Bay Area Air Quality Management District

939 Ellis Street
San Francisco, CA 94109
(415) 771-6000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:
USS-POSCO Industries
Facility #A2371

Facility Address:
900 Loveridge Road
Pittsburg, CA 94565

Mailing Address:
PO Box 471
Pittsburg, CA 94565

Responsible Official	**Facility Contact**
Sal S. Sbranti, Vice-President Operations Environmental & Technology	David Allen, Regulations Manager
925-439-6513	925-439-6290

Type of Facility:	Production of Rolled Steel Product	BAAQMD Contact:
Primary SIC:	3312	Doug W. Hall
Product:	Steel coils finished by pickling, cold-rolling, tempering, annealing, tin-plating, and/or galvanizing	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jeff McKay for Jack P. Broadbent — December 21, 2012

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer — Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/4/11);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 3/4/098/1/01);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/15/05);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on12/21/04);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 01/06/10); and
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03); and
SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 6/23/95)

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on December 21, 2012 and expires on December 20, 2017. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than June 20, 2017 and no earlier than December 20, 2016. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after December 20, 2017.** If the permit renewal has not been issued by December 20, 2017, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit that the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment that is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be December 1, 2003, to May 31, 2004. The report shall be submitted by June 30, 2004. Subsequent reports shall be for the following periods: June 1st through November 30th and December 1st through May 31st, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

(Regulation 2-6-502, MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be December 1st through November 30th. The certification shall be submitted by December 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement

Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

K. Accidental Release

This facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit holder submitted a risk management plan (RMP) by the date specified in §68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6)

II. EQUIPMENT

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
43	#1 Continuous Annealing Line - Annealing Furnace, Natural gas only	Surface Combustion	Custom	53 MMbtu/hr
65	#1 Continuous Galvanizing Line - Zinc Coating Pot	Wean Engineering Co.	Custom	30 tph
70	#2 Continuous Galvanizing Line - Annealing Furnace, Natural gas only	Surface Combustion	Unknown	39.9 MMbtu/hr
72	#2 Continuous Galvanizing Line - Zinc Coating Pot	Blaw-Knox, Reliance Electric	Custom	90 tph
80	#1 Electro-Tinning Line – Pickling Section	Blaw-Knox Equipment Inc.	Custom	50 tph
82	#1 Electro-Tinning Line - Chemical Treatment Section	Blaw-Knox Equipment Inc.	Custom	5k amp-hours/hr, 50 tph
91	#3 Electro-Tinning Line – Pickling Section	Wean Engineering Co.	Custom	50 tph
93	#3 Electro-Tinning Line - Chemical Treatment Section	Wean Engineering Co.	Custom	4k amp-hours/hr, 50 tph
97	Tin Finishing - Tin Anode Casting Pot	Wean Engineering Co.	Unknown	
130	Oil Separation Unit	EIMCO Corp.	Custom	1000 gpm
133	Terminal Water Treatment Plant	U.S. Steel Corp;	Custom	30,000,000 gpd
134	Terminal Water Treatment Plant - Lime Handling	U.S. Steel Corp.	Custom	1 tph
149	Paint Shop Spray Booth (With Filters)	Binks And Dispo Spray Booth, 12000 cfm	Q-114-7M-125	
155	No. 1 Electro-tinning (tin free steel cell)	Aetna Standard; hi-density plating cell		34k amp-hours/hr

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
158	Gasoline Dispensing Island (Service Station G6331)	Custom	Emco/ Wheaton Nozzle, Model A3003 /A3005	1 gasoline nozzle, 10,000 gallon underground storage tank
166	Pickling Line Coil Processor	MDS – 1800 fpm		535 tph
167	Pickling Line Butt Welder	Miebach – Flash Butt		535 tph
168	Pickling Line Stretch Leveler	MDS, 820 fpm	Custom	535 tph
169	Acid Pickling Line	MDS, 820 fpm	Custom	535 tph
171	Tandem Cold Mill	Hitachi - 7000 fpm		535 tph
173	HCD Alkaline Cleaner	Mitsubishi - USX Design - 2300 fpm		175 tph
174	KM Continuous Annealing Furnace, Natural gas	Kawasaki Multipurpose;	Custom	95.7 MMbtu/hr
176	Roll Etch Machine	Jet Wheelblast	RE12	18 tph
177	Iron Oxide Production Roaster - Natural gas,	ARUS	Spray Roaster	40 gpm, feed 27.6 MMbtu/hr
178	Iron Oxide Silo #1 – 100 tons	ARUS	Custom	2 tph
179	Iron Oxide Bagging Station	ARUS - Expanding Ring Fill Spout		12 tph
180	Acid Gas Absorber #1	ARUS, - 18% HCl	Custom	2.5 tph
181	Acid Gas Absorber #2	ARUS, 18% HCl	Custom	0.3 tph
182	Iron Oxide Silo #2 – 100 tons	Arus	Custom	2 tph
190	Cold Cleaner	Inland Technology	IT-32, S/N 19933144	32 gallons
195	Cold Cleaner	Inland Technology	IT-32, S/N 39829721	32 gallons
202	Cold Cleaner	Inland Technology	IT-32	32 gallons
206	Cold Cleaner	System One	500, S/N 5006196	35 gallons
210	Cold Cleaner	Inland Technology	IT-32, S/N 39829722	32 gallons
215	Cold Cleaner	Inland Technology	IT-32, S/N 39829726	32 gallons

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
286	#1 CRU Evaporator - TFS Operation	Eco-Tec, H2O Evaporator	E-75	75 gph
287	#2CRU Evaporator - ETL Lines	Eco-Tec, H2O Evaporator	E-75	75 gph
290	#2 Continuous Galvanize Line-Strip Stenciller	Matthews Jet-A-Mark	Model 1104	
292	KMCAL Horizontal Electrostatic Oiler	Trion	Horizontal EFD	68" Width
293	Emergency Standby Generator-TWTP, diesel fueled	Cummins r	KTA19-GS2	600 bhp, 400 kW, 3.9e6 btu/hr
294	Emergency Standby Generator-KMCAL, diesel fueled	Cummins	6CT-8.3	207 bhp, 125 kW, 1.4e6 btu/hr
295	Emergency Generator-Filter Plant, diesel fueled	Detroit Diesel		300 bhp, 220 kW, 2.1e6 btu/hr
296	Standby Generator - #2 CC Line, diesel fueled	Cummins	NTTA-855-GS2	535 bhp, 350 kW, 3.5e6 btu/hr
297	Emergency Standby Generator-Computer Bldg, diesel fueled	Cummins	HT85562	355 bhp, 150 kW, 2.5e6 btu/hr
299	Diesel Fire Pump Packaged System, diesel fueled	John Deere	6068	240 bhp, 1.5e6 btu/hr, 2500 gpm H2O
305	Cold Cleaner	System One	570	35 gallons
308	Cold Cleaner	System One	570	35 gallons
311	Cold Cleaner	System One	570	35 gallons
317	Cold Cleaner	Inland Technology	IT48WC	42 gallons
400	S400 Contaminated Soils (SWMUs) – "S-Out"	Contaminated soil in Custom Solid Waste Management Units (landfills)	Not applicable	400 tons/hr
402	Horizontal Electrostatic Coil Oiler	Peabody	HO LBO 609	36,500 gallons of Steel Shield 6299 coating oil

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
21	TWTP-Lime Handling-Dust Collector	S134	BAAQMD Regulation 6-1-301	Pressure Drop 0.5 to 7.0 inches water	Ringelmann 1 for < 3 minutes/hr
			BAAQMD Regulation 6-1-310	Pressure Drop 0.5 to 7.0 inches water	0.15 gr/dscf
			BAAQMD Regulation 6-1-311	Pressure Drop 0.5 to 7.0 inches water	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
24	Tin Free Steel Cell-Fume Scrubber	S-155	BAAQMD Regulation 6-1-301	Pressure Drop 0.1 to 4.2 inches water	Ringelmann 1 for < 3 minutes/hr
26	Pickling Line Baghouse	S166, S167, S168	BAAQMD Regulation 6-1-301	Pressure Drop 1.0 to 10.0 inches water	Ringelmann 1 for < 3 minutes/hr
			BAAQMD Regulation 6-1-310	Pressure Drop 1.0 to 10.0 inches water	0.15 gr/dscf
			BAAQMD Regulation 6-1-311	Pressure Drop 1.0 to 10.0 inches water	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
			BAAQMD Condition #7216, part B. 1	Pressure Drop 1.0 to 10.0 inches water	0.670 lb PM10/hr
27	Pickling Line Scrubber	S169 and exempt sources	None	Pressure Drop 0.1 to 2.5 inches water; Liquid Flow Rate 300 to 450 gallons/min	None
28	Pickling Line Mist Eliminator	S169 and exempt sources via A27	BAAQMD Regulation 6-1-301	Pressure Drop 0.1 to 2.5 inches water	Ringelmann 1 for < 3 minutes/hr
			BAAQMD Regulation 6-1-310	Pressure Drop 0.1 to 2.5 inches water	0.15 gr/dscf

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD Regulation 6-1-311	Pressure Drop 0.1 to 2.5 inches water	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
28	Pickling Line Mist Eliminator		BAAQMD Condition #7216, part C. 3	Pressure Drop 0.1 to 2.5 inches water	0.506 lb PM10/hr and 30 ppmv HCl
			BAAQMD Condition #7216, part J. 1	Pressure Drop 0.1 to 2.5 inches water	Not to exceed 9 tpy HCl facility-wide
29	Tandem Cold Mill Mist Eliminator	S171	BAAQMD Regulation 6-1-301	Pressure Drop 1.0 to 10.0 inches water	Ringelmann 1 for < 3 minutes/hr
			BAAQMD Regulation 6-1-310	Pressure Drop 1.0 to 10.0 inches water	0.15 gr/dscf
			BAAQMD Regulation 6-1-311	Pressure Drop 1.0 to 10.0 inches water	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
			BAAQMD Condition #7216, part D. 4	Pressure Drop 1.0 to 10.0 inches water	1.642 lb PM10/hr and 2.42 lb POC/hr
30	HCD Scrubber	S173	BAAQMD Regulation 6-1-301	Pressure Drop 0.1 to 7 inches water; Liquid Flow Rate 10 to 50 gallons per minute	Ringelmann 1 for < 3 minutes/hr
			BAAQMD Regulation 6-1-310	Pressure Drop 0.1 to 7 inches water; Liquid Flow Rate 10 to 50 gallons per minute	0.15 gr/dscf
			BAAQMD Regulation 6-1-311	Pressure Drop 0.1 to 7 inches water; Liquid Flow Rate 10 to 50 gallons per minute	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD Condition #7216, part E. 1	Pressure Drop 0.1 to 7 inches water; Liquid Flow Rate 10 to 50 gallons per minute	0.035 lb PM10/hr
32	NOx Catalytic Reduction Unit	S174	BAAQMD Condition #7216, part F. 1	None	100 lb/day NOx from S174 plus S177
			BAAQMD Condition #7216, part F. 4	None	≤ 10 ppmv NOx @ 3% O2 or ≥ 90 % NOx reduction by wt or ≥ 82 % NOx reduction by wt @ heat input level ≤ 50 kscf/hr or < 18 ppmv NOx @ 3% O2 @ heat input level ≤ 50 kscf/hr
33	Roll Etch Dust Collector	S176	BAAQMD Regulation 6-1-301	Pressure Drop 0.5 to 2 inches water	Ringelmann 1 for < 3 minutes/hr
			BAAQMD Regulation 6-1-310	Pressure Drop 0.5 to 2 inches water	0.15 gr/dscf
			BAAQMD Regulation 6-1-311	Pressure Drop 0.5 to 2 inches water	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
			BAAQMD Condition #7216, part H. 2	Pressure Drop 0.5 to 2 inches water	0.01 gr PM10/dscf

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
34	Venturi Scrubber	S177, S178, S179, S180, S181, and S182	None	Pressure Drop 6.0 to 25.0 inches water; Liquid Flow Rate 500 to 1000 gallons per minute	None
35	Silo #2 Baghouse	S179, S182	None	Pressure Drop 1.0 to 4.0 inches water	None
36	Hot Gas Cyclone #1	S177	None	None	None
37	Hot Gas Cyclone #2	S177	None	None	None
38	Silo #1 Baghouse	S178, S179	None	Pressure Drop 1.0 to 4.0 inches water	None
39	Venturi Recuperator	S177 via A36, A37	None	None	None
40	Iron Oxide/HCI Plant Demister	S177, S178, S179, S180, S181, and S182	BAAQMD Regulation 6-1-301	Pressure Drop 0.0 to 2.0 inches water	Ringelmann 1 for < 3 minutes/hr
			BAAQMD Regulation 6-1-310	Pressure Drop 0.0 to 2.0 inches water	0.15 gr/dscf
			BAAQMD Regulation 6-1-311	Pressure Drop 0.0 to 2.0 inches water	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
			BAAQMD Condition #7216, part G. 5	Pressure Drop 0.0 to 2.0 inches water	2 ppmv HCl
			BAAQMD Condition #7216, part G. 10	Pressure Drop 0.0 to 2.0 inches water	0.46 lb PM10/hr
40	Iron Oxide/HCI Plant Demister		BAAQMD Condition #7216, part J. 1	Pressure Drop 0.0 to 2.0 inches water	Not to exceed 9 tpy HCl facility-wide

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
41	ETL Enforcer III Scrubber #1	S82, S155	BAAQMD Regulation 6-1-301	Pressure Drop 0.1 to 4.2 inches water	Ringelmann 1 for < 3 minutes/hr
			BAAQMD Regulation 6-1-310	Pressure Drop 0.1 to 4.2 inches water	0.15 gr/dscf
			BAAQMD Regulation 6-1-311	Pressure Drop 0.1 to 4.2 inches water	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
			Regulation 11, Rule 8, Section 93102.4, part (a)(1)(C) (2)	Pressure Drop 0.1 to 4.2 inches water	$\leq$ 0.01 mg of hexavalent chromium per dscm (4.4e-6 gr/dscf)
			BAAQMD Condition #7579, part -1b	Pressure Drop 0.1 to 4.2 inches water	$\leq$ 0.0015 mg of hexavalent chromium per amp-hr
42	ETL Enforcer III Scrubber #2	S93	BAAQMD Regulation 6-1-301	Pressure Drop 1.75 to 5.75 inches water	Ringelmann 1 for < 3 minutes/hr
			BAAQMD Regulation 6-1-310	Pressure Drop 1.75 to 5.75 inches water	0.15 gr/dscf
			BAAQMD Regulation 6-1-311	Pressure Drop 1.75 to 5.75 inches water	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
			Regulation 11, Rule 8, Section 93102.4, part (a)(1)(C) (2)	Pressure Drop 1.75 to 5.75 inches water	$\leq$ 0.01 mg of hexavalent chromium per dscm (4.4e-6 gr/dscf)
			BAAQMD Condition #7579, part 1b	Pressure Drop 1.75 to 5.75 inches water	$\leq$ 0.0015 mg of hexavalent chromium per amp-hr

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
43	#1 CRU Evaporator Mist Eliminator	S286	BAAQMD Regulation 6-1-301	Allowable pressure drop range to be determined	Ringelmann 1 for < 3 minutes/hr
			BAAQMD Regulation 6-1-310	Allowable pressure drop range to be determined	0.15 gr/dscf
			BAAQMD Regulation 6-1-311	Allowable pressure drop range to be determined	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
			BAAQMD Condition #12194, part 1	Allowable pressure drop range to be determined	$\leq$ 0.87 lb of hexavalent chromium per year from this source and S287
44	#2 CRU Evaporator mist Eliminator	S287	BAAQMD Regulation 6-1-301	Allowable pressure drop range to be determined	Ringelmann 1 for < 3 minutes/hr
			BAAQMD Regulation 6-1-310	Allowable pressure drop range to be determined	0.15 gr/dscf
			BAAQMD Regulation 6-1-311	Allowable pressure drop range to be determined	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
			BAAQMD Condition #12194, part 1	Allowable pressure drop range to be determined	$\leq$ 0.87 lb of hexavalent chromium per year from this source and S286
45	Dust Collector	S96, S97	BAAQMD Regulation 6-1-301	Pressure Drop 0.5 to 2.5 inches water	Ringelmann 1 for < 3 minutes/hr
			BAAQMD Regulation 6-1-310	Pressure Drop 0.5 to 2.5 inches water	0.15 gr/dscf

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD Regulation 6-1-311	Pressure Drop 0.5 to 2.5 inches water	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
46	Oil Mist Precipitator	S292	BAAQMD 8-11-304	Current between 0.4 to 2.0 mA; Voltage 5.0 to 13.0 kV	Abatement to no more than 1.0 lb VOC/gal and abatement device efficiency of at least 90% if VOC of coating > 1.7 lb/gal
			BAAQMD Condition #16682, part 3	Current between 0.4 to 2.0 mA; Voltage 5.0 to 13.0 kV	$\leq$ 0.05 lb VOC/gal of coating applied

Table II C – Exempt Equipment

Each of the following devices is exempt from major facility review permitting pursuant to the requirements of BAAQMD Regulation 2, Rule 6: Permits, Major Facility Review. The applicable exemption for each device is identified in the table below.

S-#	Description	Make or Type	Model	Capacity
40	Continuous Annealing Line – Cleaning Section			50 tph
62	Sheet Finishing – HCL Storage Tank			0.1 tph
63	#1 continuous Galvanizing Line – Cleaning Section			18 tph
66	#1 Continuous Galvanizing Line – Chemical Treatment Section			18 tph
68	#2 Continuous Galvanizing Line – Cleaning Section			53 tph
69	#2 Continuous Galvanizing Line – No.1 Strip Dryer			3.5 MM BTU/hr
71	#2 Continuous Galvanizing Line – Roll Pre-heating Pot			2 tph
74	#1 Continuous Galvanizing Line – Chemical Treatment Section			30 tph
75	#2 Continuous Galvanizing Line – No.2 Strip Dryer			3.5 MM BTU/hr
79	#1 Electro-tinning Line – Cleaning Section			35 tph
81	#1 Electro-tinning Line –Plating Section			28 tph
83	#1 Electro-tinning Line –No.1 Strip Dryer			1 MM BTU/hr
84	#1 Electro-tinning Line –No.2 Strip Dryer			1 MM BTU/hr
90	#3 Electro-tinning Line – Cleaning Section			40 tph
92	#3 Electro-tinning Line – Plating Section			29 tph
94	#3 Electro-tinning Line –No.1 Strip Dryer			1 MM BTU/hr
95	#3 Electro-tinning Line –No.2 Strip Dryer			1 MM BTU/hr
96	Tin Finishing – Tin Anode Casting Furnace			0.21 MM BTU/hr
98	Tin Mill Roll Grinding Rubber Handling System			

Table II C – Exempt Equipment

Each of the following devices is exempt from major facility review permitting pursuant to the requirements of BAAQMD Regulation 2, Rule 6: Permits, Major Facility Review. The applicable exemption for each device is identified in the table below.

S-#	Description	Make or Type	Model	Capacity
131	Oil Separation Unit – Reclaimed Oil Tank			50,000 gal
132	Oil Separation Unit – Sludge Tank			75,000 gal
135	Treatment Water Treatment Plant – HCL Storage Tank			
136	Carpenter Shop Sawdust Collection System			0.01 tph
143	Diesel Oil Dispensing Station – Main Plant			
144	Diesel Oil Storage Tank- Main Plant			10,000 gal
153	Main Admin. Bldg. – Hot Water Boiler			1.5 MM BTU/hr
156	Methane Gas Storage			
159	Fresh HCl TankTF-1			
160	Fresh HCl TankTF-2			
161	18% HCl Mixed Acid TankTF-3			
162	18% HCl Mixed Acid TankTF-4			
163	Acidic Wastewater Tank #1			
164	Acidic Wastewater Tank #2			
165	Acidic Wastewater Tank #3			
170	Pickling Line Rinse Tank			535 tph
172	Annealing Line Lap Welder			175 tph
175	KM-CAL Temper Mill			175 tph
250	CRU Rinse Collection Tank (T-1)			1,200 gal/hr
251	CRU Treatment Tank (T-2)			1,200 gal/hr
252	CRU Concentrate Tank (T-3)			1,200 gal/hr
253	CRU Dilute Tank (T-4)			1,200 gal/hr
254	CRU Rinse Collection Tank (T-5)			1,200 gal/hr
255	CRU Treatment Transfer Tank (T-6)			1,200 gal/hr
256	CRU Concentrate Tank (T-7)			1,200 gal/hr
257	CRU Dilute Tank (T-8)			1,200 gal/hr
258	CRU Treatment Tank (T-9)			1,200 gal/hr
259	CRU TFS Feed Tank (T-10)			1,200 gal/hr
260	CRU TFS Secondary Feed Tank (T-11)			4,500 gal/hr
261	CRU Transfer Tank (T-12)			

Table II C – Exempt Equipment

Each of the following devices is exempt from major facility review permitting pursuant to the requirements of BAAQMD Regulation 2, Rule 6: Permits, Major Facility Review. The applicable exemption for each device is identified in the table below.

S-#	Description	Make or Type	Model	Capacity
262	CRU NaOH Tank (T-13)			710 gal/hr
263	CRU Acid Tank (T-14)			0.05 tph
264	CRU SAS Holding Tank (T-15)			2,400 gal/hr
265	CRU SAS Treatment Tank (T-16)			2,400 gal/hr
266	CRU Evap Feeding Tank (T-17)			2,400 gal/hr
267	CRU Evap Feeding Tank (T-18)			2,400 gal/hr
268	CRU SAS Holding Tank (T-19)			2,400 gal/hr
269	CRU SAS Holding Tank (T-20)			2,400 gal/hr
270	CRU Bichromate Holding Tank (T-21)			150 gal/hr
271	CRU Bichromate Holding Tank (T-22)			1,500 gal/hr
272	CRU Evap Feeding Tank (T-23)			1,500 gal/hr
273	CRU Evap Product Tank (T-24)			1,200 gal/hr
274	CRU D.I. Feed Tank (T-25)			4,500 gal/hr
275	CRU D.I. Product Tank (T-26)			4,500 gal/hr
276	CRU Equalizing Tank (T-27)			4,200 gal/hr
277	CRU pH Adjustment Tank (T-28)			4,200 gal/hr
278	CRU Chrome Destruct Tank (T-29)			4,200 gal/hr
279	CRU pH Adjustment Tank (T-30)			4,200 gal/hr
280	CRU pH Adjustment Tank (T-31)			4,200 gal/hr
281	CRU Flocculator Tank (T-32)			4,200 gal/hr
282	CRU Clarifier Tank (T-33)			4,200 gal/hr
283	CRU Sludge Thickening Tank (T-34)			1,200 gal/hr
284	CRU Transfer Tank (T-35)			2,000 gal/hr
298	Emergency Standby Generator-Tunnel	Detroit Diesel		35 hp
313	VMS Recycling Unit			
32000	Minor Sources – Combined Minor Combustion Sources			113 MM BTU/hr
32100	Fugitive Emissions			

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP rules and regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements will not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit.

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is on EPA Region 9's website. The address is http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions..

NOTE:

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. All sources must comply with both versions of a rule until US EPA has reviewed and approved the District's revision of the regulation.

