CONSISTING OF:

1. SCREW CONVEYOR, CSF1-A, CEMENT, 0'-7" DIA. X 17'-0" L., 5 H.P.
2. SCREW CONVEYOR, CSF1-B, CEMENT, 0'-7" DIA. X 17'-0" L., 5 H.P.
3. BLENDING SCREW CONVEYOR, TSF1, 4'-0" DIA. X 16'-5" L., 50 H.P.
4. BELT CONVEYOR, TBC3, 3'-0" W. X 48'-0" L., 20 HP.
5. STACKING BELT CONVEYOR, TBC10, 3'-0" W. X 85'-0" L., 25 HP.
6. STORAGE TANK, POTASSIUM / SODIUM SILICATE WATER MIXTURE, 1,000- 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. THE TOTAL QUANTITY OF DRY CEMENT PROCESSED IN THIS EQUIPMENT SHALL NOT EXCEED 3600 TONS IN ANY ONE CALENDAR MONTH.
[RULE 1303 (b) (2)-OFFSETS]
4. THE TOTAL QUANTITY OF AUTO SHREDDER RESIDUE (ASR) PROCESSED IN THIS EQUIPMENT SHALL NOT EXCEED 35,000 TONS IN ANY ONE CALENDAR MONTH.
[RULE 1303 (b) (2)-OFFSETS]
5. THE ROADWAYS, ASR CHARGED, AND ASR IN PROCESS SHALL BE KEPT SUFFICIENTLY MOIST TO PREVENT EXCESSIVE DUST EMISSIONS.
[RULE 401]

**FACILITY PERMIT TO OPERATE
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6. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH THE ABOVE PERMIT CONDITIONS. THE RECORDS SHALL BE KEPT FOR A MINIMUM OF THE LAST TWO YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004 (a) (4)]

Emissions and Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO OPERATE

**Permit No. G6285
A/N 482330**

Equipment Description:

RECYCLED FERROUS MATERIAL CONVEYING SYSTEM # 1 CONSISTING OF:

1. SHAKER, 8'-0" W. X 22'-0" L., 25 HP.
2. BELT CONVEYOR, 5'-0" W. X 50'-5" L., 15 HP.

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 MATERIAL PROCESSED IN THIS EQUIPMENT SHALL NOT EXCEED 56,000 TONS IN ANY ONE CALENDAR MONTH.
[RULE 1303 (b) (2)-OFFSETS]
4. THE ROADWAYS, MATERIAL CHARGED, AND MATERIAL IN PROCESS SHALL BE KEPT SUFFICIENTLY MOIST TO PREVENT EXCESSIVE DUST EMISSIONS.
[RULE 401]
5. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH THE ABOVE PERMIT CONDITIONS. THE RECORDS SHALL BE KEPT FOR A MINIMUM OF THE LAST TWO YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004 (a) (4)]

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO OPERATE

**Permit No. G6286
A/N 482331**

Equipment Description:

RECYCLED NON-FERROUS MATERIAL CONVEYING SYSTEM # 2 CONSISTING OF:

1. SHAKER, 8'-0" W. X 22'-0" L., 25 HP.
2. BELT CONVEYOR, 5'-0" W. X 50'-5" L., 15 HP.

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 MATERIAL PROCESSED IN THIS EQUIPMENT SHALL NOT EXCEED 56,000 TONS IN ANY ONE CALENDAR MONTH.
[RULE 1303 (b) (2)-OFFSETS]
4. THE ROADWAYS, MATERIAL CHARGED, AND MATERIAL IN PROCESS SHALL BE KEPT SUFFICIENTLY MOIST TO PREVENT EXCESSIVE DUST EMISSIONS.
[RULE 401]
5. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH THE ABOVE PRERMIT CONDITIONS. THE RECORDS SHALL BE KEPT FOR A MINIMUM OF THE LAST TWO YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004 (a) (4)]

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO OPERATE

**Permit No. G6287
A/N 482332**

Equipment Description:

OIL / WATER SEPARATOR, GREAT LAKES ENVIRONMENTAL, MODEL NO. WATERRLINK 100, 3'-5" W. X 8'-10" L. X 7'-1" H. WITH A REMOVABLE COALESCING FILTER AND A SLUDGE COLLECTION CHAMBER.

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 VOLUME OF FEED WATER PROCESSED BY THIS EQUIPMENT SHALL NOT EXCEED 173,200 GALLONS IN ANY ONE CALENDAR MONTH.
[RULE 1303 (b) (2)-OFFSETS]
4. MATERIALS PROCESSED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS CARCINOGENIC IN RULE 1401, TABLE 1, AS AMENDED ON JUNE 5, 2009.
[RULE 1401]
5. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH THE ABOVE PERMIT CONDITIONS. THE RECORDS SHALL BE KEPT FOR A MINIMUM OF THE LAST TWO YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004 (a) (4)]

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 1176, SUMPS AND WASTEWATER SEPARATORS

FACILITY PERMIT TO OPERATE SA RECYCLING LLC, ADAMS STEEL DBA

PERMIT TO CONSTRUCT

A/N 482555

Equipment Description:

AIR POLLUTION CONTROL SYSTEM, BUTLER-JUSTICE, INC. MODEL 6S28C, 18' - 10.75"W. X 35' - 6.5"L.X 32' - 10"H., CONSISTING OF:

1. TWENTY-EIGHT CELLS, EACH CELL CONSISTS OF THE FOLLOWING:
 - A. FIRST STAGE FILTER, ALUMINUM METAL IMPINGER, WASHABLE TYPE, 2' - 0"W. x 2' - 0"L. x 0' - 4"THICK.
 - B. SECOND STAGE FILTER, ALUMINUM METAL, WASHABLE TYPE, 2' - 0"W. x 2' - 0"L. x 0' - 4"THICK.
 - C. THIRD STAGE FILTER, AMISCO PACKED METAL MESH, WASHABLE TYPE, 2' - 0"W. x 2' - 0"L. x 0' - 4"THICK.
 - D. FOURTH STAGE FILTER, HIGH LOFT MULTIVEE PANEL, DISPOSABLE TYPE, 2' - 0"W. x 2' - 0"L. x 0' - 4"THICK.
 - E. FIFTH STAGE FILTER, DUAL DENSITY HIGH LOFT MEDIA WRAP, DISPOSABLE TYPE, 2' - 1"W. x 6' - 0"L. x 0' - 1"THICK (WRAPPING AROUND SIXTH STAGE FILTER).
 - F. SIXTH STAGE FILTER, HIGH EFFICIENCY DRYFLOW PLEATLOC CYLINDRICAL CARTRIDGE, DISPOSABLE TYPE, 1' - 10 1/2"DIA. x 2' - 1"H..
2. EXHAUST SYSTEM WITH ONE 100-HP BLOWER VENTING A SHREDDER.

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 OPERATOR SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING
 - A. A TEST PLAN SHALL BE SUBMITTED TO THE MECHANICAL TEAM WITHIN 30 DAYS OF INITIAL START-UP AND SHALL BE APPROVED BY THE DISTRICT BEFORE THE TEST COMMENCES. THE PLAN SHALL INCLUDE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST, THE IDENTITY OF THE TESTING LABORATORY, A STATEMENT FROM THE TESTING LABORATORY CERTIFYING IT MEETS THE CRITERIA IN DISTRICT RULE 304(K),

FACILITY PERMIT TO OPERATE SA RECYCLING LLC, ADAMS STEEL DBA

AND A DESCRIPTION OF ALL SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.

- B. EMISSION TESTING SHALL BE CONDUCTED WITHIN 60 DAYS AFTER APPROVAL OF THE TEST PLAN. A COMPLETE TEST REPORT SHALL BE SUBMITTED TO THE MECHANICAL TEAM WITHIN 45 DAYS AFTER COMPLETION OF THE TESTS.
 - C. EMISSION TESTING SHALL BE CONDUCTED FOR EACH OF THE FOLLOWING CHARGED MATERIAL MIXES:
 - MIX 1: 30% WHITE GOODS/70% JUNK AUTOS.
 - MIX 2: WHITE GOODS/HOT MELT.
 - D. THE DISTRICT ENGINEER SHALL BE NOTIFIED OF THE DATE OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST, OR WITHIN A TIME PERIOD AGREED UPON BY THE DISTRICT ENGINEER.
 - E. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.
[RULE 1303 (b) (2)-OFFSETS]
4. THE OPERATOR SHALL CONDUCT TESTS AT MAXIMUM THROUGHPUTS AND SHALL DETERMINE AND DOCUMENT:
- A. SPECIATED ORGANIC COMPOUNDS, USING EPA METHOD TO-14A, AT THE OUTLET OF THE FILTRATION SYSTEM.
 - B. PARTICULATE MATTER, IN POUNDS PER HOUR, AT THE INLET AND OUTLET OF THE FILTRATION SYSTEM.
 - C. VOLATILE ORGANIC COMPOUNDS (VOC), IN POUNDS PER HOUR, AT THE OUTLET OF THE FILTRATION SYSTEM.
 - D. THE FLOW RATE, IN GPM, AND PRESSURE, IN PSI, OF FRESH WATER SUPPLIED TO THE SHREDDER.
 - E. THE FLOW RATE, IN GPM, AND PRESSURE, IN PSI, OF GRAY WATER SUPPLIED TO THE SHREDDER.
 - F. THE TOTAL SHREDDER THROUGHPUT (FERROUS MATERIALS AND NON-FERROUS MATERIALS), ON A WET BASIS, IN TONS PER HOUR.
[RULE 1303 (b) (2)-OFFSETS]

FACILITY PERMIT TO OPERATE SA RECYCLING LLC, ADAMS STEEL DBA

Periodic Monitoring:

5. THE OPERATOR SHALL PERFORM AN 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):
 - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.

[RULE 3004 (a) (4)]

6. 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 A QUARTERLY BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE QUARTERLY PERIOD. THE ROUTINE QUARTERLY 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:

- A. STACK OR EMISSION POINT IDENTIFICATION;
- B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS; AND
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED.

[RULE 3004 (a) (4)]

Emissions And Requirements:

7. 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
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO OPERATE

**Permit No. G6288
A/N 495358**

Equipment Description:

STORAGE SILO NO. 3, CEMENT, DIVERSIFIED STORAGE SYSTEMS, MODEL PD-TANK-250, 12'-0"
DIA., X 28'-2" H., 82 TON 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. THE TOTAL QUANTITY OF CEMENT RECEIVED AND STORED BY THIS EQUIPMENT SHALL NOT EXCEED 750 TONS IN ANY ONE CALENDAR MONTH.
[RULE 1303 (b) (2)-OFFSETS]
4. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH THE ABOVE PERMIT CONDITIONS. THE RECORDS SHALL BE KEPT FOR A MINIMUM OF THE LAST TWO YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004 (a) (4)]

Emissions and Requirements:

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
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**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO CONSTRUCT

A/N 495678

Equipment Description:

REPLACE THE EXISTING AIR POLLUTION CONTROL SYSTEM, PERMIT TO CONSTRUCT A/N 482555 BY A NEW AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. DUST COLLECTOR, DUAL SYSTEM, CUSTOM MADE, MODEL TAME-40K-2008, THREE STAGE, WITH (40) 2'-0" W. X 2'-0" L. X 0'-4"D HS ALUMINUM MESH FILTERS, (40) 2'-0" W. X 2'-0" L. X 0'-4"D DP 40 PLEATED FILTERS, AND (40) 2'-0" W. X 2'-0" L. X 1'-0"D RS-804 VARI-PAK FILTERS.
2. REGENERATIVE THERMAL OXIDIZER, ADWEST, DUAL CHAMBER, MODEL RETOX 40.0 RTO95, WITH A 11.56 MM BTU / HR NATURAL GAS FIRED MAXON KINEDIZER LE LOW NO_x BURNER, A 20 H.P. BLOWER, AND A 6.0 MM BTU / HR NATURAL GAS INJECTION SYSTEM.
3. SCRUBBER, HEE ENVIRONMENTAL, VERTICAL, PACKED BED TYPE, MODEL ECV-1010-5QM, 10'-0"DIA. X 22'-0"H., WITH 5'-0" DEEP LANTEC Q-PACK PACKING, A 15 H.P. CIRCULATING PUMP, AND A KIMRE B-GON DEMISTER MESH PAD, MODEL 3-STYLE 37/97.
4. EXHAUST SYSTEM WITH A 350 HP BLOWER, VENTING A SCRAP METAL SHREDDER.

