



South Coast Air Quality Management District

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

December 12, 2013

Mr. Gerardo C. Rios
Chief, Permits Office
U.S. EPA Region IX AIR 3
75 Hawthorne Street
San Francisco, CA 94105-3901

Dear Mr. Rios:

Subject: TAMCO No. 018931
Title V/RECLAIM Permit Revision (A/N 554503)

TAMCO (ID 018931) has proposed to revise their Title V/RECLAIM permit by addition of an internal combustion engine (ICE) to power a magnet used to move material around the facility. The changes are summarized below:

Equipment	Device No.	Application No.	Permit Type
I.C.E.	D92	554502	PO

TAMCO produces reinforcing bars from scrap metal and is located at 12459-B Arrow Route, Rancho Cucamonga, CA. The proposed permit revision is a "de minimis significant permit revision" to their Title V Permit. Attached for your review are the evaluation and proposed permit for this revision. With your expected receipt of the proposed Title V permit revision today, we note that the EPA 45-day review period begins on December 12, 2013.

If you have any questions or need additional information regarding the proposed permit revision, please contact Mr. Richard H. Hawrylew at (909) 396-2657.

Sincerely,

Mohan Balagopalan
Senior Manager
Chemical, Mechanical, and Ports Permitting

MB:rh
Enclosure

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES	PAGE
	9	1
ENGINEERING AND COMPLIANCE DIVISION	APPL. NO.	DATE
	See below	12-11-13
APPLICATION PROCESSING AND CALCULATIONS	PROCESSOR	REVIEWER
	RHH	

PERMIT TO CONSTRUCT/OPERATE ANALYSIS

FACILITY MAILING ADDRESS

TAMCO
P.O. Box 325
Rancho Cucamonga, CA 91739

EQUIPMENT LOCATION

TAMCO
12459-B Arrow Route
Rancho Cucamonga, CA 91739
(ID# 018931, Title V, NOx/SOx RECLAIM facility)

EQUIPMENT DESCRIPTION

A/N 554502

New

D(new) - I.C. ENGINE, NON-EMERGENCY, ELECTRIC GENERATOR, DIESEL FUEL, KUBOTA, MODEL NO. V3800-DI-T-ET02, FOUR STROKE, 4 CYLINDERS, WITH TURBOCHARGER, AND COOLED EXHAUST GAS RECIRCULATION (EGR) SYSTEM, 99.2-HP, TO POWER A MAGNET ON A MOBILE CRANE.

A/N 554503

RECLAIM/TITLE V PERMIT REVISION

This application is for the purpose of incorporating the changes to the RECLAIM/Title V permit described in this report.

HISTORY

The subject applications have a validated receipt date of 7/24/13.

A/N 554502 was submitted as a Permit to Construct (P/C), for an on-site portable, non-emergency, I.C. Engine, that will be used to generate electricity to power a magnet on a mobile crane that will be used to move product around the facility. Upon further review of the application submittal

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES	PAGE
	9	2
ENGINEERING AND COMPLIANCE DIVISION	APPL. NO.	DATE
	See below	12-11-13
APPLICATION PROCESSING AND CALCULATIONS	PROCESSOR	REVIEWER
	RHH	

it was determined that this equipment is actually installed and operating. A Diesel Particulate Filter (DPF) was originally proposed to be installed, but upon further discussion with Jeff Danbrum, Environmental Manager at TAMCO, it was agreed to limit diesel fuel usage on a monthly and daily basis, therefore eliminating the the need of BACT, offsets, or detailed modeling.

Since the engine is already operating without a permit (P/O no P/C), the appropriate fee penalty adjustment will be made.

A/N 554503 was submitted for the RECLAIM/Title V revisions to the facility permit based on the other application in this report.

The following compliance activity was found in District records, computer database, during the past 5 years:

Complaints:

- 224010, 5/29/12, for dust emissions from facility lot. District inspector made observations at the facility on 6/1/12, and did not observe any rule violations.
- 223742, 5/15/12, for dust emissions within the facility, by facility employee. District inspector made observations at the facility on 5/17/12 and issued a Notice to Comply (E10650) for not complying with Rule 403 requirements.