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (03/04/09)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04)	Y
SIP Regulation 2-1-429	Federal Emissions Statement (4/3/95)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (01/06/10)	N
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning7/09/08)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (07/01/09)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (1/2/04)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (12/05/07)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
California Health and Safety Code Title 17, Subchapter 10, Article 2, Sections 95100 through 95109	Mandatory Greenhouse Gas Emissions Reporting	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (4/13/05)	Y
Subpart F, 40 CFR 82.156	Recycling and Emissions Reductions – Required Practices	Y
Subpart F, 40 CFR 82.161	Recycling and Emissions Reductions – Technician Certification	Y
Subpart F, 40 CFR 82.166	Recycling and Emissions Reductions – Reporting and Recordkeeping Requirements	Y
EPA Regulation 40 CFR Part 98	Mandatory Greenhouse Gas Reporting (3/16/10)	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP rules and regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is: http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions. All other text may be found in the regulations themselves.

Table IV - A
Source-specific Applicable Requirements
S43 - #1 CONTINUOUS ANNEALING LINE - ANNEALING FURNACE
S70 - ANNEALING FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Particulate Weight Limitation, Heat Transfer Operation	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	General Operations	Y	

IV. Source Specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S43 - #1 CONTINUOUS ANNEALING LINE - ANNEALING FURNACE
S70 - ANNEALING FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	
BAAQMD Regulation 9, Rule 1	**Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	

Table IV - B
Source-specific Applicable Requirements
S65 - #1 CONTINUOUS GALVANIZING LINE - ZINC COATING POT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 11, Rule 15	**Hazardous Pollutants – Airborne Toxic Control Measure for Emissions of Toxic Metals From Non-Ferrous Metal Melting (4/6/94)** – Adoption of Section 93107, Subchapter 7.5, Chapter 1, Division 3, Title 17 of the California Code of Regulations		

IV. Source Specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S65 - #1 CONTINUOUS GALVANIZING LINE - ZINC COATING POT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93107(c)(2)	Metal or Alloy Purity Exemption	N	
93107(d)(1)	Application for Exemption from Control Requirements	N	
93107(e)(2)	Recordkeeping for Facilities Seeking Exemption from Control Requirements	N	
BAAQMD Condition #7216			
part I. 1	Throughput limitation (Basis: Cumulative increase)	Y	
part I. 2	Recordkeeping requirement (Basis: Cumulative increase, BAAQMD Regulation 2-6-501)	Y	

Table IV - C
Source-specific Applicable Requirements
S72 - #2 CONTINUOUS GALVANIZING LINE – ZINC COATING POT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S72 - #2 CONTINUOUS GALVANIZING LINE – ZINC COATING POT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 11, Rule 15	**Hazardous Pollutants – Airborne Toxic Control Measure for Emissions of Toxic Metals From Non-Ferrous Metal Melting (4/6/94)** – Adoption of Section 93107, Subchapter 7.5, Chapter 1, Division 3, Title 17 of the California Code of Regulations		
93107(c)(2)	Metal or Alloy Purity Exemption	N	
93107(d)(1)	Application for Exemption from Control Requirements	N	
93107(e)(2)	Recordkeeping for Facilities Seeking Exemption from Control Requirements	N	

Table IV - D
Source-specific Applicable Requirements
S80 - #1 ELECTRO-TINNING LINE – PICKLING SECTION
S91 - #3 ELECTRO-TINNING LINE – PICKLING SECTION

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S82 - #1 ELECTRO-TINNING LINE – CHEMICAL TREATMENT SECTION
S93 - #3 ELECTRO-TINNING LINE – CHEMICAL TREATMENT SECTION
S155 - NO. 1 ELECTRO-TINNING (TIN FREE STEEL CELL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 11, Rule 8	**Hazardous Pollutants – Hexavalent Chromium Airborne Toxic Control Measure for Chrome Plating and Chromic Acid Anodizing Operations (11/4/98)** – Adoption of Section 93102, Subchapter 7.5, Chapter 1, Division 3, Title 17 of the California Code of Regulations		
93102(a)	Applicability		
93102(a)(1)	Regulation applies to decorative chromium electroplating	Y	
93102(a)(4)	Breakdown relief possible	Y	
93102(c)	Standards		
93102(c)(2)	Decorative Chrome Electroplating and Chromic Acid Anodizing Facilities, Emission Limits or Use of fume suppressant with wetting agent	Y	
93102(e)	Parameter Monitoring		
93102(e)(1)	Ampere-hour Meters	Y	
93102(e)(2)	Pressure Drop Monitoring for Add-on Control Device	Y	
93102(f)	Inspection and Maintenance Requirements		

IV. Source Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S82 - #1 ELECTRO-TINNING LINE – CHEMICAL TREATMENT SECTION
S93 - #3 ELECTRO-TINNING LINE – CHEMICAL TREATMENT SECTION
S155 - NO. 1 ELECTRO-TINNING (TIN FREE STEEL CELL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93102(f)(1)	Table (f)(1) Summary of Inspection and Maintenance Requirements for Sources Using Add-on Air Pollution Control Devices	Y	
93102(g)	Operation and Maintenance Plan Requirements		
93102(g)(1)	Prepare O&M Plan	Y	
93102(g)(1)(A)	Standardized Checklist	Y	
93102(g)(1)(B)	Maintenance Procedures	Y	
93102(g)(2)	Retain O&M Plan On Site	Y	
93102(g)(3)	Changes to the O&M Plan	Y	
93102(g)(4)	Revisions to Address Breakdowns	Y	
93102(h)	Recordkeeping		
93102(h)(1)	Air Pollution Control Device Inspection Records	Y	
93102(h)(3)	Performance Test Records	Y	
93102(h)(4)	Monitoring Data Records	Y	
93102(h)(5)	Breakdown Records	Y	
93102(h)(6)	Records of Excesses	Y	
93102(h)(11)	Records Retention	Y	
93102(i)	Reporting		
93102(i)(1)	Performance Test Documentation	Y	
93102(i)(3)	Ongoing Compliance Status Reports	Y	
93102(i)(4)	Reports of Breakdowns	Y	
BAAQMD Condition #7579			
part 1	Performance Standards (Basis: ATCM 93102.2 (b)	Y	
part 2	Abatement Requirement (Basis: Regulation 11-8-93102(c)(2))	Y	
part 3	Source Test (Basis: 93102.7)	Y	
part 4	Training (Basis: 93102.5(b))	Y	
part 5	Housekeeping (Basis: 93102.5(c))	Y	
part 6	Monitoring (Basis: 93102.9, 93102.10, 93102.12)	Y	

IV. Source Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S82 - #1 ELECTRO-TINNING LINE – CHEMICAL TREATMENT SECTION
S93 - #3 ELECTRO-TINNING LINE – CHEMICAL TREATMENT SECTION
S155 - NO. 1 ELECTRO-TINNING (TIN FREE STEEL CELL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part 7	Operation and Maintenance Plan (Basis: 93012.11)	Y	
part 8	Inspection & Maintenance Frequency (Basis: 93102.10(a) and Reg 2-5)	Y	
part 9	Recordkeeping (Basis: 93102.12)	Y	
part 10	Reporting requirements (Basis: 93102.13)	Y	

Table IV - F
Source-specific Applicable Requirements
S97 – TIN FINISHING – TIN ANODE CASTING POT
S134 - TERMINAL TREATMENT PLANT – LIME HANDLING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source Specific Applicable Requirements

Table IV - F
Source-specific Applicable Requirements
S97 – TIN FINISHING – TIN ANODE CASTING POT
S134 - TERMINAL TREATMENT PLANT – LIME HANDLING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #20780	**Inspection and Maintenance Requirements for Baghouses**		
part 1	Proper Baghouse Maintenance/Operation (Basis: Regulation 2-1-403)	Y	
part 2	Pressure Drop Monitor (Basis: Regulation 2-1-403)	Y	
part 3	Monthly Inspection Items (Basis: Regulation 2-1-403)	Y	
part 4	Visual Baghouse Inspection (Basis: Regulation 2-1-403)	Y	
part 5	Recordkeeping (Basis: Regulation 2-6-501)	Y	

Table IV - G
Source-specific Applicable Requirements
S130 - OIL SEPARATION UNIT AND
S133 - TERMINAL WATER TREATMENT PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Organic Compounds – Wastewater (Oil-Water) Separators (9/15/04)**		
8-8-112	Exemption, Wastewater Critical OC Concentration and/or Temperature	N	
8-8-502	Wastewater sample and test requirements	N	
SIP Regulation 8, Rule 8	**Organic Compounds – Wastewater (Oil-Water) Separators (8/29/94)**		
8-8-112	Exemption, Wastewater Critical OC Concentration and/or Temperature	Y	
8-8-502	Wastewater sample and test requirements	Y	

IV. Source Specific Applicable Requirements

Table IV - H
Source-specific Applicable Requirements
S149 - PAINT SHOP SPRAY BOOTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 19	**Surface Coating of Miscellaneous Metal Parts and Products (10/16/02)**		
8-19-302	Limits		
8-19-302.2	Air-Dried Coatings	Y	
8-19-307	Prohibition of Specification	Y	
8-19-312	Specialty Coating Limitations		
8-19-312.2	High Gloss	Y	
8-19-312.3	Heat Resistant	Y	
8-19-312.4	High Performance Architectural	Y	
8-19-312.5	Metallic Topcoat	Y	
8-19-312.7	Pretreatment Wash Primer	Y	
8-19-312.8	Silicone Release	Y	
8-19-312.9	Solar Absorbant	Y	
8-19-312.12	Extreme Performance	Y	
8-19-312.13	High Temperature	Y	
8-19-313	Spray Applications Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-321	Surface Preparation Standards	Y	
8-19-501	Records	Y	
BAAQMD Regulation 8, Rule 32	**Wood Products Coating (8/5/09)**		
8-32-301	Spray Application Equipment Limitations	N	
8-32-302	General Wood Product Limits	N	
8-32-303	Furniture, Custom Cabinetry and Custom Architectural Millwork Limits	N	
8-32-304	Custom and Contract Furniture Limits	N	
8-32-320	Solvent Evaporative Loss Minimization	N	
8-32-501	Recordkeeping Requirements	N	
SIP BAAQMD Regulation 8, Rule 32	**Wood Products Coating (12/31/97)**		

IV. Source Specific Applicable Requirements

Table IV - H
Source-specific Applicable Requirements
S149 - PAINT SHOP SPRAY BOOTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-32-301	Spray Application Equipment Limitations	Y	
8-32-303	General Wood Product Limits	Y	
8-32-304	Furniture and Custom Architectural Millwork Limits	Y	
8-32-320	Solvent Evaporative Loss Minimization	Y	
8-32-501	Recordkeeping Requirements	Y	
BAAQMD Regulation 8, Rule 45	**Motor Vehicle and Mobile Equipment Coating Operations (12/3/08)**		
8-45-301	Limits	N	
8-45-303	Transfer Efficiency	N	
8-45-308	Surface Preparation and Solvent Loss Minimization	N	
8-45-501	Coating Records	N	
SIP BAAQMD Regulation 8, Rule 45	**Motor Vehicle and Mobile Equipment Coating Operations (5/26/00)**		
8-45-301	Limits	Y	
8-45-303	Transfer Efficiency	Y	
8-45-308	Surface Preparation and Solvent Loss Minimization	Y	
8-45-501	Coating Records	Y	

Table IV - I
Source-specific Applicable Requirements
S158 - GASOLINE DISPENSING ISLAND

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP BAAQMD Regulation 8, Rule 7	**Organic Compounds, Gasoline Dispensing Facilities (11/6/02)**		

IV. Source Specific Applicable Requirements

Table IV - I
Source-specific Applicable Requirements
S158 - GASOLINE DISPENSING ISLAND

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-301	Phase I Requirements		
8-7-301.1	Requirements for Transfers into Stationary Tanks, Cargo Tanks, and Mobile Refuelers	Y	
8-7-301.2	CARB Certification Requirements	Y	
8-7-301.3	Submerged Fill Pipe Requirement	Y	
8-7-301.5	Maintenance and Operating Requirement	Y	
8-7-301.6	Leak-Free and Vapor Tight Requirement for Components	Y	
8-7-301.7	Fitting Requirements for Vapor Return Line	Y	
8-7-301.8	Coaxial Phase I Systems Certified by CARB prior to January 1, 1994 may not be installed on New or Modified Systems	Y	
8-7-301.9	Anti-rotational Coupler or Swivel Adapter Required	Y	
8-7-301.10	Vapor Recovery Efficiency Requirements for New and Modified Systems	Y	
8-7-301.11	CARB-certified Spill Box Required	Y	
8-7-301.12	Spill Box Drain Valve Limitation	Y	
8-7-301.13	Annual Vapor Tightness Test Requirement	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-315	Pressure Vacuum Valve Requirements, Underground Storage Tanks	Y	
8-7-401	Equipment Installation and Modification	Y	
8-7-407	Periodic Testing Requirements	Y	
8-7-408	Periodic Testing Notification and Submission Requirements	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
8-7-503.1	Gasoline Throughput Records	Y	
8-7-503.2	Maintenance Records	Y	
8-7-503.3	Records Retention Time	Y	

IV. Source Specific Applicable Requirements

Table IV - I
Source-specific Applicable Requirements
S158 - GASOLINE DISPENSING ISLAND

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #20666			
Part 1	Phase I equipment installed and maintained per CARB Executive Order (Basis: Regulation 8-7-301.2)	Y	
Part 2	Triennial drop tube/drain valve and static adaptor torque test requirements (Basis: Regulation 8-7-301.2)	Y	
BAAQMD Condition #24278	Gasoline Throughput Limit (Basis: Toxic Risk Management Policy)	N	

Table IV - J
Source-specific Applicable Requirements
S166 - PICKLING LINE COIL PROCESSOR
S167 - PICKLING LINE BUTT WELDER
S168 - PICKLING LINE STRETCH LEVELER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	

IV. Source Specific Applicable Requirements

Table IV - J
Source-specific Applicable Requirements
S166 - PICKLING LINE COIL PROCESSOR
S167 - PICKLING LINE BUTT WELDER
S168 - PICKLING LINE STRETCH LEVELER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #7216			
part B. 1	Emission limitations (Basis: Cumulative increase, BACT)	Y	
part B. 2	Proper baghouse maintenance (Basis: RACT)	Y	
part B. 3	Proper particulate capture (Basis: RACT)	Y	
part B. 4	Annual operation limitation (Basis: Cumulative increase)	Y	
part K. 1	PM10 source test options (Basis: Regulation 2-1-403)	Y	
part K. 2	Source test methods (Basis: Regulation 2-1-403)	Y	
part K. 3	Periodic Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part K. 4	Record keeping (Basis: Regulation 2-6-501)	Y	
part N.	Hours of operation recordkeeping (Basis: Regulation 2-6-501)	Y	
BAAQMD Condition #20780	**Inspection and Maintenance Requirements for Baghouses**		
part 1	Proper Baghouse Maintenance/Operation (Basis: Regulation 2-1-403)	Y	
part 2	Pressure Drop Monitor (Basis: Regulation 2-1-403)	Y	
part 3	Monthly Inspection Items (Basis: Regulation 2-1-403)	Y	
part 4	Visual Baghouse Inspection (Basis: Regulation 2-1-403)	Y	
part 5	Recordkeeping (Basis: Regulation 2-6-501)	Y	

Table IV - K
Source-specific Applicable Requirements
S169 - ACID PICKLING LINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date

IV. Source Specific Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S169 - ACID PICKLING LINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #7216			
part C. 1	Tank cover requirement (Regulation 2-1-403)	Y	
part C. 2	Proper capture (Regulation 2-1-403)	Y	
part C. 3	HCl and PM10 Emission limitations (Basis: Cumulative increase, BACT)	Y	
part C. 4	Annual operation limitation (Basis: Cumulative increase)	Y	
part J. 1	Facility-wide HCl Emission Limitations (Basis: Regulation 2-6-423.2)	Y	
part J. 2	Facility-wide HCl Emission Calculations (Basis: Regulation 2-6-423.2)	Y	
part J. 3	Record keeping (Basis: Regulation 2-6-423.2)	Y	
part K. 1	PM10 source test options (Basis: Regulation 2-1-403)	Y	
part K. 2	Source test methods (Basis: Regulation 2-1-403)	Y	
part K. 3	Periodic Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part K. 4	Record keeping (Basis: Regulation 2-6-501)	Y	
part L. 1	Periodic Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part L. 2	Record keeping (Basis: Regulation 2-6-501)	Y	
part N	Hours of operation recordkeeping (Basis: Regulation 2-6-501)	Y	

IV. Source Specific Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S169 - ACID PICKLING LINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #20781	**Inspection and Maintenance Requirements for Wet Scrubbers**		
part 1	Proper Scrubber Maintenance/Operation (Basis: Regulation 2-1-403)	Y	
part 2	Operating Parameters (Basis: Regulation 2-1-403)	Y	
part 3	Monthly Inspection Items (Basis: Regulation 2-1-403)	Y	
part 4	Recordkeeping (Basis: Regulation 2-6-501)	Y	

Table IV - L
Source-specific Applicable Requirements
S171 - TANDEM COLD MILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Miscellaneous Operations (7/20/05)**		

IV. Source Specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S171 - TANDEM COLD MILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition #7216			
part D. 1	Rolling oil VOC content limit (Basis: Cumulative increase)	Y	
part D. 2	Rolling oil usage record keeping (Basis: Regulation 2-1-403)	Y	
part D. 3	Annual operation limitation (Basis: Cumulative increase)	Y	
part D. 4	Abatement requirement and POC and PM10 emission limits (Basis: Cumulative increase)	Y	
part K. 1	PM10 source test options (Basis: Regulation 2-1-403)	Y	
part K. 2	Source test methods (Basis: Regulation 2-1-403)	Y	
part K. 3	Periodic Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part K. 4	Record keeping (Basis: Regulation 2-6-501)	Y	
part M. 1	Periodic POC Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part M. 2	Record keeping (Basis: Regulation 2-6-501)	Y	
part N	Hours of operation recordkeeping (Basis: Regulation 2-6-501)	Y	
BAAQMD Condition #21254	**Inspection and Maintenance Requirements for Mist Eliminator**		
part 1	Proper Mist Eliminator Maintenance/Operation (Basis: Regulation 2-1-403)	Y	
part 2	Operating Parameters (Basis: Regulation 2-1-403)	Y	
part 3	Monthly Inspection Items (Basis: Regulation 2-1-403)	Y	
part 4	Recordkeeping (Basis: Regulation 2-6-501)	Y	

IV. Source Specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S173 - HCD ALKALINE CLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #7216			
part E. 1	PM10 Emission limitations (Basis: Cumulative increase, BACT)	Y	
part K. 1	PM10 source test options (Basis: Regulation 2-1-403)	Y	
part K. 2	Source test methods (Basis: Regulation 2-1-403)	Y	
part K. 3	Periodic Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part K. 4	Record keeping (Basis: Regulation 2-6-501)	Y	
BAAQMD Condition #20781	**Inspection and Maintenance Requirements for Wet Scrubbers**		
part 1	Proper Scrubber Maintenance/Operation (Basis: Regulation 2-1-403)	Y	
part 2	Operating Parameters (Basis: Regulation 2-1-403)	Y	
part 3	Monthly Inspection Items (Basis: Regulation 2-1-403)	Y	
part 4	Recordkeeping (Basis: Regulation 2-6-501)	Y	

IV. Source Specific Applicable Requirements

Table IV - N
Source-specific Applicable Requirements
S174 - KM CONTINUOUS ANNEALING FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Particulate Weight Limitation, Heat Transfer Operation	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	
BAAQMD Regulation 9, Rule 1	**Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Condition #7216			
part F. 1	NOx Emission limitations (Basis: BACT, Cumulative increase)	Y	
part F. 2	CEM requirement (Basis: Regulation 1-521)	Y	
part F. 3	Required use of selective catalytic reduction unit (Basis: BACT, Cumulative increase)	Y	
part F. 4	NOx emission concentration or reduction requirements (Basis: BACT, Cumulative increase)	Y	
Part F.5	Reporting requirement	Y	

IV. Source Specific Applicable Requirements

Table IV - O
Source-specific Applicable Requirements
S176 - ROLL ETCH MACHINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (12/05/07)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #7216			
part H. 1	Abatement required (Basis: BACT, Cumulative increase)	Y	
part H. 2	PM10 emission limitation (Basis: BACT, Cumulative increase)	Y	
part H. 3	Annual operation limitation (Basis: Cumulative increase)	Y	
part K. 1	PM10 source test options (Basis: Regulation 2-1-403)	Y	
part K. 2	Source test methods (Basis: Regulation 2-1-403)	Y	
part K. 3	Periodic Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part K. 4	Record keeping (Basis: Regulation 2-6-501)	Y	
part N	Hours of operation recordkeeping (Basis: Regulation 2-6-501)	Y	
BAAQMD Condition #20780	**Inspection and Maintenance Requirements for Baghouses**		
part 1	Proper Baghouse Maintenance/Operation (Basis: Regulation 2-1-403)	Y	
part 2	Pressure Drop Monitor (Basis: Regulation 2-1-403)	Y	
part 3	Monthly Inspection Items (Basis: Regulation 2-1-403)	Y	
part 4	Visual Baghouse Inspection (Basis: Regulation 2-1-403)	Y	

IV. Source Specific Applicable Requirements

Table IV - O
Source-specific Applicable Requirements
S176 - ROLL ETCH MACHINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part 5	Recordkeeping (Basis: Regulation 2-6-501)	Y	

Table IV - P
Source-specific Applicable Requirements
S177 - IRON OXIDE PRODUCTION ROASTER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Condition #7216			

IV. Source Specific Applicable Requirements

Table IV - P
Source-specific Applicable Requirements
S177 - IRON OXIDE PRODUCTION ROASTER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part G. 1	NOx emission limitation (Basis: BACT, Cumulative increase)	Y	
part G. 2	CEM requirement Basis: (Regulation 1-521)	Y	
part G. 3	Ammonium chloride injection requirement Basis: (BACT, Cumulative increase)	Y	
part G. 4	Fuel limited to natural gas (Basis: BACT, Cumulative increase)	Y	
part G. 5	HCl emission concentration limitation (Basis: BACT, Cumulative increase)	Y	
part G. 9	Annual operation limitation (Basis: Cumulative increase)	Y	
part G. 10	PM10 emission limitation (Basis: Cumulative increase)	Y	
part J. 1	Facility-wide HCl Emission Limitations (Basis: Regulation 2-6-423.2)	Y	
part J. 2	Facility-wide HCl Emission Calculations (Basis: Regulation 2-6-423.2)	Y	
part J. 3	Record keeping (Basis: Regulation 2-6-423.2)	Y	
part K. 1	PM10 source test options (Basis: Regulation 2-1-403)	Y	
part K. 2	Source test methods (Basis: Regulation 2-1-403)	Y	
part K. 3	Periodic Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part K. 4	Record keeping (Basis: Regulation 2-6-501)	Y	
part L. 1	Periodic Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part L. 2	Record keeping (Basis: Regulation 2-6-501)	Y	
part N	Hours of operation recordkeeping (Basis: Regulation 2-6-501)	Y	
BAAQMD Condition #20781	**Inspection and Maintenance Requirements for Wet Scrubbers**		
part 1	Proper Scrubber Maintenance/Operation (Basis: Regulation 2-1-403)	Y	
part 2	Operating Parameters (Basis: Regulation 2-1-403)	Y	
part 3	Monthly Inspection Items (Basis: Regulation 2-1-403)	Y	
part 4	Recordkeeping (Basis: Regulation 2-6-501)	Y	

