FACILITY PERMIT TO OPERATE

QUEMETCO INC
720 S 7TH AVE
CITY OF INDUSTRY, CA 91746

NOTICE

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

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

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

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

FACILITY PERMIT TO OPERATE
QUEMETCO INC

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SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR:	QUEMETCO INC
LEGAL OPERATOR (if different than owner):	
EQUIPMENT LOCATION:	720 S 7TH AVE CITY OF INDUSTRY, CA 91746-3124
MAILING ADDRESS:	720 S SEVENTH AVE CITY OF INDUSTRY, CA 91746
RESPONSIBLE OFFICIAL:	R. SCOTT BEVANS
TITLE:	VICE PRESIDENT, CALIFORNIA OPERATIONS
TELEPHONE NUMBER:	(626) 937-3212
CONTACT PERSON:	JOHN MACEK
TITLE:	ENV. HEALTH & SAFETY MANAGER
TELEPHONE NUMBER:	(626) 937-3218
TITLE V PERMIT ISSUED:	April 25, 2006
TITLE V PERMIT EXPIRATION DATE:	April 24, 2011

TITLE V	RECLAIM	
YES	NOx:	YES
	SOx:	YES
	CYCLE:	1
	ZONE:	INLAND

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QUEMETCO INC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin (month/year)	End	Zone	NOx RTC Initially Allocated	NOx RTC [1] Holding as of 01/01/2011 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
1/2009	12/2009	Inland	63067	2227	3406
1/2010	12/2010	Inland	63067	7223	5108
1/2011	12/2011	Inland	63067	48877	6811
1/2012	12/2012	Inland	63067	48877	6811
1/2013	12/2013	Inland	63067	48877	6811
1/2014	12/2014	Inland	63067	48877	6811
1/2015	12/2015	Inland	63067	48877	6811
1/2016	12/2016	Inland	63067	48877	6811
1/2017	12/2017	Inland	63067	48877	6811
1/2018	12/2018	Inland	63067	48877	6811
1/2019	12/2019	Inland	63067	48877	6811
1/2020	12/2020	Inland	63067	48877	6811
1/2021	12/2021	Inland	63067	48877	6811
1/2022	12/2022	Inland	63067	48877	6811
1/2023	12/2023	Inland	63067	48877	6811
1/2024	12/2024	Inland	63067	48877	6811
1/2025	12/2025	Inland	63067	48877	6811

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.

2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

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QUEMETCO INC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin (month/year)	Year End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC Holding as of 01/01/2011 (pounds) [1]	Non-Tradable Non-Usable RTCs (pounds) [2]
1/2026	12/2026	Inland	63067	48877	6811

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.

2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE
QUEMETCO INC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of SOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin (month/year)	End	Zone	SOx RTC Initially Allocated	SOx RTC Holding as of 01/01/2011 (pounds) [1]	Non-Tradable Credits (NTCs) (pounds) [2]
1/2009	12/2009	Coastal	0	4657	
1/2009	12/2009	Inland	104858	0	
1/2010	12/2010	Inland	104858	68811	
1/2011	12/2011	Inland	104858	104858	
1/2012	12/2012	Inland	104858	104858	
1/2013	12/2013	Inland	104858	104858	
1/2014	12/2014	Inland	104858	104858	
1/2015	12/2015	Inland	104858	104858	
1/2016	12/2016	Inland	104858	104858	
1/2017	12/2017	Inland	104858	104858	
1/2018	12/2018	Inland	104858	104858	
1/2019	12/2019	Inland	104858	104858	
1/2020	12/2020	Inland	104858	104858	
1/2021	12/2021	Inland	104858	104858	
1/2022	12/2022	Inland	104858	104858	
1/2023	12/2023	Inland	104858	104858	
1/2024	12/2024	Inland	104858	104858	

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.

2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

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SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of SOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin (month/year)	End	Zone	SOx RTC Initially Allocated	SOx RTC Holding as of 01/01/2011 (pounds) [1]	Non-Tradable Credits (NTCs) (pounds) [2]
1/2025	12/2025	Inland	104858	104858	
1/2026	12/2026	Inland	104858	104858	

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.

2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

FACILITY PERMIT TO OPERATE
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SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year Begin (month/year)	Year End (month/year)	Zone	NOx RTC Starting Allocation (pounds)	Non-Tradable Credits(NTC) (pounds)
1/1994	12/1994	Inland	154763	0

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SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year Begin (month/year)	Year End (month/year)	Zone	SOx RTC Starting Allocation (pounds)	Non-Tradable Credits(NTC) (pounds)
1/1994	12/1994	Inland	163400	199894

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SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

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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: SECONDARY LEAD SMELTING					
System 1: BATTERY CRUSHING AND MATERIAL SEPARATION SYSTEM					S53.1
CONVEYOR, BELT, TRANSPORT AND SORTING A/N: 262165	D112	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
CONVEYOR, BELT, INCLINED, BATTERY TRANSPORT A/N: 262165	D113	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
CRUSHER, IMPACT WITH A/N:	D1	C2 C168 C169 C170		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**] **PM**: (9) [**RULE 405, 2-7-1986**]	B163.4, D323.1, K67.13
CONVEYOR, SCREW, DISCHARGE	D115	C168 C169 C170			
SETTLING TANK, SINK/FLOAT, CRUSHED BATTERIES, WITH SURFACE TRANSPORT PADDLES FOR CASE MATERIAL WITH A/N: 262165	D116	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
CONVEYOR, DRAG, LEAD	D117	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
CONVEYOR, SCREW, CASE MATERIAL TRANSPORT AND DISCHARGE	D118	C168 C169 C170			

* (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
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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: SECONDARY LEAD SMELTING					
FEEDER, PASTE WASHING, VIBRATORY TABLE TYPE WITH A/N: 262165	D119	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
TANK, LEAD PASTE, DESULPHURIZATION	D120	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
TANK, HOLDING	D121	C168 C169 C170			
TANK, SURGE	D122	C168 C169 C170			
FILTER PRESS, LEAD PASTE	D123	C30 C31 C32 C168 C169 C170			
CONVEYOR, SCREW, BATTERY CRUSHER MATERIAL, TRANSPORT A/N: 262165	D124	C30 C31 C32 C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
HAMMERMILL, 100-H.P., BATTERY CASE MATERIAL A/N: 262165	D125	C168 C169 C170			
SETTLING TANK, SINK/FLOAT AND RINSE, HEAVY MATERIAL DISCHARGE, WITH AGITATING/TRANSPORT PADDLES WITH A/N: 262165	D126	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
CONVEYOR, SCREW, HEAVY MATERIAL, DISCHARGE	D127	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
CONVEYOR, SCREW, PLASTIC MATERIAL, DISCHARGE	D128	C168 C169 C170			

* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: SECONDARY LEAD SMELTING					
CONVEYOR, SCREW, HEAVY MATERIAL, TRANSPORT A/N: 262165	D130	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
CONVEYOR, SCREW, HEAVY MATERIAL, TRANSPORT A/N: 262165	D131	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
CONVEYOR, SCREW, HEAVY MATERIAL, TRANSPORT A/N: 262165	D132	C30 C31 C32 C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
SETTLING TANK, SINK/FLOAT, CASE MATERIAL, WITH AGITATING/TRANSPORT PADDLES WITH A/N: 262165	D133	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
CONVEYOR, SCREW, HEAVY MATERIAL, TRANSPORT	D134	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
CONVEYOR, SCREW, PLASTIC, DISCHARGE	D135	C168 C169 C170			
FEEDER, PLASTIC, DE-WATERING/TRANSPORT, VIBRATORY TABLE TYPE, WITH 2 10-H.P. VIBRATORS A/N: 262165	D136	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
CONVEYOR, PNEUMATIC, PLASTIC MATERIAL, TRANSPORT, WITH 2 15-H.P. BLOWERS A/N: 262165	D137	C168 C169 C170		**PM**: (9) [**RULE 405, 2-7-1986**]	
SCRUBBER, VENTURI A/N: 432954	C2	D1 C109 C168 C169 C170		**PM**: (9) [**RULE 404, 2-7-1986**]	D323.1