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. A MECHANICAL GAUGE SHALL BE INSTALLED AND MAINTAINED TO INDICATE, IN INCHES OF WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE DUST COLLECTOR. THE TOTAL STATIC PRESSURE DIFFERENTIAL ACROSS THE DUST COLLECTOR SHALL REMAIN BETWEEN 2.5 AND 7.5 INCHES OF WATER COLUMN DURING NORMAL OPERATION.
[RULE 404]

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4. A MECHANICAL GAUGE SHALL BE INSTALLED AND MAINTAINED TO INDICATE, IN INCHES OF WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE PACKED BED SCRUBBER. THE TOTAL STATIC PRESSURE DIFFERENTIAL ACROSS THE PACKED BED SCRUBBER SHALL REMAIN BETWEEN 1.5 AND 5 INCHES OF WATER COLUMN DURING OPERATION AT FULL FLOW.
[RULE 404]
5. A FLOW METER, INDICATING GALLONS PER MINUTE, SHALL BE INSTALLED AND MAINTAINED IN THE RECIRCULATION LINE TO THE SCRUBBER NOZZLE. THE FLOW RATE OF THE RECIRCULATION SOLUTION SUPPLIED TO THE SCRUBBER SHALL NOT BE LESS THAN 300 GALLONS PER MINUTE WHEN THE SCRUBBER IS IN OPERATION.
[RULE 404]
6. A pH INDICATOR-CONTROLLER SHALL BE INSTALLED AND MAINTAINED IN THE SUMP NEAR THE RECIRCULATION PUMP INLET. THE pH CONTROLLER SHALL BE SET SO THAT THE pH OF THE SCRUBBER SOLUTION SHALL NOT BE LESS THAN 8.
[RULE 404]
7. THE OWNER/OPERATOR SHALL RECORD THE PARAMETERS SPECIFIED IN CONDITIONS 3, 4, 5, & 6 ON A DAILY BASIS.
[RULE 404]
8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE TOTALIZING FUEL METER TO ACCURATELY INDICATE THE NATURAL GAS USAGE OF THE START UP BURNER. THE USAGE OF NATURAL GAS SHALL BE RECORDED AT THE END OF EACH CALENDAR MONTH
[RULE 404]
9. NOX CONCENTRATION AT THE OUTLET OF THE AIR POLLUTION CONTROL SYSTEM DURING START UP OF THE OXIDIZER SHALL NOT EXCEED 0.036 LB / MM BTU OR 30 PPMV (PARTS PER MILLION BY VOLUME) ON DRY BASIS, CORRECTED TO 3 % OXYGEN.
[RULE 1303 (b)-OFFSETS]
10. A MONITORING AND RECORDING SYSTEM SHALL BE INSTALLED AND OPERATED TO VERIFY THE OPERATING TIME OF THE REGENERATIVE THERMAL OXIDIZER BURNER AT PRODUCTION AND IDLE MODES IN HOURS FOR EACH CALENDAR MONTH. A HARD COPY OF THE OPERATING TIMES FOR THE CALENDAR MONTH SHALL BE PRINTED OUT AT THE END OF EACH MONTH AND MAINTAINED AS PART OF THE FACILITY OPERATING RECORDS.
[RULE 1303 (b (2)-OFFSETS)]

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11. NO_x EMISSIONS SHALL NOT EXCEED 15 LBS IN ANY CALENDAR MONTH. TO COMPLY WITH THIS CONDITION, THE OPERATOR SHALL CALCULATE MONTHLY NO_x EMISSIONS USING EITHER OF THE FOLLOWING METHODS:
 - A. $\text{NO}_x \text{ (LBS / MONTH)} = (38.43 \text{ LBS / MMSCF} \times \text{MMSCF OF NATURAL GAS USAGE OF THE START UP BURNER PER MONTH}) + (0.058 \text{ LBS / HR} \times \text{HOURS OF OPERATION PER MONTH IN PRODUCTION MODE}) + 0.014 \text{ LB / HR} \times \text{HOURS OF OPERATION PER MONTH IN IDLE MODE}$ OR
 - B. USING THE ABOVE EQUATION WITH EMISSION FACTORS DERIVED FROM A SOURCE TEST CONDUCTED IN ACCORDANCE WITH DISTRICT REQUIREMENTS AND APPROVED IN WRITING BY THE DISTRICT.
[RULE 1303 (b) (2)-OFFSETS]
12. A TEMPERATURE INDICATING AND RECORDING SYSTEM SHALL BE INSTALLED AND MAINTAINED TO CONTINUOUSLY MEASURE AND RECORD THE TEMPERATURE IN THE COMBUSTION CHAMBER OF THE OXIDIZER. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN 1% OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, CALIBRATED AND / OR REPLACED EVERY EIGHTEEN MONTHS 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.
[RULE 1303 (b) (2)-OFFSETS]
13. A TEMPERATURE OF NOT LESS THAN 1450 DEGREES FAHRENHEIT SHALL BE MAINTAINED IN THE OXIDIZER COMBUSTION CHAMBER WHEN THE EQUIPMENT IT SERVES IS IN OPERATION.
[RULE 1303 (b) (2)-OFFSETS]
14. TOTAL VOC DESTRUCTION EFFICIENCY OF THE REGENERATIVE THERMAL OXIDIZER SHALL NOT BE LESS THAN 98 %, AS DEMONSTRATED BY A SOURCE TEST CONDUCTED IN ACCORDANCE WITH DISTRICT REQUIREMENTS AND APPROVED IN WRITING BY THE DISTRICT.
[RULE 1303 (b) (2)-OFFSETS]
15. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT A SOURCE TEST UNDER THE FOLLOWING CONDITIONS:
 - A. THE SOURCE TEST SHALL BE CONDUCTED NO LATER THAN 180 DAYS AFTER ACHIEVING NORMAL OPERATION OF THE RTO UNLESS OTHERWISE APPROVED BY THE DISTRICT.

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- B. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE DISTRICT ENGINEER NO LATER THAN 60 DAYS AFTER THE INITIAL START-UP OF THIS EQUIPMENT UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT. THE TEST PROTOCOL SHALL BE APPROVED IN WRITING BY THE DISTRICT BEFORE THE TEST COMMENCES. THE TEST PROTOCOL SHALL INCLUDE THE COMPLETED DISTRICT FORMS ST-1 AND ST-2 SPECIFYING THE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST, THE IDENTITY OF THE TESTING LABORATORY, A STATEMENT FROM THE TESTING LABORATORY CERTIFYING IT MEETS THE CRITERIA IN DISTRICT RULE 304(k), AND A DESCRIPTION OF THE SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
- C. EMISSION TESTING SHALL BE CONDUCTED FOR MATERIAL FLOW UNDER NORMAL OPERATING CONDITIONS.
- D. A WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT ENGINEER AT LEAST 14 DAYS PRIOR TO THE SOURCE TESTING DATE SO THAT AN OBSERVER FROM THE DISTRICT MAY BE PRESENT.
- 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 TESTS.
- F. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217. [RULE 1303 (b) (2)-OFFSETS]
16. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT THE SOURCE TEST AND PROVIDE THE DISTRICT THE RESULTS UNDER THE FOLLOWING CONDITIONS:
- A. THE TEST SHALL CONSIST OF, BUT MAY NOT BE LIMITED TO, A TEST AT THE INLET AND EXHAUST OF THE AIR POLLUTION CONTROL SYSTEM FOR THE FOLLOWING IN ACCORDANCE WITH THE SOURCE TEST PROTOCOL APPROVED IN WRITING BY THE DISTRICT:
1. TOTAL VOCs IN PPMV AND LBS/HR (AQMD METHOD 25.1/ 25.3)
 2. SPECIATED ORGANIC COMPOUNDS, USING EPA METHOD TO-14A OR TO-15, AT THE OUTLET OF THE AIR POLLUTION CONTROL SYSTEM.
 3. OXIDES OF NITROGEN (NO_x) IN PPMV AND LBS/HR
 4. CARBON MONOXIDE (CO) IN PPMV AND LBS/HR
 5. PM10 IN POUNDS PER HOUR (AQMD METHOD 201A)
 6. ACID GASES (EPA METHOD 26A)
 7. MULTIPLE METALS (CARB 436)
 8. VOC DESTRUCTION EFFICIENCY
 9. OXYGEN CONTENT

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10. MOISTURE CONTENT
 11. TOTAL THROUGHPUT AND TYPE OF MATERIAL FEED, ON A WET BASIS, IN TONS PER HOUR OF FERROUS MATERIAL RECOVERED.
 12. FLOW RATE, IN GPM, AND PRESSURE, IN PSI, OF WATER SUPPLIED TO THE SHREDDER.
 13. TEMPERATURE
 14. FLOW RATE IN DRY STANDARD CUBIC FEET PER MINUTE (DSCFM) AND DRY ACTUAL CUBIC FEET PER MINUTE (DACFM).
- B. THE SOURCE TEST SHALL BE CONDUCTED DURING NORMAL OPERATION WHILE THE OXIDIZER IS OPERATING AT A TEMPERATURE OF NOT LESS THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT. THE OPERATING TEMPERATURE IN THE COMBUSTION CHAMBER SHALL BE RECORDED DURING THE ENTIRE TESTING PERIOD AND INCLUDED IN THE SOURCE TEST REPORT. IF THE OPERATING TEMPERATURE DURING THE SOURCE TEST IS GREATER THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT, THE MINIMUM OPERATING TEMPERATURE MAY BE INCREASED AT THE TIME A PERMIT TO OPERATE IS ISSUED TO REFLECT THE OPERATING TEMPERATURE DURING THE SOURCE TEST.
- C. IN ADDITION TO THE TEST DURING NORMAL OPERATION, A SOURCE TEST FOR NO_x AND CO EMISSIONS SHALL ALSO BE CONDUCTED DURING THE START-UP OF THE OXIDIZER BEFORE THE PROCESS AIR STREAM IS INTRODUCED INTO THE OXIDIZER.
- D. TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SHALL BE SUBMITTED TO THE DISTRICT ENGINEER WITHIN 45 DAYS AFTER THE SOURCE TESTING DATE.
[RULE 1303 (b) (2)-OFFSETS]
17. THE OPERATOR OF THIS EQUIPMENT SHALL MAINTAIN ADEQUATE RECORDS TO VERIFY COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT.
[RULE 3004 (A) (4)]
18. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS, AND MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 3004 (a) (4)]
- Periodic and Compliance Assurance Monitoring:**
19. THE OPERATOR SHALL PERFORM AN 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):

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- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [RULE 3004 (a) (4)]
20. THE OWNER/OPERATOR SHALL COMPLY WITH THE INSPECTION AND MAINTENANCE REQUIREMENTS FOR THE PACKED BED SCRUBBER LISTED BELOW:
- A. QUARTERLY VISUAL INSPECTION OF THE DEVICE TO ENSURE THERE IS PROPER DRAINAGE, NO UNUSUAL ACID BUILDUP ON THE PACKED BEDS, AND NO EVIDENCE OF CHEMICAL ATTACK THAT AFFECTS THE STRUCTURAL INTEGRITY OF THE DEVICE.
 - B. QUARTERLY VISUAL INSPECTION OF THE DUCTWORK TO ENSURE THERE ARE NO LEAKS.
 - C. ADD FRESH MAKEUP WATER TO THE PACKED-BED WHENEVER MAKEUP IS NEEDED.
- [RULE 3004 (a) (4)]
21. THE OWNER/OPERATOR SHALL MAINTAIN INSPECTION AND MAINTENANCE RECORDS FOR THE PACKED BED SCRUBBER AND MONITORING EQUIPMENT TO DOCUMENT COMPLIANCE WITH THE INSPECTION AND MAINTENANCE REQUIREMENTS OF THIS PERMIT. THE RECORD SHALL IDENTIFY:
- A. DEVICE INSPECTED,
 - B. DATE AND TIME OF INSPECTION,
 - C. WORKING CONDITION OF THE DEVICE DURING THE INSPECTION,
 - D. ANY MAINTENANCE ACTIVITIES PERFORMED ON THE PACKED BED SCRUBBER
 - E. ANY ACTIONS TAKEN TO CORRECT DEFICIENCIES FOUND DURING THE INSPECTION.
- [RULE 3004 (a) (4)]
22. 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 A QUARTERLY BASIS, AT LEAST, UNLESS THE EQUIPMENT DID

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NOT OPERATE DURING THE ENTIRE QUARTERLY PERIOD. THE ROUTINE QUARTERLY 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:

- A. STACK OR EMISSION POINT IDENTIFICATION;
- B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS; AND
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED.