IV. Source Specific Applicable Requirements

Table IV - Q
Source-specific Applicable Requirements
S178 - IRON OXIDE SILO #1
S179 - IRON OXIDE BAGGING STATION
S182 - IRON OXIDE SILO #2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #7216			
part G. 5	HCl emission concentration limitation (Basis: BACT, Cumulative increase)	Y	
part G. 6	Abatement requirement (Basis: BACT, Cumulative increase)	Y	
part G. 7	Material handling requirement (Basis: RACT, Cumulative increase)	Y	
part G. 8	No visible emission requirement (Basis: Regulation 6-1-301)	Y	
part G. 9	Annual operation limitation (Basis: Cumulative increase)	Y	
part G. 10	PM10 emission limitation (Basis: Cumulative increase)	Y	
part G. 11	Annual Visible Emission Check (Basis: Regulation 2-6-503)	Y	
part G. 12	Record keeping requirements (Basis: Regulation 2-6-503)	Y	
part J. 1	Facility-wide HCl Emission Limitations (Basis: Regulation 2-6-423.2)	Y	
part J. 2	Facility-wide HCl Emission Calculations (Basis: Regulation 2-6-423.2)	Y	
part J. 3	Record keeping (Basis: Regulation 2-6-423.2)	Y	
part K. 1	PM10 source test options (Basis: Regulation 2-1-403)	Y	

IV. Source Specific Applicable Requirements

Table IV - Q
Source-specific Applicable Requirements
S178 - IRON OXIDE SILO #1
S179 - IRON OXIDE BAGGING STATION
S182 - IRON OXIDE SILO #2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part K. 2	Source test methods (Basis: Regulation 2-1-403)	Y	
part K. 3	Periodic Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part K. 4	Record keeping (Basis: Regulation 2-6-501)	Y	
part L. 1	Periodic Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part L. 2	Record keeping (Basis: Regulation 2-6-501)	Y	
part N	Hours of operation recordkeeping (Basis: Regulation 2-6-501)	Y	
BAAQMD Condition #25311	**CAM Requirements**		
part 1	Appraisal of visible emissions (Regulation 6-1-601)	Y	
part 2	Exceedance and Excursion (40 CFR Part 64.6(c)(2)	Y	
part 3	Pressure monometer and liquid flow rate meter requirements (40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))	Y	
part 4	Pressure Drop / Liquid Flow Rate Operation Ranges (40 CFR Part 64.4(a))	Y	
part 5	Pressure Drop / Liquid Flow Rate Readings (40 CFR Part 64.3(b)(4)(iii)	Y	
part 6	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)	Y	
part 7	Gauge/Meter Calibration (40 CFR Part 64.3(b)(3)	Y	
part 8	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Y	
part 9	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii)	Y	
part 10	Recordkeeping (Regulation -26-501)	Y	

IV. Source Specific Applicable Requirements

Table IV - R
Source-specific Applicable Requirements
S180 - ACID GAS ADSORBER #1
S181 - ACID GAS ADSORBER #2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particulates	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #7216			
part G. 5	HCl emission concentration limitation (Basis: BACT, Cumulative increase)	Y	
part G. 9	Annual operation limitation (Basis: Cumulative increase)	Y	
part G. 10	PM10 emission limitation (Basis: Cumulative increase)	Y	
part J. 1	Facility-wide HCl Emission Limitations (Basis: Regulation 2-6-423.2)	Y	
part J. 2	Facility-wide HCl Emission Calculations (Basis: Regulation 2-6-423.2)	Y	
part J. 3	Record keeping (Basis: Regulation 2-6-423.2)	Y	
part K. 1	PM10 source test options (Basis: Regulation 2-1-403)	Y	
part K. 2	Source test methods (Basis: Regulation 2-1-403)	Y	
part K. 3	Periodic Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part K. 4	Record keeping (Basis: Regulation 2-6-501)	Y	
part L. 1	Periodic Source Test Requirement (Basis: Regulation 2-1-403)	Y	
part L. 2	Record keeping (Basis: Regulation 2-6-501)	Y	

IV. Source Specific Applicable Requirements

Table IV - R
Source-specific Applicable Requirements
S180 - ACID GAS ADSORBER #1
S181 - ACID GAS ADSORBER #2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part N	Hours of operation recordkeeping (Basis: Regulation 2-6-501)	Y	
BAAQMD Condition #20781	**Inspection and Maintenance Requirements for Wet Scrubbers**		
part 1	Proper Scrubber Maintenance/Operation (Basis: Regulation 2-1-403)	Y	
part 2	Operating Parameters (Basis: Regulation 2-1-403)	Y	
part 3	Monthly Inspection Items (Basis: Regulation 2-1-403)	Y	
part 4	Recordkeeping (Basis: Regulation 2-6-501)	Y	

Table IV - S
Source-specific Applicable Requirements
S190, S195,, S202, S206, S210, S215, S305, S308, S311, AND S317 - COLD CLEANERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 16	**Organic Compounds – Solvent Cleaning Operations (10/16/02)**		
8-16-118	Limited Exemption, Compounds of Low Volatility	Y	
8-16-303	Cold Cleaner Requirements		
8-16-303.1	General Operating Requirements	Y	
8-16-303.1.1	Operate and Maintain in Proper Working Order	Y	
8-16-303.1.2	Leak Repair Requirement	Y	
8-16-303.1.3	Solvent Storage or Disposal – Evaporation Prevention	Y	
8-16-303.1.4	Waste Solvent Disposal	Y	
8-16-303.1.4(a)	Covered Containers for Waste Solvent Awaiting Pick-up	Y	
8-16-303.1.4(b)	On-site Waste Treatment	Y	

IV. Source Specific Applicable Requirements

Table IV - S
Source-specific Applicable Requirements
S190, S195,, S202, S206, S210, S215, S305, S308, S311, AND S317 - COLD CLEANERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be Removed	Y	
8-16-303.1.6	Solvent Spray Requirements	Y	
8-16-303.2	Cold Cleaner Operating Requirements		
8-16-303.2.1	Solvent shall be Drained from Cleaned Parts	Y	
8-16-303.2.2	No Solvent Agitation by Air	Y	
8-16-303.2.3	Solvent Cleaning of Porous or Absorbent Materials is Prohibited	Y	
8-16-303.3	Cold Cleaner General Equipment Requirements		
8-16-303.3.1	Container	Y	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	Y	
8-16-303.3.3	Used Solvent Returned to Container	Y	
8-16-303.3.4	Label Stating Operating Requirements	Y	
8-16-303.5	Repair and Maintenance Cleaner Requirements		
8-16-303.5.1	VOC Content Limitation	N	
8-16-303.5.2	VMS solvent allowance	N	
8-16-303.5.3	VOC Content Limitation plus VMS solvent allowance	N	
8-16-501	Solvent Records		
8-16-501.2	Facility-wide, monthly records	N	
8-16-501.5	Twenty-four month record retention	Y	
8-16-502	Burden of Proof (to Demonstrate exemption per Regulation 8-16-118)	N	
BAAQMD Condition #20866			
part 1	Solvent usage allowance (Basis: Cumulative increase)	Y	
part 2	Optional solvent emission allowance (Basis: Cumulative increase and Toxic Risk Screen)	Y	
part 3	Recordkeeping (Basis: Cumulative increase and Toxic Risk Screen)	Y	

IV. Source Specific Applicable Requirements

Table IV - T
Source-specific Applicable Requirements
S286 - #1 CRU Evaporator - TFS Operation
S287 - #2 CRU Evaporator - ETL Lines

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particulates	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #12194			
part 1	Hexavalent chromium emission limitation (Basis: Toxic Risk Screen)	Y	
part 2	Source test requirement every two years (Basis: Regulation 2-1-304)	Y	
part 3	Ongoing Compliance Monitoring (Basis: Toxic Risk Screen)	Y	
part 4	Non-resettable clock requirement (Basis: Toxic Risk Screen)	Y	
part 5	Recordkeeping (Basis: Toxic Risk Screen)	Y	

IV. Source Specific Applicable Requirements

Table IV - U
Source-specific Applicable Requirements
S290 - #2 Continuous Galvanize Line-Strip Stenciller

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 4	**Organic Compounds – General Solvent and Surface Coating Operations (10/16/02)**		
8-4-302	Solvents and Surface Coating Requirements	Y	
8-4-302.1	VOC emissions not more than 5 tpy per source	Y	
8-4-501	Coating Records	Y	
BAAQMD Condition #13634			
part 1	Coating usage limitations (Basis: Cumulative increase)	Y	
part 2	Optional POC emission allowance (Basis: Cumulative increase, Risk Management Policy)	Y	
part 3	Recordkeeping (Basis: Cumulative increase, Risk Management Policy)	Y	
part 4	Cumulative increase refund option (Basis: Cumulative increase)	Y	

Table IV - V
Source-specific Applicable Requirements
S292 - KMCAL Horizontal Electrostatic Oiler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 11	**Organic Compounds – Metal Container, Closure and Coil Coating (11/19/97)**		
8-11-303	Coil Coating Limitation	Y	
8-11-304	Emission Control Device Limitation for Coil Coating	Y	
8-11-501	Coating Records	Y	
BAAQMD Condition #16682			
part 1	Coating usage limitations (Basis: Cumulative increase, toxic risk screen)	Y	

IV. Source Specific Applicable Requirements

Table IV - V
Source-specific Applicable Requirements
S292 - KMCAL Horizontal Electrostatic Oiler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part 2	Optional POC emission allowance (Basis: Cumulative increase, toxic risk screen)	Y	
part 3	Abatement required and allowed emission rate per gallon (Basis: Cumulative increase)	Y	
part 4	Recordkeeping (Basis: Cumulative increase, toxic risk screen)	Y	
part 5	Source test requirement every two years (Basis: Cumulative increase, toxic risk screen)	Y	
part 6	Proper Oil Mist Precipitator Maintenance/Operation (Basis: Regulation 2-1-403)	Y	
part 7	Normal Oil Mist Precipitator Voltage and Current to Be Determined	Y	
part 8	Monthly Inspection Items (Basis: Regulation 2-1-403)	Y	
part 9	Inspection Recordkeeping (Basis: Regulation 2-6-501)	Y	

Table IV - W
Source-specific Applicable Requirements
S293 - Emergency Standby Generator-TWTP, diesel fueled
S294 - Emergency Standby Generator-KMCAL, diesel fueled
S295 - Emergency Generator-Filter Plant, diesel fueled
S296 - Standby Generator - #2 CC Line, diesel fueled
S297 - Emergency Standby Generator-Computer Bldg, diesel fueled

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-303	Ringelmann No. 2 Limitation	N	
6-305	Visible Particulates	N	
6-310	Particulate Weight Limitation	N	
6-401	Appearance of Emissions	N	

IV. Source Specific Applicable Requirements

Table IV - W
Source-specific Applicable Requirements
S293 - Emergency Standby Generator-TWTP, diesel fueled
S294 - Emergency Standby Generator-KMCAL, diesel fueled
S295 - Emergency Generator-Filter Plant, diesel fueled
S296 - Standby Generator - #2 CC Line, diesel fueled
S297 - Emergency Standby Generator-Computer Bldg, diesel fueled

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann No. 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants (**7/25/07**)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
California Code of Regulations, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		
93115.6(b)(3)(A)1.a	Maximum Allowable Annual Hours of Operation for Maintenance and Testing $\leq$ 20 hrs/yr	N	
93115.10(d)(1)	Non-resettable totalizing meter	N	
93115.10(f)(1)	Recordkeeping.	N	
40 CFR 63	**National Emission Standards for Hazardous Air Pollutants for**		

IV. Source Specific Applicable Requirements

Table IV - W
Source-specific Applicable Requirements
S293 - Emergency Standby Generator-TWTP, diesel fueled
S294 - Emergency Standby Generator-KMCAL, diesel fueled
S295 - Emergency Generator-Filter Plant, diesel fueled
S296 - Standby Generator - #2 CC Line, diesel fueled
S297 - Emergency Standby Generator-Computer Bldg, diesel fueled

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Subpart ZZZZ	**Stationary Reciprocating Internal Combustion Engines**		
63.6585	Applicability	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area source of HAPs	Y	
63.6590	Subject to subpart ZZZZ	Y	
63.6590(a)(1)(iii)	Existing stationary RICE at an area source of HAPs	Y	
63.6595	Compliance Schedule to 40 CFR 63, Subpart ZZZZ	Y	
63.6595(a)(1)	Comply with the applicable emission limitation and operating limitations no later than May 3, 2013	Y	5/3/2013
63.6603	Emission Limitations and Operating Limitations for Existing Stationary RICE located at an area source of HAP emissions	Y	5/3/2013
63.6603(a), Table 2d.4	Change oil and filter every 500 hours of operation or annually, whichever comes first; Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	Y	5/3/2013
63.6605	General Requirements	Y	
63.6605(a)	Comply with the emission limitations and operating limitations at all times	Y	
63.6605(b)	Safety and good air pollution control practices for minimizing emissions	Y	
63.6625	Monitoring, Installation, Operation, and Maintenance Requirements	Y	
63.6625(e)(3)	Operate and maintain engine and after-treatment control device (if any) in a manner consistent with good air pollution control practice for minimizing emissions	Y	
63.6625(f)	Install a non-resettable hour meter if one is not already installed	Y	
63.6625(h)	Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes	Y	
63.6635	Monitor and Collect Data to Demonstrate Continuous Compliance	Y	

IV. Source Specific Applicable Requirements

Table IV - W
Source-specific Applicable Requirements
S293 - Emergency Standby Generator-TWTP, diesel fueled
S294 - Emergency Standby Generator-KMCAL, diesel fueled
S295 - Emergency Generator-Filter Plant, diesel fueled
S296 - Standby Generator - #2 CC Line, diesel fueled
S297 - Emergency Standby Generator-Computer Bldg, diesel fueled

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6640	Demonstrate Continuous Compliance with the Emission Limitations and Operating Limitations	Y	
63.6640(f)(1)	Requirements for an existing emergency stationary RICE located at an area source of HAP emissions.	Y	
63.6645	Notification, Reports, and Records	Y	
63.6645(a)(2)	Submit notification in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply	Y	
63.6655	Recordkeeping	Y	
63.6655(a)	Recordkeeping with the emission and operating limitations	Y	
63.6655(e)(2)	Keep records of the maintenance conducted on an existing emergency RICE	Y	
63.6660	Recordkeeping	Y	
BAAQMD Condition #18544			
Part 1	Allowable hours of operation (Basis: Regulation 9-8-330)	Y	
Part 2	Non-Resettable Counter Requirement (Regulation 9-8-530)	Y	
Part 3	Hours of Operation Recordkeeping Requirement (Regulations 9-8-530)	Y	

IV. Source Specific Applicable Requirements

Table IV – X
Source-specific Applicable Requirements
S299 - Diesel Fire Pump Packaged System, 2500 gpm, diesel fueled

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-303	Ringelmann No. 2 Limitation	N	
6-1-305	Visible Particulates	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann No. 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants (7/25/07)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
California Code of Regulations, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		
93115.6(b)(3)(A)1.b	Maximum Allowable Annual Hours of Operation for Maintenance and Testing $\leq$ 30 hrs/yr	N	
93115.10(d)(1)	Non-resettable totalizing meter	N	
93115.10(f)(1)	Recordkeeping.	N	

IV. Source Specific Applicable Requirements

Table IV – X
Source-specific Applicable Requirements
S299 - Diesel Fire Pump Packaged System, 2500 gpm, diesel fueled

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63 Subpart ZZZZ	**National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**		
63.6585	Applicability	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area source of HAPs	Y	
63.6590	Subject to subpart ZZZZ	Y	
63.6590(a)(1)(iii)	Existing stationary RICE at an area source of HAPs	Y	
63.6595	Compliance Schedule to 40 CFR 63, Subpart ZZZZ	Y	
63.6595(a)(1)	Comply with the applicable emission limitation and operating limitations no later than May 3, 2013	Y	5/3/2013
63.6603	Emission Limitations and Operating Limitations for Existing Stationary RICE located at an area source of HAP emissions	Y	5/3/2013
63.6603(a), Table 2d.4	Change oil and filter every 500 hours of operation or annually, whichever comes first; Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	Y	5/3/2013
63.6605	General Requirements	Y	
63.6605(a)	Comply with the emission limitations and operating limitations at all times	Y	
63.6605(b)	Safety and good air pollution control practices for minimizing emissions	Y	
63.6625	Monitoring, Installation, Operation, and Maintenance Requirements	Y	
63.6625(e)(3)	Operate and maintain engine and after-treatment control device (if any) in a manner consistent with good air pollution control practice for minimizing emissions	Y	
63.6625(f)	Install a non-resettable hour meter if one is not already installed	Y	
63.6625(h)	Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes	Y	
63.6635	Monitor and Collect Data to Demonstrate Continuous Compliance	Y	
63.6640	Demonstrate Continuous Compliance with the Emission Limitations and Operating Limitations	Y	
63.6640(f)(1)	Requirements for an existing emergency stationary RICE located at an	Y	

IV. Source Specific Applicable Requirements

Table IV – X
Source-specific Applicable Requirements
S299 - Diesel Fire Pump Packaged System, 2500 gpm, diesel fueled

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	area source of HAP emissions.		
63.6645	Notification, Reports, and Records	Y	
63.6645(a)(2)	Submit notification in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply	Y	
63.6655	Recordkeeping	Y	
63.6655(a)	Recordkeeping with the emission and operating limitations	Y	
63.6655(e)(2)	Keep records of the maintenance conducted on an existing emergency RICE	Y	
63.6660	Recordkeeping	Y	
BAAQMD Condition #19380			
Part 1	Fuel sulfur limit (Basis: BACT)	Y	
Part 2	Allowable hours of operation (Basis: Cumulative increase)	Y	
Part 3	Non-Resettable Counter Requirement (Regulation 9-8-530)	Y	
Part 4	Hours of Operation Recordkeeping Requirement (Regulations 9-8-530)	Y	

Table IV - Y
Source-specific Applicable Requirements
S400 - Contaminated Soils (SWMUs) – "Out"

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particulates	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter – General Requirements (0/4/98)**		

IV. Source Specific Applicable Requirements

Table IV - Y
Source-specific Applicable Requirements
S400 - Contaminated Soils (SWMUs) – "Out"

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #20038			
Part 1	Follow corrective action plan (Basis: CEQA)	Y	
Part 2	No visible emissions (Basis: BACT, Regulation 1-301)	Y	
Part 3	Cover trucks or maintain minimum freeboard and/or water top layer (Basis: BACT)	Y	
Part 4	Recordkeeping requirements (Basis: Cumulative increase)	Y	

Table IV - Z
Source-specific Applicable Requirements
S402 - Horizontal Electrostatic Oiler, Peabody HO LBO 609

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 11	**Organic Compounds – Metal Container, Closure and Coil Coating (11/19/97)**		
8-11-303	Coil Coating Limitation	Y	
8-11-304	Emission Control Device Limitation for Coil Coating	Y	
8-11-501	Coating Records	Y	
BAAQMD Condition #25272			
part 1	Coating usage limitations (Basis: Cumulative increase)	Y	
part 2	POC and NPOC emission limits (Basis: Cumulative increase, emission offsets, toxic risk screen)	Y	

IV. Source Specific Applicable Requirements

Table IV - Z
Source-specific Applicable Requirements
S402 - Horizontal Electrostatic Oiler, Peabody HO LBO 609

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part 3	Recordkeeping (Basis: Cumulative increase, emission offsets, toxic risk screening)	Y	

V. SCHEDULE OF COMPLIANCE

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

VI. Permit Conditions

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

Condition # 840

For Exempt S159 & S160 - FRESH HCL TANKS:

*1 This tank shall be vented to scrubber A27.
(basis: voluntary limit)

Condition # 7216
For S65 - ZINC COATING POT
S166 - PICKLING LINE COIL PROCESSOR
S167 - PICKLING LINE BUTT WELDER
S168 - PICKLING LINE STRETCH LEVELER
S169 - ACID PICKLING LINE
S171 - TANDEM COLD MILL
S173 - HCD ALKALINE CLEANER
S174 - KM CONTINUOUS ANNEALING FURNACE
S176 - ROLL ETCH MACHINE
S177 - IRON OXIDE PRODUCTION ROASTER
S178 - IRON OXIDE SILO #1
S179 - IRON OXIDE BAGGING STATION
S180 - ACID GAS ABSORBER #1
S181 - ACID GAS ABSORBER #2:
S182 - IRON OXIDE SILO #2:

(Amended 7/95, AN 14797; 11/96, AN 16832; 5/97, AN 16977; 2/99, AN 19031; 5/02, AN 32; 2/03, AN 6628)

Application 18406 (August 2008): Update line-haul rail emission factors, update rail fuel usage factors, and remove daily cargo carrier recordkeeping and emission calculation requirements. Application 18407 for S-174 (November 2008): Change NOx reduction requirement to 82% based on heat input of furnace (< 50 kscf/hr) instead of gauge of coil (< 0.0300 inches) in Part 4Fc. Add part 4d, NOx limit of 18 ppmvd at low heat input of furnace (<50 kscf/hr).

April 2010: Total PM is assumed to be equivalent to PM10 per results of the original source test "Report of Particulate Testing and Analysis for the USS-Posco Industries Modernization Project, Pittsburg, California". This applies to S-171/A-29, S-173/A-30, S-177/A-40, S-178/A-40, S-180/A-40.)