* (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
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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: SECONDARY LEAD SMELTING					
CYCLONE, WITH A 15-HP MINIMUM EXHAUST BLOWER, HEIGHT: 12 FT 7 IN; DIAMETER: 3 FT 8 IN A/N: 432954	C109	C2 C30 C31 C32 C168 C169 C170		**PM**: (9) [**RULE 404, 2-7-1986**]	
System 2: FEED DRYING SYSTEM					
FURNACE, ROTARY, LIQUIFIED PETROLEUM GAS, NATURAL GAS, WITH A NORTH AMERICAN MODEL 42-13-10-LEX BURNER, 10 MMBTU/HR A/N: 442948	D3	C28 C29 C35	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.2, B59.2, B75.1, B163.3, C1.7, C1.8, C1.9, C1.10, C6.4, C303.2, D12.10, D12.11, D12.12, D12.13, D182.4, D322.2, D323.1, K67.11
HOPPER, FURNACE FEED A/N: 442948	D5	C30 C31 C32		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, BELT, FURNACE FEED A/N: 442948	D6	C28 C29		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, SCREW, KILN FEEDER A/N: 442948	D7	C30 C31 C32		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
System 3: LEAD SWEATING SYSTEM					

* (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.

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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: SECONDARY LEAD SMELTING					
FURNACE, REVERBATORY, LIQUIFIED PETROLEUM GAS, NATURAL GAS, LEAD ACID BATTERY SCRAP, 34 MMBTU/HR WITH A/N: 442948	D8	C28 C29 C37	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **NOX**: 133.64 PPMV LPG (3) [**RULE 2012, 5-6-2005**]; **NOX**: 133.64 PPMV NATURAL GAS (3) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.022 GRAINS/SCF (8A) [**40CFR 60 Subpart L, 12-3-1976**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**] **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	A63.3, B59.2, B75.1, B163.3, C1.7, C1.8, C1.11, C1.12, C303.1, D12.10, D12.11, D12.12, D12.13, D182.4, D323.1, K67.12, K67.13 D323.1
TAPPING PORT, LEAD	D10	C28 C29 C35			
TAPPING PORT, LEAD SLAG, WITH A CASTING ENCLOSURE	D11	C28 C29 C88			
TAPPING PORT, LEAD SLAG, WITH A CASTING ENCLOSURE	D110	C28 C29 C88			
CONVEYOR, SCREW, FURNACE FEED	D98	C28 C29			
CONVEYOR, BELT, SLAG DISCHARGE	D13	C28 C29 C30 C31 C32 C88			
System 4: LEAD SLAG PROCESSING SYSTEM					

* (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.

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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: SECONDARY LEAD SMELTING					
FURNACE, ELECTRIC, LEAD SLAG, WITH THREE ELECTRODES, ELECTRIC RESISTENCE TYPE, 2500 KW WITH A/N: 302089	D84	C33 C34 C88	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **NOX**: 0.021 LBS/TON MATERIAL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.022 GRAINS/SCF (8A) [**40CFR 60 Subpart L, 12-3-1976**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.036 LBS/TON MATERIAL (1) [**RULE 2011, 5-6-2005**] **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, B59.2, B163.2, B295.3, B295.4, C1.13, D182.4, D323.1, K67.1, K67.13
TAPPING PORT, LEAD	D85	C33 C34 C88			
TAPPING PORT, SLAG	D86	C33 C34 C88			
BAGHOUSE, PTFE MEMBRANE, WHEELABRATOR, MODEL CUSTOM, 16493 SQ.FT.; 1200 BAGS A/N: 307572	C88	D11 D13 D84 D85 D86 C89 D110		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	A63.1, C6.2, D12.1, D12.5, D12.9, D381.1, E102.1, E193.1, H116.2, H116.3, K67.2
SCRUBBER, TRAY, SLY, MODEL 685, HEIGHT: 26 FT ; DIAMETER: 8 FT 6 IN A/N: 307572	C89	C88 S90			C8.2, C8.3, D323.1, K67.5, K67.9

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(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

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FACILITY PERMIT TO OPERATE
QUEMETCO INC

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: SECONDARY LEAD SMELTING					
STACK, WITH AN EXHAUST SYSTEM WITH TWO BLOWERS, 200-HP MIN. TOTAL, HEIGHT: 60 FT ; DIAMETER: 3 FT 6 IN A/N: 307572	S90	C89			D323.1, D381.1
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, LIQUIFIED PETROLEUM GAS, NATURAL GAS, LEAD REFINING, WITH A NORTH AMERICAN MODEL 4422-8A BURNER, 4.24 MMBTU/HR A/N: 509234	D16	C21 C26 C27 B138 S164	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.5, B59.1, B75.2, C1.2, C1.3, C1.4, D323.1, E57.1, E57.2, E448.4, K67.14
FURNACE, POT, LIQUIFIED PETROLEUM GAS, NATURAL GAS, LEAD REFINING, WITH A NORTH AMERICAN MODEL 4422-8A BURNER, 4.24 MMBTU/HR A/N: 509235	D17	C21 C26 C27 B138 S164	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.5, B59.1, B75.2, C1.2, C1.3, C1.4, D323.1, E57.1, E57.2, E448.4, K67.14
FURNACE, POT, LIQUIFIED PETROLEUM GAS, NATURAL GAS, LEAD REFINING, WITH A NORTH AMERICAN MODEL 4422-8A BURNER, 4.24 MMBTU/HR A/N: 509236	D18	C21 C26 C27 B138 S164	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.5, B59.1, B75.2, C1.2, C1.3, C1.4, D323.1, E57.1, E57.2, E448.4, K67.14
FURNACE, POT, LIQUIFIED PETROLEUM GAS, NATURAL GAS, LEAD REFINING, WITH A NORTH AMERICAN MODEL 4422-8A BURNER, 4.24 MMBTU/HR A/N: 509237	D19	C21 C26 C27 B138 S164	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.5, B59.1, B75.2, C1.2, C1.3, C1.4, D323.1, E57.1, E57.2, E448.4, K67.14

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(5) (5A) (5B) Denotes command and control emission limit
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(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: SECONDARY LEAD SMELTING					
FURNACE, POT, LIQUIFIED PETROLEUM GAS, NATURAL GAS, LEAD REFINING, WITH A NORTH AMERICAN MODEL 4422-8A BURNER, 4.24 MMBTU/HR A/N: 509238	D20	C21 C26 C27 B138 S164	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.5, B59.1, B75.2, C1.2, C1.3, C1.4, D323.1, E57.1, E57.2, E448.4, K67.14
FURNACE, POT, LIQUIFIED PETROLEUM GAS, NATURAL GAS, LEAD REFINING, WITH A NORTH AMERICAN MODEL 4422-8A BURNER, 4.24 MMBTU/HR A/N: 509239	D99	C21 C26 C27 B138 S164	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.5, B59.1, B75.2, C1.2, C1.3, C1.4, D323.1, E57.1, E57.2, E448.4, K67.14
FURNACE, POT, LIQUIFIED PETROLEUM GAS, NATURAL GAS, LEAD REFINING, WITH AN ECLIPSE MODEL WX 300, TYPE WINNOX BURNER, 3.6 MMBTU/HR A/N: 509240	D100	C21 C26 C27 B138 S164	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.5, B59.1, B75.2, C1.2, C1.3, C1.4, D323.1, E57.1, E57.2, E71.1, E448.4, K67.14
BAGHOUSE, DRACCO, MODEL SS-2-100, 13430 SQ.FT.; 1140 BAGS A/N:	C21	D16 D17 D18 D19 D20 D22 D23 S24 D99 D100		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	A63.5, C6.3, D12.1, D12.5, D12.9, D381.1, E102.1, E193.1, H116.2, H116.3, K67.2
HOPPER, DUST, POT FURNACE A/N: 148336	D22	C21 C26 C27		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
HOPPER, DUST, POT FURNACE A/N: 148336	D23	C21 C26 C27		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1