[RULE 3004 (a) (4)]

23. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:

- A. THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,450 DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.
- B. 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 USING AN APPLICABLE AQMD OR EPA APPROVED METHOD.
- C. FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 1,450 DEGREES FAHRENHEIT OCCURS DURING NORMAL OPERATION OF THE EQUIPMENT IT SERVES. 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.

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- D. 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 1,450 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.
- E. ALL DEVIATIONS SHALL BE REPORTED TO THE AQMD ON A SEMI-ANNUAL BASIS PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITION NOS. 22 AND 23 IN SECTION K OF THIS PERMIT. THE SEMI-ANNUAL MONITORING 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.
- F. 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.
- G. THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- H. 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, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

Emissions and Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS.
RULE 1155, PARTICULAR MATTER CONTROL DEVICES.
NO_x RULE 1147, NO_x REDUCTION FROM MISCELLANEOUS SOURCES.

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PERMIT TO CONSTRUCT

A/N 502884

Equipment Description:

FERROUS AND NON-FERROUS METAL FRAGMENTATION AND SEPARATION SYSTEM CONSISTING OF:

1. BELT CONVEYOR, FHP1-D, IN FEED, 8' - 0" W. x 167' - 0" L., 150 HP.
2. SHREDDER, THE SHREDDER COMPANY, MODEL 124SXS, 18' - 0" W. x 30' - 0" L. x 32' - 0" H., 7000 HP, WITH DOUBLE FEED ROLLS DRIVEN BY TWO 150-HP MOTORS, AND A HIGH PRESSURE WATER SPRAY SYSTEM.
3. OSCILLATING SHAKER DVC-1, UNDER SHREDDER, 6' - 0" W. x 25' - 0" L. x 6' - 0" H., 25 HP.
4. BELT CONVEYOR DBC-8, COVERED, 7' - 0" W. x 148' - 0" L., 50 HP.
5. SPLITTER BOX, 8' - 0" W. x 20' - 0" H., WITH TWO 1-HP POWER ROLLERS.
6. SHAKER DVC-2, 8'-0" W. X 8'-0" L., 15 HP.
7. BELT CONVEYOR DBC-6, 7'-0" W. X 87'- 0" L., 25 HP., WITH A 25 HP MAGNET DMD2.
8. SHAKER DVC-3, 8'-0" W. X 8'-0" L., 15 HP., WITH A 25 HP MAGNET DMD3.
9. BELT CONVEYOR DBC-2, 5' - 0" W. X 148' - 0" L., 20 HP.
10. BELT CONVEYOR DBC-1, FERROUS MATERIALS, 4' - 0" W. X 157' - 0" L., 40 HP.
11. SHAKER DVC-4, 8'-0" W. X 8'-0" L., 15 HP.
12. BELT CONVEYOR DBC-7, 7'-0" W. X 87'- 0" L., 25 HP., WITH A 25 HP MAGNET DMD4.
13. SHAKER DVC-5, 8'-0" W. X 8'-0" L., 15 HP. WITH A 25 HP MAGNET DMD-5.
14. BELT CONVEYOR DBC-3, 5' - 0" W. X 148' - 0" L., 40 HP.
15. BELT CONVEYOR DBC-12, NON-FERROUS MATERIALS RECOVERY, 4' - 0" W. X 38' - 0" L., 7.5 HP.
16. BELT CONVEYOR DBC-5, NON-FERROUS MATERIALS RECOVERY, 4' - 0" W. X 78' - 0" L., 15 HP.
17. BELT CONVEYOR DBC-9, COVERED, NON-FERROUS MATERIALS RECOVERY, 4' - 0" W. X 169' - 0" L., 20 HP.
18. BELT CONVEYOR DBC-10, COVERED, NON-FERROUS MATERIALS RECOVERY, 4' - 0" W. X 169' - 0" L., 20 HP.
19. BELT CONVEYOR DBC-4, COVERED, FERROUS MATERIALS, 4' - 0" W. X 60' - 0" L., 10 HP.

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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. 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 TO CONSTRUCT BY THE EXECUTIVE OFFICER.
[RULE 1303 (a) (1)-BACT]
4. A FLOW METER, INDICATING IN GALLONS PER MINUTE (GPM), AND A PRESSURE GAUGE, INDICATING IN PSI, SHALL BE MAINTAINED IN THE FRESH WATER SUPPLY LINE TO THE SHREDDER.
[RULE 1303 (b) (2)-OFFSETS]
5. A FLOW METER, INDICATING IN GALLONS PER MINUTE (GPM), AND A PRESSURE GAUGE, INDICATING IN PSI, SHALL BE MAINTAINED IN THE GRAY WATER SUPPLY LINE TO THE SHREDDER.
[RULE 1303 (b) (2)-OFFSETS]
6. EXCEPT DURING COMPLIANCE TESTING, NOT LESS THAN 30 GPM OF WATER (FRESH WATER AND GRAY WATER) SHALL BE SUPPLIED TO THE SHREDDER WHEN IT IS IN OPERATION.
[RULE 1303 (b) (2)-OFFSETS]
7. THE FRESH WATER AND GRAY WATER FLOW RATES SHALL BE RECORDED AT LEAST ONCE PER SHIFT.
[RULE 1303 (b) (2)-OFFSETS]
8. A WEIGHING AND RECORDER DEVICE, INDICATING AND RECORDING THE FERROUS MATERIALS RECOVERY RATE, IN TONS PER HOUR, SHALL BE MAINTAINED ON THE FERROUS MATERIALS RECOVERY LINE. THE WEIGHING AND RECORDER DEVICE SHALL BE CALIBRATED IN ACCORDANCE WITH THE MANUFACTURER(S) RECOMMENDATIONS.
[RULE 1303 (b) (2)-OFFSETS]
9. A WEIGHING AND RECORDER DEVICE, INDICATING AND RECORDING THE NON-FERROUS MATERIALS RECOVERY RATE, IN TONS PER HOUR, SHALL BE MAINTAINED ON THE NON-FERROUS MATERIALS RECOVERY LINE. THE WEIGHING AND RECORDER DEVICE SHALL BE CALIBRATED IN ACCORDANCE WITH THE MANUFACTURER(S) RECOMMENDATIONS.
[RULE 1303 (b) (2)-OFFSETS]

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10. TOTAL THROUGHPUT (FERROUS AND NON-FERROUS MATERIALS) RECOVERED BY THIS EQUIPMENT, ON A WET BASIS, SHALL NOT EXCEED 56,160 TONS IN ANY CALENDAR MONTH.
[RULE 1303 (b) (2)-OFFSETS]
11. MATERIALS CHARGED AND MATERIALS IN PROCESS SHALL BE KEPT SUFFICIENTLY MOIST TO PREVENT DUST AND SMOKE EMISSIONS.
[RULE 401]
12. RECORDS SHALL BE MAINTAINED TO DEMONSTRATE COMPLIANCE WITH CONDITIONS 6 AND 10. THE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST THE LAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004 (a) (4)]

Periodic Monitoring:

13. 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 THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:
 - A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST; OR
 - B. 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; OR
 - C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.
 - D. THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

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1. STACK OR EMISSION POINT IDENTIFICATION;
 2. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
 3. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
 4. VISIBLE EMISSION OBSERVATIONS RECORDED BY A CERTIFIED SMOKE READER.
- [RULE 3004 (a) (4)]

Emissions and Requirements:

14. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

**Permit No. G16984
A/N 514286**

Equipment Description:

SCRAP METAL SEPARATION AND RECOVERY SYSTEM CONSISTING OF:

A. IN-FEED AND PRIMARY MATERIAL SIZING AND SEPARATION SUBSYSTEM:

1. IN-FEED HOPPER.
2. BELT CONVEYOR, UNTF1-1, 3'-0" W. X 20'-0" L., 15 HP.
3. BELT CONVEYOR, UNTF1-2, 3'-0" W. X 20'-0" L., 20 HP.
4. BELT CONVEYOR, UNBC1, 3'-0" W. X 65'-0" L., 40 HP.
5. BELT CONVEYOR, UNBC2, 3'-0" W. X 15'-0" L., 20 HP.
6. TROMMEL SCREEN, FTR1, 9'-0" DIA. X 50'-0" L., (2) 20 HP.
7. TROMMEL SCREEN, MTR1, 9'-0" DIA. X 50'-0" L., (2) 15 HP.
8. BELT CONVEYOR, OBC1, 3'-0" W. X 76'-0" L., 15 HP.
9. BELT CONVEYOR, OBC2, 3'-0" W. X 42'-0" L., 15 HP.
10. BELT CONVEYOR, MBC1, 4'-0" W. X 21'-0" L., 10 HP.
11. BELT CONVEYOR, MBC2, 3'-0" W. X 53'-0" L., 15 HP.
12. BELT CONVEYOR, AFBC1, 3'-0" W. X 84'-0" L., 15 HP.
13. BELT CONVEYOR, AFBC2, 3'-0" W. X 45'-0" L., 15 HP.
14. BELT CONVEYOR, AFBC3, 3'-0" W. X 80'-0" L., 15 HP.
15. SHAKER, AFVC1, 6'-0" W. X 30'-0" L., 25 HP.
16. BELT CONVEYOR, FBC1, 15'-0" W. X 34'-0" L., 10 HP.
17. BELT CONVEYOR, FBC2, 15'-0" W. X 45'-0" L., 15 HP.
18. BELT CONVEYOR, XFBC1, 3'-0" W. X 72'-0" L., 15 HP.
19. BELT CONVEYOR, XFBC2, 3'-0" W. X 128'-0" L., 20 HP.