A. Conditions on the entire modernization project and ship and train activity are:

*1. The Owner/Operator shall ensure that the UPI's future cargo emissions do not exceed the maximum annual mass emissions baseline set forth below. As used herein, "cargo emissions" shall be the emissions resulting from: (1) truck, rail or ship deliveries of steel coil to the UPI

VI. Permit Conditions

facility, (2) truck, rail or ship shipments of finished steel product and scrap steel from the UPI facility, and (3) truck or rail movements of steel coil, finished products, or scrap steel within the UPI facility. "Cargo emissions" shall not include emissions resulting from the transportation of steel coil, finished products, or scrap material to, from or within existing public ports which are not contiguous to the UPI facility, including, but not limited to, the Port of Richmond or the Port of Oakland. (amended 5/97, AN 16977; 2/99, AN 19031; 5/02, AN 32)

	Annual Tons per year
Particulate Matter	3.427
NOx	100.334
SO2	8.433
Organic Compounds	6.069
CO	12.942

(Basis: Cumulative increase, CEQA)

*2. The Owner/Operator shall ensure that the determination of cargo emissions specified in part A. 1 above is based on monthly reports submitted by UPI to the District detailing cargo emissions and other information in the format attached as Appendix A, or in such other format as the District may require or approve. The Owner/Operator submit such reports to the Director of Compliance and Enforcement within 30 days after the end of the calendar month that the report relates. The Owner/Operator shall maintain the records used to prepare such monthly reports for a period of at least five consecutive calendar years following the calendar year that each such monthly report was prepared, and shall make the records available for inspection by the District upon request. (Appendix A revised 5/02, AN 32)
(Basis: Cumulative increase, CEQA)

*3. The Owner/Operator shall ensure that the monthly report includes a running total of the cargo emissions for the current calendar year. If, at the end of any calendar month, the total cargo emissions accumulated to date in that calendar year exceed the annual mass emissions baseline (set forth in part A. 1 above) prorated to the number of months elapsed to date for that year, The Owner/Operator shall inform the District in writing within 30 days of the end of that calendar month as to what steps or measures will be taken to ensure that the annual mass emissions baseline is not exceeded. (amended 5/97, AN 16977)
(Basis: Cumulative increase, CEQA)

*4a. The Owner/Operator shall ensure that the calculations of mass cargo emission are based on: (1) the emission factors set forth for ship, tugs and specific locomotive engine types in Appendix A; (2) District approved locomotive fuel usage factors; and (3) the truck emission factors in part A. 4c. In the event UPI wishes to use a locomotive engine type for deliveries to and shipments from the UPI facility for which no emission factors are listed on Appendix A, the Owner/Operator shall obtain prior District approval of the emissions factors to be used with respect to such locomotive engine type. In the event new emission factors are determined by the District, the CARB, or the EPA for locomotive engine types used for deliveries to and from the UPI facility, the Owner/Operator shall obtain prior District approval to use such new emission factors for purposes of calculating annual mass cargo emissions.

VI. Permit Conditions

Current District-approved line-haul locomotive fuel usage factors are listed below. These factors supersede the factors in Appendix A. Unless a specific factor is listed below, the Appendix A factors are still valid.

Union Pacific	1.02 gal/KGTM
BNSF	1.13 gal/KGTM

In lieu of using the calculation method in Appendix A for the Unit Train, the Owner/Operator may use the emissions factors in part A. 4b. (amended 5/97, AN 16977)
(Basis: Cumulative increase, CEQA)

*4b. The Owner/Operator shall ensure that the calculations of mass cargo emissions from the Unit Train are based on the emission factors listed below. These factors, in the units of pounds of emission/ton steel shipped, are based on the parameters listed below, and the line haul engine emission factors listed in Appendix A. If UPI uses these factors, then the Owner/Operator must keep monthly records of the tonnage of steel hauled by the Unit Train. The Owner/Operator shall ensure that these records are summarized in the monthly report, retained on site for five years from the date of entry, and made available to the District upon request.

If a change occurs to one or more of the parameters that were used to derive the emission factors (such as haul distance, railcar tare weight, etc.), and that change results in higher emission factors, the Owner/Operator shall notify the District in writing and shall use the higher emissions factors effective from the date the change occurred. If a change results in lower emission factors, the Owner/Operator may petition the District, in writing, for permission to use the lower factors. The Owner/Operator may not use any lower emission factor, unless authorized to do so by the District, in writing.
(added 5/97, AN 16977; amended 5/02, AN 32)

Unit Train Parameters:

1-way haul distance	39.7 miles
Empty railcar weight	34 tons
Loaded railcar weight	134 tons
Railcars per train	50
UP fuel usage factor	1.02 gal/KGTM

Unit Train Emission Factors
(lb emissions/ton of steel hauled):

NOx	0.0490
CO	0.0048
POC	0.0018
PM10	0.0012
SO2	0.0065

(Basis: Cumulative increase, CEQA)

*4c. The Owner/Operator shall ensure that the calculations of mass cargo emissions from hauling raw steel, product or scrap by truck are calculated by multiplying vehicle mileage and the "lb/mile" emission factors listed below. [The emission factors are the average ARB 2002 heavy-heavy duty truck (> 33,000 lb) emission factors for the San Francisco air basin.] The

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Owner/Operator shall summarize truck mileage and cargo carrier emissions in their monthly report.
(added 5/97, AN 16977; amended 5/02, AN 32)

Pollutant	(lb/mile)
NOx	0.0258
CO	0.0041
POC	0.0014
PM10	0.0009
SO2	0.0010

(Basis: Cumulative increase, CEQA)

5. The Owner/Operator shall ensure that UPI will not be exempt from the application of any future amendment to the District's Rules and Regulations.
(Basis: Regulation 1-103)

*6. The Owner/Operator shall ensure that only steel coil is delivered by 37,000 dead weight ton (DWT) or less ships and offloaded at the UPI dock.
(Basis: Cumulative increase, CEQA)

*7. The Owner/Operator shall ensure that the steel coil is only delivered by ocean going bulk cargo ships of 37,000 DWT or less.
(Basis: Cumulative increase, CEQA)

8a. The Owner/Operator shall ensure that the total number of SCR plus non-SCR-equipped ship deliveries to UPI does not exceed 50 in any consecutive 365 day period.

*8b. The Owner/Operator shall ensure that the total number of non-SCR-equipped ship deliveries does not exceed 25 in any consecutive 365-day period. (amended AN 32, 5/02)
(Basis: Cumulative increase, CEQA)

9. The Owner/Operator shall ensure that in no event do the limits set forth in part A. 8 result in a total combined annual throughput of unfinished steel coil in excess of 2,200,000 tons at UPI.
(amended AN 16832, 11/96; AN 32, 5/02)
(Basis: Cumulative increase, CEQA)

*10. While a SCR-equipped ship is transiting in District boundary waters, the Owner/Operator shall ensure the followings:

a. The main engine exhaust shall be abated by a selective catalytic reduction (SCR) system.
b. Only fuel oil with a sulfur content not to exceed 0.05% sulfur by weight shall be burned.
(amended AN 32, 5/02)

(Basis: Cumulative increase, CEQA)

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*11. For SCR-equipped ships, the Owner/Operator shall ensure that the main engine exhaust is equipped with a NOx continuous emission monitor (CEM) and recording device. The Owner/Operator shall ensure that the CEM system is used to determine and record the daily NOx emission from the ship main engine during a ship transit in District boundary water. (amended AN 32, 5/02)
(Basis: Cumulative increase, CEQA)

*12. For SCR-equipped ships, the Owner/Operator shall ensure that in no event do ammonia emissions to the atmosphere exceed 50 ppmv, averaged over a two hour period. (amended AN 32, 5/02)
(Basis: Cumulative increase)

*13. For SCR-equipped ships, the Owner/Operator shall ensure that each ship uses on-shore electrical power when hoteling at the UPI facility. The Owner/Operator shall ensure that the main propulsion engine, generators and boiler are shutdown during hoteling at the UPI facility. (amended AN 32, 5/02)
(Basis: Cumulative increase, CEQA)

14. The Owner/Operator shall maintain daily records, in a District approved log, for the following:

a. Date and time of a shipping docking at the UPI terminal.
*b. Fuel usage for each ship transit through District boundary water. Fuel usage shall be automatically recorded on a District approved continuous fuel recording system.
*c. Delivery receipts for the type of fuel burned.
*d. Hours of ship operation in District boundary water.
*e. Loading capacity of ship in DWT.
f. Tonnage of steel coil delivered to UPI by ship.
*g. Date and time of a ship departure from the UPI terminal.

(Basis: Cumulative increase, CEQA)

15. The Owner/Operator shall ensure that all records are retained on the ship until docking at UPI at which time they shall be retained at UPI for at least five years from date of recording. The Owner/Operator shall ensure that these records are kept on site at UPI and made available to District staff upon request.
(Basis: Cumulative increase, CEQA)

*16. The procedures and methodology to be used in calculating transportation emissions set forth in Appendix A that is attached hereto are incorporated as part of the Permit to Operate.
(Basis: Cumulative increase, CEQA)

B. Conditions for S166, S167 and S168

1. The Owner/Operator shall ensure that when in operation these sources are vented at all times to A26 Baghouse, and PM10 emissions from A26 do not exceed 0.670 lb/hr.
(amended AN 32, 5/02)
(Basis: Cumulative increase, BACT)

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2. The Owner/Operator shall ensure that the Baghouse, A26, is properly maintained and kept in good operating condition at all times, and a differential pressure indicator is installed at the baghouse to indicate the differential pressure across the baghouse.
(Basis: RACT)

3. The Owner/Operator shall ensure that the exhaust systems are maintained at sufficient negative pressure to capture the particulate emissions generated at this source.
(Basis: RACT)

4. The Owner/Operator shall ensure that the hours of operation of these sources do not exceed 8640 hours per calendar year. (amended 11/96, AN 16832)
(Basis: Cumulative increase)

C. Conditions for S169 and S170

1. The Owner/Operator shall ensure that in no event are the tanks uncovered when pickle liquor is present in the tanks, except when necessary for ordinary maintenance and product quality control.
(Basis: BACT, Cumulative increase)

2. The Owner/Operator shall ensure that the exhaust for this source area is maintained at sufficient negative pressure to capture all fugitive HCL fumes at all times.
(Basis: BACT, Cumulative increase)

3. The Owner/Operator shall ensure that when in operation this source is vented to A27 Pickling Line Packed Bed Scrubber utilizing caustic solution. The emissions of HCL emitted to the atmosphere from the scrubber shall not exceed 30 ppmv. PM10 emissions from A27 shall not exceed 0.506 lb/hr.
(amended AN 32, 5/02)
(Basis: BACT, Cumulative increase)

4. The Owner/Operator shall ensure that the hours of operation of these sources do not exceed 8640 hours per calendar year. (amended 11/96, AN 16832)
(Basis: Cumulative increase)

D. Conditions for S171

1. The Owner/Operator shall ensure that no rolling oil is used which contains more than 0.3% by weight of precursor organic compounds.
(Basis: Cumulative increase)

2. The Owner/Operator shall maintain records of the supplier, composition, and quantities of the rolling oil used at the tandem cold mill. These records shall be available for inspection by District personnel.
(Basis: Cumulative increase)

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3. The Owner/Operator shall ensure that the hours of operation of S171 do not exceed 8640 hours per calendar year. (amended 11/96, AN 16832)
(Basis: Cumulative increase)

4. The Owner/Operator shall ensure that when in operation, S171 is vented at all times to A29, Tandem Cold Mill Mist Eliminator. PM10 emissions from A29 shall not exceed 1.642 lb/hr. POC emissions from A29 shall not exceed 2.42 lb/hr, as measured by a District-approved source test.
(amended AN 32, 5/02)
(Basis: Cumulative increase)

E. Conditions for S173

1. The Owner/Operator shall ensure that at all times the exhaust from this source area is maintained at sufficient negative pressure for A30, HCD Scrubber, to capture the fumes and particulate emissions generated at this source. PM10 emissions from A30 shall not exceed 0.035 lb/hr. (amended AN 32, 5/02)
(Basis: BACT, Cumulative increase)

F. Conditions for S174

1. The Owner/Operator shall ensure that in no event do the combined daily emissions from S174 and S177 exceed 100 lbs/day of nitrogen oxides (measured as NO2).
(Basis: BACT, Cumulative increase)

2. For the purpose of demonstrating compliance with part F. 1 and 4 a, b, and c for S174, the Owner/Operator shall install, calibrate and operate District approved continuous in-stack emission monitors and recorders for oxides of nitrogen, and either oxygen or carbon dioxide. The Owner/Operator shall report daily emissions to the District on a monthly basis, the format of which shall be subject to approval by the APCO. In lieu of operating the CEMs during furnace idling, which is described in part F. 3 below, UPI may assume emissions of nitrogen oxides (measured as NO2) are 0.005 pounds per minute.
(Basis: Regulation 1-521)

3. The Owner/Operator shall ensure that the Selective Catalytic Reduction Unit (SCR) A32 is operated during all periods of the annealing furnace operation, with the exception of during a cold startup of the annealing furnace, which is not to exceed 3 hours, and during furnace idling. A cold startup includes periods when the SCR temperature is less than 392 F. Furnace idling includes periods when natural gas is being fired but at a rate of less than 17 scfm (approximately 1 thousand scfh).
(Basis: BACT, Cumulative increase)

4. The Owner/Operator shall ensure that, excluding periods of cold startup and furnace idling, NOx emissions in the exhaust from this source meet one of the following:

a. Not exceed 10 ppmv at 3% oxygen, averaged over 3 consecutive hours;

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b. Be reduced by at least a 90%, by weight, averaged over 3 consecutive hours, by the A32 Selective Catalytic Reduction (SCR) Unit; or
c. For a period when UPI is at a heat input level less than 50 kscf/hr, NOx shall be reduced by at least 82%, by weight, averaged over three consecutive hours, by the A32 Selective Catalytic Reduction (SCR) Unit. If the duration of the low heat input run is less than three hours, the averaging period shall be the entire run period.
d. For a period when UPI is running at a heat input level less than 50 kscf/hr, NOx shall not exceed 18 ppmv at 3% oxygen averaged over 3 consecutive hours. If the duration of the low heat input run is less than three hours, the averaging period shall be the entire run period.

(Basis: BACT, Cumulative increase)

5. Pursuant to Regulation 1, Section 522.7, the owner/operator of S-174 shall report any indicated excess of part F.4.a. to the APCO within 96 hours after such occurrence. The report shall include the nature, extent, and cause of the indicated excess. (Basis: 1-522.7)

G. Conditions for the Iron Oxide/HCL Regeneration Facility, S177, S180, S181, S178, S182 and S179.

1. The Owner/Operator shall ensure that in no event do the combined daily emissions from S174 and S177 exceed 100 lbs/day NOx (measured as NO2).
(Basis: BACT, Cumulative increase)

2. For this operation (S177 exhaust), the Owner/Operator shall install, calibrate and operate District approved continuous in-stack emission monitors and recorders for oxides of nitrogen, and either oxygen or carbon dioxide. The Owner/Operator shall report daily emissions to the District on a monthly basis, the format of which shall be subject to approval by the APCO.
(Basis: Regulation 1-521)

3. The Owner/Operator shall ensure that the ammonium chloride injection system is properly maintained and kept in good operating condition at all times. The Owner/Operator shall ensure that the ammonium chloride injection system is in full use during all periods of the roaster operation, with the exception of during a cold startup of the roaster. The ammonium chloride injection rate shall be automatically activated and controlled at all times during the roaster operation.
(Basis: BACT, Cumulative increase)

4. The Owner/Operator shall ensure that the roaster is fired on natural gas only.
(Basis: BACT, Cumulative increase)

5. The Owner/Operator shall ensure that the HCL emissions from A40, Iron Oxide/HCl Plant Demister, do not exceed 2 ppmv.
(Basis: TRMP)

6. The Owner/Operator shall ensure that the silos S178 and S182 are controlled at all times by A38 Baghouse or A35 Baghouse, and the A38 Baghouse and A35 Baghouse each is controlled at all times by the A34 Venturi Scrubber.

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(Basis: BACT, Cumulative increase)

7. The Owner/Operator shall ensure that the iron oxide is pneumatically conveyed for storage in an entirely enclosed system.
(Basis: RACT, Cumulative increase)

8. The Owner/Operator shall ensure that there is no visible emissions from the iron oxide bagging operation.
(Basis: BACT)

9. The Owner/Operator shall ensure that the hours of operation of each of these sources (S177, S178, S179, S180, S181, and S182) do not exceed 8640 hours per calendar year. (amended 11/96, AN 16832)
(Basis: Cumulative increase)

10. The Owner/Operator shall ensure that PM10 emissions from A40, Iron Oxide/HCl Plant Demister, do not exceed 0.46 lb/hr. (amended AN 32, 5/02; AN 6628, 2/03)
(Basis: BACT, Cumulative increase)

11. The Owner/Operator shall ensure that the iron oxide bagging operation is checked for visible emissions once every calendar year. If any visible emissions are detected by an untrained observer, the operator shall take corrective action to eliminate any visible emissions, and check for visible emissions again with an untrained observer. If visible emissions cannot be eliminated, the operator shall perform a certified visible emissions evaluation in accordance with BAAQMD 6-1-601 to determine compliance with part G. 8 of this condition and with Regulation 6-1-301. Any non-compliance shall be reported in accordance with Standard Condition I.F of the Title V permit. The Owner/Operator shall ensure that all visible emissions observations (both certified and uncertified) shall take place while the equipment is operating and during daylight hours. If no visible emissions are detected, the operator shall continue to check for visible emissions every year. If the equipment has not operated during a calendar year, no inspection is required. (basis: Regulation 2-6-503)

12. The Owner/Operator shall keep records of all visible emissions checks and the person performing the check. The records shall be retained for five years and shall be made available to District personnel upon request. (basis: Regulation 2-6-501)

H. Conditions for Source 176

1. The Owner/Operator shall ensure that S176 is vented to A33 Roll Etch Dust Collector during all periods of operation.
(Basis: BACT, Cumulative increase)

2. The Owner/Operator shall ensure that the emissions of PM10 from S176 do not exceed 0.01 grains/dscf.
(Basis: BACT, Cumulative increase)

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3. The Owner/Operator shall ensure that the hours of operation of S176 do not exceed 8640 hours per calendar year. (amended 11/96, AN 16832; 5/02, AN 32)
(Basis: Cumulative increase)

I. Conditions for Source 65 (added 5/02, AN 32)

1. The Owner/Operator shall ensure that the total steel throughput for S65 does not exceed 218,776 tons in any consecutive 12-month period. (added 5/02, AN 32)
(Basis: Cumulative increase)

2. The owner/operator of S65 shall maintain records of daily steel throughput summarized on a monthly basis in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (basis: cumulative increase, BAAQMD Regulation 2-6-501)

J. Facility-wide HCl Emission Limits

1. The Owner/Operator shall ensure that emissions of HCl from all permitted and exempt sources combined on a facility-wide basis are no greater than 9.0 tons during any consecutive twelve-month period. (basis: Regulation 2-6-423.2)

2. The Owner/Operator shall ensure that the emissions of HCl are calculated on a monthly basis as follows:

a. HCl emissions from A27 Pickling Line Packed Bed Scrubber, which abates S169 and S170 plus acid regeneration storage tanks and recirculation tanks, shall be calculated using the HCl concentration results from the latest source test required by Part L below, monthly hours of operation and either actual air flow measurement or maximum air flow capacity.
b. HCl emissions from A34, Caustic Venturi Scrubber, in series with A40, Iron Oxide/HCl Plant Demister, which together abate S177, S178, S179, S180, S181, and S182, shall be calculated using the HCl concentration results from the latest source test required by Part L below, monthly hours of operation and either actual air flow measurement or maximum air flow capacity.
c. HCl emissions from other HCl storage tanks shall be calculated by assuming that each HCl tank loading event displaces an equivalent volume of air saturated with HCl at the average storage tank temperature.

(basis: Regulation 2-6-423.2)

3. The owner/operator shall total the emissions of HCl on both a monthly and consecutive twelve-month period basis.
(basis: Regulation 2-6-423.2)

K. PM10 Source Testing

1. Source testing options to demonstrate compliance with the PM10 concentration and mass emission rate limits in the above parts of this condition are listed below. The purpose of this

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condition is to provide an option for a less costly modified Filterable Particulate (FP) test to demonstrate compliance with the PM10 limits. (basis: Regulation 2-6-503)

a. Conduct a PM10 source test (including condensable particulate (CP)).

b. Conduct a FP source test plus a CP source test incorporated into the FP source test train. If results exceed the PM10 limit, conduct a PM10 source test (including condensable).

The Owner/Operator shall ensure that the test results are delivered to the District no later than 30 days from the date of sampling.

2. Particulate matter emissions will be determined by a. or b. below: (basis: Regulation 2-6-503)

a. Emissions of PM10 will be determined by using the following:

1). Emissions of PM10 including CP will be determined in accordance with California Air Resources Board (CARB) Method 501 or

2). Emissions of PM10 including CP will be determined in accordance with California Air Resources Board (CARB) Method 501 plus CARB Method 5 (including CP) or

3). Emissions of PM10 will be determined in accordance with EPA Method 201/201A plus EPA Method 202. The EPA Method 202 sample train shall be incorporated into the Method 201/201A sample train.

b. Emissions of FP plus CP emissions will be determined by using:

1). Emissions of FP plus CP will be determined in accordance with CARB Method 5 (including CP) or

2). Emissions of FP plus CP will be determined in accordance with either EPA Method 5 or BAAQMD ST-15 plus EPA Method 202. The EPA Method 202 sample train shall be incorporated into the EPA Method 5 or BAAQMD ST-15 sample train, as appropriate.

3. In order to demonstrate compliance with each PM10 concentration and mass emission rate limits in the above parts B through E, G and H of this condition, the owner/operator shall perform District approved source tests:

a. in calendar year 2004 except in calendar year 2006 for S176.

b. in every fifth calendar year thereafter.

The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. (basis: Regulation 2-6-503)

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4. To demonstrate compliance with Part K. 3, the owner/operator shall maintain the following records in a District approved log: (basis: Regulation 2-6-501)

a. All source test results for FP, CP and PM10 emissions.

These records shall be kept on site for a minimum of 5 years from the date of entry and shall be made available to District personnel upon request. (basis: Regulation 2-6-501)

L. HCl Source Testing

1. In order to demonstrate compliance with each HCl concentration and mass emission rate limit in the above parts C, G and J of this condition, the owner/operator shall perform District approved source tests:

a. in calendar year 2004.
b. every calendar year thereafter for Part C
and
not less than every 2 ½ years thereafter for Part G.
Note: These source tests shall be used to demonstrate compliance with the mass emission rate limit in Part J.

The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. (basis: Regulation 2-6-503)

2. To demonstrate compliance with Part L. 1, the owner/operator shall maintain the following records in a District approved log: (basis: Regulation 2-6-501)

a. All source test results for HCl concentration and emissions.

These records shall be kept on site for a minimum of 5 years from the date of entry and shall be made available to District personnel upon request. (basis: Regulation 2-6-501)

M. POC Source Testing

1. In order to demonstrate compliance with the POC mass emission rate limit in the above part D of this condition, the owner/operator shall perform a District approved source test:

a. in calendar year 2004.

b. in every fifth calendar year thereafter.

The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. (basis: Regulation 2-6-503)

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2. To demonstrate compliance with Part M. 1, the owner/operator shall maintain the following records in a District approved log: (basis: Regulation 2-6-501)

a. All source test results for POC concentration and emissions.

These records shall be kept on site for a minimum of 5 years from the date of entry and shall be made available to District personnel upon request. (basis: Regulation 2-6-501)

N. Hours of Operation Record Keeping

In order to demonstrate compliance with each calendar-year operating limit, in hours, in the above parts B through D, G and H of this condition, the owner/operator shall maintain records of the days and hours of operation. The owner/operator shall total the hours of operation on both a monthly and calendar-year basis. These records shall be retained on site in a District-approved log for a minimum of five years from the date of entry and made available to District personnel upon request. (basis: BAAQMD Regulation 2-6-501)

***APPENDIX A TO PERMIT CONDITION #7216, FOR TRAINS**

The procedures and methodology to be used in calculating transportation emissions for the purpose of demonstrating compliance with the USS-Posco permit condition.

The methodology and calculation procedures require gathering the raw data (STEP 1), determining fuel usage rates (STEP 2), applying pollutant specific emission factors (STEP 3).