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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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QUEMETCO INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Process 1: SECONDARY LEAD SMELTING					
STACK, WITH AN EXHAUST SYSTEM WITH A 100-HP MINIMUM EXHAUST BLOWER, HEIGHT: 60 FT ; DIAMETER: 3 FT 6 IN A/N: 148336	S24	C21			D323.1, D381.1
STACK, , REFINING POT FURNACE BURNER EXHAUST A/N: 509234	S164	D16 D17 D18 D19 D20 D99 D100			
System 6: FUGITIVE DUST CONTROL SYSTEM					
FLOOR SWEEP A/N: 243723	D25	C28		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
BAGHOUSE, NO. 00FA, BUSCH INTERNATIONAL, WITH 20 HEPA FILTERS,EACH 2FT W.X 1FT L.X 2FT H.,AND A 75-HP MIN. EXHAUST BLOWER, 4169 SQ.FT.; 196 BAGS A/N: 243721	C26	D16 D17 D18 D19 D20 D22 D23 C27 D99 D100		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.1, D12.14, D381.1, E102.1, K67.6
BAGHOUSE, NO. 00FB, BUSCH INTERNATIONAL, WITH 20 HEPA FILTERS,EACH 2FT W.X 1FTL.X 2FT H.,AND A 75-HP MIN. EXHAUST BLOWER, 4169 SQ.FT.; 196 BAGS A/N: 243722	C27	D16 D17 D18 D19 D20 D22 D23 C26 D99 D100		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.1, D12.14, D381.1, E102.1, K67.6
BAGHOUSE, NO. 00FC, BUSCH INTERNATIONAL, WITH 20 HEPA FILTERS,EACH 2FT W.X 1FTL.X 2FT H.,AND A 75-HP MIN. EXHAUST BLOWER, 4169 SQ.FT.; 196 BAGS A/N: 243723	C28	D3 D6 D8 D9 D10 D11 D13 D25 C29 D98 D110		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.1, D12.14, D381.1, E102.1, K67.6

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(9) See App B for Emission Limits
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Process 1: SECONDARY LEAD SMELTING					
BAGHOUSE, NO. 00FD, BUSCH INTERNATIONAL, WITH 20 HEPA FILTERS,EACH 2FT W.X 1FTL.X 2FT H.,AND A 75-HP MIN. EXHAUST BLOWER, 4169 SQ.FT.; 196 BAGS A/N: 243724	C29	D3 D6 D8 D9 D10 D11 D13 C28 D98 D110		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.1, D12.14, D381.1, E102.1, K67.6
BAGHOUSE, NO. 00DBE, BUSCH INTERNATIONAL, WITH 25 HEPA FILTERS,EACH 2FT W.X 1FTL.X 2FT H.,AND A 75-HP MIN. EXHAUST BLOWER, 4169 SQ.FT.; 196 BAGS A/N: 259468	C30	D5 D7 D13 C31 C109 D123 D124 D132		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.1, D12.14, D381.1, E102.1, K67.6
BAGHOUSE, NO. 00DCF, BUSCH INTERNATIONAL, WITH 25 HEPA FILTERS,EACH 2FT W.X 1FTL.X 2FT H.,AND A 75-HP MIN. EXHAUST BLOWER, 4169 SQ.FT.; 196 BAGS A/N: 259469	C31	D5 D7 D13 C30 C109 D123 D124 D132		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.1, D12.14, D381.1, E102.1, K67.6
BAGHOUSE, NO. 00DAG, BUSCH INTERNATIONAL, WITH 25 HEPA FILTERS,EACH 2FT W.X 1FTL.X 2FT H.,AND A 75-HP MIN. EXHAUST BLOWER, 4169 SQ.FT.; 196 BAGS A/N: 259470	C32	D5 D7 D13 C33 C109 D123 D124 D132		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.1, D12.14, D381.1, E102.1, K67.6
BAGHOUSE, NO. BEH, BUSCH INTERNATIONAL, WITH 25 HEPA FILTERS,EACH 2FT W.X 1FTL.X 2FT H.,AND A 75-HP MIN. EXHAUST BLOWER, 4169 SQ.FT.; 196 BAGS A/N: 275629	C33	C32 C34 D84 D85 D86		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.1, D12.14, D381.1, E102.1, K67.6

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Process 1: SECONDARY LEAD SMELTING					
BAGHOUSE, NO. BWI, BUSCH INTERNATIONAL, WITH 25 HEPA FILTERS,EACH 2FT W.X 1FTL.X 2FT H.,AND A 75-HP MIN. EXHAUST BLOWER, 4169 SQ.FT.; 196 BAGS A/N: 275631	C34	C33 D84 D85 D86		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.1, D12.14, D381.1, E102.1, K67.6
System 7: REVERBERATORY FURNACE SANITARY APCS					
BAGHOUSE, WHEELABRATOR, MODEL 126, 29568 SQ.FT.; 2112 BAGS A/N: 307569	C35	D3 D10 S36		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	A63.1, C6.1, D12.1, D12.5, D12.9, D381.1, E102.1, E193.1, H116.2, H116.3, K67.2
STACK, WITH AN EXHAUST SYSTEM WITH A 200-HP MINIMUM BLOWER, HEIGHT: 60 FT ; DIAMETER: 3 FT 6 IN A/N: 307569	S36	C35			D381.1
System 8: REVERBERATORY FURNACE PROCESS APCS					
COOLER, WATER JACKET TYPE, HEIGHT: 34 FT ; DIAMETER: 9 FT A/N: 390293	C37	D8 D9 C38		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	
KNOCK OUT POT, WITH A WATER SPRAY PUMP, HEIGHT: 34 FT ; DIAMETER: 5 FT A/N: 390293	C38	C37 C39		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	

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Process 1: SECONDARY LEAD SMELTING					
BAGHOUSE, PTFE MEMBRANE, WHEELABRATOR, 20782 SQ.FT.; 1440 BAGS A/N: 390293	C39	D11 C38 C40 C104		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	A63.1, C6.2, D12.1, D12.5, D12.9, D381.1, E102.1, E193.1, H116.2, H116.3, K67.2
COOLER, OXIDIZER GAS, PROCESS CHILLER, EDWARDS ENG., 7 FT-10 IN W. X 12 FT-6 IN L. X 5 FT-8 IN H. A/N: 390293	B102	B103			
REACTOR, OZONE GENERATOR, PCI/WEDCO, 133 KW ELECTRICALLY POWERED, WIDTH: 10 FT 5 IN; HEIGHT: 8 FT 9 IN; LENGTH: 15 FT 10 IN A/N: 390293	B103	B102 C107			
TOWER, REVERBERATORY FURNACE EXHAUST GAS, QUENCH WATER SPRAY, WITH TWO 20-H.P. WATER SPRAY PUMPS, HEIGHT: 21 FT 9 IN; DIAMETER: 7 FT 3 IN A/N: 390293	C104	C39 C105			
MIST ELIMINATOR, KOCH-OTTO YORK A/N: 390293	C105	C104 C107			
MIXER, OZONE AND EXHAUST GAS A/N: 390293	C107	B103 C105 C108			
REACTOR, BOC, NITROGEN OXIDES OXIDATION, TWO PASS, HEIGHT: 40 FT ; DIAMETER: 8 FT A/N: 390293	C108	C40 C107			