B. MIDSIZE PROCESSING SUBSYSTEM:

20. SHAKER, MVC1-A, 6'-0" W. X 8'-0" L., (2) 1.88 HP.
21. SHAKER, MVC1-B, 6'-0" W. X 8'-0" L., (2) 1.88 HP.
22. BELT CONVEYOR, MBC3-A, 3'-0" W. X 60'-0" L., 20 HP.
23. SHAKER, MVC2-A, 8'-0" W. X 8'-0" L., (2) 1.88 HP.
24. MAGNETIC SEPARATOR, TMP-A, 1'-8" DIA. X 6'-8" L., 3 HP.
25. EDDY CURRENT SEPARATOR, MEC1-A, 7'-0" W. X 8'-0" L., 3 HP.
26. BELT CONVEYOR, MBC4, 5'-0" W. X 70'-0" L., 15 HP.
27. BELT CONVEYOR, FEBC1, 2'-0" W. X 4'-0" L., 5 HP.
28. BELT CONVEYOR, MBC5, 3'-0" W. X 40'-0" L., 15 HP.
29. BELT CONVEYOR, MBC3-B, 3'-0" W. X 40'-0" L., 15 HP.
30. BELT CONVEYOR, TBC6, 3'-0" W. X 25'-0" L., 5 HP.
31. SHAKER, MVC2-B, 8'-0" W. X 8'-0" L., (2) 1.88 HP.

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- 32. MAGNETIC SEPARATOR, TMP-B, 1'-8" DIA. X 6'-8" L., 3 HP.
- 33. EDDY CURRENT SEPARATOR, MEC1-B, 7'-0" W. X 8'-0" L., 3 HP.
- 34. EDDY CURRENT SEPARATOR, MEC2, 7'-6" W. X 9'-100" L., 5 HP.

C. MIDSIZE SENSING SUBSYSTEM:

- 35. SHAKER, MVC3-A, 8'-0" W. X 8'-0" L., (2) 3.2 HP.
- 36. SHAKER, MVC3-B, 8'-0" W. X 8'-0" L., (2) 3.2 HP.
- 37. RECOVERY SENSOR, MCS1-A, 8'-0" W. X 10'-0" L., 5 HP.
- 38. RECOVERY SENSOR, MCS1-B, 8'-0" W. X 10'-0" L., 5 HP.
- 39. RECOVERY SENSOR, MCS2-A, 8'-0" W. X 10'-0" L., 5 HP.
- 40. RECOVERY SENSOR, MCS2-B, 8'-0" W. X 10'-0" L., 5 HP.
- 41. BELT CONVEYOR, NFBC3, 2'-0" W. X 32'-0" L., 7.5 HP.
- 42. BELT CONVEYOR, NFBC8, 2'-0" W. X 17'-0" L., 7.5 HP.
- 43. BELT CONVEYOR, NFBC4, 2'-0" W. X 40'-0" L., 7.5 HP.
- 44. BELT CONVEYOR, NFBC5, 3'-0" W. X 39'-0" L., 15 HP.
- 45. BELT CONVEYOR, TBC4, REVERSING, 3'-0" W. X 32'-0" L., 15 HP.
- 46. BELT CONVEYOR, TBC9, 3'-0" W. X 26'-0" L., 15 HP.

D. MIDSIZE NON-FERROUS RECOVERY SUBSYSTEM:

- 47. SHAKER, NFVC1, 8'-0" W. X 10'-0" L., (2) 3.2 HP.
- 48. RECOVERY SENSOR, MRS1-A, 8'-0" W. X 10'-0" L., 5 HP.
- 49. BELT CONVEYOR, NFBC6, 2'-0" W. X 24'-0" L., 7.5 HP.
- 50. BELT CONVEYOR, NFBC7, 2'-0" W. X 12'-0" L., 7.5 HP.

E. FINES PROCESSING SUBSYSTEM:

- 51. TWIN BELT CONVEYOR, FBC6-A/FBC6-B, 2'-0" W. X 6'-0" L. EACH, 7.5 HP.
- 52. SHAKER, FVC2-A, 5'-0" W. X 8'-0" L., (2) 1.88 HP.
- 53. SHAKER, FVC2-B, 5'-0" W. X 8'-0" L., (2) 1.88 HP.
- 54. DYNAMIC SENSOR, FDS1-A, 5'-0" W. X 8'-0" L., 5 HP.
- 55. DYNAMIC SENSOR, FDS1-B, 5'-0" W. X 8'-0" L., 5 HP.
- 56. EDDY CURRENT, FEC1-A, 5'-0" W. X 8'-0" L., 5 HP.
- 57. EDDY CURRENT, FEC1-B, 5'-0" W. X 8'-0" L., 5 HP.
- 58. SPLITTER ROLLER, F-A, 0'-5" DIA. X 5'-0" L., 0.25 HP.
- 59. SPLITTER ROLLER, F-B, 0'-5" DIA. X 5'-0" L., 0.25 HP.
- 60. BELT CONVEYOR, FBC3, 2'-0" W. X 38'-0" L., 10 HP.
- 61. BELT CONVEYOR, TBC26, 2'-0" W. X 20'-0" L., 10 HP.
- 62. BELT CONVEYOR, FBC4, 3'-0" W. X 70'-0" L., 15 HP.
- 63. BELT CONVEYOR, FBC-5, 5'-0" W. X 8'-0" L., 10 HP.
- 64. SHAKER, FVC4-C, 8'-0" W. X 8'-0" L., (2) 3.9 HP.
- 65. EDDY CURRENT, FEC2, 5'-0" W. X 8'-0" L., 7.5 HP.
- 66. BELT CONVEYOR, TBC1, 3'-0" W. X 32'-0" L., 15 HP.
- 67. BELT CONVEYOR, TBC2, 3'-0" W. X 35'-0" L., 15 HP.

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68. BELT CONVEYOR, TBC7, 3'-0" W. X 40'-0" L., 7.5 HP.

F. STEEL RECOVERY SUBSYSTEM (VANOVER SYSTEM):

- 69. BELT CONVEYOR, VSBC1, 3'-0" W. X 56'-0" L., 15 HP.
- 70. BELT CONVEYOR, VSBC2, 3'-0" W. X 15'-0" L., 15 HP.
- 71. TROMMEL TUBE, VSTR1, 4'-0" W. X 18'-0" L., 10 HP.
- 72. CYCLONE SEPARATOR, VSBF1, WITH A 150 HP BLOWER.
- 73. BELT CONVEYOR, VSBC3, 3'-0" W. X 14'-0" L., 7.5 HP.
- 74. BELT CONVEYOR, VSBC6, 2'-0" W. X 94'-0" L., 15 HP.
- 75. BELT CONVEYOR, VSBC5, 2'-0" W. X 14'-0" L., 7.5 HP.
- 76. BELT CONVEYOR, VSBC7, 2'-0" W. X 14'-0" L., 10 HP.
- 77. BLOWER DUST COLLECTOR TBF9, 60 HP.
- 78. ROTARY AIR LOCK VSRV1, 2 HP.

G. EXTRA FINES PROCESSING SUBSYSTEM:

- 79. SCREW CONVEYOR, XFBC-6, 1'-6" DIA. X 14'-8" L., 10 HP.
- 80. SHAKER, XFVC2A, 5'-0" W. X 8'-0" L., (2) 3.2 HP.
- 81. SHAKER, XFVC2B, 5'-0" W. X 8'-0" L., (2) 3.2 HP.
- 82. DYNAMIC SENSOR, XFDS1-A, 5'-0" W. X 8'-0" L., 5 HP.
- 83. DYNAMIC SENSOR, XFDS1-B, 5'-0" W. X 8'-0" L., 5 HP.
- 84. EDDY CURRENT, XFEC1, 5'-0" W. X 8'-0" L., 5 HP.
- 85. EDDY CURRENT, XFEC2, 5'-0" W. X 8'-0" L., 5 HP.
- 86. SPLITTER ROLLER, XF-A, 0'-5" DIA. X 5'-0" L., 0.25 HP.
- 87. SPLITTER ROLLER, XF-B, 0'-5" DIA. X 5'-0" L., 0.25 HP.
- 88. BELT CONVEYOR, XFBC3, 2'-0" W. X 16'-5" L., 10 HP.
- 89. BELT CONVEYOR, XFBC5, 2'-0" W. X 6'-4" L., 10 HP.
- 90. SHAKER, XFVC5, 5'-0" W. X 8'-0" L., (2) 3.6 HP.
- 91. EDDY CURRENT, XFEC2, 5'-0" W. X 8'-0" L., (2) 5 HP.
- 92. BELT CONVEYOR, TBC11, 2'-0" W. X 34'-0" L., 10 HP.
- 93. BELT CONVEYOR, XFBC4, 2'-0" W. X 37'-0" L., 10 HP.

H. WIRE RECOVERY SUBSYSTEM:

- 94. BELT CONVEYOR, TBC13, 3'-0" W. X 40'-0" L., 10 HP.
- 95. BELT CONVEYOR, TBC14, 3'-0" W. X 34'-0" L., 10 HP.
- 96. TWIN BELT CONVEYOR, TBC15 A&B, 2'-0" W. X 6'-0" L. EACH, 5 HP.
- 97. SHAKER, TVC1-A, 8'-0" W. X 9'-0" L., (2) 4 HP.
- 98. SHAKER, TVC1-B, 8'-0" W. X 9'-0" L., (2) 4 HP.
- 99. BELT CONVEYOR, TBC16-A, 3'-10" W. X 255'-0" L., 5 HP.
- 100. BELT CONVEYOR, TBC16-B, 3'-10" W. X 255'-0" L., 5 HP.
- 101. BELT CONVEYOR, WBC1-A, 6'-0" W. X 11'-0" L., 10 HP.
- 102. BELT CONVEYOR, WBC1-B, 6'-0" W. X 11'-0" L., 10 HP.
- 103. ROLL BACK CONVEYOR, WBC2-A, 6'-0" W. X 15'-0" L., 10 HP.