Calculated monthly emissions shall be reported in tons (STEP 4).

STEP 1.
Collection of Raw Data Regarding Train Activity at USS-POSCO, Pittsburg, CA

INCOMING TRAIN SHIPMENTS. The following information, associated with each locomotive, shall be collected, recorded, and used in subsequent calculations:

- Arrival Date and Time
- Specify as to Type of Delivery (ex. steel coil)
- Carrier and Train Number
- Number of Locomotives Used
- Engine Type
- Number of Cars
- Idle Time in Minutes
- Quantity of Product Shipped (in tons)
- Random Check of Car Weight determined by UPI scale
- Distance Traveled in District
- Invoice Records

OUTGOING TRAIN SHIPMENTS. The following information, associated with each locomotive, shall be collected, recorded, and used in subsequent calculations:

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- Departure Date and Time
- Specify as to Type of Delivery (ex. steel coil, scrap, iron oxide)
- Carrier and Train Number
- Number of Locomotives Used
- Engine Type
- Type of Cars
- Number of Cars
- Quantity of Product Shipped (in tons)
- Distance Traveled in District
- Invoice Records

OUTGOING TRAINS CARRYING UPI MATERIAL AS PART OF A SECTION TRAIN WITHIN DISTRICT. The following information, associated with each locomotive, shall be collected, recorded, and used in subsequent calculations:

- Departure Date and Time
- Specify as to Type of Delivery (ex. steel coil, scrap, iron oxide)
- Carrier and Train Number
- Number of Locomotives Used for UPI Cars
- Engine Type
- Type of Cars
- Number of Cars
- Quantity of Product Shipped (in tons)
- Distance Traveled in District
- Invoice Records

SWITCHING ACTIVITY. The following information, associated with each locomotive, shall be collected, recorded, and used in subsequent calculations:

UPI switching locomotives:
- fuel loaded into locomotive
- invoice records

FOR switching at SF/SP switch yard:
- Switching Invoice Records
- Same information required for SP line haul

STEP 2.
DETERMINING FUEL USAGE RATES

The District approved railroad system factors:

Union Pacific (laden & unladen): 1.02 gallon/KGTM
Southern Pacific (laden & unladen): 1.67 gallon/KGTM
Santa Fe (laden & unladen): 1.13 gallon/KGTM

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LINE HAUL TRAINS (incoming raw coils, outgoing finished product and scrap):

((number of cars) * (gross weight of cars) * (miles traveled within District) /(1000)) * (Railroad carrier system factor, in gal/KGTM) * (Emission Factor for Pollutant)

UNLADEN LINE HAUL TRAINS:

The miles traveled by a returning unladen train from UPI to Union Pacific or receiving an incoming unladen train to carry UPI shipments are assumed to be identical to the miles traveled within the District for the laden train. The method of calculation for line haul trains is then followed.

UPI SWITCH ENGINES

(Fuel usage) * (Emission Factor for Pollutant)

Santa Fe/Southern Pacific Switching:

(5% of the SP fuel usage due to UPI outbound cars)

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STEP 3.
EMISSION FACTORS

The District approved emission factors for baseline calculations at the UPI facility are as follows:

	Switch Engines (lb/Kgallons)	Line-Haul Engines (lb/Kgallons)
Nitrogen Oxides (NO_x)	718.3	379.96
Carbon Monoxide (CO)	75.6	60.35
Hydrocarbons (HC)	41.7	21.15
Sulfur Oxides (SO_x)	71.0	14.37
PM10	18.3	13.22

(1) SO_x emission factor: (7.1#/gal) (%S by wt) (2) (1000) as SO2
(note: sulfur content of 0.5% is being used based on line haul fuel)

STEP 4.
CALCULATED MONTHLY EMISSIONS

To be kept by USS-Posco on a montly record keeping basis. The records which are required to be submitted to the District pursuant to Condition 2 on the entire modernization project may be submitted in the form of the attached summary sheets or in such other format as the Air Pollution Control Officer may approve.

SUMMARY OF MONTHLY RAIL TRANSPORT
FUEL USAGE -- RAW COILS

Line-haul transport by Union Pacific

(1) Tare weight of rail cars	_____	tons
(2) Gross weight of rail cars	_____	tons
(3) Distance traveled in BAAQMD	19.3	miles
(4) Unit fuel usage (laden)	1.02	gal/KGTM
(5) Unit fuel usage (unladen)	1.02	gal/KGTM
(6) Fuel usage (inbound), (2) x (3) x (4) + 1000	_____	gallons
(7) Fuel usage (outbound), (1) x (3) x (5) + 1000	_____	gallons

Positioning - Union Pacific

(8) Number of shipments	_____	
(9) Fuel per shipment	10	gallons
(10) Fuel Usage, (8) x (9)	_____	gallons

Idling - Union Pacific

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(11) Number of engines	_____	
(12) Fuel per engine	1.67	gallons
(13) Total Usage	_____	gallons
(14) Total Union Pacific fuel usage, (6) + (7) + (10) + (13)	_____	gallons

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SUMMARY OF MONTHLY RAIL TRANSPORT
FUEL USAGE -- FINISHED PRODUCTS

Transport from UPI to SF/SP Yard by Santa Fe Switch Engines

(1)	Tare weight of rail cars	_____	tons
(2)	Gross weight of rail cars	_____	tons
(3)	Distance traveled in BAAQMD	2.0	miles
(4)	Unit fuel usage	1.13	gal/KGTM
(5)	Fuel usage (inbound), (1) x (3) x (4) + 1000	_____	gallons
(6)	Fuel usage (outbound), (2) x (3) x (4) + 1000	_____	gallons
(7)	Total Santa Fe fuel usage, (5) + (6)	_____	gallons

Transport to destination by Southern Pacific line-haul engines

Northern Route (toward Roseville)

(8)	Distance traveled in BAAQMD	37.7	miles
(9)	Unit fuel usage	1.67	gal/KGTM
(10)	Fuel usage (inbound), (1) x (8) x (9) + 1000	_____	gallons
(11)	Fuel usage (outbound), (2) x (8) x (9) + 1000	_____	gallons

Southern Route (toward Tracy)

(12)	Distance traveled in BAAQMD	25.7	miles
(13)	Unit fuel usage	1.67	gal/KGTM
(14)	Fuel usage (inbound), (1) x (12) x (13) + 1000	_____	gallons
(15)	Fuel usage (outbound), (2) x (12) x (13) + 1000	_____	gallons

Both Routes

(16)	Total SP line-haul fuel usage, (10) + (11) + (14) + (15)	_____	gallons

Transport at SF/SP yard by Southern Pacific switch engines

(17)	Switching fuel usage as a fraction of line-haul fuel usage	0.0526	
(18)	Total SP switching fuel usage, (17) x (16)	_____	gallons

Note: Switching fuel usage is assumed to be 5 percent of the railroad's total fuel usage in the BAAQMD. The remaining 95 percent is for line-hauling. Switching usage is 5.26 percent of line-hauling usage.

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SUMMARY OF MONTHLY RAIL TRANSPORT
FUEL USAGE -- SCRAP STEEL

Transport from UPI to SF/SP Yard by Santa Fe Switch Engines

(1)	Tare weight of rail cars		tons
(2)	Gross weight of rail cars		tons
(3)	Distance traveled in BAAQMD	2.0	miles
(4)	Unit fuel usage	1.13	gal/KGTM
(5)	Fuel usage (inbound), (1) x (3) x (4) + 1000		gallons
(6)	Fuel usage (outbound), (2) x (3) x (4) + 1000		gallons
(7)	Total Santa Fe fuel usage, (5) + (6)		gallons

Transport to destination by Southern Pacific line-haul engines

Northern Route (toward Roseville)

(8)	Distance traveled in BAAQMD	37.7	miles
(9)	Unit fuel usage	1.67	gal/KGTM
(10)	Fuel Usage (inbound), (1) x (8) x (9) + 1000		gallons
(11)	Fuel Usage (outbound), (2) x (8) x (9) + 1000		gallons

Southern Route (toward Tracy)

(12)	Distance traveled in BAAQMD	25.7	miles
(13)	Unit fuel usage	1.67	gal/KGTM
(14)	Fuel usage (inbound), (1) x (12) x (13) + 1000		gallons
(15)	Fuel usage (outbound), (2) x (12) x (13) + 1000		gallons

Both Routes

(16)	Total SP line-haul fuel usage, (10) + (11) + (14) + (15)		gallons

Note: If any scrap steel is shipped within the Bay Area Air Quality Management District, the mileage from UPI to the receiving location must be determined and entered on Line (8) or (12).

Transport at SF/SP yard by Southern Pacific switch engines

(17)	Switching fuel usage as a fraction of line-haul fuel usage	0.0526	
(18)	Total SP switching fuel usage, (17) x (16)		gallons

Note: Switching fuel usage is assumed to be 5 percent of the railroad's total fuel usage in the BAAQMD. The remaining 95 percent is for line-hauling. Switching usage is 5.26 percent of line-hauling usage.

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MONTHLY SUMMARY OF RAIL TRANSPORT
FUEL USAGE -- UPI SWITCH ENGINES

UPI Switch Engines

(1) Fuel delivered for switch engines _____ gallons

SUMMARY OF MONTHLY RAIL TRANSPORT
TOTAL FUEL USAGE
ALL TRANSPORT METHODS

Line-haul engines

(1) Union Pacific, (Page 1, Line 14) _____ gallons
(2) Southern Pacific, (Page 3, Line 16) +(Page 5, Line 16) _____ gallons
(3) Total line-haul engines, (1) + (2) _____ gallons

Switch engines

(4) Santa Fe, (Page 2, Line 7) + (Page 4, Line 7) _____ gallons
(5) Southern Pacific, (Page 3, Line 18) + (Page 5, Line 18) _____ gallons
(6) UPI (Page 6, Line 1) _____ gallons
(7) Total switch engines, (4) + (5) + (6) _____ gallons

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SUMMARY OF MONTHLY RAIL TRANSPORT
EMISSION CALCULATIONS
ALL TRANSPORT METHODS

Operation	NOx	CO	HC	SOx	PM10
Line-haul engines					
Fuel use	_____ gallons (Page 7, Line 3)				
Emission factor, (lb/1000 gal)	379.96	60.35	21.15	14.37	13.22
Emissions (tons/mo)	_____	_____	_____	_____	_____
Switch engines					
Fuel use	_____ gallons (Page 7, Line 7)				
Emission factor, (lb/1000 gal)	718.3	75.6	41.7	71.0	18.3
Emissions (tons/mo)	_____	_____	_____	_____	_____
Monthly Total					
Actual Emissions, (tons/mo)	_____	_____	_____	_____	_____
Prorated Baseline Emissions (tons/mo)	_____	_____	_____	_____	_____

Calculations:

(1) Divide each category's fuel use from previous summary sheets by 1,000 to compute 1000's of gallons of fuel used per month.
(2) Multiply fuel use by emission factor and divide result by 2,000 to compute emissions in tons per month.

***APPENDIX A TO PERMIT CONDITION #7216, FOR SHIPS**

The procedures and methodology to be used in calculating transportation emissions for the purpose of demonstrating compliance with the USS-POSCO permit condition.

The methodology and calculation procedures require gathering the raw data (STEP 1), determining fuel usage rates (STEP 2), applying pollutant specific emission factors (STEP 3).

Calculated monthly emissions shall be reported in tons and calculated daily emissions shall be reported in pounds (STEP 4).

STEP 1.
Collection of Raw Data regarding Ship Activity at USS-POSCO, Pittsburg, CA

INCOMING SHIP SHIPMENTS. The following information, associated with each ship, shall be

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collected, recorded, and used in subsequent calculations:

- Arrival Date and Time
- Specify as to Type of Delivery (ex. steel coil)
- Ship Name
- DWT
- Quantity of Product Shipped (in tons)
- Distance Traveled in District
- Invoice Records for fuel oil
- CEM Charts for Main Engine for SCR-equipped ships

OUTGOING SHIP SHIPMENTS. The following information, associated with each ship, shall be collected, recorded, and used in subsequent calculations:

- Departure Date and Time
- Specify as to Type of Delivery (empty)
- Ship Name
- DWT
- Quantity of Product Shipped (in tons, if any)
- Distance Traveled in District
- CEM Charts for Main Engine for SCR-equipped ships

STEP 2.
DETERMINING FUEL USAGE RATES

For the Main Engine use the recorded rate from the ship recorder.

For the Diesel Generator use AP-42 Equation of (0.0959 gal/Kw-Hr) (Generator Load, in Kw-Hr)

Generator Load is determined as follows: 2 generators operate at 25% load during the transit time. During docking of the ship the 3 generators are assumed to operate at 50% power. After docking, 1 generator is assumed to operate at 25% load. Switching to shore power for SCR-equipped ships is assumed to take 0.5 hours.

Boiler fuel usage is 30 gal/hr times the length of the voyage.

STEP 3.
EMISSION FACTORS

For Main Engines:

NO_x:	lbs/day from CEM Chart for SCR-equipped ships and 750 lbs NO_x/Mgal for non-SCR-equipped ships
CO:	(56.9 lbs CO/Mgal)
PM10:	(20 lbs PM_{10}/Mgal)
POC:	(32.8 lbs POC/Mgal)
SO_2:	is calculated based on 5% S in fuel calculation to be:

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(Fuel Rate, gals) (7.2 lbs/gal) (0.05/100) (64/32) = SO_2

For Diesel Generator:

NO_x:	(222 lbs NO_x/Mgal)
CO:	(53.4 lbs CO/Mgal)
POC:	(109 lbs POC/Mgal)
PM10:	(50 lbs PM_{10}/Mgal)
SO_2:	is calculated based on 0.5% S in fuel calculation to be: (Fuel Rate, gals) (7.2 lbs/gal) (0.005/100) (64/32) = SO_2

For Boiler:

NO_x:	(20 lbs NO_x/Mgal)
CO:	(5.0 lbs CO/Mgal)
PM10:	(2.0 lbs PM_{10}/Mgal)
POC:	(0.2 lbs POC/Mgal)
SO_2:	is calculated based on 0.5% S in fuel calculation to be: (Fuel Rate, gals) (7.2 lbs/gal) (0.005/100) (64/32) = SO_2

STEP 4.

CALCULATED MONTHLY EMISSIONS

To be kept by USS-Posco on a montly record keeping basis. The records which are required to be submitted to the District pursuant to Condition 2 on the entire modernization project may be submitted in the form of the attached summary sheets or in such other format as the Air Pollution Control Officer may approve.

End of Appendix A for permit condition # 7216

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Condition # 7579

For S82, 93, 155 - ELECTRO-TINNING LINES:

Application 18718 (September 2008): Addition of HEPA Filters to A-41 and A-42 Mapco Enforcer III Units. The owner/operator shall comply with the following Conditions for Sources 82, 93 and 155 Chrome Plating Tanks. Basis refers to either BAAQMD Regulations/Rules or California Code of Regulations, Title 17, Section 93102 - 93102.16 and associated appendices, unless otherwise noted.

1. Performance Standards

    a. Emission Limits effective through 10-23-2009:

        Emissions of hexavalent chromium shall not exceed 0.006 mg per ampere-hour (mg/amp-hr) after abatement. [Basis: 93102.4(a)(1)]

    b. Emission Limits effective 10-24-2009:

        Emissions of hexavalent chromium shall not exceed 0.0015 mg per ampere-hour (mg/amp-hr) after abatement. [Basis: 93102.4(b)(1)

    c. Throughput: The total annual combined throughput at S82, S93, and S155 shall not exceed 114.5 million ampere-hours in any consecutive 12-month period. [Basis: 93102.4(b)(1)]

    d. The requirements of Parts 1a and 1b of this condition and the O&M Plan provisions do not apply during periods of equipment breakdown, provided the provisions of the District's breakdown rules are met. [Basis: 93102.2(b)]

2. Abatement

    a. The owner/operator shall abate at all times during operation of S82, S93, and S155 with plating tank emissions vented through A41 and/or A42. A41 and A42 are identified as Mapco Enforcer III Scrubber units with HEPA filtration elements.

        The ventilation and abatement system shall be properly maintained and kept in good working condition.

3. Source Test

    a. The owner/operator shall perform a source test by October 24, 2009 to demonstrate compliance with the emission performance standard specified in part 1b.

        An existing District-approved source test may be used to demonstrate compliance with this part, as long as the existing source test was conducted in accordance with ATCM Section 93102.7(b) & (c). [Basis: 93102.7(a)(1)(A)]

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b. The owner/operator shall perform source tests to demonstrate compliance according to the following schedule:

1) Unless Part 3.b)ii. is satisfied, subsequent source testing shall be performed no later than 36 months after the date of the previous District-approved source test demonstrating compliance.
2) If the previous two consecutive source tests demonstrate compliance, the subsequent tests shall be performed no later than 48 months after the previous source test.
3) If a source test demonstrates non-compliance, then the owner/operator must perform another source test to demonstrate compliance. Subsequent source tests to demonstrate compliance shall be performed no later than 24 months after the previous source test. If after two consecutive source tests at the 24 month frequency, both of which demonstrate compliance, the source test frequency reverts to the original schedule in Part 3.b)i.

c. Non-compliant source test: After conducting a source test which demonstrates non-compliance the owner/operator shall review and adjust or repair the plating operation and associated emission control system. A source test to demonstrate compliance shall be performed no later than 30 days after the chrome plating system adjustments/repairs are completed.

d. Any chrome plating bath that is non-operational at the time a source test is due does not have to be tested at that time. Upon subsequent start-up of any such bath, a source test shall be conducted within 30 days.

e. Source Testing Protocol: A written source test protocol based on 93102.7© shall be provided for District approval prior to conducting any source test for compliance. This source testing protocol shall include testing methods, length of sample period, plating facilities to be operated during the source test, sampling equipment and methods, as well as the planned date for the source test.

For the purpose of maintaining ongoing compliance, the following parameters shall be monitored and recorded at the listed frequency during the source testing period:

1) A41 & A42 Mapco Scrubber unit(s): record pressure drop at least one time every 15 minutes of operation.
2) A41 & A42 HEPA filter elements: record pressure drop at least one time every 15 minutes of operation.

f. The owner/operator shall contact the District Source Test Section at least 14 days in advance of the source test or as directed by the ATCM to obtain approval of the test protocol. The owner/operator shall notify the District Source Test Section at least 7 days in advance of each scheduled source test. [Basis: 93102.7]

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4. Training

No later than October 24, 2009, and within every two calendar years thereafter, the owner or operator shall ensure that hexavalent chrome based plating operations (including environmental compliance/recordkeeping) are under the direction of the owner or operator or current employee who is onsite and has completed the ARB Compliance Assistance Training Course for chrome plating and anodizing. [Basis: 93102.5(b)]

Chrome plating operations during the physical absence of the trained owner or operator are permissible as long as the trained individual(s) are physically based at the facility and are directly involved in the day to day environmental practices and requirements associated with the chrome plating operation.

5. Housekeeping

The following housekeeping requirements shall be implemented to reduce potential hexavalent chrome fugitive emissions: [Basis: 93102.5©]

a. Chromic acid materials shall be stored in a closed container in an enclosed storage area.

b. Chromic acid materials shall be transported from storage to the bath in a closed container.

c. Any liquid or sold hexavalent chrome containing material that is spilled shall be contained or cleaned up within one hour after being spilled.

d. Surfaces within the chrome storage area and the walkways and other areas potentially contaminated with hexavalent chrome, shall be cleaned at least one time every seven days by either HEPA vacuuming, damp cloth hand wiping, wet mopping, use of non-toxic dust suppressants or any other District-approved method.

e. Chromium containing wastes generated as a result of any of the above housekeeping activities shall be stored, disposed of, recovered, or recycled using practices that minimize fugitive dust.

6. Monitoring

a. Each rectifier shall be hard-wired to a single non-resettable meter which records ampere-hours continuously during rectifier operation. Each ampere-hour meter shall be installed and maintained per manufacturer's specifications. The owner/operator shall record the total ampere-hours used during each month.
[Basis: 93102.10(a), 93102.12(c)(1)]

b. A41/A42 Mapco Scrubber Pressure Drop: The owner/operator shall continuously monitor the pressure drop across A41 and A42 Mapco Enforcer III Scrubber unit. The pressure drop shall be maintained within plus or minus 2 inches of water of the value established during the most recent source test to demonstrate compliance with the

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emission limitations of Part 1. Pressure drop readings shall be recorded at a frequency of at least one time per operating week. [Basis: 93102.9(b), 9102.12(c)(2)]

c. A41/A42 HEPA Filter Element Pressure Drop: The owner/operator shall continuously monitor the pressure drop across A41 and A42 HEPA filter elements. The pressure drop shall be maintained within minus ½ times to +2 times the inches of water of the value established during the most recent source test to demonstrate compliance. Pressure drop readings shall be recorded at a frequency of at least one time per operating week. [Basis: 93102.9(b), 93102.12(c)(2)]

7. Operation & Maintenance (O&M) Plan

The owner/operator shall prepare an operation and maintenance plan for the chrome plating operation, which shall be retained onsite and made available for inspection upon request. Any revisions to the O & M Plan shall be documented in an addendum and all versions shall be maintained for a period of 5 years after each revision to the plan. The O&M Plan shall at a minimum include:

a. The inspection and maintenance requirements for the air pollution control equipment and amp-hr meters/totalizers. [Basis: 93102.11]

b. A checklist to document the inspection, operation and maintenance for the chrome plating operation, including steps to be taken to correct operating deficiencies. [Basis: 93102.11]

8. Inspection & Maintenance Frequency

a. The owner/operator shall perform visual inspections of the abatement systems and associated ductwork pursuant to ATCM Section 93102.10(a) at least once per calendar quarter and conduct wash downs of the Mapco Enforcer III unit per manufacturer recommendations. [Basis: 93102.10(a) and Reg 2-5]

b. In order to demonstrate compliance with Part 8a, the owner/operator shall record the equipment being inspected, date, brief description of the working condition of the device during the inspections, any maintenance activities performed on the components of the air pollution control systems, and any actions taken to correct deficiencies found during the inspection.

9. Recordkeeping

The owner/operator shall maintain the following records for at least five years, with the most recent two years maintained onsite.

a. Inspection Records to demonstrate that such inspections were done in accordance with the provisions of Section 93102.10 and the O&M Plan. Such records can take the form of a checklist and shall identify the devices inspected, the date and time of the inspection, a brief description of the working condition and any corrective actions.

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b. The owner/operator shall:
[Basis: 93102.12]

1) Record monthly and cumulative 12-month rectifier ampere-hour totals, and
2) Record the pressure drop across the abatement device(s) at least once per operating week.

c. Breakdown Records noting the occurrence, duration, cause (if known), and action taken.

d. Records of excesses of the emission limitations set forth in Part 1 or the monitoring parameters established under Part 6 noting any exceedances of the ampere-hour throughput or pressure drop limits.

e. Housekeeping Records demonstrating compliance with Part 3, above, including date and time of housekeeping activity.