Notices to Comply:

- E10650, 5/15/12, to not cause or allow fugitive dust emissions from active operations, storage piles, or disturbed surface area such that the emission exceeds 20% opacity. Implement Best Available Control Measures to suppress emissions. (Rule 403) Deemed in compliance, by District inspector, after observing facility during operation, on 5/16/12.
- E06740, 8/22/12 to provide documentation, of various types required by H & S Code 42303.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES	PAGE
	9	3
ENGINEERING AND COMPLIANCE DIVISION	APPL. NO.	DATE
	See below	12-11-13
APPLICATION PROCESSING AND CALCULATIONS	PROCESSOR	REVIEWER
	RHH	

- E06739, 8/16/12 to provide copy of records demonstrating compliance with natural gas usage limit of 2.2 MMcu.ft./day. Determine location at readout information for temperature gauge at water-cooled elbow in exhaust system. Provide copy of tune-up record demonstrating compliance with fuel-to-air ratio. Provide copy of proof that facility only receives scrap from providers that participate in EPA approved program for removal of mercury switches. (Rule 3002) Deemed in compliance 2/28/02.
- E06737, 7/13/12 to provide a method of determining the amount of lead processed and records of lead processed in the last 5 years (7/1/07 though 7/1/12). Provide copies of source test(s) conducted on re-heat furnace emissions. (Rule 1420)
- E05242, 12/16/11 issue date, 7/1/10 violation date, to ensure timely submission of Process unit and Rule 219 electronic reports and provide permit status of silo and storage tank. (Rule 2012, H & S Code 42303)
- E01178, 8/9/12 to provide documentation of various types per H & S Code 42303.
- E00701, 9/16/10 issue date, 7/1/09 violation date, to submit annual compliance certification, in a timely manner, as required in Section K of the permit. (Rule 3002(c)(1)) Deemed in compliance, by District inspector, on 9/29/10.
- D28698, 4/26/13, to 1) Provide monthly records of total scrap metal processed from January 2004 to present. 2) Provide monthly records of total amount of oil filters processed from January 2004 to present. (H & S Code 42303) Deemed in compliance, by District inspector, on 5/3/13.

Notices of Violation:

- P53133, 1/29/13 issue date, 6/30/12 violation date, for failure to reconcile quarterly NOx emissions in the third and last quarters of compliance year 2011. NOx Emissions from the beginning of the 2011 compliance year through

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES	PAGE
	9	4
ENGINEERING AND COMPLIANCE DIVISION	APPL. NO.	DATE
	See below	12-11-13
APPLICATION PROCESSING AND CALCULATIONS	PROCESSOR	REVIEWER
	RHH	

- the end of the third and last quarters exceeded annual NOx allocation. (Rule 2004)
- P49165, 8/8/12 issue date, 6/8/12 violation date, for 1) Failure to completely vent emission points to collection system; 2) Failure to wash down, vacuum, or wet-mop at least once a week, or maintain with the use of non-toxic chemical dust suppressants, surfaces that accumulate lead-containing dust subject to vehicular or foot traffic; and 3) failure to install ambient air quality monitoring equipment. (Rule 1420)

PROCESS DESCRIPTION

This is an existing facility that is in the business of recycling ferrous scrap metal into concrete reinforcing bars (rebar). This facility is operating an electric arc furnace (EAF), three ladle heaters, a billet heating furnace, a lime storage silo, a dolomite silo, two carbon storage silos, a gasoline dispensing facility, four engines driving emergency generators, and a baghouse to control PM emissions.

The subject new I.C. Engine is used to power a magnet, mounted on a mobile crane, and used to move product around the facility.

EVALUATION

Given:

- Operating schedule:
 - Maximum: 18 hrs/day (based on daily fuel limit)
 - Average: 2.78 hrs/day (2 hrs + 47 mins., 7 days/wk, 52 wks/yr (based on average 15 gals/day diesel)
 - I.C. Engine rating - 99.2 bhp
 - Rated fuel usage - 5.4 gal./hr (diesel fuel)
 - Monthly limit: 450 gals/mon.
 - Daily limit: 97.2 gals/day (18 hrs/day @ rated fuel usage rate)
- (Monthly and daily limits agreed to with J. Danbrum, Environmental Manager, TAMCO)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PAGES

PAGE

ENGINEERING AND COMPLIANCE DIVISION

9

5

APPLICATION PROCESSING AND CALCULATIONS

APPL. NO.

DATE

See below

12-11-13

PROCESSOR

REVIEWER

RHH

- Emission factors:
 - Based on ARB certification for this engine
 - NMHC + NOx: 4.2 g/kw-hr ==> 3.133 g/bhp-hr
 - CO: 0.9 g/kw-hr ==> 0.671 g/bhp-hr
 - PM: 0.32 g/kw-hr ==> 0.239 g/bhp-hr
(PM assumed to be all PM10)
 - Based on 15 ppm (by weight) Sulfur content in fuel
 - SOx: 0.005 g/bhp-hr

Emission calculations:

- NMHC (HC) and NOx emission rates:
 - HC: 0.157 g/bhp-hr
 - NOx: 2.976 g/bhp-hr
 (Based on assumed 95%/5% split from Carl Moyer guidelines.)