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Process 1: SECONDARY LEAD SMELTING					
SCRUBBER, TRAY, : EACH OF TWO VESSELS., HEIGHT: 20 FT ; DIAMETER: 10 FT A/N: 390293	C40	C39 S41 C108			C8.1, C8.4, D323.1, E51.1, H116.4, K67.5, K67.10
STACK, WITH AN EXHAUST SYSTEM WITH 2 BLOWERS, 250-HP MINIMUM TOTAL, HEIGHT: 60 FT ; DIAMETER: 3 FT 6 IN A/N: 390293	S41	C40			D323.1, D381.1
Process 2: BULK MATERIAL HANDLING AND PROCESSING					
System 1: BULK MATERIAL STORAGE SYSTEM					
STORAGE SILO, SODIUM CARBONATE RECEIVING AND STORAGE A/N: 107066	D74			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
STORAGE SILO, SODIUM CARBONATE RECEIVING AND STORAGE A/N: 107066	D75			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, PNEUMATIC, SODIUM CARBONATE, WITH FABRIC FILTER A/N: 107066	D76			**PM**: (9) [**RULE 404, 2-7-1986; RULE 405, 2-7-1986**]	D381.2
System 2: SODIUM CARBONATE RECEIVING, SLURRY PRODUCING AND TRANSFER SYSTEM					
TANK, SURGE, UNHEATED, SODIUM CARBONATE, SLURRY MIXING A/N: C07893	D53	C54		**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
FILTER, BAG, BIN VENT, PULSE JET TYPE, WITH FABRIC FILTER A/N: C07893	C54	D53		**PM**: (9) [**RULE 404, 2-7-1986**]	D322.1, D381.2

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: BULK MATERIAL HANDLING AND PROCESSING					
TANK, SURGE, UNHEATED, SODIUM CARBONATE, SLURRY MIXING A/N: C07893	D55			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
MIXER A/N: C07893	D56			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
System 3: WASTE DUST HANDLING SYSTEM					
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D59			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D60			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D61			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D62			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D63			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D64			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D65			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D66			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1

* (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
QUEMETCO INC

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: BULK MATERIAL HANDLING AND PROCESSING					
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D68			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D69			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D70			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D71			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CONVEYOR, SCREW, BAGHOUSE DUST A/N: 282721	D72			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
BUCKET ELEVATOR, BAGHOUSE DUST A/N: 282721	D73			**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
Process 3: FUEL STORAGE AND DISPENSING					
System 1: FUEL STORAGE AND DISPENSING SYSTEM					
STORAGE TANK, FIXED ROOF, WASTE OIL, 275 GALS A/N: 196915	D79				
STORAGE TANK, PRESSURIZED, PROPANE, 30000 GALS A/N: 196915	D80				H23.1
STORAGE TANK, PRESSURIZED, PROPANE, 30000 GALS A/N: 196915	D81				H23.1
Process 4: ELECTRIC POWER GENERATION EQUIPMENT					
System 1: EMERGENCY ELECTRICAL POWER SYSTEM					

* (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
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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: ELECTRIC POWER GENERATION EQUIPMENT					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL LTA10-G1, WITH AFTERCOOLER, TURBOCHARGER, 380 HP WITH A/N: 274208 GENERATOR	D83		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**: 6.24 LBS/1000 GAL DIESEL (1) [**RULE 2011, 5-6-2005**]	C1.1, C1.14, D12.2, H23.2, K67.3
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL KTA 19-G4, WITH AFTERCOOLER, TURBOCHARGER, 755 HP WITH A/N: 327355 GENERATOR	D92		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**: 6.24 LBS/1000 GAL DIESEL (1) [**RULE 2011, 5-6-2005**]	C1.1, C1.14, D12.2, H23.2, K67.3
Process 5: RULE 219 EXEMPT EQUIPMENT/PROCESSES WITH SOURCE-SPECIFIC REQUIREMENTS					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E97			**ROG**: (9) [**RULE 1113, 11-8-1996;** *RULE 1113, 7-9-2004;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-6-2005*]	K67.4

* (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
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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
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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D1	1	1	1
C2	3	1	1
D3	4	1	2
D5	4	1	2
D6	4	1	2
D7	4	1	2
D8	5	1	3
D10	5	1	3
D11	5	1	3
D13	5	1	3
D16	7	1	5
D17	7	1	5
D18	7	1	5
D19	7	1	5
D20	8	1	5
C21	8	1	5
D22	8	1	5
D23	8	1	5
S24	9	1	5
D25	9	1	6
C26	9	1	6
C27	9	1	6
C28	9	1	6
C29	10	1	6
C30	10	1	6
C31	10	1	6
C32	10	1	6
C33	10	1	6
C34	11	1	6
C35	11	1	7
S36	11	1	7
C37	11	1	8
C38	11	1	8
C39	12	1	8
C40	13	1	8

FACILITY PERMIT TO OPERATE
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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
S41	13	1	8
D53	13	2	2
C54	13	2	2
D55	14	2	2
D56	14	2	2
D59	14	2	3
D60	14	2	3
D61	14	2	3
D62	14	2	3
D63	14	2	3
D64	14	2	3
D65	14	2	3
D66	14	2	3
D68	15	2	3
D69	15	2	3
D70	15	2	3
D71	15	2	3
D72	15	2	3
D73	15	2	3
D74	13	2	1
D75	13	2	1
D76	13	2	1
D79	15	3	1
D80	15	3	1
D81	15	3	1
D83	16	4	1
D84	6	1	4
D85	6	1	4
D86	6	1	4
C88	6	1	4
C89	6	1	4
S90	7	1	4
D92	16	4	1
E97	16	5	0
D98	5	1	3

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D99	8	1	5
D100	8	1	5
B102	12	1	8
B103	12	1	8
C104	12	1	8
C105	12	1	8
C107	12	1	8
C108	12	1	8
C109	4	1	1
D110	5	1	3
D112	1	1	1
D113	1	1	1
D115	1	1	1
D116	1	1	1
D117	1	1	1
D118	1	1	1
D119	2	1	1
D120	2	1	1
D121	2	1	1
D122	2	1	1
D123	2	1	1
D124	2	1	1
D125	2	1	1
D126	2	1	1
D127	2	1	1
D128	2	1	1
D130	3	1	1
D131	3	1	1
D132	3	1	1
D133	3	1	1
D134	3	1	1
D135	3	1	1
D136	3	1	1
D137	3	1	1
S164	9	1	5

FACILITY PERMIT TO OPERATE
QUEMETCO INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

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]

F16.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records shall be kept to demonstrate compliance with the following conditions, pursuant to the Rule 1407 Compliance Plan for this facility:

1. This facility shall be operated in accordance with the requirements specified in subparts (d)(1), (d)(3), (d)(5), (e), and (g)(1) of Rule 1407.

2. The slag furnace and reverberatory furnace process air pollution control systems shall be operated pursuant to all requirements stated in this condition, with the exception of the temperature requirement of Rule 1407 (d)(3).

[RULE 1407, 7-8-1994; **40CFR 63 Subpart X, #02, 6-23-2003**]

F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

Rule 1420.1

A. The total facility mass lead emissions from all lead point sources shall not exceed 0.045 pounds of lead per hour.

B. The total facility and maximum emission rates shall be determined using the most recent source tests conducted by the facility or the District.