10. Reporting

a. Source Test Reports: The owner/operator shall report source test results used to demonstrate compliance to the District Source Test Section no later than 60 days after the test date. The content of the source test reports shall contain the information identified in Appendix 1 of the applicable ATCM. Source test records shall be maintained onsite at the facility and made available to the District upon request, for a period of 5 years from the date of the source test. [Basis: 93102.13(a)]

b. Annual Compliance Status Report: The owner/operator shall submit an annual compliance status report to the District on or before February 1, and shall include the following information for the preceding calendar year.

The content of the ongoing status shall include the information identified in Appendix 3 of the applicable ACTM. The report shall contain the name, title and signature of the responsible official who is certifying the accuracy of the report. [Basis: 93102.13©]

Condition # 12194

For S286, 287 - CHROME RECOVERY UNIT (CRU) EVAPORATORS

1. The Owner/Operator shall ensure that the total combined emissions of hexavalent chromium from chrome recovery unit evaporators S286 and S287 do not exceed 0.87 lb in any consecutive twelve month period. The ventilation and exhaust systems, including A43 #1 CRU Evaporator Mist Eliminator and A44 #2 CRU Evaporator Mist Eliminator, shall be properly maintained and kept in good operative condition.

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(Basis: Toxic Risk Screen)

2. To demonstrate compliance with part 1, above, a District-approved source test shall be performed (according to an approved protocol) on the evaporator system. The owner/operator of this equipment shall conduct District approved source testing of both evaporator systems every two years. The initial source test required by this part for each source shall be conducted the later of July 1, 2004 or within six months of any operation occurring on or after the Major Facility Review Permit issuance date. Subsequent testing shall be performed no later than 24 months from the previous test.

The Owner/Operator shall ensure that this source test is conducted according to the requirements of either CARB Method 425 or EPA Method 306. This source test shall determine the mass emissions of both total and hexavalent chromium in units of g/hr and mg/dscm as emitted after abatement. A complete report shall be submitted within 45 days of the test date to the Director of the Compliance and Enforcement Division and shall demonstrate compliance with part 1, above.

Source Testing Protocol: A written source test protocol shall be submitted at least 14 days in advance of each source test to the Director of the Compliance and Enforcement Division for District approval prior to conducting any source test for compliance. This source test protocol shall include testing methods, length of sample period, facilities to be operated during the source test, parameters to be monitored during the source test, sampling equipment and methods, as well as the planned date for the source test. The Director of the Compliance and Enforcement Division shall be notified of the scheduled test date at least 7 days in advance of each source test.
(Basis: Toxic Risk Screen)

3. Ongoing Compliance Monitoring

a. To demonstrate ongoing compliance with part 1, above, the Owner/Operator shall keep monthly records of hexavalent and total chrome emissions. Emissions of total and hexavalent chrome shall be estimated by multiplying the chrome emission rates in grams per hour as determined by the source test required in part 2, by the monthly evaporator system hours of operation.

b. Within three months of any operation occurring on or after May 1, 2006, the Owner/Operator shall ensure that each CRU Evaporator is equipped with devices to measure the temperature and pressure of the liquid stream to be sprayed. The measurement shall be made downstream of any heater, control valve and shutoff valve but upstream of any spray nozzle. Within six months of any operation occurring on or after May 1, 2006, the acceptable range for temperature and pressure of the liquid stream to be sprayed shall be recorded for each CRU Evaporator and kept on file. Thereafter, each CRU Evaporator shall be operated within the range of normal operating parameters for the equipment as established by the facility.

c. Within three months of any operation occurring on or after May 1, 2006, the Owner/Operator shall ensure that each mist eliminator is equipped with devices to measure the gas stream pressure across the mist eliminator. Within six months of any operation

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occurring on or after May 1, 2006, the acceptable range for gas stream pressure across the mist eliminator shall be recorded for each mist eliminator and kept on file. Thereafter, each mist eliminator shall be operated within the range of normal operating parameters for the equipment as established by the facility.

d. In order to ensure the proper operation of each CRU evaporator and mist eliminator, the following items shall be inspected on at least a monthly basis.

i. operating parameters including liquid stream temperature and pressure and gas stream pressure drop (following the installation of monitoring equipment in accordance with part 2)
ii. evidence of visible particulate emissions from the exhaust of the mist eliminator
(Basis: Toxic Risk Screen, Regulation 2-1-403)

4. Evaporator System Hours of Operation

To comply with part 3, above, the Owner/Operator shall install, maintain, and utilize a non-resettable clock on the evaporators to track and record the hours of operation.
(Basis: Toxic Risk Screen)

5. Recordkeeping

a. In order to demonstrate compliance with part 3, the permit holder shall keep monthly inspection records for each affected CRU Evaporator with mist eliminator in a District approved log. These records shall include the following information for each unit inspected:

i. the time and date of each inspection
ii. the name of the person conducting the inspection
iii. the liquid pressure versus the established range
iv. the liquid temperature versus the established range
v. the measured gas stream pressure drop versus the established pressure drop range
vi. the results of each visible particulate emissions check
vii. any corrective action taken as a result of the inspection

a. Source Test Results: the Owner/Operator shall keep and maintain onsite records of all source tests performed on the exhaust stream for sources S286 and S287.

b. Hours of Operation: the Owner/Operator shall keep and maintain onsite records of monthly hours of operation of the chrome recovery unit evaporator system.

Retention of Records: All of the above records shall be maintained for at least five years following the close of the recording year.
(Basis: Toxic Risk Screen)

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Condition # 13634

For S290 - Continuous Galvanize Line Stenciller:

1. The Owner/Operator shall ensure that the usage of ink and cleanup solvent at S290 does not exceed the following limits, in any calendar year:

a. Matthews JAM-4013 Black Ink 900 gallons
b. Pannier #1001 Black Ink 60 gallons
c. Marsh T-Grade Dye 5 gallons
d. Matthews JAM-4500 Cleaner 60 gallons
e. Pannier 1060 Solvent 180 gallons
(Basis: Cumulative increase)

2. Inks and solvents other than the materials specified in part 1 may be used at S290, provided that the Owner/Operator can demonstrate that both of the following are satisfied:

a. Total POC emissions from S290 do not exceed 7800 pounds per calendar year; and
b. The use of these materials does not increase toxic emissions above any risk screening trigger level.
(Basis: Cumulative increase, risk management policy)

3. To determine compliance with the above conditions, the Owner/Operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:

a. Type and quarterly usage of all POC containing materials used;
b. If a material other than those specified in part 1 is used, POC and toxic component contents of each material used; and mass emission calculations to demonstrate compliance with part 2, on a quarterly basis;

The Owner/Operator shall ensure that all records are retained on-site for five years, from the date of entry, and made available for inspection by District staff upon request.
(Basis: Cumulative increase, risk management policy)

4. The cumulative emission increase for this application is 6189.6 lb/yr POC. This increase is partially offset by contemporaneous emission reductions totaling 4400.2 lb/yr POC. The remaining balance of 1789.4 lb/yr (0.895 TPY) is offset at a ratio of 1.15:1.0 with 1.03 TPY of NOx credits from Banking Certificate No. 490. If UPI wishes to reduce the emission limit of 7800 lb/yr in part 2a, the District will refund the corresponding NOx emission credits that were used to offset this application, less the 15% incremental offset ratio, up to a total of 0.895 TPY. If the Owner/Operator can demonstrate that emissions from S290 never reached 7800 lb/yr, the District will also refund the 15% incremental offset ratio, based on the difference between highest actual emissions and 7800 lb/yr.
(Basis: Cumulative increase)

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Condition # 16682

For S292 - KMCAL HORIZONTAL ELECTROSTATIC OILER:

1. The Owner/Operator shall ensure that the usage of lubricating and rust preventative oils (coatings) at S292 does not exceed the following limits, in any consecutive twelve-month period:
   a. Ferrocote EGL 35,000 gallons
   b. Ferrocote HCL 12,000 gallons
(Basis: Cumulative Increase or Toxic Risk Screen)

2. Coatings and cleanup solvents other than the materials specified in part 1, and/or usages in excess of those specified in part 1, may be used at S292, provided that the owner/operator can demonstrate that all of the following are satisfied:
a. Total POC emissions do not exceed 1.175 tons in any consecutive twelve-month period; and
b. Total NPOC emissions do not exceed 1.175 tons in any consecutive twelve-month period; and
c. The use of these materials does not increase toxic emissions above any risk screening trigger level.
(Basis: Emission Offsets, Toxic Risk Screen)

3. The Owner/Operator shall ensure that S292 is abated at all times by A46. The overall efficiency of A46 shall be sufficient to result in emissions of no more than 0.05 pounds of VOC per gallon of coating applied.
(Basis: Emission Offsets)

4. To determine compliance with the above parts, the Owner/Operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:
a. Type and monthly usage of all POC containing materials used;
b. Type and monthly usage of all NPOC containing materials used
c. If a material other than those specified in part 1 is used, POC and toxic component contents of each material used; and mass emission calculations to demonstrate compliance with part 2, on a monthly basis;
d. Monthly usage and/or emission calculations shall be totaled for each consecutive twelve-month period.
e. All source tests of S292 performed by or for the Permit Holder.

The Owner/Operator shall ensure that all records are retained on-site for five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations.
(Basis: Emission Offsets, Toxic Risk Screen)

5. In order to demonstrate compliance with the emission limit is parts 2 and 3, the owner/operator of this equipment shall conduct District approved source testing every two years. The initial

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source test required by this part shall be conducted no later than July 1, 2004. Subsequent testing shall be performed no later than 24 months from the previous test. The Director of the Compliance and Enforcement Division of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Director of the Compliance and Enforcement Division shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and to the Director of the Compliance and Enforcement Division within 45 days of the test date. (basis: Regulation 2-1-304)

6. The Owner/Operator shall ensure that the oil mist precipitator A46 is properly maintained and properly operated at all times that S292 is in operation. (Basis: Emission Offsets)

7. The Owner/Operator shall ensure that within 3 months of the issuance of the Title V permit, the acceptable ranges for oil mist precipitator voltage in DC kilovolts and current in DC milliamps are recorded and kept on file. Thereafter, the oil mist precipitator shall be operated within the range of normal operating parameters for the equipment as established by the facility. (basis: Regulation 2-1-403)

8. In order to ensure the proper operation of the oil mist precipitator A46, the Owner/Operator shall ensure that the following items are inspected on at least a monthly basis. (basis: Regulation 2-1-403)
a. oil mist precipitator operating parameters including voltage and current
b. evidence of visible emissions of lubricating and rust preventative oils from the exhaust of the oil mist precipitator

9. In order to demonstrate compliance with part 3, the Owner/Operator shall keep monthly inspection records for each affected wet scrubber in a District approved log. These records shall include the following information for each unit inspected:

a. the time and date of each inspection
b. the name of the person conducting the inspection
c. the oil mist precipatator voltage versus the established range
d. the oil mist precipatator current versus the established current range
e. the results of each visible emissions check
f. any corrective action taken as a result of the inspection

All records shall be kept on-site and made available for District inspection for a period of five years from the date on which a record is made. (basis: Regulation 2-6-501)

Condition # 18544

For S293 THROUGH 297 - Emergency Standby Generators

1. Hours of Operation: the Owner/Operator shall ensure that each source is operated to mitigate emergency conditions or for reliability-related activities. Operation for reliability-related

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activities shall not exceed 100 hours in any calendar year. Operation while mitigating emergency conditions is unlimited. (Basis: Reg. 9-8-330)

"Emergency Conditions" is defined as any of the following: (Basis: Reg. 9-8-231)
a. Loss of regular natural gas supply.
b. Failure of regular electric power supply.
c. Flood mitigation.
d. Sewage overflow mitigation.
e. Fire.
f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.

"Reliability-related activities" is defined as any of the following: (Basis: Reg. 9-8-232)
a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
b. Operation of an emergency standby engine during maintenance of a primary motor.

2. The Owner/Operator shall ensure that each emergency standby engine is equipped with a non-resettable totalizing meter that measures and records the hours of operation for the engine. (Basis: Reg. 9-8-530)

3. Records: the Owner/Operator shall ensure that the following monthly records are maintained in a District-approved log for at least 5 years and shall be made available for District inspection upon request: (Basis: Reg. 9-8-530)
a. Total hours of operation for each source.
b. Hours of operation under emergency conditions for each source and a description of the nature of each emergency condition.
c. Fuel usage for each source.

4. The Owner/Operator shall ensure that S293 through 297 are fired exclusively on diesel fuel having sulfur content no greater than 0.5% by weight. The sulfur content of the fuel oil shall be certified by the fuel oil vendor. (Basis: Reg. 9-1-304)

Condition # 19380

For S299 - Diesel Fire Pump Packaged System, 2500 gpm with John Deere 6068 diesel engine, 240 HP

1. The Owner/Operator shall ensure that the Emergency Generator (S299) is fired exclusively on diesel fuel having sulfur content no greater than 0.05% by weight. The sulfur content of the fuel oil shall be certified by the fuel oil vendor. (Basis: BACT, Cumulative Increase)

2. Hours of Operation: the Owner/Operator shall ensure that S299 is only operated to mitigate emergency conditions or for reliability-related activities. Operation for reliability-related

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activities shall not exceed 26 hours in any calendar year. Operation while mitigating emergency conditions is unlimited. (Basis: Cumulative Increase)

"Emergency Conditions" is defined as any of the following: (Basis: Reg. 9-8-231)

a. Loss of regular natural gas supply.
b. Failure of regular electric power supply.
c. Flood mitigation.
d. Sewage overflow mitigation.
e. Fire.
f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.

"Reliability-related activities" is defined as any of the following: (Basis: Reg. 9-8-232)

a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or

b. Operation of an emergency standby engine during maintenance of a primary motor.

3. The Owner/Operator shall ensure that the emergency standby engine is equipped with a non-resettable totalizing meter that measures and records the hours of operation for the engine. (Basis: Reg. 9-8-530)

4. Records: the Owner/Operator shall ensure that the following monthly records are maintained in a District-approved log for at least 5 years and made available for District inspection upon request: (Basis: Reg. 9-8-530)
a. Total hours of operation.
b. Hours of operation under emergency conditions and a description of the nature of each emergency condition.
c. Fuel usage.

Condition # 20038

For S400 - CONTAMINATED SOILS (SWMUS) "OUT"

GENERAL

1. The owner/operator shall perform the remediation project in accordance with the "California Environmental Quality Act Initial Study for USS-POSCO Industries Soil Remediation/Unit I Corrective Action Management Unit, Pittsburg, California," dated June 2002. The Department of Toxic Substances Control (DTSC) prepared this document. Specific mitigation measures required by the BAAQMD include the "Mitigation Measures During Remedial Activity"

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contained in Section IV, Environmental Impact Analysis, Part 3, Air Quality, except the BAAQMD does not:

a. require the use of a safety officer.
b. limit personnel entrances into excavations.
c. limit access to construction area(s) to approved personnel with adequate protective equipment.
d. require air-monitoring equipment.

(basis: CEQA)

FUGITIVE PARTICULATE AND VISIBLE EMISSIONS

2. The owner/operator shall ensure that visible dust emissions from any operation of this project do not exceed 0.5 on Ringelmann chart, for a period or periods aggregating more than 3 minutes in any hour. The owner/operator shall also ensure that dust emissions do not result in fallout on non-USS-POSCO-owned adjacent property in any quantities as to cause annoyance to any person, or public nuisance per Regulation 1-301. This part shall not apply to an emission from an engine used to propel a motor vehicle.
(basis: BACT, Regulation 1-301)

3. The owner/operator shall ensure that trucks hauling material on-site are covered, and/or maintain a two-foot minimum freeboard, and/or have the top layer watered. If any one of these abatement techniques is not effective to comply with part #2, then the District will require additional control measures as deemed necessary by the District. (basis: BACT)

4. The owner/operator shall retain the following records in a District approved logbook. These records shall be kept on site for a period of at least 5 years from the date on which a record is made, and shall be made available to the District staff for inspection.
(basis: Cumulative increase}

a. Daily hours of operation at each Solid Waste Management Unit (SWMU).
b. Daily amount of material placed into a stockpile(s) at each SWMU.
c. Daily throughput of material removed from each SWMU
d. Daily number of trucks used to haul material from a SWMU to an off-site location.

Condition #20666

1. The OPW EVR Phase I Vapor Recovery System, including all associated plumbing and components, shall be operated and maintained in accordance with the most recent version of California Air Resources Board (CARB) Executive Order VR-102. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board. (District Regulation 8-7-301.2)

2. The owner or operator shall conduct and pass a Rotatable Adaptor Torque Test (CARB Test Procedure TP201.1B) and either a Drop Tube/Drain Valve Assembly Leak Test (TP201.1C) or, if

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operating drop tube overfill prevention devices ("flapper valves"), a Drop Tube Overfill Prevention Device and Spill Container Drain Valve Leak Test (TP201.1D) at least once in each 36- month period. Measured leak rates of each component shall not exceed the levels specified in VR-102. Results shall be submitted to BAAQMD within 15 days of the test date in a District-approved format. (District Regulation 8-7-301.2)

Condition #20780

General Conditions for Sources Abated by Baghouses/Dust Collectors: S97, S134, S166, S167, S168, and S176

1. The Owner/Operator shall ensure that each baghouse/dust collector is properly maintained and properly operated at all times that its associated PM emissions source(s) is/are in operation. (basis: Regulation 2-1-403)

2. The Owner/Operator shall ensure that within 6 months of the issuance of the Title V permit, each baghouse/dust collector is equipped with a magnahelic gauge or other approved device to measure the pressure drop across the filter bags. The pressure drop across the baghouse/dust collector shall be maintained within the range recommended by the manufacturer or normal operating range established by the facility. The established pressure drop range for each baghouse/dust collector shall be recorded and kept on file. (basis: Regulation 2-1-403)

3. In order to ensure the proper operation of each affected baghouse/dust collector, the Owner/Operator shall ensure that the following items are inspected on at least a monthly basis. (basis: Regulation 2-1-403)
   a. the measured pressure drop across the baghouse/dust collector is within the established pressure drop range
   b. evidence of visible particulate emissions from the exhaust of the baghouse/dust collector

4. If a baghouse/dust collector is found to be operating outside of the established pressure drop range or if there is evidence of visible particulate emissions from the exhaust of the baghouse/dust collector, the Owner/Operator shall conduct a visual inspection of the filter bags. Filter bags exhibiting holes, tearing, or significant wear shall be replaced. After any corrective action has been taken, the baghouse/dust collector shall be re-inspected in accordance with part 3. (basis: Regulation 2-1-403)

5. In order to demonstrate compliance with parts 3 and 4, the Owner/Operator shall keep monthly inspection records for each affected baghouse/dust collector in a District approved log. These records shall include the following information for each baghouse/dust collector:

   a. the time and date of each inspection
   b the name of the person conducting the inspection

VI. Permit Conditions

c. the measured pressure drop versus the established pressure drop range
d. the results of each visible particulate emissions check
e. the observed condition of the filter bags when a visual inspection is performed
f. any corrective action taken as a result of the inspection

All records shall be kept on-site and made available for District inspection for a period of five years from the date on which a record is made. (basis: Regulation 2-6-501)

Condition #20781

General Conditions for Sources Abated by Wet Scrubbers: S169, S173, S177, S180, and S181

1. The Owner/Operator shall ensure that each wet scrubber is properly maintained and properly operated at all times that its associated PM emissions source(s) is/are in operation. (basis: Regulation 2-1-403)

2. The Owner/Operator shall ensure that within 9 months of the issuance of the Title V permit, each wet scrubber is equipped with devices to measure the liquid flow rate and the gas stream pressure drop across the scrubber. If a demister is downstream of a scrubber, the Owner/Operator may consider the demister to be part of the wet scrubber and measure the gas stream pressure drop across the scrubber plus demister. Within 12 months of the issuance of the Title V permit, the acceptable ranges for scrubber liquid flow rate and gas stream pressure drop across the unit shall be recorded for each affected wet scrubber and kept on file. Thereafter, each scrubber shall be operated within the range of normal operating parameters for the equipment as established by the facility. (basis: Regulation 2-1-403)

3. In order to ensure the proper operation of each affected wet scrubber, the Owner/Operator shall ensure that the following items are inspected on at least a monthly basis. (basis: Regulation 2-1-403)
   a. scrubber operating parameters including liquid flow rate and gas stream pressure drop (following the installation of monitoring equipment in accordance with part 2)
   b. evidence of visible particulate emissions from the exhaust of the scrubber

4. In order to demonstrate compliance with part 3, the Owner/Operator shall keep monthly inspection records for each affected wet scrubber in a District approved log. These records shall include the following information for each unit inspected:

   a. the time and date of each inspection
   b. the name of the person conducting the inspection
   c. the liquid flow rate versus the established range
   d. the measured gas stream pressure drop versus the established pressure drop range
   e. the results of each visible particulate emissions check
   f. any corrective action taken as a result of the inspection

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All records shall be kept on-site and made available for District inspection for a period of five years from the date on which a record is made. (basis: Regulation 2-6-501)

Condition #20866

For S190, S195, S202, S206, S210, AND S215 - COLD CLEANERS
S305, S308, and S311, Cold Cleaners, System One, Model 570, 35 Gal
S317, Cold Cleaner, Inland Technology, Model IT48WC, 42 Gal

1. The Owner/Operator of Cold Cleaners S190, S195, S202, S206, S210, S215, S305, S308, S311, and S317 shall not exceed the following usage limit for each cleaner during any consecutive twelve-month period:

   Methylated Siloxane 40 gallons/year/cleaner
   (Basis: Cumulative Emissions)

2. The Owner/Operator of sources S190, S195, S202, S206, S210, S215, S305, S308, S311, and S317 may use solvent other than the material specified in Part 1 above, and/or usages in excess of those specified in Part 1 above, provided that the Owner Operator can demonstrate that all of the following are satisfied:

   a. S190, S195, S202, S206, S210, S215, S305, S308, S311, and S317 Cold Cleaners comply with Regulations 8-16-303.4 and 8-16-303.5;
   b. The total NPOC combined emissions from S190, S195, S202, S206, S210, S215, S305, S308, S311, and S317 do not exceed 3,160 pounds in any consecutive twelve-month period; and
   c. The use of these materials does not increase toxic emissions above any risk screening trigger level.

   (Basis: Cumulative Emissions)

3. To determine compliance with the above conditions, the Owner/Operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including the following information:

   a. Quantities of solvent used at each source on a monthly basis.
   b. If a material other than that specified in Part 1 above is used, NPOC and toxic component contents of each material used; and mass emission calculations to demonstrate compliance with Part 2, on a monthly basis,
   c. Monthly usage and/or emission calculations shall be totaled for each consecutive twelve-month period.