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104. ROLL BACK CONVEYOR, WBC2-B, 6'-0" W. X 15'-0" L., 10 HP.
105. BELT CONVEYOR, TBC17, 3'-0" W. X 31'-0" L., 10 HP.
106. BELT CONVEYOR, TBC19, 2'-0" W. X 163'-0" L., 15 HP.
107. BELT CONVEYOR, TBC20, 3'-0" W. X 31'-0" L., 10 HP.
108. BELT CONVEYOR, WBC3, 5'-0" W. X 37'-0" L., 11 HP.
109. BELT CONVEYOR, WBC7, 5'-0" W. X 37'-0" L., 12 HP.
110. CYCLONE SEPARATOR, TBF1-A, 125 HP, WITH A Z-BOX SEPARATOR.
111. CYCLONE SEPARATOR, TBF1-B, 125 HP, WITH A Z-BOX SEPARATOR.
112. ROTARY AIR LOCK, TRVI-A, 2'-3" DIA. X 1'-6" L., 2 HP.
113. ROTARY AIR LOCK, TRVI-B, 2'-3" DIA. X 1'-6" L., 2 HP.
114. BELT CONVEYOR, TBC25, 3'-0" W. X 34'-0" L., 15 HP.
115. SHAKER, WVC2-A, 8'-0" W. X 9'-0" L., (2) 4 HP.
116. SHAKER, WVC2-B, 8'-0" W. X 9'-0" L., (2) 4 HP.
117. RECOVERY SENSOR, WCS1-A, 6'-3" W. X 10'-0" L., 5 HP.
118. RECOVERY SENSOR, WCS2-A, 6'-3" W. X 10'-0" L., 5 HP.
119. RECOVERY SENSOR, WCS3-A, 6'-3" W. X 10'-0" L., 5 HP.
120. RECOVERY SENSOR, WCS4-A, 6'-3" W. X 10'-0" L., 5 HP.
121. RECOVERY SENSOR, WCS1-B, 6'-3" W. X 10'-0" L., 5 HP.
122. RECOVERY SENSOR, WCS2-B, 6'-3" W. X 10'-0" L., 5 HP.
123. RECOVERY SENSOR, WCS3-B, 6'-3" W. X 10'-0" L., 5 HP.
124. RECOVERY SENSOR, WCS4-B, 6'-3" W. X 8'-0" L., 5 HP.
125. BELT CONVEYOR, WBC16-A, 3'-0" W. X 2'-7" L., 15 HP.
126. BELT CONVEYOR, WBC16-B, 3'-0" W. X 2'-7" L., 15 HP.
127. BELT CONVEYOR, TBC22, 3'-0" W. X 26'-6" L., 10 HP.
128. BELT CONVEYOR, TBC23, 3'-0" W. X 57'-4" L., 15 HP.
129. PICKING BELT CONVEYOR, WBC17, 3'-0" W. X 66'-0" L., 15 HP.
130. BELT CONVEYOR, TBC21, 2'-0" W. X 17'-0" L., 10 HP.
131. BELT CONVEYOR, TBC27, 3'-0" W. X 19'-0" L., 10 HP.
132. BELT CONVEYOR, TBC28, 3'-0" W. X 42'-0" L., 10 HP.
133. BELT CONVEYOR, TBC42, 3'-0" W. X 21'-0" L., 15 HP.
134. BELT CONVEYOR, TBC29, 3'-0" W. X 106'-0" L., 15 HP.
135. SHAKER, WVC1-C, 6'-6" W. X 8'-0" L., (2) 4 HP.
136. CYCLONE SEPARATOR, TBF1-C, 100 HP, WITH A Z-BOX SEPARATOR.
137. ROTARY AIR LOCK, TRVI-C, 2'-3" DIA. X 1'-6" L., 2 HP.
138. BELT CONVEYOR, TBC30, 2'-0" W. X 53'-0" L., 10 HP.
139. SHAKER, WVC2-C, 6'-6" W. X 8'-0" L., (2) 4 HP.
140. RECOVERY SENSOR, WCS1-C, 6'-3" W. X 10'-0" L., 5 HP.
141. RECOVERY SENSOR, WCS2-C, 6'-3" W. X 10'-0" L., 5 HP.
142. RECOVERY SENSOR, WCS3-C, 6'-3" W. X 10'-0" L., 5 HP.
143. RECOVERY SENSOR, WCS4-C, 6'-3" W. X 10'-0" L., 5 HP.
144. BELT CONVEYOR, WBC16-C, 3'-0" W. X 27'-6" L., 15 HP.
145. PICKING BELT CONVEYOR, WBC18, 3'-0" W. X 4'-6" L., 10 HP
146. BELT CONVEYOR, WBC19, 2'-0" W. X 18'-0" L., 10 HP.
147. ROTARY AIR LOCK, TRV6, 2'-0" DIA. X 7'-0" L., 1 HP.
148. ROTARY AIR LOCK, TRV7, 2'-0" DIA. X 7'-0" L., 1 HP.

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- 149. BLOWER CLASSIFIER, TBF8, 50 HP.
- 150. CLASSIFIER, TRV8, 1 HP.
- 151. CYCLONE, TRV9, 1 HP.
- 152. BELT CONVEYOR, WBC20, 2'-0" W. X 8'-2" L., 1 HP.
- 153. BELT CONVEYOR, TBC31, 3'-0" W. X 42'-0" L., 10 HP.
- 154. BELT CONVEYOR, TBC32, 2'-0" W. X 14'-0" L., 10 HP.
- 155. BELT CONVEYOR, TBC33, 2'-0" W. X 34'-2" L., 10 HP.
- 156. SHAKER, TVC2, 8'-0" W. X 8'-0" L., (2) 4 HP TOTAL.
- 157. ROTARY AIR LOCK, TRV2-D, 2'-0" DIA. X 7'-0" L., 1 HP.
- 158. BLOWER ASPIRATOR, TBF1-D, WITH A 50 HP BLOWER.
- 159. ROTARY AIR LOCK, TRV1-D, 4'-0" DIA. X 2'-10" L., 1 HP.
- 160. BELT CONVEYOR, TBC34, 2'-0" W. X 10'-2" L., 7.5 HP.
- 161. BELT CONVEYOR, TBC35, 2'-0" W. X 24'-0" L., 7.5 HP.
- 162. BELT CONVEYOR, TBC36, 3'-0" W. X 42'-2" L., 10 HP.
- 163. RECOVERY SENSOR, WCS1-D, 6'-3" W. X 10'-0" L., 5 HP.
- 164. RECOVERY SENSOR, WCS2-D, 6'-3" W. X 10'-0" L., 5 HP.
- 165. RECOVERY SENSOR, WCS3-D, 6'-3" W. X 10'-0" L., 5 HP.
- 166. RECOVERY SENSOR, WCS4-D, 6'-3" W. X 10'-0" L., 5 HP.
- 167. BELT CONVEYOR, WBC16-D, 4'-0" W. X 40'-0" L., 10 HP.
- 168. CHEM SCREW, TSF1, 4'-0" DIA. X 16'-5" L., 50 HP.
- 169. BELT CONVEYOR, TBC3, 3'-0" W. X 48'-0" L., 20 HP.
- 170. CEMENT DISCHARGE SCREW CONVEYOR, CSF1-A, 7'-0" DIA. X 17'-0" L. X 5 HP.
- 171. CEMENT DISCHARGE SCREW CONVEYOR, CSF1-B, 7'-0" DIA. X 17'-0" L. X 5 HP.
- 172. TRIPLE AUGER, TSF3, 4'-0" W. X 16'-0" L., 5 HP.
- 173. BELT CONVEYOR, TBC51, 4'-0" W. X 21'-0" L., 10 HP.
- 174. BELT CONVEYOR, TBC10, 2'-0" W. X 10'-2" L., 25 HP.

I. COPPER RECOVERY SUBSYSTEM:

- 175. BELT CONVEYOR, TBC37, 2' W X 66.2' L, 10 HP
- 176. BELT CONVEYOR, TBC38, 2' W X 20.2' L, 10 HP
- 177. SHAKER, TVC3, 5'-0" W. X 8'-0" L , 2 @ (2) 3.9 HP
- 178. ROTARY LOCK, CURV1-A CUBC1. 6' X 4", 1 HP
- 179. ROTARY LOCK, CURV1-B TRV7-E, 6' X 4", 1 HP
- 180. P-10 UNIT, CUVC1-A CUBC2, 6' W X 8' L, 2 HP
- 181. P-10 UNIT, CUVC1-B TVC4, 6' W X 8' L, 2 HP
- 182. SWEECO, CUSW1-A CUBC3, 40", 2.5 HP
- 183. SWEECO, CUSW1-B TSC1, 40", 2.5 HP
- 184. BLOWER, TBF2-A TBF2-E, 923 RBO, 75 HP
- 185. BLOWER, TBF2-B TBF3-E, 923 RBO, 75 HP
- 186. BLOWER DUST COLLECTOR TBF5 100 HP
- 187. ROTARY LOCK, TRV3-A, 8"L. X 4" W., 1 HP
- 188. ROTARY LOCK, TRV3-B TRV6-E, 8"L. X 4" W., 1 HP
- 189. BELT CONVEYOR, CUBC1-A CUVC3, 1' W X 6' L, 1 HP
- 190. BELT CONVEYOR, CUBC1-B CUBC4, 14'-0" W. X 12" L , 0.5 HP

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191. ROTARY LOCK, CURV2-A TRV4-E, 40"x4", 1 HP
192. ROTARY LOCK, CURV2-B CUBC6, 8"L. X 4" W., 1 HP
193. BELT CONVEYOR, TBC49 TRV5-E, 4" w x 21' L, 5 HP
194. BELT CONVEYOR, TBC41, 4" w x 46' L, 10 HP
195. BELT CONVEYOR, CUBC2-A, 14'-0" W. X 12" L, 1 HP
196. BELT CONVEYOR, CUBC2-B CURV1, 14'-0" W. X 12" L, .5 HP
197. SWEECO, CUSW2-A, 40", 2.5 HP
198. SWEECO, CUSW2-B TSC2, 40", 2.5 HP
199. P-6 UNIT, CUVC2-A TRV3-E, 42"x72", 2 HP
200. P-6 UNIT, CUVC2-B TBC46, 42x72, 2 HP
201. BLOWER, TBF3-A TCR1, 915 RB8, 30 HP
202. BLOWER, TBF3-B TBF5, 923 RBO, 75 HP
203. ROTARY LOCK, TRV4-A UTLP1, 8"L. X 4" W., 1 HP
204. ROTARY LOCK, TRV4-B TRV8, 8"L. X 4" W., 1 HP
205. BLOWER DUST COLLECTOR TBF6 75 HP
206. BELT CONVEYOR, CUBC3-B CUVC4. 10' X 24' L, 1 HP
207. BELT CONVEYOR, CUBC4-A 10' X 24' L, 1 HP
208. BELT CONVEYOR, CUBC4-B 10' X 24' L, 1 HP
209. BELT CONVEYOR, CUBC5-B 10' X 24' L, 5 HP
210. ROTARY LOCK, CURV3-A, 20"x4", 1 HP
211. ROTARY LOCK, CURV3-B, 20"x4", 1 HP
212. P-4 UNIT, CUVC3-A, 36"x72", 1 HP
213. P-4 UNIT, CUVC3-B, 36"x72", 1 HP
214. BLOWER, TBF4-A, 915 RB8, 50 HP
215. BLOWER, TBF4-B, 915 RB8, 50 HP
216. ROTARY LOCK, TRV5-A, 8"L. X 4" W., 1 HP
217. ROTARY LOCK, TRV5-B, 8"L. X 4" W., 1 HP
218. BLOWER DUST COLLECTOR TBF7 50 HP
219. BELT CONVEYOR, TBC50, 2' W X 20.2' L, 1 HP
220. BELT CONVEYOR, TBC40, 2' W X 20.2' L, 10 HP.
221. TRIPLE AUGER, TSF2, 4" w x 16' L, 10 HP.
222. BELT CONVEYOR, TBC44, 2' W X 20.2' L, 15 HP.
223. BELT CONVEYOR, TBC45, 2' W X 50.2' L, 20 HP.
224. BELT CONVEYOR, TBC46, 2' W X 1002' L, 20 HP. 5

J. COMPRESSOR SUBSYSTEM:

225. COMPRESSOR #1, UTAC1. 217HP
226. COMPRESSOR #3, UTAC3. 272HP
227. COMPRESSOR #4, UTAC4. 272HP
228. BLOWER UTCT1-F1 10 HP
229. WATER PUMP1, UTCT1-P1, 25HP
230. WATER PUMP2, UTCT1-P2, 25HP
231. WATER PUMP3, UTCT1-P3, 5HP

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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. TOTAL QUANTITY OF MATERIAL PROCESSED BY THIS EQUIPMENT SHALL NOT EXCEED 38,571 LONG TONS IN ANY ONE CALENDAR MONTH.
[RULE 1303 (b)(2) - OFFSETS]
4. SUFFICIENT WATER SHALL BE SPRAYED, AS NEEDED, AT TRANSFER POINTS AND SCREENS TO PREVENT EXCESSIVE DUST EMISSIONS.
[RULE 1303 (a)(1) – BACT]
5. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH THE ABOVE PERMIT CONDITIONS. THE RECORDS SHALL BE KEPT FOR A MINIMUM OF THE LAST TWO YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004 (a)(4)]

Periodic Monitoring:

6. 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 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 THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:
 - A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS FOR WHICH COMPLIANCE WAS ACHIEVED IN THE PAST; OR

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- B. TAKE CORRECTIVE ACTION(S) TO ELIMINATE THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE EMISSIONS AS A POTENTIAL DEVIATION IN COMPLIANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
- C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

[RULE 3004 (a) (4)]

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

- A. STACK OR EMISSION POINT IDENTIFICATION;
- B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATIONS RECORDED BY A CERTIFIED SMOKE READER.