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QUEMETCO INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1420.1, 11-5-2010]

SYSTEM CONDITIONS

S53.1 The following conditions shall apply to the equipment in this system:

The operator shall maintain the level of plastic separation in this system as follows:
For each calendar quarter, the ratio of the total amount of separated plastic shipped offsite in that quarter to the total amount of raw lead metal produced from the reverberatory and lead slag furnaces in that quarter shall be 0.05 or greater.
The daily and daily month-to-date (MTD) total amounts of raw lead metal produced, and plastic shipped offsite, shall be recorded in the COI Plant Activity Report (COI).
The operator shall calculate the plastic to lead metal ratios using the total amounts of plastic and lead produced in the final end of the calendar month COI reports. The plastic to lead metal ratios, for the previous calendar month, and for the previous calendar quarter, shall be reported in both the Daily Production Reports (DPR) and in the COI reports for this facility.
The final end of the calendar month amounts of plastic shall be based on bills of lading and/or other equivalent shipment records or manifests documenting total weight of plastic shipped offsite, and the raw lead metal produced shall be based on the total number and weights of raw lead bullion molds/ingots cast and recorded each work shift each day by the reverberatory/slag furnace operator(s).

[**RULE 204, 10-8-1993**]

[Systems subject to this condition : Process 1, System 1]

DEVICE CONDITIONS

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than 20 Percent opacity

[**40CFR 60 Subpart L, 12-3-1976**]

[Devices subject to this condition : C35, C39, C88]

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 186 LBS IN ANY ONE DAY
CO	Less than or equal to 179 LBS IN ANY ONE DAY
PM10	Less than or equal to 8 LBS IN ANY ONE DAY

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D3]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 27 LBS IN ANY ONE DAY

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

CO	Less than or equal to 19 LBS IN ANY ONE DAY
PM10	Less than or equal to 38 LBS IN ANY ONE DAY

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D8]

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 46 LBS IN ANY ONE DAY
CO	Less than or equal to 33 LBS IN ANY ONE DAY
PM10	Less than or equal to 11 LBS IN ANY ONE DAY

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D84]

A63.5 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than 10 Percent opacity

[**40CFR 60 Subpart L, 12-3-1976**]

[Devices subject to this condition : D16, D17, D18, D19, D20, C21, D99, D100]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B. Material/Fuel Type Limits

B59.1 The operator shall not use the following material(s) in this device :

coal, charcoal, rubber, plastic, paper, rags, oil, grease, or metal contaminated with any of these materials.

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

[Devices subject to this condition : D16, D17, D18, D19, D20, D99, D100]

B59.2 The operator shall not use the following material(s) in this device :

With the exception of the specific materials listed in condition nos. B163.2 and B163.3, all other types of organic materials including, but not limited to, coal, charcoal, rubber, plastic, paper, rags, oil, grease, or metal contaminated with any of these materials

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

[Devices subject to this condition : D3, D8, D84]

B75.1 The operator shall not use propane in this equipment except under the following circumstance(s):

Natural gas curtailment

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

[Devices subject to this condition : D3, D8]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B75.2 The operator shall not use propane in this equipment except under the following circumstance(s):

Natural gas curtailment

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D16, D17, D18, D19, D20, D99, D100]

B163.2 The operator shall only use feed materials containing the following:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

aluminum oxide and carbonate

calcined carbon coke

calcium oxide and carbonate

flue dust generated on-site

inorganic lead compounds

iron oxide and carbonate

lead dross

lime

limestone

magnesium oxide and carbonate

metallic iron

metallic steel

reverberatory furnace slag

silica and silica sand

sodium borate

sodium carbonate

[RULE 1401, 12-7-1990]

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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 : D84]

B163.3 The operator shall only use feed materials containing the following:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

aluminum oxide and carbonate

battery crusher material

calcined carbon coke

calcium oxide and carbonate

flue dust generated on-site

inorganic lead compounds

iron oxide and carbonate

lead dross

lime

limestone

magnesium oxide and carbonate

metallic iron, metallic steel and/or metallic lead

paper from additive bags

reverberatory furnace slag

rubber and plastic that is not removed from battery crusher material processed by the permitted battery crushing and material separation system

silica and silica sand

slag furnace slag

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

sodium borate

sodium carbonate

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D3, D8]

B163.4 The operator shall only use feed materials containing the following:

Lead-acid batteries and lead-acid battery components

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D1]

B295.3 For the purpose of NOX RECLAIM emission factor, the material shall be defined as total material charged to the reverberatory furnace.

[**RULE 2012, 5-6-2005**]

[Devices subject to this condition : D84]

B295.4 For the purpose of SOX RECLAIM emission factor, the material shall be defined as total material charged to the reverberatory furnace.

[**RULE 2011, 5-6-2005**]

[Devices subject to this condition : D84]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the operating time to no more than 200 hours in any one year.

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D83, D92]

C1.2 The operator shall limit the material processed to no more than 640 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as the total weight of all materials.

This limit shall be based on the total combined limit for all pot furnaces.

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

[Devices subject to this condition : D16, D17, D18, D19, D20, D99, D100]

C1.3 The operator shall limit the material processed to no more than 45750 lb(s) in any one calendar month.

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

This limit shall be based on the total combined limit for all pot furnaces.

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

[Devices subject to this condition : D16, D17, D18, D19, D20, D99, D100]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.4 The operator shall limit the material processed to no more than 400 lb(s)/hr.

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

This limit shall be based on the total combined limit for all pot furnaces.

[**RULE 2005, 5-6-2005; RULE 2011, 5-6-2005**]

[Devices subject to this condition : D16, D17, D18, D19, D20, D99, D100]

C1.7 The operator shall limit the material processed to no more than 600 ton(s) in any one day.

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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 the total weight of all materials charged to the reverberatory furnace. This total weight shall be the same as the total weight of all materials charged to the rotary dryer furnace. This condition shall not apply to baghouse dust generated on-site. To comply with this condition, the process weight shall be determined according to the following method.

1) The operator shall use a skip loader equipped with a Loadrite weighing system, and the hardware and software system (network) referred to as the Supervisory Control And Data Acquisition System (SCADA), to measure and record the weight of all materials charged to the rotary dryer feed hopper in accordance with all data and specifications submitted to the AQMD under Application No. 442948 unless otherwise specified below.

2) Except for calcined carbon coke, all feed material shall be charged to the rotary dryer and the reverberatory furnaces through the feed hopper serving the rotary dryer furnace.

3) Calcined carbon coke shall be staged in a dedicated pile prior to charging it to the main rotary dryer feed conveyor. The total amount of all carbon coke charged shall also be weighed and recorded by the Loadrite weighing system.

4) The SCADA shall process the information from the Loadrite weighing system and record the skip loader identification, calendar date, chronological time and process weight, in pounds, of each bucket load of material charged to the rotary dryer feed hopper and the total weight of all coke charged, respectively, as well as the total load count for each day.

5) A motion detection system, consisting of a photoelectric sensor, a video camera and a video motion detector, shall be installed at the rotary dryer feed hopper, and maintained in proper operation at all times, to indicate when a bucket load is charged to this hopper. The SCADA shall process the information from this system and record the chronological time of each bucket load and the total count of all loads charged to the rotary dryer feed hopper each day.

6) The time stamps of all devices, including the Loadrite systems, shall be

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

synchronized with respect to the time of day, and with each other, within plus or minus 180 seconds.

7) The rotary dryer feed hopper photoelectric sensor shall provide an electronic signal to a circular chart recorder which shall record one tick mark for each instance that a bucket load is charged to the hopper, and, simultaneously, to a non-resettable totalizing counter which counts the total number of loads charged. One separate circular data chart shall be produced for each day.

8) The photoelectric sensor, circular chart recorder, and totalizing counter shall be electrically configured to be independent of the SCADA network, and maintained in operation at all times.