   (Basis: Cumulative Emissions)

Condition #21254

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For Source S171, Tandem Cold Mill, Abated by A29, Tandem Cold Mill Mist Eliminator

1. The Owner/Operator shall ensure that the centrifugal mist eliminator is properly maintained and properly operated at all times that its associated PM emissions source is in operation. (basis: Regulation 2-1-403)

2. The Owner/Operator shall ensure that within 9 months of the issuance of the Title V permit, the centrifugal mist eliminator is equipped with a devices to measure the inlet gas stream pressure. Within 12 months of the issuance of the Title V permit, the acceptable range for inlet gas stream pressure shall be recorded for the centrifugal mist eliminator and kept on file. Thereafter, the centrifugal mist eliminator shall be operated within the range of normal operating parameters for the equipment as established by the facility. (basis: Regulation 2-1-403)

3. In order to ensure the proper operation of the centrifugal mist eliminator, the Owner/Operator shall ensure that the following items are inspected on at least a monthly basis. (basis: Regulation 2-1-403)
   a. centrifugal mist eliminator operating parameters including inlet gas stream pressure (following the installation of monitoring equipment in accordance with part 2)
   b. evidence of visible particulate emissions from the exhaust of the centrifugal mist eliminator

4. In order to demonstrate compliance with part 3, the Owner/Operator shall keep monthly inspection records for the centrifugal mist eliminator in a District approved log. These records shall include the following information for each unit inspected:
   a. the time and date of each inspection
   b. the name of the person conducting the inspection
   c. the measured inlet gas stream pressure versus the established inlet pressure range
   d. the results of each visible particulate emissions check
   e. any corrective action taken as a result of the inspection

   All records shall be kept on-site and made available for District inspection for a period of five years from the date on which a record is made. (basis: Regulation 2-6-501)

Condition # 24278

For S158 (G6331) - GASOLINE DISPENSING ISLAND

The Owner/Operator shall ensure that this facility's annual gasoline throughput does not exceed 26,107 gallons in any consecutive 12 month period.
(Basis: Voluntary Limit)

Condition # 25272

VI. Permit Conditions

For S402 – Horizontal Electrostatic Coil Oiler

1. The owner/operator of S-402 shall not exceed 36,500 gallons of Steel Shield 6299 coating oil in any consecutive 12 month period. (Basis: Cumulative Increase)

2. The owner/operator of S-402 may use coatings other than the material specified in part 1, and/or usages in excess of those specified in part 1, provided that they can demonstrate that all of the following are satisfied:

   a. Total POC emissions do not exceed 0.383 tons in any consecutive twelve month period;

   b. Total NPOC emissions do not exceed 0.383 tons in any consecutive twelve month period;

   c. The use of these materials does not increase toxic emissions above any risk screening trigger levels. (Basis: Cumulative Increase, Emission Offsets, Toxic Risk Screen)

3. The owner/operator of S-402, to determine compliance with parts 1 and 2, shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts. Records include the following information:

   a. Type and monthly usage of all POC containing materials used

   b. Type and monthly usage of all NPOC containing materials used

   c. If a material other than those specified in part 1 is used, POC/NPOC and toxic component contents of each material used; and mass emission calculations to demonstrate compliance with part 2, on a monthly basis

   d. Monthly usage and/or emission calculations shall be totaled for each consecutive twelve-month period. All records shall be retained on-site for five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase, Emission Offsets, Toxic Risk Screen)

Condition # 25311 Compliance Assurance Monitoring (CAM) Permit Condition

For the following sources:

S178 Iron Oxide, Silo #1, S179 Iron Oxide Bagging Station, and S182 Iron Oxide, Silo #2

abated by

A34 Venturi Scrubber, A35 Silo #2 Baghouse, A38 Silo #1 Baghouse, and A40 Iron Oxide/HCL Plant Demister

1. The Owner/Operator shall use BAAQMD Manual of Procedures Volume I, Modified Method 9 to conduct visible emission on the above sources and their associated abatement

VI. Permit Conditions

devices at least once every week to ensure compliance with BAAQMD Regulation 6-1-301 [Basis: Regulation 6-1-601]:

2. The following definitions apply to the Compliance Assurance Monitoring plan for the source with associated abatement device mentioned above to assure compliance with BAAQMD Regulation 6:
   a. Exceedance is defined as any of the following events:
      (1) A pressure drop across A34 in inches of water column that is less than 6.0 inches or greater than 25.0 inches, or a scrubbing liquid flow rate that is less than 500 gallons or greater than 1000 gallons
      (2) A pressure drop across A35 in inches of water column that is less than 1.0 inches or greater than 4.0 inches
      (3) A pressure drop across A38 in inches of water column that is less than 1.0 inches or greater than 4.0 inches
      (4) A pressure drop across A40 in inches of water column that is less than 0.0 inches or greater than 2.0 inches.

   b. Excursion is defined as any 1 minute differential pressure manometer reading that meets the definition of exceedance. [Basis: 40 CFR Part 64.6(c)(2)]

3. The Owner/Operator shall equip A34, A35, A38, and A40 with differential pressure manometer gauges that measure the pressure drop across the abatement devices in inches of water column. The gauge shall have a minimum accuracy of 0.5 inches water column. The Owner/Operator shall equip A34 with a liquid flow meter that measures the liquid flow rate across A34 [Basis: 40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii)]

4. The indicator ranges that assure no visible emissions from the above sources and their associated abatement devices shall be

   a. Pressure drop 6.0 to 25.0 inches of water column across A34
   b. Scrubbing liquid flow rate 500 to 1000 gallons per minute through A34
   c. Pressure drop 1.0 to 4.0 inches of water column across A35
   d. Pressure drop 1.0 to 4.0 inches of water column across A38
   e. Pressure drop 0.0 to 2.0 inches of water column across A40

   [Basis: 40 CFR Part 64.4(a)]

5. The owner/operator of A34, A35, A38, and A40 shall take readings of the differential pressure manometers and liquid flow meter installed pursuant to Part 4 manually at least once per week. The pressure and liquid flow rate readings shall be recorded in a District-approved log on a weekly basis. [Basis: 40 CFR Part 64.3(b)(4)(iii)]

6. If an exceedance occurs at a manometer or a liquid flow rate meter installed at A34, A35, A38, or A40, the owner/operator shall determine the cause of the exceedance and if necessary restore operation of the above sources and their associated abatement devices to their normal

VI. Permit Conditions

or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. USS-POSCO must review the procedures used in response to an excursion or exceedance. If exceedances continue to occur, the District may require the owner/operator to develop and implement a Quality Improvement Plan (QIP). [Basis: 40 CFR Parts 64.6(c)(3), 64.7(d)(2), 64.8]

7. The manometer gauges and liquid flow rate meter installed at A34, A35, A38, and A40 shall be visually inspected prior to use and the owner/operator shall insure that the gauges and meter are calibrated on a quarterly basis. [Basis: 40 CFR Part 64.3(b)(3)]

8. The owner/operator of the above sources and their associated abatement devices shall submit a monitoring report to the District in accordance with 40 CFR Part 70.6(a)(3)(iii). The report shall include all of the following information:
   a. Summary information on the number, duration, and cause of excursions or exceedances and the corrective actions taken.

   b. Summary information on the number, duration, and cause for monitor downtime incidents
   [Basis: 40 CFR Part 64.6(c)(3) and 40 CFR Part 64.9(a)(2)]

9. The owner/operator shall inspect A34, A35, A38, and A40 based on the manufacturer's recommendations on a yearly basis. The owner/operator shall keep a record of all yearly inspections and any corrective action taken. (Basis: 40 CFR Part 64.6(c)(1)(iii))

10. The owner/operator shall keep the records of the pressure drops, scrubbing liquid flow rates, visible emission readings, calibrations, test results, excursions and exceedances required by the above conditions for at least 5 years and shall make the records available to District staff upon request. [Basis: Regulation 2-6-501 Recordkeeping]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown using the following codes: annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), hourly (H), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S43 #1 CONTINUOUS ANNEALING LINE – ANNEALING FURNACE
S70 - Annealing Furnace

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr		N	
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr		N	
FP	BAAQMD 6-1-310.3	N		0.15 gr/dscf @ 6% oxygen		N	
	SIP 6-310.3	Y		0.15 gr/dscf @ 6% oxygen		N	
SO2	BAAQMD Regulation 9-1-301	Y		ground level concentrations shall not exceed: 0.5 ppm for 3 consecutive minutes AND 0.25 ppm averaged over 60 consecutive minutes AND 0.05 ppm averaged over 24 hours		N	
	BAAQMD Regulation 9-1-302	Y		300 ppmdv		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S65 - #1 CONTINUOUS GALVANIZING LINE – ZINC COATING POT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr		N	
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr		N	
FP	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr		N	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr		N	
Arsenic and cadmium	BAAQMD 11-15-93107(c)(2)	N		< 0.002% arsenic and < 0.004% cadmium	BAAQMD 11-15-93107(e)(2)	P/Each batch	Vendor certification
Steel Through-put	BAAQMD Condition #7216, part I. 1	Y		218,776 tons/yr	BAAQMD Condition #7216, part I. 2	P/D	Record keeping

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S72 - #2 CONTINUOUS GALVANIZING LINE – ZINC COATING POT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr		N	
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S72 - #2 CONTINUOUS GALVANIZING LINE – ZINC COATING POT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr		N	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr		N	
Arsenic and cadmium	BAAQMD 11-15-93107(c)(2)	N		< 0.002% arsenic and < 0.004% cadmium	BAAQMD 11-15-93107(e)(2)	P/Each batch	Vendor certification

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S80 - #1 ELECTRO-TINNING LINE – PICKLING SECTION
S91 - #3 ELECTRO-TINNING LINE – PICKLING SECTION

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr		N	
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr		N	
FP	BAAQMD 6-1-310	N		0.15 gr/dscf		N	
	SIP 6-310	Y		0.15 gr/dscf		N	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S80 - #1 ELECTRO-TINNING LINE – PICKLING SECTION
S91 - #3 ELECTRO-TINNING LINE – PICKLING SECTION

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr		N	

Table VII - E
Applicable Limits and Compliance Monitoring Requirements
S82 - #1 ELECTRO-TINNING LINE – CHEMICAL TREATMENT SECTION
S93 - #3 ELECTRO-TINNING LINE – CHEMICAL TREATMENT SECTION
S155 - NO. 1 ELECTRO-TINNING (TIN FREE STEEL CELL)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD 11-8-93102(e)(2) plus (h)(4)	P/Weekly	Pressure drop monitoring
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD 11-8-93102(e)(2) plus (h)(4)	P/Weekly	Pressure drop monitoring
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD 11-8-93102(e)(2) plus (h)(4)	P/Weekly	Pressure drop monitoring
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD 11-8-93102(e)(2) plus (h)(4)	P/Weekly	Pressure drop monitoring
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD 11-8-93102(e)(2) plus (h)(4)	P/Weekly	Pressure drop monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - E
Applicable Limits and Compliance Monitoring Requirements
S82 - #1 ELECTRO-TINNING LINE – CHEMICAL TREATMENT SECTION
S93 - #3 ELECTRO-TINNING LINE – CHEMICAL TREATMENT SECTION
S155 - NO. 1 ELECTRO-TINNING (TIN FREE STEEL CELL)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD 11-8-93102(e)(2) plus (h)(4)	P/Weekly	Pressure drop monitoring
Hexavalent Chromium	BAAQMD 11-8-93102(c)(2)	Y		0.01 mg/dscm of air	BAAQMD 11-8-93102(e)(1) plus (h)(4)	P/Monthly	Ampere-hour meter
	BAAQMD 11-8-93102(c)(2)	Y		0.01 mg/dscm of air	BAAQMD 11-8-93102(e)(2) plus (h)(4)	P/Weekly	Pressure drop monitoring
	BAAQMD 11-8-93102(c)(2)	Y		0.01 mg/dscm of air	BAAQMD Condition #7579, part 3	P/Every two years	Source test
	BAAQMD Condition #7579, part 1	Y		0.0015 mg/amp-hr	BAAQMD Condition #7579, part 3	P/Every two years	Source test
	BAAQMD Condition #7579, part 1	Y		0.0015 mg/amp-hr	BAAQMD 11-8-93102(e)(2)	C	Pressure drop monitoring
Annual Amp-hr limit	BAAQMD Condition #7579, part 1c	Y		114.5 million amp-hr/12 months	BAAQMD 11-8-93102(h)(4)(A) and BAAQMD Condition #7579, part 6	C	Ampere-hour meter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S97 – TIN FINISHING – TIN ANODE CASTING POT
S134 – TERMINAL TREATMENT PLANT – LIME HANDLING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
		N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20780, part 3	P/M	Visual Observation
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20780, part 3	P/M	Visual Observation
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
		N		0.15 gr/dscf	BAAQMD Condition #20780, part 3	P/M	Visual Observation
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20780, part 3	P/M	Visual Observation

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S97 – TIN FINISHING – TIN ANODE CASTING POT
S134 – TERMINAL TREATMENT PLANT – LIME HANDLING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
		N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20780, part 3	P/M	Visual Observation
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20780, part 3	P/M	Visual Observation

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S130 – OIL SEPARATION UNIT AND
S133 – TERMINAL WATER TREATMENT PLANT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-112	Y		1.0 ppmv critical organic compounds	BAAQMD 8-8-502	P/6 months	Sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S149 – PAINT SHOP SPRAY BOOTH

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic compounds	BAAQMD 8-19-302	Y		275 grams/liter for baked coatings and 340 grams/liter for air-dried coatings	BAAQMD 8-19-501	P/W	Record keeping
	BAAQMD 8-19-312	Y		360 to 420 grams/liter for baked coatings and 420 grams/liter for air-dried coatings	BAAQMD 8-19-501	P/W	Record keeping
	BAAQMD 8-19-321	N		50 grams/liter for surface preparation solvent	BAAQMD 8-19-501	P/M	Record keeping
	BAAQMD 8-32-302	N		275 to 700 grams/liter for coatings	BAAQMD 8-32-501	P/M	Record keeping
	BAAQMD 8-32-303	N		480 to 700 grams/liter for coatings	BAAQMD 8-32-501	P/M	Record keeping
	BAAQMD 8-32-304	N		480 to 700 grams/liter for coatings	BAAQMD 8-32-501	P/M	Record keeping
	BAAQMD 8-45-301	N		250 to 780 grams/liter for coatings	BAAQMD 8-45-501	P/D for speciality coatings and P/W for other coatings	Record keeping
	BAAQMD 8-45-308	N		72 grams/liter for surface preparation solvent except 780 grams per liter if plastic parts	BAAQMD 8-45-501	P/M	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S158 – GASOLINE DISPENSING ISLAND

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gasoline Through-put	BAAQMD Condition # 24278	N		26,107 gallons per 12-month period	BAAQMD 8-7-503.1	P/A	Records
Through-put (exempt from Phase I)	BAAQMD 8-7-114	Y		1000 gallons per facility for tank integrity leak checking	BAAQMD 8-7-501 and 8-7-503.2	P/E	Records
Organic Com-pounds	BAAQMD 8-7-301.6	Y		All Phase I Equipment (except components with allowable leak rates) shall be leak free ($\leq$3 drops/minute) and vapor tight	BAAQMD 8-7-301.13 and 8-7-503.2	P/A	Static Pressure Performance Test, ST-30
Organic Com-pounds	BAAQMD Condition #20666 Part 2	Y		Drop tube/drain valve leak rate not to exceed 0.17 CFH @ 2" H_2O; minimum 360 degree rotation with maximum 108 pound-inch torque	BAAQMD 8-7-503.2 and BAAQMD Condition #20666 Part 2	P/3A	Drop tube/ drain valve leak test (CARB TP 201.1 C or 201.1D) and torque test (CARB TP 201.1B)

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
Applicable Limits and Compliance Monitoring Requirements
S166 - PICKLING LINE COIL PROCESSOR
S167 - PICKLING LINE BUTT WELDER
S168 - PICKLING LINE STRETCH LEVELER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	BAAQMD Condition #7216, part B. 4	Y		8640 hours per calendar year	BAAQMD Condition #7216, part N	P/M	Record keeping
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20780, part 3	P/M	Visual Observation
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20780, part 3	P/M	Visual Observation
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20780, part 3	P/M	Visual Observation
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
Applicable Limits and Compliance Monitoring Requirements
S166 - PICKLING LINE COIL PROCESSOR
S167 - PICKLING LINE BUTT WELDER
S168 - PICKLING LINE STRETCH LEVELER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20780, part 3	P/M	Visual Observation
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20780, part 3	P/M	Visual Observation
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20780, part 3	P/M	Visual Observation
PM10	BAAQMD Condition #7216, part B. 1	Y		0.670 lb/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S169 – ACID PICKLING LINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	BAAQMD Condition #7216, part C. 4	Y		8640 hours per calendar year	BAAQMD Condition #7216, part N	P/M	Record keeping
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S169 – ACID PICKLING LINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 2	P/M	Pressure Drop Inspection
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
PM10	BAAQMD Condition #7216, part C. 3	Y		0.506 lb/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
HCl	BAAQMD Condition #7216, part C. 3	Y		30 ppmv	BAAQMD Condition #7216, part L. 1	P/Annual	Source test
	BAAQMD Condition #7216, part J. 1	Y		9 tpy on a facility-wide basis	BAAQMD Condition #7216, part J. 2 and 3	P/Annual	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S171 – TANDEM COLD MILL

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	BAAQMD Condition #7216, part D. 3	Y		8640 hours per calendar year	BAAQMD Condition #7216, part N	P/M	Record keeping
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #21254, part 2, part 3	P/M	Inlet Pressure Inspection
	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #21254, part 3	P/M	Visual Observation
	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #21254, part 2, part 3	P/M	Inlet Pressure Inspection
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #21254, part 3	P/M	Visual Observation
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #21254, part 2, part 3	P/M	Inlet Pressure Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S171 – TANDEM COLD MILL

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #21254, part 3	P/M	Visual Observation
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #21254, part 2, part 3	P/M	Inlet Pressure Inspection
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #21254, part 3	P/M	Visual Observation
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #21254, part 2, part 3	P/M	Inlet Pressure Inspection
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #21254, part 3	P/M	Visual Observation
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S171 – TANDEM COLD MILL

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #21254, part 2, part 3	P/M	Inlet Pressure Inspection
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #21254, part 3	P/M	Visual Observation
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
PM10	BAAQMD Condition #7216, part D. 4	Y		1.642 lb/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
Organic compounds	BAAQMD 8-2-301	Y		Not more than 15 lbs/day VOC and not more than 300 ppmdv as C1 (either but not both can be exceeded)	BAAQMD Condition #7216, parts M. 1 and 2	P/5 years	Source test
	BAAQMD Condition #7216, part D. 1	Y		Maximum of 0.3 % VOC by weight	BAAQMD Condition #7216, part D. 2	P/E	Record keeping
	BAAQMD Condition #7216, part D. 4	Y		2.42 lb/hr VOC	BAAQMD Condition #7216, parts M. 1 and 2	P/5 years	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - M
Applicable Limits and Compliance Monitoring Requirements
S173 - HCD ALKALINE CLEANER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20781, part 3	P/M	Visual Observation

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - M
Applicable Limits and Compliance Monitoring Requirements
S173 - HCD ALKALINE CLEANER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - M
Applicable Limits and Compliance Monitoring Requirements
S173 - HCD ALKALINE CLEANER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
PM10	BAAQMD Condition #7216, part E. 1	Y		0.035 lb/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test

Table VII - N
Applicable Limits and Compliance Monitoring Requirements
S174 - KM CONTINUOUS ANNEALING FURNACE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr		N	
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr		N	
FP	BAAQMD 6-1-310.3	N		0.15 gr/dscf @ 6% oxygen		N	
	SIP 6-310.3	Y		0.15 gr/dscf @ 6% oxygen		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - N
Applicable Limits and Compliance Monitoring Requirements
S174 - KM CONTINUOUS ANNEALING FURNACE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Regulation 9-1-301	Y		ground level concentrations shall not exceed: 0.5 ppm for 3 consecutive minutes AND 0.25 ppm averaged over 60 consecutive minutes AND 0.05 ppm averaged over 24 hours		N	
	BAAQMD Regulation 9-1-302	Y		300 ppmdv		N	
NOx	BAAQMD Condition #7216, part F. 1	Y		Not to exceed 100 lbs/day from S174 plus S177	BAAQMD Condition #7216, part F. 2	C	CEMs
	BAAQMD Condition #7216, part F. 4	Y		Not to exceed, except during cold startup and furnace idling, 10 ppm at 3% oxygen or 18 ppmv at 3% oxygen at a heat input level less than 50 kscf/hr or 90% reduction by weight or 82% reduction by weight at a heat input level less than 50 kscf/hr	BAAQMD Condition #7216, part F. 2	C	CEMs

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - O
Applicable Limits and Compliance Monitoring Requirements
S176 - ROLL ETCH MACHINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	BAAQMD Condition #7216, part H. 3	Y		8640 hours per calendar year	BAAQMD Condition #7216, part N	P/M	Record keeping
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20780, part 3	P/M	Visual Observation
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20780, part 3	P/M	Visual Observation
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20780, part 3	P/M	Visual Observation
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - O
Applicable Limits and Compliance Monitoring Requirements
S176 - ROLL ETCH MACHINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20780, part 3	P/M	Visual Observation
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20780, part 3	P/M	Visual Observation
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20780, part 3	P/M	Visual Observation
PM10	BAAQMD Condition #7216, part H. 2	Y		0.01 grain/dscf	BAAQMD Condition #20780, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD Condition #7216, part H. 2	Y		0.01 grain/dscf	BAAQMD Condition #20780, part 3	P/M	Visual Observation
	BAAQMD Condition #7216, part H. 2	Y		0.01 grain/dscf	BAAQMD Condition #7216, part K. 3	P/5 years	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
S177 - IRON OXIDE PRODUCTION ROASTER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	BAAQMD Condition #7216, part G. 9	Y		8640 hours per calendar year	BAAQMD Condition #7216, part N	P/A	Record keeping
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
S177 - IRON OXIDE PRODUCTION ROASTER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
S177 - IRON OXIDE PRODUCTION ROASTER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
PM10	BAAQMD Condition #7216, part G. 10	Y		0.46 lbs/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
SO2	BAAQMD Regulation 9-1-301	Y		ground level concentrations shall not exceed: 0.5 ppm for 3 consecutive minutes AND 0.25 ppm averaged over 60 consecutive minutes AND 0.05 ppm averaged over 24 hours		N	
	BAAQMD Regulation 9-1-302	Y		300 ppmdv		N	
NOx	BAAQMD Condition #7216, part G. 1	Y		Not to exceed 100 lbs/day from S174 plus S177	BAAQMD Condition #7216, part G. 2	C	CEMs

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
S177 - IRON OXIDE PRODUCTION ROASTER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HCl	BAAQMD Condition #7216, part G. 5	Y		2 ppmv	BAAQMD Condition #7216, part L. 1	P/2 1/2 years	Source test
	BAAQMD Condition #7216, part J. 1	Y		9 tpy on a facility-wide basis	BAAQMD Condition #7216, part J. 2 and 3	P/2 1/2 years	Source test

Table VII - Q
Applicable Limits and Compliance Monitoring Requirements
S178 - IRON OXIDE SILO #1
S179 - IRON OXIDE BAGGING STATION
S182 - IRON OXIDE SILO #2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	BAAQMD Condition #7216, part G. 9	Y		8640 hours per calendar year	BAAQMD Condition #7216, part N	P/M	Record keeping
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD CAM Condition #25311, part 5	P/W	Pressure Drop/Liquid Flow Rate Inspection
		N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD CAM Condition #25311, part 1	P/W	Visual Observation