[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
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

**Permit No. G16985
A/N 522016**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. DUST COLLECTOR, DONALDSON-TORIT, MODEL DLMC-4/8/15, WITH 256 FILTER BAGS, 4134 SQ. FT. TOTAL FILTER AREA AND PULSE JET CLEANING.
2. EXHAUST SYSTEM WITH A 75 HP. BLOWER, VENTING CYCLONE VSB1 OF THE STEEL RECOVERY SUBSYSTEM.

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. A MECHANICAL GAUGE SHALL BE INSTALLED AND MAINTAINED AT THE DUST COLLECTOR TO INDICATE, IN INCHES OF WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE BAGS. THE TOTAL STATIC PRESSURE DIFFERENTIAL ACROSS THE DUST COLLECTOR SHALL REMAIN BETWEEN 0.5 AND 8.0 INCHES OF WATER COLUMN DURING NORMAL OPERATION.
[RULE 404]
4. DUST COLLECTED IN THE DUST COLLECTOR SHALL BE DISCHARGED ONLY INTO ENCLOSED CONTAINERS OR RETURNED TO THE PROCESS AND SHALL NOT BE HANDLED IN A MANNER THAT MAY RESULT IN THE RE-RELEASE OF COLLECTED MATERIAL TO THE ATMOSPHERE.
[RULE 404]
5. THIS EQUIPMENT SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF AQMD RULE 1155. [RULE 1155]

FACILITY PERMIT TO OPERATE SA RECYCLING LLC, ADAMS STEEL DBA

6. RECORDS SHALL BE MAINTAINED TO SHOW COMPLIANCE WITH RULE 1155 REQUIREMENT OF EMISSIONS MONITORING AND RECORD KEEPING. RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS, AND MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 3004 (a) (4)]

Periodic and Compliance Assurance Monitoring:

7. THE OPERATOR SHALL PERFORM AN 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):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [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.
RULE 405, SEE APPENDIX B FOR EMISSION LIMITS.
RULE 1155, PARTICULAR MATTER CONTROL DEVICES.

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO OPERATE

**Permit No. G16986
A/N 524495**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. DUST COLLECTOR, DONALDSON-TORIT, MODEL 4DF32, WITH 32 FILTER CARTRIDGES, 7232 SQ. FT. TOTAL FILTER AREA, AND PULSE JET CLEANING.
2. EXHAUST SYSTEM WITH A 50 HP. BLOWER, VENTING CYCLONE P-4 OF THE COPPER RECOVERY SUBSYSTEM.

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. A MECHANICAL GAUGE SHALL BE INSTALLED AND MAINTAINED AT THE DUST COLLECTOR TO INDICATE, IN INCHES OF WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE BAGS. THE TOTAL STATIC PRESSURE DIFFERENTIAL ACROSS THE DUST COLLECTOR SHALL REMAIN BETWEEN 0.5 AND 8.0 INCHES OF WATER COLUMN DURING NORMAL OPERATION.
[RULE 404]
4. DUST COLLECTED IN THE DUST COLLECTOR SHALL BE DISCHARGED ONLY INTO ENCLOSED CONTAINERS OR RETURNED TO THE PROCESS AND SHALL NOT BE HANDLED IN A MANNER THAT MAY RESULT IN THE RE-RELEASE OF COLLECTED MATERIAL TO THE ATMOSPHERE.
[RULE 404]
5. THIS EQUIPMENT SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF AQMD RULE 1155. [RULE 1155]

FACILITY PERMIT TO OPERATE SA RECYCLING LLC, ADAMS STEEL DBA

6. RECORDS SHALL BE MAINTAINED TO SHOW COMPLIANCE WITH RULE 1155 REQUIREMENT OF EMISSIONS MONITORING AND RECORD KEEPING. RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS, AND MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 3004 (a) (4)]

Periodic and Compliance Assurance Monitoring:

7. THE OPERATOR SHALL PERFORM AN 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):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [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.
RULE 405, SEE APPENDIX B FOR EMISSION LIMITS.
RULE 1155, PARTICULAR MATTER CONTROL DEVICES.

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO CONSTRUCT

**Permit No. G16987
A/N 524496**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. DUST COLLECTOR, DONALDSON-TORIT, MODEL 3DF36, WITH 36 FILTER CARTRIDGES, 8136 SQ. FT. TOTAL FILTER AREA, PULSE JET CLEANING, AND A BAG LEAK DETECTION SYSTEM, TYCO, MODEL BBD6-4100.
2. EXHAUST SYSTEM WITH A 36 INCH DIAMETER EXHAUST STACK AND A 60 HP. BLOWER, VENTING CYCLONE P-6 OF THE COPPER RECOVERY SUBSYSTEM.

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. A MECHANICAL GAUGE SHALL BE INSTALLED AND MAINTAINED AT THE DUST COLLECTOR TO INDICATE, IN INCHES OF WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE BAGS. THE TOTAL STATIC PRESSURE DIFFERENTIAL ACROSS THE DUST COLLECTOR SHALL REMAIN BETWEEN 0.5 AND 8.0 INCHES OF WATER COLUMN DURING NORMAL OPERATION.
[RULE 404]
4. DUST COLLECTED IN THE DUST COLLECTOR SHALL BE DISCHARGED ONLY INTO ENCLOSED CONTAINERS OR RETURNED TO THE PROCESS AND SHALL NOT BE HANDLED IN A MANNER THAT MAY RESULT IN THE RE-RELEASE OF COLLECTED MATERIAL TO THE ATMOSPHERE.
[RULE 404]
5. THIS EQUIPMENT SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF AQMD RULE 1155. [RULE 1155]

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

6. THE OPERATOR SHALL CONDUCT A SOURCE TEST IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
- A. THE TEST SHALL BE CONDUCTED WITHIN 60 DAYS FROM THE DATE THE EQUIPMENT IS INSTALLED AND BECOMES OPERATIONAL.
 - B. THE TEST SHALL BE CONDUCTED AT EXHAUST STACK OF THE DUST COLLECTOR TO DETERMINE THE TOTAL PARTICULATE EMISSIONS TO SHOW COMPLIANCE WITH RULE 1155 EMISSION LIMIT OF 0.01 GR/DSCF.
 - C. THE TEST SHALL BE CONDUCTED WHEN THE BASIC EQUIPMENT IS OPERATING AT MAXIMUM LOAD.
 - D. THE DISTRICT ENGINEER IDENTIFIED ON THE PERMIT SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST, OR WITHIN A TIME PERIOD AGREED UPON BY THE DISTRICT ENGINEER.
 - E. THE METHOD USED FOR SOURCE TESTING SHALL BE APPROVED IN WRITING BY THE SCAQMD PRIOR TO THE TEST.
 - F. THE TESTING FACILITY SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR SAMPLING FACILITIES, PURSUANT TO DISTRICT RULE 217 AND SHALL BE IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST).
[RULE 1303 (b) (2)]
7. THE OPERATOR SHALL PROVIDE TO THE DISTRICT TWO COPIES OF THE SOURCE TEST REPORT IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS.
- A. THE TEST RESULTS SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS AFTER THE SOURCE TEST WAS CONDUCTED.
 - B. THE EMISSION DATA SHALL BE EXPRESSED IN TERMS OF MASS RATE (LBS/HR) AND GRAIN LOADING (GR/DSCF).
 - C. THE EXHAUST FLOW RATE SHALL BE EXPRESSED IN TERMS OF DRY STANDARD CUBIC FEET PER MINUTE (DSCFM) AND DRY ACTUAL CUBIC FEET PER MINUTE (DACFM).
 - D. THE TEST RESULTS SHALL INCLUDE THE PROCESS WEIGHT UNDER WHICH THE TEST WAS CONDUCTED.
[RULE 1303 (b) (2)]

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

8. RECORDS SHALL BE MAINTAINED TO SHOW COMPLIANCE WITH RULE 1155 REQUIREMENT OF EMISSIONS MONITORING AND RECORD KEEPING. RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS, AND MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 3004 (a) (4)]

Periodic and Compliance Assurance Monitoring:

9. THE OPERATOR SHALL PERFORM AN 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):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [RULE 3004 (a) (4)]

Emissions and Requirements:

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS.
 - RULE 405, SEE APPENDIX B FOR EMISSION LIMITS.
 - RULE 1155, PARTICULAR MATTER CONTROL DEVICES.

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO CONSTRUCT

**Permit No. G16988
A/N 524497**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. DUST COLLECTOR, DONALDSON-TORIT, MODEL 4DF64, WITH 64 FILTER CARTRIDGES, 14464 SQ. FT. TOTAL FILTER AREA, PULSE JET CLEANING, AND A BAG LEAK DETECTION SYSTEM, TYCO, MODEL BBD6-4100.
2. EXHAUST SYSTEM WITH A 44 INCH DIAMETER EXHAUST STACK AND A 75 HP. BLOWER, VENTING CYCLONE P-10 OF THE COPPER RECOVERY SUBSYSTEM.

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. A MECHANICAL GAUGE SHALL BE INSTALLED AND MAINTAINED AT THE DUST COLLECTOR TO INDICATE, IN INCHES OF WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE BAGS. THE TOTAL STATIC PRESSURE DIFFERENTIAL ACROSS THE DUST COLLECTOR SHALL REMAIN BETWEEN 0.5 AND 8.0 INCHES OF WATER COLUMN DURING NORMAL OPERATION.
[RULE 404]
4. DUST COLLECTED IN THE DUST COLLECTOR SHALL BE DISCHARGED ONLY INTO ENCLOSED CONTAINERS OR RETURNED TO THE PROCESS AND SHALL NOT BE HANDLED IN A MANNER THAT MAY RESULT IN THE RE-RELEASE OF COLLECTED MATERIAL TO THE ATMOSPHERE.
[RULE 404]
5. THIS EQUIPMENT SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF AQMD RULE 1155. [RULE 1155]

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

6. THE OPERATOR SHALL CONDUCT A SOURCE TEST IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
- A. THE TEST SHALL BE CONDUCTED WITHIN 60 DAYS FROM THE DATE THE EQUIPMENT IS INSTALLED AND BECOMES OPERATIONAL.
 - B. THE TEST SHALL BE CONDUCTED AT EXHAUST STACK OF THE DUST COLLECTOR TO DETERMINE THE TOTAL PARTICULATE EMISSIONS TO SHOW COMPLIANCE WITH RULE 1155 EMISSION LIMIT OF 0.01 GR/DSCF.
 - C. THE TEST SHALL BE CONDUCTED WHEN THE BASIC EQUIPMENT IS OPERATING AT MAXIMUM LOAD.
 - D. THE DISTRICT ENGINEER IDENTIFIED ON THE PERMIT SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST, OR WITHIN A TIME PERIOD AGREED UPON BY THE DISTRICT ENGINEER.
 - E. THE METHOD USED FOR SOURCE TESTING SHALL BE APPROVED IN WRITING BY THE SCAQMD PRIOR TO THE TEST.
 - F. THE TESTING FACILITY SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR SAMPLING FACILITIES, PURSUANT TO DISTRICT RULE 217 AND SHALL BE IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST).
[RULE 1303 (b) (2)-OFFSETS]
7. THE OPERATOR SHALL PROVIDE TO THE DISTRICT TWO COPIES OF THE SOURCE TEST REPORT IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS.
- A. THE TEST RESULTS SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS AFTER THE SOURCE TEST WAS CONDUCTED.
 - B. THE EMISSION DATA SHALL BE EXPRESSED IN TERMS OF MASS RATE (LBS/HR) AND GRAIN LOADING (GR/DSCF).
 - C. THE EXHAUST FLOW RATE SHALL BE EXPRESSED IN TERMS OF DRY STANDARD CUBIC FEET PER MINUTE (DSCFM) AND DRY ACTUAL CUBIC FEET PER MINUTE (DACFM).
 - D. THE TEST RESULTS SHALL INCLUDE THE PROCESS WEIGHT UNDER WHICH THE TEST WAS CONDUCTED.
[RULE 1303 (b) (2)-OFFSETS]

FACILITY PERMIT TO OPERATE SA RECYCLING LLC, ADAMS STEEL DBA

8. RECORDS SHALL BE MAINTAINED TO SHOW COMPLIANCE WITH RULE 1155 REQUIREMENT OF EMISSIONS MONITORING AND RECORD KEEPING. RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS, AND MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 3004 (a) (4)]

Periodic and Compliance Assurance Monitoring:

9. THE OPERATOR SHALL PERFORM AN 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):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [RULE 3004 (a) (4)]

Emissions and Requirements:

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS.
RULE 405, SEE APPENDIX B FOR EMISSION LIMITS.
RULE 1155, PARTICULAR MATTER CONTROL DEVICES.