9) The chart recorder, and the totalizing counter, shall be installed in the control room adjacent to the furnace area easily accessible to AQMD personnel. Each circular chart shall be clearly identified with the calendar date(s), starting time, ending time, starting totalizer count, and ending totalizer count that applies to the tick marks recorded on each chart. Each chart shall also be signed by the shift supervisor present on duty at the time that the chart paper is replaced in the recorder.

10) A manual verification of each charging event recorded by the SCADA and chart recorder shall be performed every two hours initially until otherwise approved in writing by the AQMD. Quemetco shall record the result of each verification in the comment section of the Daily Production Report (DPR) for this facility. If the number of load counts do not match, an explanation of causes and corrective actions taken (if required) shall be included in the DPR.

11) If at any time, the weighing system fails to record the weight of a bucket load charged to the rotary dryer hopper, as evidenced by no weight entry associated with a time stamp or a load count inconsistent with that of the photoelectric sensor system (i.e., a missing data event), a default weight of 15,000 pounds shall be added into the record for each missed weight measurement (i.e. each charging event missing a corresponding measured weight value).

12) For the purpose of this condition, a false positive shall be defined as a missing

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

data event not related to the charging of material into the rotary dryer feed hopper.

13) The default weight requirement in subpart 11 of this condition shall not apply for events where the video camera record, in conjunction with the video motion detector, clearly demonstrates that no missing data event occurred (i.e., a false positive event). In cases where the record shows that a missing data event was a false positive, Quemetco shall provide a notation in the daily log identifying the cause for the false positive.

14) If the number of missing data events (not counting false positives) exceeds four (4) in any two (2) hour recording period, Quemetco shall cease the charging of all materials to the rotary and reverberatory furnaces until all the factors causing the missing data events have been identified and corrected.

15) The number of missing data events (not counting false positives) shall not exceed ten (10) in any one 24 hour period.

16) Quemetco shall maintain standardized test weights for calibrating the Loadrite units. Each standardized test weight shall have a mass not less than 6000 pounds, and not more than 7500 pounds. In addition, each standard test weight shall be engraved or stamped with a unique serial number and the weight value in pounds.

17) The mass of each test weight shall be verified using a certified truck scale, not less than once per calendar month, and prior to the first use of the test weight. All calibrations of standard test weights shall be accompanied by truck scale weight tickets showing the tare and final weights used to assign the true weight to each standard test weight.

18) The truck scale shall have an active certification obtained from a governmental body with jurisdiction over truck scale calibrations, such as the State of California Department of Transportation.

19) Quemetco shall perform a calibration of each Loadrite unit in use by measuring the weight of standardized test weights at least daily at the beginning of each operation day. A total of two (2) standard test weights shall be used for each Loadrite

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

calibration (i.e., a total bucket calibration weight of 12,000 to 15,000 lbs).

20) The value measured for the standardized test weight by a Loadrite unit in service shall not deviate from the actual value of the standard test weight by greater than three (3) percent.

21) Any standard test weight which becomes damaged, broken, or physically altered in a way which can cause a weight deviation of more than 100 pounds shall be immediately removed from service as a standard until it is recalibrated using the certified truck scale.

22) Not later than 30 days after this condition becomes effective, Quemetco shall submit a revised written Standard Operating Procedure (SOP) for the operation of the Loadrite load cell weighing system for AQMD approval. The written SOP shall comply with all requirements stated in this permit condition. Quemetco shall comply with the revised written SOP unless otherwise approved in writing by the AQMD.

23) Quemetco shall submit monthly reports documenting each bucket weight charged, each missing data event, and the total tons of material charged for each day of the month as well as all calibration data, and all operational anomalies associated with the furnace operation and/or feed weighing system operations.

24) Each report required by subpart 23 of these conditions shall be submitted to the AQMD's Toxics Team not later than the 10th day of the following month, for each month in the first six months following the issue date of this permit, and semiannually thereafter.

25) The semiannual report (required by subpart 23 of these conditions) covering January through June, inclusive, shall be submitted not later than August 31 of the same calendar year. The semiannual report covering July through December, inclusive, shall be submitted not later than February 28 of the following calendar year.

26) Quemetco shall keep and maintain all records required by this condition, including, but not limited to, serial number of each test weight, mass (in pounds) of

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

each test weight, records of each test weight calibration, records of each test weight recalibration due to damage, recorder charts, Loadrite calibration data, daily production records, and daily read-only electronic records from SCADA (e.g., in the TIFF or PDF universal image formats).

27) All records required by this condition shall be kept onsite for a minimum of five years and made available to District personnel upon request. For those records which are generated in an electronic format, Quemetco shall comply with this condition by maintaining the electronic format of the records.

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 12-7-1990]

[Devices subject to this condition : D3, D8]

C1.8 The operator shall limit the material processed to no more than 600,000 lb(s) in any one month.

For the purpose of this condition, material processed shall be defined as the combined, total amount of calcined carbon coke charged to the rotary dryer and reverberatory furnaces each calendar month.

The operator shall also limit the maximum combined daily amount of calcined carbon coke charged to the rotary dryer and reverberatory furnaces to no more than 32,700 lb(s) in any one day.

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

[Devices subject to this condition : D3, D8]

C1.9 The operator shall limit the natural gas fuel usage to no more than 252000 cubic feet per day.

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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 : D3]

C1.10 The operator shall limit the propane fuel usage to no more than 2750 gallon(s) per day.

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

[Devices subject to this condition : D3]

C1.11 The operator shall limit the natural gas fuel usage to no more than 777000 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 : D8]

C1.12 The operator shall limit the propane fuel usage to no more than 8510 gallon(s) per day.

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

[Devices subject to this condition : D8]

C1.13 The operator shall limit the material processed to no more than 20016 lb(s) in any one day.

For the purpose of this condition, material processed shall be defined as the total amount of calcined carbon coke charged to the slag furnace.

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

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

[Devices subject to this condition : D84]

C1.14 The operator shall limit the maintenance testing to no more than 0.5 hour(s) per week.

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

[Devices subject to this condition : D83, D92]

C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 275 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1407, 7-8-1994]

[Devices subject to this condition : C35]

C6.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 450 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

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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 1407, 7-8-1994]

[Devices subject to this condition : C39, C88]

C6.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 290 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1407, 7-8-1994]

[Devices subject to this condition : C21]

C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 330 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the exhaust duct located at the end of the rotary dryer furnace opposite the burner location. The readout from this device shall be referred to as the "rotary dryer exhaust temperature".

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 12-7-1990]

[Devices subject to this condition : D3]

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

C8.1 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 8.9 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH in the recirculation tank serving the scrubber.

Each pH meter shall be equipped with a chart recorder to continuously monitor and record the pH in the recirculation tank serving the scrubber.

[**RULE 2005, 5-6-2005**]

[Devices subject to this condition : C40]

C8.2 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 9.4 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH in the recirculation tank serving the scrubber.

Each pH meter shall be equipped with a chart recorder to continuously monitor and record the pH in the recirculation tank serving the scrubber.

[**RULE 2005, 5-6-2005**]

[Devices subject to this condition : C89]

C8.3 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 66 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the liquid supply lines to the top, and middle, each, of the absorber vessel.

[**RULE 2005, 5-6-2005**]

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

[Devices subject to this condition : C89]

C8.4 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 80 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the liquid supply lines to the top of each absorber vessel.

[**RULE 2005, 5-6-2005**]

[Devices subject to this condition : C40]

C303.1 The operator shall limit oxygen enrichment percent to between the amount specified by the following equation: OE = (OF x 100)/(OF + AF)

where:

- OE = oxygen enrichment percent.

- OF = standard cubic feet of gaseous oxygen supplied to a set of burners in any one day.

- AF = standard cubic feet of air supplied to a set of burners in any one day.