R1 = R2: (hourly)

HC: 0.157 gr/bhp-hr x 99.2 bhp x 2.205 lbs/1,000 gr =
0.034 lb/hr

NOx: 2.976 gr/bhp-hr x 99.2 bhp x 2.205 lbs/1,000 gr =
0.651 lb/hr

SOx: 0.005 gr/bhp-hr x 99.2 bhp x 2.205 lbs/1,000 gr =
0.0011 lb/hr

CO: 0.671 gr/bhp-hr x 99.2 bhp x 2.205 lbs/1,000 gr =
0.147 lb/hr

PM/PM10: 0.239 gr/bhp-hr x 99.2 bhp x 2.205 lbs/1,000 gr =
0.053 lb/hr

Daily: (Maximum, 18 hrs/day)

HC: 0.61 lb/day

NOx: 11.7 lbs/day

SOx: 0.020 lb/day

CO: 2.65 lbs/day

PM/PM10: 0.95 lb/day

Daily: (Average, 2.78 hrs/day)

HC: 0.095 lb/day

NOx: 1.81 lbs/day

SOx: 0.0031 lb/day

CO: 0.41 lbs/day

PM/PM10: 0.15 lb/day

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES	PAGE
	9	6
ENGINEERING AND COMPLIANCE DIVISION	APPL. NO.	DATE
	See below	12-11-13
APPLICATION PROCESSING AND CALCULATIONS	PROCESSOR	REVIEWER
	RHH	

30-day average: (same as daily avg., rounded)

HC: 0 lb/day
 NOx: 2 lbs/day
 SOx: 0 lb/day
 CO: 0 lb/day
 PM/PM10: 0 lb/hr

Annual emissions: (daily avg. x 30 days/mon. x 12 mon./yr)

HC: 34 lbs/yr ==> 0.02 ton/yr
 NOx: 652 lbs/yr ==> 0.3 ton/yr
 SOx: 1 lb/yr ==> 0.0005 ton/yr
 CO: 148 lbs/yr ==> 0.07 ton/yr
 PM/PM10: 54 lbs/yr ==> 0.03 ton/yr

RULES COMPLIANCE

Rule 212:

(c) (1) - This section requires a public notice for all new and modified permit units that emit air contaminants located within 1,000 feet from the outer boundary of a school.

No public notice is required since the nearest school from this equipment is approximately 7,300 feet from the outer boundary of a school. Therefore no public notice is required.

(c) (2) - This section requires a public notice for all new or modified facilities that have on-site emission increases exceeding any of the daily maximums as specified by Rule 212(g).

The proposed project will not result in any emission increase exceeding Rule 212(g) limits. Therefore, a Rule 212(c) (2) notice will not be required for this project.

(c) (3) - This section requires a public notice for all new or modified permit unit with increases in emissions of Rule 1401 resulting in MICR greater than 1E-6 per permit unit or greater than 10E-6 per facility.

The proposed project will not result in any emission increase of toxic emissions in excess of Rule 1401

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES	PAGE
	9	7
ENGINEERING AND COMPLIANCE DIVISION	APPL. NO.	DATE
	See below	12-11-13
APPLICATION PROCESSING AND CALCULATIONS	PROCESSOR	REVIEWER
	RHH	

limitations. Therefore Public Notice is not required under this section of the rule.

(g) - Project emissions are much less than threshold limits.

Therefore, no public notice is required.

- Rule 401 - No visible emission is expected with proper operation of the equipment.
- Rule 402 - No nuisance is expected with proper operation of the equipment.
- Rule 403 - No excessive fugitive dust is expected with proper operation of the equipment.
- Rule 404 - Continued compliance is expected.
- Rule 1110.2 - Exempt from the provisions of Rule 1110.2(i)(7) as a Non-road Engine, provided that it is not used as described in Rule 1110.2(d)(2)(A). Conditions will be added as appropriate to ensure continued compliance with the provisions of this exemption to this rule.
- Reg. IX - NSPS
40 CFR Part 60, Subpart IIII - Standard of Performance for Stationary Compression Ignition Internal Combustion Engines. Not applicable as this is considered to be a portable auxiliary engine.
- Reg. X - NESHAP
40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants. Not applicable as this engine does not fall under the definition of a Stationary RICE.
- Reg. XIII/XX:
BACT for this engine is as follows:
NOx + HC = 3.5 g/bhp-hr
SOx = Diesel fuel with 15 ppm by weight sulfur content.
CO = 3.7 g/bhp-hr
PM = 0.3 g/bhp-hr, and Diesel Particulate Filter. (DPF achieved in practice)
CARB certified emissions:
NOx + HC = 3.133 g/bhp-hr
CO = 0.671 g/bhp-hr
PM = 0.239 g/bhp-hr
Daily fuel usage will be limited to 97.2 gal/day, and all but NOx emissions will be below 1 lb/day.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES	PAGE
	9	8
ENGINEERING AND COMPLIANCE DIVISION	APPL. NO.	DATE
	See below	12-11-13
APPLICATION PROCESSING AND CALCULATIONS	PROCESSOR	REVIEWER
	RHH	

Therefore, BACT will only be required for NOx emissions, which is attained based on CARB certified emission levels.