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Q
Applicable Limits and Compliance Monitoring Requirements
S178 - IRON OXIDE SILO #1
S179 - IRON OXIDE BAGGING STATION
S182 - IRON OXIDE SILO #2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
		N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #7216, part L. 1	P/5 years	Source test
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD CAM Condition #25311, part 5	P/W	Pressure Drop/Liquid Flow Rate Inspection
		Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD CAM Condition #25311, part 1	P/W	Visual Observation
		Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #7216, part L. 1	P/5 years	Source test
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD CAM Condition #25311, part 5	P/W	Pressure Drop/Liquid Flow Rate Inspection
		N		0.15 gr/dscf	BAAQMD CAM Condition #25311, part 1	P/W	Visual Observation
		N		0.15 gr/dscf	BAAQMD Condition #7216, part L. 1	P/5 years	Source test
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD CAM Condition #25311, part 5	P/W	Pressure Drop/Liquid Flow Rate Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Q
Applicable Limits and Compliance Monitoring Requirements
S178 - IRON OXIDE SILO #1
S179 - IRON OXIDE BAGGING STATION
S182 - IRON OXIDE SILO #2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
		Y		0.15 gr/dscf	BAAQMD CAM Condition #25311, part 1	P/W	Visual Observation
		Y		0.15 gr/dscf	BAAQMD Condition #7216, part L. 1	P/5 years	Source test
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD CAM Condition #25311, part 5	P/W	Pressure Drop/Liquid Flow Rate Inspection
		N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD CAM Condition #25311, part 1	P/W	Visual Observation
		N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #7216, part L. 1	P/5 years	Source test
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD CAM Condition #25311, part 5	P/W	Pressure Drop/Liquid Flow Rate Inspection
		Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD CAM Condition #25311, part 1	P/W	Visual Observation
		Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #7216, part L. 1	P/5 years	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Q
Applicable Limits and Compliance Monitoring Requirements
S178 - IRON OXIDE SILO #1
S179 - IRON OXIDE BAGGING STATION
S182 - IRON OXIDE SILO #2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM10	BAAQMD Condition #7216, part G. 10	Y		0.46 lbs/hr	BAAQMD Condition #7216, part K. 3	P/5 years	Source test
HCl	BAAQMD Condition #7216, part G. 5	Y		2 ppmv	BAAQMD Condition #7216, part L. 1	P/2 1/2 years	Source test
	BAAQMD Condition #7216, part J. 1	Y		9 tpy on a facility-wide basis	BAAQMD Condition #7216, part J. 2 and 3	P/2 1/2 years	Source test

Table VII - R
Applicable Limits and Compliance Monitoring Requirements
S180 - ACID GAS ADSORBER #1
S181 - ACID GAS ADSORBER #2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	BAAQMD Condition #7216, part G. 9	Y		8640 hours per calendar year	BAAQMD Condition #7216, part N	P/M	Record keeping
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - R
Applicable Limits and Compliance Monitoring Requirements
S180 - ACID GAS ADSORBER #1
S181 - ACID GAS ADSORBER #2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #7216, part K3	P/5 years	Source test
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #7216, part K3	P/5 years	Source test
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #7216, part K3	P/5 years	Source test
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - R
Applicable Limits and Compliance Monitoring Requirements
S180 - ACID GAS ADSORBER #1
S181 - ACID GAS ADSORBER #2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #7216, part K3	P/5 years	Source test
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #7216, part K3	P/5 years	Source test
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 2, part 3	P/M	Pressure Drop Inspection
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #20781, part 3	P/M	Visual Observation
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #7216, part K3	P/5 years	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - R
Applicable Limits and Compliance Monitoring Requirements
S180 - ACID GAS ADSORBER #1
S181 - ACID GAS ADSORBER #2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM10	BAAQMD Condition #7216, part G. 10	Y		0.46 lbs/hr	BAAQMD Condition #7216, part K3	P/5 years	Source test
HCl	BAAQMD Condition #7216, part G. 5	Y		2 ppmv	BAAQMD Condition #7216, part L. 1	P/2 1/2 years	Source test
	BAAQMD Condition #7216, part J. 1	Y		9 tpy on a facility-wide basis	BAAQMD Condition #7216, part J. 2 and 3	P/2 1/2 years	Source test

Table VII - S
Applicable Limits and Compliance Monitoring Requirements
S190, S195, S202, S206, S210, S215, S305, S308, S311, AND S317 - COLD CLEANERS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic com-pounds	BAAQMD Condition #20866, part 1	Y		Net solvent usage of Methylated Siloxane not to exceed 40 gallons per 12 months	BAAQMD Condition #20866, part 3	P/M	Record keeping
	BAAQMD Condition #20866, part 2	Y		Allowed usage of other solvents provided NPOC emissions each less than 3,792 pounds per 12 months	BAAQMD Condition #20866, part 3	P/M	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - T
Applicable Limits and Compliance Monitoring Requirements
S286 - #1 CRU Evaporator - TFS Operation
S287 - #2 CRU Evaporator - ETL Lines

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #12194, part 3	P/M	Temperature and Pressure Drop Inspection
	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #12194, part 3	P/M	Visual Observation
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #12194, part 3	P/M	Temperature and Pressure Drop Inspection
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #12194, part 3	P/M	Visual Observation
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #12194, part 3	P/M	Temperature and Pressure Drop Inspection
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #12194, part 3	P/M	Visual Observation
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #12194, part 3	P/M	Temperature and Pressure Drop Inspection
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #12194, part 3	P/M	Visual Observation

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - T
Applicable Limits and Compliance Monitoring Requirements
S286 - #1 CRU Evaporator - TFS Operation
S287 - #2 CRU Evaporator - ETL Lines

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #12194, part 3	P/M	Temperature and Pressure Drop Inspection
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #12194, part 3	P/M	Visual Observation
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #12194, part 3	P/M	Temperature and Pressure Drop Inspection
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #12194, part 3	P/M	Visual Observation
Hexa-valent chromium	BAAQMD Condition #12194, part 1	Y		0.87 lbs/yr	BAAQMD Condition #12194, part 3	P/M	Recordkeeping
	BAAQMD Condition #12194, part 1	Y		0.87 lbs/yr	BAAQMD Condition #12194, part 2	P/2 years	Source test

Table VII - U
Applicable Limits and Compliance Monitoring Requirements
S290 - #2 Continuous Galvanize Line-Strip Stenciller

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic com-pounds	BAAQMD 8-4-302.1	Y		5 tpy of POC plus NPOC	BAAQMD 8-4-501	P/Annual	Recordkeeping
	BAAQMD Condition #13634, part 1	Y		Combined net usage with S289 of: 900 gpy Matthews ink 60 gpy Pannier ink 5 gpy Marsh dye 60 gpy Matthews cleaner 180 gpy Pannier solvent	BAAQMD Condition #13634, part 3	P/Q	Recordkeeping
	BAAQMD Condition #13634, part 2	Y		Optional emission allowance of 7,800 lbs/yr with S289	BAAQMD Condition #13634, part 3	P/Q	Recordkeeping

Table VII - V
Applicable Limits and Compliance Monitoring Requirements
S292 - KMCAL Horizontal Electrostatic Oiler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic com-pounds	BAAQMD 8-11-303	Y		Not more than 1.7 lb VOC/gal OR	BAAQMD 8-11-501	P/Daily	Recordkeeping
	BAAQMD 8-11-304	Y		Abatement to no more than 1.0 lb VOC/gal and abatement device efficiency of at least 90%	BAAQMD 8-11-501	P/Daily	Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - V
Applicable Limits and Compliance Monitoring Requirements
S292 - KMCAL Horizontal Electrostatic Oiler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 8-11-304	Y		Abatement to no more than 1.0 lb VOC/gal and abatement device efficiency of at least 90%	BAAQMD Condition #16682, part 8	P/M	Voltage and current monitoring
	BAAQMD 8-11-304	Y		Abatement to no more than 1.0 lb VOC/gal and abatement device efficiency of at least 90%	BAAQMD Condition #16682, part 8	P/M	Visual Observation
	BAAQMD Condition #16682, part 3	Y		Control to no more than 0.05 lb/gal	BAAQMD Condition #16682, part 5	P/2 years	Source test
	BAAQMD Condition #16682, part 3	Y		Control to no more than 0.05 lb/gal	BAAQMD Condition #16682, part 8	P/M	Voltage and current monitoring
	BAAQMD Condition #16682, part 3	Y		Control to no more than 0.05 lb/gal	BAAQMD Condition #16682, part 8	P/M	Visual Observation
	BAAQMD Condition #16682, part 1	Y		Combined net usage of: 35,000 gpy Ferrocote EGL 12,000 gpy Ferrocote HCL	BAAQMD Condition #16682, part 4	P/M	Recordkeeping
	BAAQMD Condition #16682, part 2	Y for POC		Optional emission allowance of 1.175 tpy each for POC and NPOC	BAAQMD Condition #16682, part 4	P/M	Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - V
Applicable Limits and Compliance Monitoring Requirements
S292 - KMCAL Horizontal Electrostatic Oiler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition #16682, part 2	Y		Optional emission allowance of 1.175 tpy each for POC and NPOC	BAAQMD Condition #16682, part 5	P/2 years	Source test

Table VII - W
Applicable Limits and Compliance Monitoring Requirements
S293 - Emergency Standby Generator-TWTP, diesel fueled
S294 - Emergency Standby Generator-KMCAL, diesel fueled
S295 - Emergency Generator-Filter Plant, diesel fueled
S296 - Standby Generator - #2 CC Line, diesel fueled
S297 - Emergency Standby Generator-Computer Bldg, diesel fueled

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-303	N		Ringelmann No. 2 for < 3 minutes/hour		N	
	SIP 6-1-303	Y		Ringelmann No. 2 for < 3 minutes/hour		N	
FP	BAAQMD Regulation 6-1-310	N		$\leq$ 0.15 grains/dscf		N	
	SIP 6-310	Y		0.15 gr/dscf		N	
SO_2	BAAQMD Regulation 9-1-301	N		Property Line Ground Level Limits: $\leq$ 0.5 ppm for 3 minutes and $\leq$ 0.25 ppm for 60 min. and $\leq$0.05 ppm for 24 hours		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - W
Applicable Limits and Compliance Monitoring Requirements
S293 - Emergency Standby Generator-TWTP, diesel fueled
S294 - Emergency Standby Generator-KMCAL, diesel fueled
S295 - Emergency Generator-Filter Plant, diesel fueled
S296 - Standby Generator - #2 CC Line, diesel fueled
S297 - Emergency Standby Generator-Computer Bldg, diesel fueled

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO_2	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Limit: 0.5%	BAAQMD Condition # 18554, Part 4	P/E	Vendor certification
Operating Hours	BAAQMD Regulation 9-8-330.2 and BAAQMD Condition # 18544, Part 1	N		Operating Hours for Reliability-Related Activities: $\leq$ 100 hours in a calendar year	BAAQMD Regulation 9-8-530 and BAAQMD Condition # 18554, Parts 2 and 3a	P/C, M	Meter to record operating hours

Table VII - X
Applicable Limits and Compliance Monitoring Requirements
S299 - Diesel Fire Pump Packaged System, 2500 gpm, diesel fueled

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-303	N		Ringelmann No. 2 for < 3 minutes/hour		N	
	SIP 6-303	Y		Ringelmann No. 2 for < 3 minutes/hour		N	
FP	BAAQMD Regulation 6-1-310	N		$\leq$ 0.15 grains/dscf		N	
	SIP 6-310	Y		0.15 gr/dscf		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - X
Applicable Limits and Compliance Monitoring Requirements
S299 - Diesel Fire Pump Packaged System, 2500 gpm, diesel fueled

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO_2	BAAQMD Regulation 9-1-301	Y		Property Line Ground Level Limits: $\leq$ 0.5 ppm for 3 minutes and $\leq$ 0.25 ppm for 60 min. and $\leq$0.05 ppm for 24 hours		N	
SO_2	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Limit: 0.5%	BAAQMD Condition # 19380, Part 1	P/E	Vendor certification
		Y		Fuel Sulfur Limit: 0.05%	BAAQMD Condition # 19380, Part 1	P/E	Vendor certification
Operating Hours	BAAQMD Regulation 9-8-330.2 and BAAQMD Condition # 19380, Part 2	N		Operating Hours for Reliability-Related Activities: $\leq$ 26 hours in a calendar year	BAAQMD Regulation 9-8-530 and BAAQMD Condition # 19380, Parts 3 and 4a	P/C, M	Meter to record operating hours

Table VII - Y
Applicable Limits and Compliance Monitoring Requirements
S400 - Contaminated Soils (SWMUs) – "Out"

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Y
Applicable Limits and Compliance Monitoring Requirements
S400 - Contaminated Soils (SWMUs) – "Out"

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann No. 1 for < 3 minutes/hour		N	
	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr		N	
	BAAQMD Condition# 20038, Part 2	Y		Ringelmann No. 0.5 for < 3 minutes/hour		N	

Table VII - Z
Applicable Limits and Compliance Monitoring Requirements
S402 - Horizontal Electrostatic Oiler, Peabody HO LBO 609

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic com-pounds	BAAQMD 8-11-303	Y		Not more than 1.7 lb VOC/gal OR	BAAQMD 8-11-501	P/Daily	Recordkeeping
	BAAQMD 8-11-304	Y		Abatement to no more than 1.0 lb VOC/gal and abatement device efficiency of at least 90%	BAAQMD 8-11-501	P/Daily	Recordkeeping
	BAAQMD Condition #25272, part 1	Y		net usage of: 36,500 gpy Steel Shield 6299 coating oil	BAAQMD Condition #252722, part 3	P/M	Recordkeeping
	BAAQMD Condition #25272, part 2	Y for POC		Optional emission allowance of 0.383 tpy each for POC and NPOC	BAAQMD Condition #25272, part 3	P/M	Recordkeeping

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits included in Section VII, Applicable Limits & Compliance Monitoring Requirements, of this permit.

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 6-1-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 8-1-110.3	Exemption, Process Subject to Regulation 8, Rule 2 or 4	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling or EPA Method 25, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer or 25A, Determination of Total Gaseous Organic Concentration Using a Nondispersive Infrared Analyzer
BAAQMD 8-4-112	Exemption, Organic Diluents	Manual of Procedures, Volume III, Method 9, Determination of Compliance of Solvents, Coatings, and Related Products
BAAQMD 8-4-302	Limitation on Solvents and Surface Coatings (3/17/82)	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8-7-301.1	Phase I Requirements	Manual of Procedures, Volume III, Method 13, Determination of the Reid Vapor Pressure of Petroleum Products
BAAQMD 8-7-301.2	Phase I Requirements	Manual of Procedures, Volume IV, ST-36, Gasoline Dispensing Facility Phase I Volumetric Efficiency or CARB Test Procedure TP-201.1
BAAQMD 8-7-301.6	Phase I Requirements	Manual of Procedures, Volume IV, ST-30, Gasoline Vapor Recovery Leak Test Procedure or CARB Test Procedure TP-201.3 (underground talks)
BAAQMD 8-7-311	Exempt Tank Requirements	Manual of Procedures, Volume III, Method 13, Determination of the Reid Vapor Pressure of Petroleum Products

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-7-312	Removal of Gasoline	Manual of Procedures, Volume III, Method 13, Determination of the Reid Vapor Pressure of Petroleum Products
BAAQMD 8-7-404	Certification of New Installations	Manual of Procedures, Volume IV, ST-27, Gasoline Dispensing Facility Dynamic Back Pressure
BAAQMD 8-8-112	Exemption, Wastewater Critical OC Concentration. and/or Temperature	Manual of Procedures, Volume III, Method 33, Determination of Dissolved Critical Volatile Organic Compounds in Wastewater Separators
BAAQMD 8-8-303	Gauging and Sampling Devices	EPA Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-8-305.2	Oil-water Separator and/or Air Flotation Unit Slop Oil Vessels	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling or EPA Method 25, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer or 25A, Determination of Total Gaseous Organic Concentration Using a Nondispersive Infrared Analyzer
BAAQMD 8-16-114	Exemption, Emulsion or Solution Cleaners	Manual of Procedures, Volume III, Method 31, Determination of Precursor Organic Compounds in Paint Strippers for Aerospace Assembly and Component Coating Operations
BAAQMD 8-16-205	Compounds with Low Volatility	ASTM D-1078-78, Standard Test Method for Distillation Range of Volatile Organic Liquids
BAAQMD 8-16-303.1.4	Waste Solvent Residues	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD 8-19-210	Pretreatment Wash Primer	ASTM Method D-1613-85, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products
BAAQMD 8-19-302	Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume III, Method 31, Determination of Volatile Organic Compounds in Paint Strippers, Solvent Cleaners and Low Solids Coatings

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-19-312	Specialty Coating Limitations	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD 8-19-313	Spray Application Equipment Limitations	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or EPA Method 25, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer or 25A, Determination of Total Gaseous Organic Concentration Using a Nondispersive Infrared Analyzer
BAAQMD 8-19-321	Surface Preparation Standards	Manual of Procedures, Volume III, Method 31, Determination of Volatile Organic Compounds in Paint Strippers, Solvent Cleaners and Low Solids coatings
BAAQMD 8-32-302 through 8-32-304	VOC Content Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume III, Method 31, Determination of Volatile Organic Compounds in Paint Strippers, Solvent Cleaners and Low Solids coatings Manual of Procedures, Volume III, Method 41, Determination of Volatile Organic Compounds in Solvent Based Coatings and Related Materials Containing Parachlorobenzotrifluoride

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-45-301	VOC Content Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume III, Method 41, Determination of Volatile Organic Compounds in Solvent Based Coatings and Related Materials Containing Parachlorobenzotrifluoride Manual of Procedures, Volume III, Method 43, Determination of Volatile Methylsiloxanes in Solvent Based Coatings, Inks and Related Materials
BAAQMD 8-45-308.4	Surface Preparation Standards	Manual of Procedures, Volume III, Method 31, Determination of Volatile Organic Compounds in Paint Strippers, Solvent Cleaners and Low Solids coatings
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 11-8-403	Demonstration of Compliance, Hexavalent Chrome Plating Standard	Manual of Procedures, Volume IV, ST-35, Total and Hexavalent Chromium
BAAQMD 11-8-404	Initial Demonstration of Compliance, Hexavalent Chrome Plating Standard	Manual of Procedures, Volume IV, ST-35, Total and Hexavalent Chromium
BAAQMD Condition #7216, Part L. 1	HCl Emission Concentration Determination	EPA Method 26A, "Determination of Hydrogen Halide and Halogen Emissions from Stationary Sources – Isokinetic Method
BAAQMD Condition #20666, Part 2	Limited Leakage	CARB Test Procedure TP-201.1B and TP-201.1C or TP-201.1D

IX. PERMIT SHIELD

Not applicable

X. REVISION HISTORY

Proposed Title V Permit: **October 9, 2003**
Final Title V Permit (Application No. 27726): **December 1, 2003**

Renewal Title V Permit (Application No. 18038) **December 21, 2012**

- Added S317 permitted under AN 16047
- Added S402 permitted under AN 24291
- Changed permit condition 7216 to update line-haul rail emission factors and rail fuel usage factors. Removed daily cargo carrier recordkeeping and emission calculation requirements
- Changed permit condition 7216, part F4
- Changed permit condition 7579
- Changed the throughput limit in permit condition 24278
- Added permit condition 20666 for the OPW EVR Phase I system of S158
- Added CAM condition 25311 for S178, S179, and S182

XI. GLOSSARY

ACT
Federal Clean Air Act

APCO
Air Pollution Control Officer

ARB
Air Resources Board

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

Basis
The underlying authority that allows the District to impose requirements.

C5
An Organic chemical compound with five carbon atoms

C6
An Organic chemical compound with six carbon atoms

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAM
Compliance Assurance Monitoring per 40 CFR, Part 64

CAPCOA
California Air Pollution Control Officers Association

CEQA
California Environmental Quality Act

CEM
A "continuous emission monitor" is a monitoring device that provides a continuous direct measurement of some pollutant (e.g. NOx concentration) in an exhaust stream.

CFR
The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO
Carbon Monoxide

CO2
Carbon Dioxide

Cumulative Increase
The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

DC
Direct Current

DWT
Dead Weight Ton

District
The Bay Area Air Quality Management District

dscf
Dry Standard Cubic Feet

dscm
Dry Standard Cubic Meter

E 6, E 9, E 12
Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals (4.53) x (10^6) = (4.53) x (10 x 10 x 10 x 10 x 10 x 10) = 4,530,000. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District Regulations.

Federally Enforceable, FE
All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part

52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP
Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

FR
Federal Register

GDF
Gasoline Dispensing Facility

GLM
Ground Level Monitor

grains
1/7000 of a pound

HAP
Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by 40 CFR Part 63.

H2S
Hydrogen Sulfide

H2SO4
Sulfuric Acid

Hg
Mercury

HHV
Higher Heating Value. The quantity of heat evolved as determined by a calorimeter where the combustion products are cooled to 60F and all water vapor is condensed to liquid.

LHV
Lower Heating Value. Similar to the higher heating value (see HHV) except that the water produced by the combustion is not condensed but retained as vapor at 60F.

Major Facility
A facility with potential emissions of: (1) at least 100 tons per year of any regulated air pollutant, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

MFR

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MOP
The District's Manual of Procedures

MSDS
Material Safety Data Sheet

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

NESHAPs
National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63.

NMHC
Non-methane Hydrocarbons

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx
Oxides of nitrogen.

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by 40 CFR Part 60 and District Regulation 10.

NSR
New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O2
The chemical name for naturally-occurring oxygen gas.

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

Phase II Acid Rain Facility
A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from Titles IV and V of the Clean Air Act.

POC
Precursor Organic Compounds

PM
Total Particulate Matter

PM10
Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

SCR
A "selective catalytic reduction" unit is an abatement device that reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

SIP
State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SO2
Sulfur dioxide

SO3
Sulfur trioxide

THC
Total Hydrocarbons (NMHC + Methane)

therm
100,000 British Thermal Unit

Title V
Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TOC
Total Organic Compounds (NMOC + Methane, Same as THC)

TRMP
Toxic Risk Management Plan

TRS
"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS content of a fuel gas determines the concentration of SO2 that will be present in the combusted fuel gas, since sulfur compounds are converted to SO2 by the combustion process.

TSP
Total Suspended Particulate

TVP
True Vapor Pressure

TWTP
Terminal Water Treatment Plant

VOC
Volatile Organic Compounds

Units of Measure:

bbl	=	barrel of liquid (42 gallons)
bhp	=	brake-horsepower
btu	=	British Thermal Unit
C	=	degrees Celsius
F	=	degrees Fahrenheit
f^3	=	cubic feet
g	=	grams
gal	=	gallon
gpd	=	gallons per day
gph	=	gallons per hour
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
kgtm	=	1000 gross ton miles

max	=	maximum
m^2	=	square meter
min	=	minute
M	=	thousand
Mg	=	mega-gram, one thousand grams
□g	=	micro-gram, one millionth of a gram
MM	=	million
mm	=	millimeter
MMbtu	=	million btu
mm Hg	=	millimeters of Mercury (pressure)
MW	=	megawatts
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfh	=	standard cubic feet per hour
scfm	=	standard cubic feet per minute
tph	=	tons per hour
yr	=	year

Symbols:

<	=	less than
>	=	greater than
≤	=	less than or equal to
≥	=	greater than or equal to