- And where the value of OE is limited to the following amounts.

- For the reverberatory furnace, OE = 56.0 to 82.0 percent.

[**RULE 2005, 5-6-2005; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D8]

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

C303.2 The operator shall limit oxygen enrichment percent to no more than the amount specified by the following equation: OE = (OF x 100)/(OF + AF)

where:

- OE = oxygen enrichment percent.

- OF = standard cubic feet of gaseous oxygen supplied to a set of burners in any one day.

- AF = standard cubic feet of air supplied to a set of burners in any one day.

- And where the value of OE is limited to the following amounts.

- For the rotary dryer, OE = 6.0 percent maximum.

[**RULE 2005, 5-6-2005; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D3]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags, in inches water column.

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

[Devices subject to this condition : C21, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C39, C88]

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

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

[RULE 1110.2, 6-3-2005; **RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1) -BACT, 12-6-2002; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 3-4-2005; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D83, D92]

D12.5 The operator shall install and maintain a(n) triboelectric-type broken bag detector to accurately indicate the existence of a leak in the baghouse bags.

[RULE 1401, 12-7-1990; RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; **40CFR 63 Subpart X, #02, 6-23-2003; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C21, C35, C39, C88]

D12.9 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the baghouse inlet or outlet duct, in feet per minute.

[RULE 1407, 7-8-1994]

[Devices subject to this condition : C21, C35, C39, C88]

D12.10 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

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

[Devices subject to this condition : D3, D8]

D12.11 The operator shall install and maintain a(n) pressure gauge to accurately indicate the pressure in the oxygen supply line to this equipment, in pounds per square inch.

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

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 2005, 5-6-2005**]

[Devices subject to this condition : D3, D8]

D12.12 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the oxygen gas supply line to this equipment. The flow meter shall totalize the oxygen flow rate and it shall provide the oxygen usage in units of total standard cubic feet.

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

[Devices subject to this condition : D3, D8]

D12.13 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the combustion air supply line to this equipment. The flow meter shall totalize the combustion air flow rate and it shall provide the air consumption in units of total standard cubic feet.

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

[Devices subject to this condition : D3, D8]

D12.14 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the HEPA filters, in inches water column.

The static pressure differential across the HEPA filters shall not exceed 3 inches of water column.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 63 Subpart X, #02, 6-23-2003**]

[Devices subject to this condition : C26, C27, C28, C29, C30, C31, C32, C33, C34]

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

D182.4 The operator shall test this equipment in accordance with the following specifications:

A. The operator shall demonstrate compliance with all applicable ROG, CO, PM, PM10, lead and visible emission limits by conducting a source test no later than July 1, 2008, and not less than once every three years thereafter, using approved AQMD methods.

B. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with all applicable rule limits.

C. The operator shall comply with all general testing, reporting, and recordkeeping requirements in sections E and K of this permit.

D. The deadline for the initial WESP stack outlet tests (on Device S159) may be extended beyond July 1, 2008 upon written approval by the Executive Officer, provided that the extension is in full compliance with the Rule 1402 Risk Reduction Plan in effect at the time. To effect this extension, the operator shall submit a written request detailing the status of the project and the reasons why the extension is necessary at least 60 days prior to the deadline.

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984;** RULE 401, 11-9-2001; **RULE 404, 2-7-1986; RULE 405, 2-7-1986; RULE 407, 4-2-1982; 40CFR 60 Subpart L, 12-3-1976; 40CFR 63 Subpart X, #02, 6-23-2003; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : D3, D8, D84]

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

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

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

[Devices subject to this condition : C54]

D322.2 The operator shall perform a weekly inspection of the rotary dryer furnace and remove internal build-up of feed material adhering to the internal surface of the rotary dryer furnace.

To comply with this condition, the operator shall ,within 24 hours following the discovery of material build-up, remove material which has fused and/or adhered to the internal surface of the rotary dryer furnace.

To comply with this condition, the operator shall maintain a weekly written or hard copy report of each rotary dryer furnace inspection, including a full description of any maintenance work performed on this furnace. This weekly report shall be signed by the supervisor on duty during the shift when the inspection and/or maintenance activity is completed. This report shall be presented to AQMD personnel upon request.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 12-7-1990]

[Devices subject to this condition : D3]

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

D323.1 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 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.

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

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984;** RULE 401, 11-9-2001]

[Devices subject to this condition : D1, C2, D3, D5, D6, D7, D8, D16, D17, D18, D19, D20, D22, D23, S24, D25, C40, S41, D53, D55, D56, D59, D60, D61, D62, D63, D64, D65, D66, D68, D69, D70, D71, D72, D73, D74, D75, D84, C89, S90, D99, D100]

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 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; RULE 401, 3-2-1984;** RULE 401, 11-9-2001; **40CFR 60 Subpart L, 12-3-1976; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C21, S24, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, S36, C39, S41, C88, S90]

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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 an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

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

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions; and

3). Date and time visible emission was abated.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984;** RULE 401, 11-9-2001]

[Devices subject to this condition : C54, D76]

E. Equipment Operation/Construction Requirements

E51.1 The following condition number(s) shall not apply if all of the requirements stated below are met:

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

Condition Number C 8- 1

Condition Number C 8- 4

Requirement number 1: The SOx CEMS on the reverberatory furnace process air pollution control system outlet is in full operation

[**RULE 2005, 5-6-2005**]

[Devices subject to this condition : C40]

E57.1 The operator shall vent this equipment to the refinery baghouse of Device No. C21 whenever any chemicals or reagents are charged to the lead melting pot furnaces, including, but not limited to, fluxing, refining, and/or alloying materials.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D16, D17, D18, D19, D20, D99, D100]

E57.2 The operator shall vent this equipment to room ventilation baghouses equipped with HEPA filters whenever the pot furnaces are used only for melting lead or holding molten lead where no fluxing, refining, and/or alloying is performed. For the purpose of this condition, venting means operating in an enclosed building which is vented to room ventilation baghouses.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D16, D17, D18, D19, D20, D99, D100]

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

E71.1 The operator shall only operate this equipment if the concentration of oxides of nitrogen (NOx) in the combustion exhaust gas stack does not exceed 10 PPMv NOx at 3 percent oxygen.

[**RULE 2005, 5-6-2005; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D100]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

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

[Devices subject to this condition : C21, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C39, C88]

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

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

A. The triboelectric-type broken bag detector shall be maintained in full operation whenever the equipment it serves is in operation.

B. The operator shall operate and maintain the triboelectric-type broken bag detector with a continuous monitoring system consisting of visual and audible alarms.

C. A printout of the high level alarm log shall be generated from the computer system interfaced with each broken bag detector system each calendar day. This printout shall be saved as a hard copy, or saved in electronic TIFF or PDF format each day. This printout shall display, in graphical form, the analog output signal from the triboelectric sensor.

D. The detector shall be maintained in accordance with the specifications defined in the operating instructions from the manufacturer. The detector zero point calibration shall be performed not less than once every twelve months in accordance with the procedures specified by the manufacturer, as submitted under Application No. 436957, and/or as amended.

E. Whenever the manufacturer(s) or current procedure(s) for setting the annual zero point on the triboelectric-type broken bag detectors changes, the operator shall submit a revised set of written procedures to the AQMD and shall make these procedures and associated records available upon request by AQMD personnel.

F. For the purpose of this condition, a deviation shall be defined as the indication by the triboelectric-type broken bag detector alarm of the existence of a leak in the baghouse bags during the operation of the equipment it serves.

G. Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

H. 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

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

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.