Therefore, **compliance with BACT is attained.**

Modeling:

Rule 1303:

Allowable emissions:

CO - 17.1 lbs/hr

PM10 - 1.9 lbs/hr

Estimated emissions:

CO - 0.147 lb/hr

PM10 - 0.0011 lb/hr

Rule 2005:

Allowable emission:

NOx - 0.31 lb/hr

Estimated emission:

NOx - 0.651 lb/hr

Detailed modeling was performed by the consultant and showed that the resulting total of modeled results and background concentration were less than the respective Ambient Air Quality Standard.

Therefore, **compliance with Modeling is attained.**

Offsets:

30-day average emission rates are as follows:

HC: 0 lb/day

NOx: 2 lbs/day

SOx: 0 lb/day

CO: 0 lb/day

PM/PM10: 0 lb/hr

NOx emissions will be offset by available NOx RTC's.

Therefore, **compliance with Offset requirements are met.**

Reg. XIV - Rule 1401, risk assessment was performed on this I.C. Engine for Diesel Particulates. Tier 1 and Tier 2 risk assessment was performed for the subject I.C. Engine. With an average usage of 2.78 hrs/day, 365 days/yr, the operation of this I.C. Engine did not pass Tier 1 and Tier 2 screening as attached (Attachment 1, 11 pages). Tier 3 risk assessment was also performed. The results (Attachment 2, 11 pages) show compliance with Rule 1401 limitations based on 2.78 hrs/day, 365

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES	PAGE
	9	9
ENGINEERING AND COMPLIANCE DIVISION	APPL. NO.	DATE
	See below	12-11-13
APPLICATION PROCESSING AND CALCULATIONS	PROCESSOR	REVIEWER
	RHH	

days/yr operation. Therefore, **compliance with Rule 1401 requirements are met.**

Reg. XXX - Title V

This revision to the Title V permit is considered to be a "**de minimis significant permit revision**". The appropriate monitoring and recordkeeping requirements will be added as appropriate to ensure compliance with Title V permit requirements.

RECOMMENDATION

A/N 554502 - Approve P/O as described in this report and facility permit.

A/N 554503 - Approve RECLAIM/Title V permit revision as described in this report.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: PRE-HEATING					
HEATER, LADLE, NATURAL GAS, 11.9 MMBTU/HR WITH A/N: BURNER, NATURAL GAS, NORTH AMERICAN, MODEL 4575-10-B HIRAM, WITH LOW NOX BURNER, 1 TOTAL; 11.9 MMBTU/HR	D1		NOX: LARGE SOURCE**	CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.12, D28.3, D323.2
HEATER, LADLE, NATURAL GAS, 16.4 MMBTU/HR WITH A/N: BURNER, NATURAL GAS, NORTH AMERICAN, MODEL 4575-12 HIRAM, WITH LOW NOX BURNER, 1 TOTAL; 16.4 MMBTU/HR	D2		NOX: LARGE SOURCE**	CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; NOX: 60 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.12, D28.3, D323.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: PRE-HEATING					
HEATER, LADLE, NATURAL GAS, WITH LOW NOX BURNER, 16.4 MMBTU/HR WITH A/N: BURNER, NATURAL GAS, NORTH AMERICAN, MODEL 4575-12 HIRAM, WITH LOW NOX BURNER, 1 TOTAL; 16.4 MMBTU/HR	D3		NOX: LARGE SOURCE**	CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; NOX: 60 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.12, D28.3, D323.2
Process 2: METAL MELTING					
FURNACE, ELECTRIC, ARC TYPE, SCRAP STEEL, 120 TON CAPACITY, 100000 KVA; 62.4 MMBTU/HR WITH A/N: 472953 BURNER, OXY-FUEL, AMERICAN COMBUSTION, MODEL 16-AMOPJ3774NE, WITH LOW NOX BURNER, 4 TOTAL; 15.6 MMBTU/HR	D4	C5	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF OXY-FUEL (5) [RULE 407, 4-2-1982; RULE 409, 8-7-1981]; PM: 12 MG PER DSCM (8) [40CFR 60 Subpart Aa, 2-22-2005]; PM: 2000 PPMV OXY-FUEL (5) [RULE 407, 4-2-1982; RULE 409, 8-7-1981]; SOX: 0.2 LBS/TON PRODUCED (1) [RULE 2011, 5-6-2005]	C1.2, C409.1, D12.3, D323.3, E71.4, E71.6, E448.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL MELTING					
BAGHOUSE, WHEELABRATOR, MODEL 264, 9 COMPARTMENTS, EACH WITH 29,256 SQ. FT. FILTER AREA, WITH AUBURN BAG LEAK DETECTION SYSTEM WITH A/N:	C5	D4		PM: (9) [RULE 404, 2-7-1986]	D12.4, D28.1, D322.1, D381.2, E71.2, E71.3, E193.1, E448.2, H23.3, K40.1, K67.2
TOWER, SPRAY, WITH 8 WATER SPRAY NOZZLES	D67			PM: (9) [RULE 405, 2-7-1986]	
CONVEYOR, SCREW	D6				
Process 3: RE-HEATING					