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

PERMIT TO CONSTRUCT

A/N 556712

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. DUST COLLECTOR, DONALDSON-TORIT, MODEL 4DF64, WITH 64 FILTER CARTRIDGES, 14464 SQ. FT. TOTAL FILTER AREA, PULSE JET CLEANING, AND A BAG LEAK DETECTION SYSTEM, TYCO, MODEL BBD6-4100.
2. EXHAUST SYSTEM WITH A 44 INCH DIAMETER EXHAUST STACK AND A 75 HP. BLOWER, VENTING CYCLONE P-10 OF THE COPPER RECOVERY SUBSYSTEM AND A CRUSHER AND A SHAKER SCREEN OF THE IRON ORE CRUSHING RESEARCH PROJECT (A/N 553969).

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. A MECHANICAL GAUGE SHALL BE INSTALLED AND MAINTAINED AT THE DUST COLLECTOR TO INDICATE, IN INCHES OF WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE BAGS. THE TOTAL STATIC PRESSURE DIFFERENTIAL ACROSS THE DUST COLLECTOR SHALL REMAIN BETWEEN 2.5 AND 7.5 INCHES OF WATER COLUMN DURING NORMAL OPERATION.
[RULE 404]
4. DUST COLLECTED IN THE DUST COLLECTOR SHALL BE DISCHARGED ONLY INTO ENCLOSED CONTAINERS OR RETURNED TO THE PROCESS AND SHALL NOT BE HANDLED IN A MANNER THAT MAY RESULT IN THE RE-RELEASE OF COLLECTED MATERIAL TO THE ATMOSPHERE.
[RULE 404]
5. THIS EQUIPMENT SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF AQMD RULE 1155. [RULE 1155]

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

6. RECORDS SHALL BE MAINTAINED TO SHOW COMPLIANCE WITH RULE 1155 REQUIREMENT OF EMISSIONS MONITORING AND RECORD KEEPING. RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS, AND MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 3004 (a) (4)]

Periodic and Compliance Assurance Monitoring:

7. THE OPERATOR SHALL PERFORM AN 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):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [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.
RULE 405, SEE APPENDIX B FOR EMISSION LIMITS.

FACILITY PERMIT TO OPERATE SA RECYCLING LLC, ADAMS STEEL DBA

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

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

Conditions:

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

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

**FACILITY PERMIT TO OPERATE
SA RECYCLING LLC, ADAMS STEEL DBA**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

See Section D of this permit for any Permits to construct issued to this facility.

APPL. NO. 553962, 553969,
555462, 556712

ENGINEERING AND COMPLIANCE DIVISION

PROCESSED BY: R. Singh
CHECKED BY:

APPLICATION PROCESSING AND CALCULATION

DATE: 08/03/13

PERMIT TO CONSTRUCT/OPERATE EVALUATION

Applicant's Name

SA RECYCLING LLC

Company I.D.

153095

Mailing Address

3200 EAST FRONTERA ST., ANAHEIM, CA 92806

Equipment Address

3200 EAST FRONTERA ST., ANAHEIM, CA 92806

EQUIPMENT DESCRIPTION:Application No. 553962 (Iron Extraction)

IRON ORE TAILINGS BENEFICIATION R & D SYSTEM CONSISTING OF:

1. TRACK FEEDER M1-A, 6'-2" W. X 20'-0" L. X 10'-6" H., 20 H.P.
2. IN-FEED CONVEYOR M2-A, 3'-0" W. X 45'-0" L., 20 H.P.
3. SHAKER SCREW M3-A, BIVI-TEC, 6'-7" W. X 22'-6" L. X 8'-10" H., 20 H.P., WITH A FRESH WATER PUMP M4-A, 125 H.P.
4. TRANSITION BIN, 7'-0" W. X 17'-0" L. X 6'-0" H., WITH A 100 H.P. SLURRY PUMP M5-A.
5. THREE WET MAGNETIC SEPARATORS M7-A, M14-A & M16-A, EACH 6'-0" W. X 14'-0" L. X 6'-0" H., 10 H.P.
6. ONE WET MAGNETIC SEPARATOR M10-A, 6'-0" W. X 6'-0" L. X 6'-0" H., 7.5 H.P.
7. TWO CONE BINS, EACH 6'-0" DIA. X 4'-0" H., WITH ONE HYDRO CYCLONE M17-A, 2'-0" DIA. X 9'-0" H., AND TAILING PUMP M11-A, 150 H.P.
8. DERRICK SHAKER M9-A, 4'-0" W. X 11'-0" L. X 9'-0" H., 1.5 H.P., WITH A SLURRY PUMP M8-A, 20 H.P.
9. AUGER SEPARATOR M6-A, 3'-8" DIA. X 32'-0" L., 30 H.P.
10. FRESH WATER MAKE UP PUMP M12-A, 5 H.P.
11. TWO FRESH WATER MAKE UP PUMPS M13-A & M15A, EACH 10 H.P.

**APPL. NO. 553962, 553969,
555462, 556712****ENGINEERING AND COMPLIANCE DIVISION****PROCESSED BY: R. Singh
CHECKED BY:****APPLICATION PROCESSING AND CALCULATION****DATE: 08/03/13**Application No. 553969 (Iron Ore Crushing)**IRON ORE AGGREGATE CRUSHING AND SCREENING R & D SYSTEM CONSISTING OF:**

1. TRIPLE AUGER TSF2, 5'-6" W. X 19'-1" L. X 6'-7" H., 10 H.P.
2. CONVEYOR TBC44, 3'-0" W. X 24'-4" L., 15 H.P.
3. CONVEYOR TBC45, 3'-0" W. X 60'-9" L., 15 H.P.
4. CONVEYOR TBC46, 3'-0" W. X 20'-2" L., 15 H.P.
5. CONVEYOR CUBC2, 3'-0" W. X 16'-2" L., 10 H.P.
6. IMPACT CRUSHER TCR1, CEMCO, MODEL 54, 6'-0" DIA. X 3'-9" H., 150 H.P.
7. CONVEYOR CUBC1, 4'-0" W. X 28'-4" L., 10 H.P.
8. SHAKER SCREEN CUVC1, TRIPLE S, 5'-3" W. X 15'-1-1/2" L. X 3'-0" H., 5 H.P.

APPLICATION NO. 556712**AIR POLLUTION CONTROL SYSTEM CONSISTING OF:**

1. DUST COLLECTOR, DONALDSON-TORIT, MODEL 4DF64, WITH 64 FILTER CARTRIDGES, 14464 SQ. FT. TOTAL FILTER AREA, PULSE JET CLEANING, AND A BAG LEAK DETECTION SYSTEM, TYCO, MODEL BBD6-4100.
2. EXHAUST SYSTEM WITH A 44 INCH DIAMETER EXHAUST STACK AND A 75 HP. BLOWER, VENTING CYCLONE P-10 OF THE COPPER RECOVERY SUBSYSTEM AND A CRUSHER, A SHAKER SCREEN AND A CONVEYOR OF THE IRON ORE CRUSHING RESEARCH OPERATION.

BACKGROUND:

This is a Title V facility, engaged in scrap metal shredding. The facility submitted two permit applications on 7/3/13 for a research operation under Rule 441 to construct/operate an iron ore crushing and screening system (A/N 553969) and an iron ore tailings beneficiation system (A/N 553962) to recover iron oxide from iron ore tailings. This research operation will be installed to determine the feasibility of this operation. If feasible, this information will be used to come up with a prototype design to be installed in Eagle Mountain, California, a previous iron ore mining site. Emissions from the crushing and screening operation will be vented to an existing dust collector. A/N 556712 was submitted for modification of the dust collector which is operating under PO # G16988 (A/N 524497), currently venting the copper recovery line in the Material Recovery Plant (MRP - PO # G6281). The dust collector will be modified to vent the iron ore crushing research operation (A/N 553969) in addition to venting the copper recovery line. A/N 555462 was submitted for the Title V permit revision. This is considered a de minimis significant permit revision (type 56).

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PROCESS DESCRIPTION:

First, iron ore will be processed in the crushing and screening plant (A/N 553969) consisting of an auger, a crusher and a triple shaker screen (see the attached flow diagram). The triple screen divides the product into three separate sizes: ½" plus, ½" thru 2 mm, and 2 mm minus. The ½" plus and 1/2" thru 2 mm product is again processed through the crusher. Emissions from the crusher and the screen will be vented to an existing dust collector. The 2 mm minus product is sent to the iron ore tailings beneficiation system (A/N 553962) to recover iron oxide from the tailings. In this system, the product is passed through a series of magnets (see the attached flow diagram) to separate iron from "gangue" which has no economic value. The applicant estimates that 10 to 20 percent of the iron ore tailings processed will be recoverable iron oxide. The iron ore tailings processed in this system is in slurry form. Therefore, emissions from this system are expected to be insignificant.

A check on the compliance data did not show any open violations. The facility is in an industrial area and there are no schools within 1000 feet of this facility.

EMISSION CALCULATIONS:**A/N 553962 (Iron Extraction System)**

The following information is provided by the applicant:

Throughput = 30 tons/hr
= 30 ton/hr x 1 hrs/day
= 30 tons/day
= 30 tons/day x 13 days/month
= 390 tons/month (**permit condition**)

The following emission factors from AP-42, Table 11.24 -2 (metallic minerals processing), considering high moisture source, are used in the calculations below:

Material handling and transfer including screening, PM-uncontrolled = 0.01 lb/ton (wet material)

Material handling and transfer including screening, PM10-uncontrolled = 0.004 lb/ton (wet material)

<u>Transfer pt.</u>	<u>Throughput</u> tons/day.	<u>PM</u> lb/day	<u>PM10</u> lb/day
Track feeder to in-feed conveyor	30	0.3	0.12
In-feed conveyor to shaker	30	0.3	0.12
Shaker M3-A	30	0.3	0.12
Total		0.9	0.36

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After the shaker, the material is in slurry form and is pumped through various magnets. PM emission from this portion of the process is expected to be insignificant.