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: RE-HEATING					
FURNACE, BILLET REHEAT, NATURAL GAS, WITH LOW NOX BURNER, 143.5 MMBTU/HR WITH A/N:	D7		NOX: MAJOR SOURCE**	CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.3, C1.13, D12.1
BURNER, REGENERATIVE, NATURAL GAS, NORTH AMERICAN MFG., MODEL 4315-10B, PREHEAT ZONE, WITH LOW NOX BURNER, 4 TOTAL; 14 MMBTU/HR					
BURNER, REGENERATIVE, NATURAL GAS, NORTH AMERICAN MFG., MODEL 4343-12B, PREHEAT ZONE, WITH LOW NOX BURNER, 4 TOTAL; 25 MMBTU/HR					
BURNER, REGENERATIVE, NATURAL GAS, NORTH AMERICAN MFG., MODEL 4315-10A, HEATING ZONE, WITH LOW NOX BURNER, 8 TOTAL; 11.2 MMBTU/HR					
BURNER, REGENERATIVE, NATURAL GAS, NORTH AMERICAN MFG., MODEL 4315-9, BOTTOM SOAK, WITH LOW NOX BURNER, 4 TOTAL; 5.7 MMBTU/HR					

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: RE-HEATING					
BURNER, REGENERATIVE, NATURAL GAS, NORTH AMERICAN MFG., MODEL 4315-8A, TOP SOAK, WITH LOW NOX BURNER, 6 TOTAL; 3.1 MMBTU/HR					
Process 4: MATERIAL STORAGE					
System 1: LIME STORAGE					
STORAGE SILO, 12,000 CUBIC FEET, LIME, WITH A FILTER VENT A/N: 527122	D8			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	C1.10, D322.1, D323.2, D381.1, K67.2
HOPPER A/N: 527122	D71	C73		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, SCREW, WITH A DISCHARGE DUST COLLECTION SHROUD A/N: 527122	D72	C73		PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, DIVERSIFIED STORAGE SYSTEMS, MODEL WAM 250, WITH 14 CARTRIDGES, 250 SQ. FT. TOTAL FILTER AREA, AND A 5 HP BLOWER A/N: 529029	C73	D71 D72		PM: (9) [RULE 404, 2-7-1986]	D12.4, D322.1, D381.1, E448.2, H23.3, K67.2
System 2: DOLOMITE RECEIVING AND STORAGE					
STORAGE SILO, DOLOMITE, 4,800 CU. FT., WITH FABRIC FILTER A/N: 458462	D46			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	C1.5, D322.1, D381.1, E184.1, K67.2
System 3: CARBON STORAGE AND INJECTION					

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: MATERIAL STORAGE					
STORAGE SILO, CARBON, 1,400 CUBIC FEET, WITH A 50 HP PNEUMATIC CONVEYOR A/N: 526434	D74			PM: (9) [RULE 405, 2-7-1986]	C1.11, D323.2
STORAGE SILO, CARBON, 2,250 CUBIC FEET, WITH A FILTER VENT, 225 SQ. FT. TOTAL FILTERING AREA A/N: 526434	D75			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D322.1, D323.2, D381.1, E184.1, K67.2
CONVEYOR, SCREW A/N: 526434	D76			PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, SCREW A/N: 526434	D77			PM: (9) [RULE 405, 2-7-1986]	D323.2
INJECTOR, CARBON A/N: 526434	D78			PM: (9) [RULE 405, 2-7-1986]	D323.2
INJECTOR, CARBON A/N: 526434	D79			PM: (9) [RULE 405, 2-7-1986]	D323.2
Process 6: FUEL STORAGE & DISPENSING					
STORAGE TANK, GASOLINE A/N: 489915	D14			ROG: (9) [RULE 461, Healy, Phase I and II EVR Conditions, 3-7-2008; RULE 461, Universal Conditions, 3-7-2008]	D330.1
FUEL DISPENSING NOZZLE, HEALY PHASE II EVR W/O ISD: VR-201, GASOLINE, WITH PHASE II VAPOR RECOVERY SYSTEM A/N: 489915	D15			ROG: (9) [RULE 461, Bellowsless Conditions, 3-7-2008; RULE 461, Healy, Phase I and II EVR Conditions, 3-7-2008; RULE 461, Universal Conditions, 3-7-2008]	D330.1
Process 7: INTERNAL COMBUSTION ENGINE					