R1, R2 (PM) = 0.9 lb/day
= 0.9 lb/hr @ 1 hr/day

R1, R2 (PM10) = 0.36 lb/day
= 0.36 lb/hr @ 1 hr/day

AEIS & NSR Emission Data

R1 (PM10) = 0.36 lb/hr
R2 (PM10) = 0.36 lb/hr

30-day average R2 (PM10) = (0.36/day x 13 days /month) / 30
= 0.16 lb/day

Maximum annual R2 (PM10) = 0.36 lb/day x 3 days / wk x 52 wks / yr
= 56 lbs/yr

A/N 553969 (Iron Ore Crushing System)

Operating hours: 1 hrs per day, 3 days per week, 52 weeks per year (maximum)

Throughput = 30 tons/hr
= 30 ton/hr x 1 hrs/day x 13 days/month
= 390 tons/month (permit condition)

The following emission factors from AP-42, Table 11.24 -2 (metallic minerals processing), considering low moisture source, are used in the calculations below:

	PM -R1 (lb/ton)	PM10 - R1 (lb/ton)
Material handling and transfer including screening	0.12	0.06
Material crushing (primary crushing)	0.5	0.05

<u>Transfer point.</u>	<u>Throughput</u> tons/day.	<u>PM (lb/day)</u>		<u>PM10 (lb/day)</u>	
		R1	R2	R1	R2
Triple auger to conveyor TBC44	30	3.6	3.6	1.8	1.8
Conveyor TBC44 to conveyor TBC 45	30	3.6	3.6	1.8	1.8
Conveyor TBC 45 to conveyors CUBC2	30	3.6	3.6	1.8	1.8
Crusher TCR1	30	15.0	0.15	1.5	0.015

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		<i>ton/hr</i>	<i>PM</i>	<i>PM10</i>	
Conveyor CUBC1 to shaker screen CUVC1	30	3.6	0.036	1.8	0.018
Shakerr Screen CUVC1	30	3.6	0.036	1.8	0.018
Total		33.0	11.02	10.5	5.45

From the above table,

R1 (PM10) = 10.5 lb/day
= 10.5 lb/hr @ 1 hr/day

R2 (PM10) = 5.45 lb/day
= 5.45 lb/hr @ 1 hr/day

AEIS & NSR Emission Data

R1 (PM10) = 10.5 lb/hr

R2 (PM10) = 5.45 lb/hr

30-day average R2 (PM10) = (5.45/day x 13 days /month) / 30
= 2.36 lb/day

Maximum annual R2 (PM10) = 5.45 lb/day x 3 days / wk x 52 wks / yr
= 850 lbs/yr

A/N 556712 (Dust Collector)

This dust collector is currently operating under PO # G16988 (A/N 524497) venting the copper recovery line in the Material Recovery Plant (MRP) operating under PO # G16984 (A/N 514286). The dust collector will be modified to vent the iron ore crushing research operation in addition to venting the copper recovery line. The dust collector is sized to handle 32,000 CFM. Currently, it is only using 16,000 CFM for the copper recovery line. Thus, the dust collector has adequate capacity to handle the additional flow (approximately 4,000 CFM) from the iron ore crushing & screening research operation.

As indicated above, only the crusher, conveyor CUBC1 and shaker screen CUVC1 of the iron ore crushing system will be vented to this dust collector in addition to the copper recovery line. From the above table,

R2 (PM) from the crushing operation = (0.15 + 0.036 + 0.036) lb/hr
= 0.22 lb/hr

R2 (PM) from the copper recovery line = 0.44 lb/hr (from the evaluation of the MRP, A/N 514286. It is conservatively assumed that all PM emissions from the MRP are controlled by this dust collector)

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Total R2 (PM) = (0.22 + 0.44) lb/hr
= 0.66 lb/hr

Rule 404 Compliance:

PM concentration = (R2 lb/hr x 7000 gr/lb) / (60 min/hr x cfm)
= (0.66 lb/hr x 7000 gr/lb) / (60 min/hr x 16,000 cfm)
= 0.0048 gr/scf – this is less than the allowable concentration of 0.066 gr/scf per Rule 404,
Table 404 (a)

Air to Cloth Ratio:

Filter Area = 14464 sq ft
Blower capacity = 32,000 scfm
Air-to-Cloth Ratio = Blower CFM / Filter Area
= 32,000 scfm / 14464 sq. ft.
= 2.2:1 – ok (within ARB guidelines)

Rule 405 Compliance:

Per Table 405 (a) of Rule 405, for 30 ton/hr process weight, the maximum allowed PM discharge rate from all points of the process is 15.2 lb/h. The calculated PM discharge rate for the iron ore crushing system is 11.02 lb/hr and for the iron extraction system is 0.9 lb/hr. Thus, both systems are in compliance with Rule 405.

A/N 555462 (Title V Permit Revision)

This application was submitted for the Title V permit revision. This is considered a de minimis significant permit revision (type 56). Per Rule 3004 (h) (3), Rule 441 Research Operations shall not be listed on a Title V Permit. Modification of the dust collector (A/N 556712), which is not part of the research operation, must be listed on the Title V permit. The permit revision is being sent to EPA for 45-day review.

Toxic Emissions:

The attached laboratory report from Enviro-Chem, dated Nov. 9, 2012, indicates that iron ore tailings contain some of the toxic substances listed in Rule 1401. Their emissions are calculated below using the sample results in ppm from the attached report:

Total PM10 emissions from both processes as calculated above = 5.45 lb/hr + 0.36 lb/hr
= 5.81 lb/hr

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Toxic Substance	Concentration	Emission (lb/hr)
Arsenic (As)	1.35 ppm	$5.81 \text{ lb/hr} \times 1.36 \times 10^{-6} = 7.9 \times 10^{-6} \text{ lb/hr}$
Copper (Cu)	148 ppm	$5.81 \text{ lb/hr} \times 148 \times 10^{-6} = 8.6 \times 10^{-4} \text{ lb/hr}$
Lead (Pb)	16.7 ppm	$5.81 \text{ lb/hr} \times 16.7 \times 10^{-6} = 9.7 \times 10^{-5} \text{ lb/hr}$
Nickel (Ni)	13.1 ppm	$5.81 \text{ lb/hr} \times 13.1 \times 10^{-6} = 7.6 \times 10^{-5} \text{ lb/hr}$
Vanadium (V)	7.4 ppm	$5.81 \text{ lb/hr} \times 7.4 \times 10^{-6} = 4.3 \times 10^{-5} \text{ lb/hr}$

A health risk analysis has been performed using the above emissions. The analysis shows that the MICR is less than one in a million and HIA and HIC are less than one.

RULES:

- RULE 212 The facility is not located within 1000 feet of a school. Rule 1401 risk will not be greater than one in a million. The increase in emissions as a result of installation of this equipment and will not exceed the limits in section (g) of this rule. Therefore, a public notice is not required.
- RULE 401 Visible emissions are not expected with proper maintenance and operation of this equipment. Compliance is expected.
- RULE 402 Operation of this equipment is not expected to create a nuisance. Compliance is expected.
- RULE 404 As shown in the above calculations, the calculated PM concentration is in compliance with this rule.
- RULE 405 As shown in the above calculations, the calculated PM emission is in compliance with this rule.
- RULE 441 These applications are for a research operation under this rule. The permits are granted for duration of 6 months. Compliance is expected.
- RULE 1155 This is a Tier 3 baghouse (> 7500 sq ft filter area). The baghouse is equipped with BLDS and meets the emission limit of 0.01 gr/dscf. This is a Title V facility; an initial source test was performed on 4/24/13 and found acceptable by the source test engineering staff (see attached memo). Thus, all items specified in Table 1 of this rule (attached) are satisfied. A permit condition is also included requiring compliance with all applicable requirements of this rule.

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REG. XIII New Source Review:

Subparagraph 1303(a) – BACT:

For the iron ore crushing system, PM10 emissions are controlled by a dust collector. For the iron extraction system, the iron ore tailings processed are in slurry form. No additional control is required for this system.

Subparagraph 1303(b) – Modeling

For the iron extraction system, A/N 553962, the estimated PM10 emissions are 0.36 lb/hr. The allowed PM10 emissions for non-combustion sources are 0.41 lb/hr. Therefore, modeling is not required.

For the iron ore crushing & screening system, A/N 553969, the estimated PM10 emissions are 5.46 lb/hr. According to Table A-1 of this rule, modeling is not required if the PM10 emissions are less than 0.41 lb/hr for non-combustion sources. This limit is based on 24 hour averaging time. In the above calculation, the PM10 emission is 5.46 lb/hr for 1 hr/day. On 24 hrs/day basis, the emission will be $(5.46 \times 1) / 24 = 0.23$ lb/hr, which is less than 0.41 lb/hr. Therefore, modeling is not required.

Subparagraph 1303(b)(2) – Emission Offsets

The NSR account for this facility indicates that the current PTE for PM10 for this facility is 12 lb/day. As calculated above, total PM10 emission from equipment in both systems is $(5.46 + 0.36) = 5.81$ lb/day. Thus, the total PTE for PM10 will be $(12.0 + 5.81) = 17.81$ lb/day, which is less than 22 lbs/day or 4 tons/yr. Therefore, no offsets are required.

RULE 1401 Review of Toxic Air Contaminants

The attached laboratory report indicates that iron ore tailings contain some of the toxic substances listed in Rule 1401. A health risk analysis has been performed using the results of laboratory analysis. The health risk analysis shows that the MICR is less than one in a million and HIA and HIC are less than one. Compliance is expected.

RULE 3004 Permit Types and Content

The iron ore crushing and extraction systems (A/Ns 553962 & 553969) are Rule 441 Research Operations. In accordance with paragraph (h)(3) of this Rule, these two systems are not listed on the Title V permit. The dust collector is not a part of the research operation; therefore, it is listed on the Title V permit.

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CONCLUSIONS/RECOMMENDATIONS:

The equipment is expected to comply with all applicable AQMD rules and regulations. Issue PC/PO subject to permit conditions listed below:

Conditions:

Applications 553962

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.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS PERMIT IS VALID FOR SIX MONTHS FROM THE DATE OF ISSUANCE UNLESS AN EXTENSION OF TIME IS GRANTED IN WRITING BY THE EXECUTIVE OFFICER.
4. THE TOTAL QUANTITY OF MATERIAL PROCESSED BY THIS EQUIPMENT SHALL NOT EXCEED 390 TONS IN ANY ONE CALENDAR MONTH.
5. MATERIAL CHARGED AND MATERIAL IN PROCESS SHALL BE KEPT SUFFICIENTLY WET TO PREVENT EXCESSIVE DUST EMISSIONS.
6. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION 3 ABOVE. THE RECORDS SHALL BE KEPT FOR THE DURATION OF THIS PROJECT AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

Applications 553969

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.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS PERMIT IS VALID FOR SIX MONTHS FROM THE DATE OF ISSUANCE UNLESS AN EXTENSION OF TIME IS GRANTED IN WRITING BY THE EXECUTIVE OFFICER.
4. THE TOTAL QUANTITY OF MATERIAL PROCESSED BY THIS EQUIPMENT SHALL NOT EXCEED 390 TONS IN ANY ONE CALENDAR MONTH.

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5. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE CRUSHER AND THE SHAKER SCREEN ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.
6. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION 3 ABOVE. THE RECORDS SHALL BE KEPT FOR THE DURATION OF THIS PROJECT AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

Application No. 556712 (DUST COLLECTOR)

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. A MECHANICAL GAUGE SHALL BE INSTALLED AND MAINTAINED AT THE DUST COLLECTOR TO INDICATE, IN INCHES OF WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE BAGS. THE TOTAL STATIC PRESSURE DIFFERENTIAL ACROSS THE DUST COLLECTOR SHALL REMAIN BETWEEN 2.5 AND 7.5 INCHES OF WATER COLUMN DURING NORMAL OPERATION.
[RULE 404]
4. DUST COLLECTED IN THE DUST COLLECTOR SHALL BE DISCHARGED ONLY INTO ENCLOSED CONTAINERS OR RETURNED TO THE PROCESS AND SHALL NOT BE HANDLED IN A MANNER THAT MAY RESULT IN THE RE-RELEASE OF COLLECTED MATERIAL TO THE ATMOSPHERE.
[RULE 404]
5. THIS EQUIPMENT SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF AQMD RULE 1155. [RULE 1155]
6. RECORDS SHALL BE MAINTAINED TO SHOW COMPLIANCE WITH RULE 1155 REQUIREMENT OF EMISSIONS MONITORING AND RECORD KEEPING. RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS, AND MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 3004 (a) (4)]

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Periodic and Compliance Assurance Monitoring:

7. THE OPERATOR SHALL PERFORM AN 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):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [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.
RULE 405, SEE APPENDIX B FOR EMISSION LIMITS.