- | | |
|--|---|
| * (1) (1A) (1B) Denotes RECLAIM emission factor | (2) (2A) (2B) Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5) (5A) (5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (7) Denotes NSR applicability limit | (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits | (10) See section J for NESHAP/MACT requirements |

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: INTERNAL COMBUSTION ENGINE					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL NTA855-G1, WITH TURBOCHARGER, 425 BHP A/N: 316128	D37		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 0.208 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	D12.2, E448.1, E448.4, K67.4
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, DETROIT, MODEL 1063-7005, 189 BHP A/N: 316129	D39		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 0.208 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	D12.2, E448.1, E448.4, K67.4
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, DETROIT DIESEL, MODEL 1063-7305, WITH AFTERCOOLER, TURBOCHARGER, 330 BHP A/N: 328590	D41		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 0.208 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	D12.2, E448.1, E448.4, K67.4
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, RICH BURN, NATURAL GAS, CUMMINS, MODEL GV12-525-IPG, 400 BHP A/N: 443929	D45		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2 GRAM/BHP-HR NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 1.5 GRAM/BHP-HR NATURAL GAS (1) [RULE 2012, 5-6-2005]; NOX: 1.5 GRAM/BHP-HR NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; ROG: 1.5 GRAM/BHP-HR NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D12.2, E115.1, E448.1, E448.4, K67.4

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: INTERNAL COMBUSTION ENGINE					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, ELECTRICAL GENERATOR, POWERING A MAGNET, CRANE MOUNTED, DIESEL FUEL, KUBOTA, MODEL V3800-DI-ET02, 4 STROKE, 4 CYLINDERS, COOLED EXHAUST GAS RECIRCULATION, WITH TURBOCHARGER, 99.2 BHP A/N:	D92		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX + ROG: 3.133 GRAM/BHP-HR DIESEL (5) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2012, 5-6-2005]; NOX + ROG: 3.5 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; SOX: 0.208 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	C1.14, C1.15, D323.2, E71.9, I298.1
Process 8: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E43			ROG: (9) [RULE 1113, 7-13-2007; RULE 1113, 6-3-2011; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	K67.3
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E51				H23.2
RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS,	E52				H23.2

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	0
D2	1	1	0
D3	2	1	0
D4	2	2	0
C5	3	2	0
D6	3	2	0
D7	5	3	0
D8	5	4	1
D14	6	6	0
D15	6	6	0
D37	7	7	0
D39	7	7	0
D41	7	7	0
E43	8	8	0
D45	7	7	0
D46	5	4	2
E51	8	8	0
E52	8	8	0
D67	3	2	0
D71	5	4	1
D72	5	4	1
C73	5	4	1
D74	6	4	3
D75	6	4	3
D76	6	4	3
D77	6	4	3
D78	6	4	3
D79	6	4	3
D92	8	7	0

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F5.1 The following conditions shall apply to operations with lead containing materials and housekeeping practices for fugitive lead-dust emissions at this facility:

Dust-forming material which may contain lead, including but not limited to baghouse dust, dross, ash, or feed material, shall be stored in closed containers in enclosed storage areas

Surfaces upon which lead-containing dust accumulates and which are subject to vehicular or foot traffic shall be either washed down, vacuum-cleaned, or wet-mopped at least once a week, or shall be maintained with the use of non-toxic chemical dust suppressants

Lead or lead-containing wastes generated from housekeeping activities shall be stored, disposed of, recovered, or recycled using practices that do not lead to fugitive lead-dust emissions

Records of the quantities of each lead-containing material processed, and the lead content of the material shall be maintained. The records shall include but not limited to purchase records, usage records, results of analysis or other verification to indicate lead content and lead usage. The records shall be kept for at least the last five years, and made available to District personnel upon request

Records of housekeeping activities, and inspection and maintenance of emission collection system(s) and control device(s) shall be maintained. The records shall include the name of the person performing the activity, description of the activity, and the dates on which the specific activity was completed. The records shall be kept for at least the last five years, and made available to District personnel upon request

[RULE 1420, 9-11-1992]

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

- (a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
- (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000; 40CFR 63SubpartZZZZ, 3-9-2011]

F14.2 The operator shall not use fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

DEVICE CONDITIONS

C. Throughput or Operating Parameter Limits

C1.2 The operator shall limit the material processed to no more than 51210 ton(s) in any one calendar month.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, material processed shall be defined as scrap metal.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D4]

- C1.3 The operator shall limit the natural gas fuel usage to no more than 2.2 MM cubic feet per day.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D7]

- C1.5 The operator shall limit the throughput to no more than 2100 ton(s) in any one calendar month.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D46]

- C1.10 The operator shall limit the throughput to no more than 2260 ton(s) in any one calendar month.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D8]

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

- C1.11 The operator shall limit the throughput to no more than 1410 ton(s) in any one calendar month.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D74]

- C1.12 The operator shall limit the natural gas fuel usage to no more than 18 MM cubic feet in any one calendar month.

This limit shall be based on the total combined limit for equipment D1, D2 and D3.

[RULE 1304(c)-Offset Exemption, 6-14-1996]

[Devices subject to this condition : D1, D2, D3]

- C1.13 The operator shall limit the natural gas fuel usage to no more than 114667 cubic feet per hour.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D7]

- C1.14 The operator shall limit the fuel usage to no more than 450 gallon(s) per month.

For the purpose of this condition, fuel usage shall be defined as diesel fuel.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2011, 5-6-2005; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D92]

C1.15 The operator shall limit the fuel usage to no more than 97.2 gallon(s) per day.

For the purpose of this condition, fuel usage shall be defined as diesel fuel.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002**]

[Devices subject to this condition : D92]

C409.1 The operator shall ensure that oil filters used in this equipment shall meet the following specified requirements:

The amount of oil filters used shall not exceed 750 tons in any one calendar month.

Oil filters shall be drained and crushed prior to being used in this equipment.

Records on the amount of oil filters used shall be maintained, in a manner approved by the District, to demonstrate compliance with this condition.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001**]

[Devices subject to this condition : D4]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the billet heating furnace.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D7]

D12.2 The operator shall install and maintain a(n) timer to accurately indicate the elapsed operating time of the engine.

[**RULE 1110.2, 2-1-2008; RULE 1110.2, 9-7-2012; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005; 40CFR 63SubpartZZZZ, 3-9-2011**]

[Devices subject to this condition : D37, D39, D41, D45]

D12.3 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the exit of the water cooled elbow in the exhaust system.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002**]

[Devices subject to this condition : D4]

D12.4 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the the filter bags.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002**]

[Devices subject to this condition : C5, C73]

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted at least once during the life of the permit.

The test shall be conducted to determine the total PM emissions at the outlet.

The test shall be conducted to determine the PM emissions using EPA method 5D measured over a 60 minute averaging time period.

Source test shall be conducted when this equipment is operating at maximum load.

The District shall be notified of the date and time of the test at least 14 days prior to the test.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C5]

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine lead emissions to outside atmosphere.

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : D1, D2, D3]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : C5, D8, D46, C73, D75]

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D1, D2, D3, D8, D71, D72, D74, D75, D76, D77,
D78, D79, D92]

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D323.3 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D4]

D330.1 The operator shall have a person that has been trained in accordance with Rule 461 conduct a semi-annual inspection of the gasoline transfer and dispensing equipment. The first inspection shall be in accordance with Rule 461, Attachment B, the second inspection shall be in accordance with Rule 461, Attachment C, and the subsequent inspections shall alternate protocols. The operator shall keep records of the inspection and the repairs in accordance to Rule 461 and Section K of this Permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 461, 6-3-2005; RULE 461, 3-7-2008]

[Devices subject to this condition : D14, D15]

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a weekly basis, at least, unless the equipment did not operate during the entire weekly period. The routine weekly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 1155, 12-4-2009; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D8, D46, C73, D75]

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C5]

E. Equipment Operation/Construction Requirements

E71.2 The operator shall not operate this equipment if the opacity of the exhaust gases from the baghouse is 3 percent or greater based on the arithmetic average of 24 consecutive 15-second opacity observations taken in accordance with USEPA Method 9.

[40CFR 60 Subpart AAa, 2-22-2005]

[Devices subject to this condition : C5]

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E71.3 The operator shall not operate this equipment if the opacity of the gases from the screw conveyor is 10 percent or greater based on the arithmetic average of 24 consecutive 15-second opacity observations taken in accordance with USEPA Method 9.

[40CFR 60 Subpart AAa, 2-22-2005]

[Devices subject to this condition : C5]

E71.4 The operator shall only charge drained and crushed oil filters to this equipment during the portion of the operation which produces the maximum temperature at the exit of the water cooled elbow.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D4]

E71.6 The operator shall not operate this equipment if the opacity of the gases from the furnace building is 6 percent or greater based on the arithmetic average of 24 consecutive 15-second opacity observations taken in accordance with USEPA Method 9.

[40CFR 63 Subpart YYYYYY, 12-28-2007]

[Devices subject to this condition : D4]

E71.9 The operator shall not operate this equipment for power production into the electric grid, except to maintain grid stability during an emergency event or other unforeseen event that affects grid stability: or for primary or supplemental power to a building, facility, stationary source, or stationary equipment, except during unforeseen interruptions of electrical power from the serving utility, maintenance and repair operations, and remote operations as referenced under the Rule 1110.2(i)(7) exemption provision.

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[**RULE 1110.2, 2-1-2008; RULE 1110.2, 9-7-2012**]

[Devices subject to this condition : D92]

E115.1 The operator shall maintain an automatic air-to-fuel ratio controller so as to regulate the air-to-fuel ratio within tolerance limits as recommended by the catalyst supplier or manufacturer.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 6-3-2011; 40CFR 63SubpartZZZZ, 3-9-2011**]

[Devices subject to this condition : D45]

E184.1 The operator shall thoroughly clean the filters in the filter vents immediately after each load of material is received.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002**]

[Devices subject to this condition : D46, D75]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The baghouse pressure differential across the filter bags shall be maintained between 4" and 20" of water column whenever the equipment it serves is in operation.

The operator shall operate and maintain a pressure differential gauge to measure and indicate the pressure differential across the baghouse filter bags pursuant to the operation and maintenance requirements in 40 CFR Part 64.7. The pressure differential across the filters shall be recorded continuously.

For the purpose of this condition, a deviation shall be defined as when the pressure differential across the filters is less than 4" of water column or more than 20" of water column occurs during the normal operation of the equipment it serves.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the pressure differential across the filters between 4" and 20" of water column, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occur in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C5]

E448.1 The operator shall comply with the following requirements:

The engine shall not be operated more than 200 hours in any one year, which includes no more than 50 hours in any one year for maintenance and testing.

Operation beyond the 50 hours per year allotted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage.

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect.

This engine shall not be used as part of an interruptible service contract in which a facility receives a payment or reduced rates in return for reducing electric load on the grid when requested to so by the utility or the grid operator.

[RULE 1110.2, 2-1-2008; RULE 1110.2, 9-7-2012; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 5-4-2012; 40CFR 63SubpartZZZZ_01, 3-9-2011]

[Devices subject to this condition : D37, D39, D41, D45]

E448.2 The operator shall comply with the following requirements:

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Dust collected in the baghouse shall be discharged only into enclosed containers or returned to process and shall not be handled in a manner that may result in the re-release of collected materials to the atmosphere.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C5, C73]

E448.3 The operator shall comply with the following requirements:

The operator shall only purchase motor scrap from scrap providers who participate in an EPA approved program for removal of mercury switches.

[40CFR 63 Subpart YYYYYY, 12-28-2007]

[Devices subject to this condition : D4]

E448.4 The operator shall comply with the following requirements:

Change oil and filter (or according to the oil analysis program in 40 CFR 63.6625(J)), and inspect hoses and belts annually

Inspect air cleaner (compression ignition) or spark plugs (spark ignition) annually.

Records shall be maintained according to 40 CFR 63.6655(A) and (E). All records required by these devices shall be retained for a minimum of five years, and shall be made available to any District representative upon request.

Per 40 CFR 63.556625(E) and 63.6640(A), the operator shall maintain the engine and control device (if any) according to the manufacturer's instructions or owner-developed maintenance plan

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[40CFR 63SubpartZZZZ, 3-9-2011]

[Devices subject to this condition : D37, D39, D41, D45]

H. Applicable Rules

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1411
Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	B
Refrigerants	40CFR82, SUBPART	F

[RULE 1411, 3-1-1991; RULE 1415, 12-3-2010; 40CFR 82 Subpart B, 7-14-1992;
40CFR 82 Subpart F, 5-14-1993]

[Devices subject to this condition : E51, E52]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C5, C73]

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

I. Administrative

I298.1 This equipment shall not be operated unless the facility holds 652 pounds of NO_x RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 652 pounds of NO_x RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D92]

K. Record Keeping/Reporting

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C5]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The name of the person performing the inspection and/or maintenance of the filter media

The date, time and results of the inspection

The date, time and description of any maintenance or repairs resulting from the inspection

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C5, D8, D46, C73, D75]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

FACILITY PERMIT TO OPERATE TAMCO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E43]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The engine operating log shall be kept and maintained on file to record when the engine is started manually. The log shall list the date of operation, the timer reading in hours at the beginning and end of operation, and the reason for operation.

By January 15th of each year, the operator shall total and record the total hours of operation (including hours for both manual and automatic operation) for the previous calendar year.

The records shall be maintained on file for at least the last five years, and made available to District personnel upon request.

[RULE 1110.2, 2-1-2008; RULE 1110.2, 9-7-2012; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 5-4-2012]

[Devices subject to this condition : D37, D39, D41, D45]