I. The operator shall submit an application with a 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.

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

K. The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; **40CFR 63 Subpart X, #02, 6-23-2003; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C21, C35, C39, C88]

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

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

A) The connections between the pot furnaces (device nos. D16, D17, D18, D19 ,D20, D99, and D100) and the wet electrostatic precipitator (WESP) exhaust intake manifold (device no. B138) shall be defined as the connection between the pot furnace burner exhaust stack and the WESP system.

B) The connection between the pot furnace burner exhaust stack and the WESP exhaust intake manifold shall be located downstream of the pot furnace burner exhaust system NOx continuous emissions monitoring system (CEMS).

C) The operator shall maintain RECLAIM certification of both the pot furnace burner exhaust CEMS and the WESP stack CEMS.

D) The burner exhaust gas stream from the refining pot furnaces shall be diverted, by means of a damper system, to the WESP exhaust intake manifold at all times that the WESP system is in operation.

E) A monitoring and recording device shall be installed and maintained which indicates and records the positions (open or closed) of the pot furnace burner exhaust stack damper.

F) When the pot furnace combustion gas stack outlet damper is closed, and the exhaust gas damper from the pot furnace burner stack to the WESP exhaust intake manifold is open, the RECLAIM NOx emissions recorded by the pot furnace burner exhaust CEMS shall be deducted from the total facility RECLAIM NOx emissions recorded by the WESP stack certified NOx CEMS.

G) When the pot furnace burner exhaust stack damper is open to the atmosphere, the RECLAIM NOx emissions for the pot furnaces shall be reported via the certified pot furnace burner exhaust NOx CEMS.

H) Upon connection of the pot furnace burner exhaust stack to the WESP exhaust intake manifold, any period of time involving operation of the pot furnaces with the burner exhaust gas vented directly to atmosphere, shall be defined to be a period of abnormal operation.

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

I) During each event of abnormal operation, as defined in this condition, and/or during each event when the WESP system malfunctions and/or is not in full operation, the operator shall record the reason(s) for each event.

J) The operator shall keep and maintain all records required by this condition for a minimum of five years and shall make these records available to AQMD personnel upon request. These records shall be kept onsite and shall include, but not be limited to, monitoring records of each stack damper position (open and closed), and reasons.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **RULE 2012, 5-6-2005; 40CFR 63 Subpart X, #02, 6-23-2003**]

[Devices subject to this condition : D16, D17, D18, D19, D20, D99, D100]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Total hydrocarbon	District Rule	463
ROG	District Rule	466.1

[**RULE 463, 5-6-2005; RULE 466.1, 5-2-1980;** RULE 466.1, 3-16-1984]

[Devices subject to this condition : D80, D81]

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

Contaminant	Rule	Rule/Subpart

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

Total hydrocarbon	District Rule	1470
ROG	District Rule	1470
NOX	District Rule	1470
CO	District Rule	1470
PM	District Rule	1470

[RULE 1470, 3-4-2005]

[Devices subject to this condition : D83, D92]

H116.2 The operator shall ensure that the exhaust system conforms to design and operation specifications given in the most current edition of "Industrial Ventilation, Guidelines and Recommended Practices", published by the American Conference of Governmental and Industrial Hygienists (20th edition or thereafter). in order to comply with Rules 1407 and 1420 whenever the equipment vented by this air pollution control system is in operation.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; **40CFR 63 Subpart X, #02, 6-23-2003**]

[Devices subject to this condition : C21, C35, C39, C88]

H116.3 The operator shall ensure that the bag leak detection system meets the requirements of 40 CFR Part 63, Subpart X, Sections 63.548 (e) (1) through (e) (8), and shall follow the procedures outlined in the USEPAs Fabric Filter Bag Leak Detection Guidance dated September 1997 or any revisions thereafter in order to comply with the National Emissions Standards for Secondary Lead Smelting whenever this equipment is in operation.

[**40CFR 63 Subpart X, #02, 6-23-2003; 40CFR Part 64, 10-22-1997**]

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

[Devices subject to this condition : C21, C35, C39, C88]

H116.4 The operator shall operate the ozone generator of device B103 in such a manner that the amount of oxides of nitrogen controlled by the scrubber of device C40 is sufficient in order to comply with the Rule 2009.1 plan approved for this facility whenever the reverberatory furnace is in operation.

[**RULE 2012, 5-6-2005**]

[Devices subject to this condition : C40]

K. Record Keeping/Reporting

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The total quantity, in pounds, of calcined carbon coke charged to the slag furnace.

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

[Devices subject to this condition : D84]

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

The calendar dates on which triboelectric-type broken bag detector calibrations are performed.

A copy of the zero point calibration procedure used to calibrate the triboelectric-type broken bag detector.

Records from the baghouse inlet temperature recording device.

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

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1407, 7-8-1994; **40CFR 63 Subpart X, #02, 6-23-2003; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C21, C35, C39, C88]

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

An engine operating log shall be maintained which on a monthly basis shall include manual and automatic hours of operation, which identifies:

A. Emergency use hours of operation

B. Maintenance and testing hours

C. Other operating hours (describe the reason for operation)

In addition, each time the engine is started manually, the log shall include the date of operation and the timer reading in hours at the beginning and end of operation. The log shall be kept for a minimum of three calendar years prior to the current year and made available to district personnel upon request. The total hours of operation for the previous calendar year shall be recorded not later than January 15 of each year.

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 3-4-2005; **RULE 204, 10-8-1993**]

[Devices subject to this condition : D83, D92]

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

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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 1113, 11-8-1996;** RULE 1113, 7-9-2004; **RULE 1171, 11-7-2003;** RULE 1171, 5-6-2005; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : E97]

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The pressure drop and water flow rate of this equipment shall be monitored and recorded at least once every hour.

[**RULE 2011, 5-6-2005**]

[Devices subject to this condition : C40, C89]

K67.6 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The pressure drop across the HEPA filter system shall be monitored and recorded daily.

[**40CFR 63 Subpart X, #02, 6-23-2003; 40CFR Part 64, 10-22-1997**]

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

[Devices subject to this condition : C26, C27, C28, C29, C30, C31, C32, C33, C34]

K67.9 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

A daily operating log documenting absorber liquid flow rate, in gallons per minute, and liquid pH, with entries made at intervals not to exceed 4 hours.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 2011, 5-6-2005**]

[Devices subject to this condition : C89]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

A daily operating log documenting absorber liquid flow rate, in gallons per minute, and liquid pH, with entries made at intervals not to exceed 4 hours, whenever the SOx CEMS is not in full operation.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 2011, 5-6-2005**]

[Devices subject to this condition : C40]

K67.11 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

The total quantity, in standard cubic feet, of natural gas consumed in the rotary dryer furnace.

The total quantity, in gallons, of propane consumed in the rotary dryer furnace.

The total quantity, in standard cubic feet, of enrichment oxygen supplied to the rotary dryer furnace.

The total quantity, in standard cubic feet, of combustion air, supplied to the rotary dryer furnace.

The daily average level of oxygen enrichment percent calculated for the rotary dryer furnace.

The rotary dryer exhaust temperature, once per shift, in Deg F

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

[Devices subject to this condition : D3]

K67.12 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

The total quantity, in pounds each, of total material and calcined carbon coke, charged to the reverberatory furnace and rotary dryer, respectively.

The total quantity, in standard cubic feet, of natural gas consumed in the reverberatory furnace.

The total quantity, in gallons, of propane consumed in the reverberatory furnace.

The total quantity, in standard cubic feet, of enrichment oxygen supplied to the reverberatory furnace.

The total quantity, in standard cubic feet, of combustion air supplied to the reverberatory furnace.

The daily average level of oxygen enrichment percent calculated for the reverberatory furnace.

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

[Devices subject to this condition : D8]

K67.13 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

The total amount, in tons, of raw lead metal produced by the reverberatory furnace each day, each calendar month and each calendar quarter.

The total amount, in tons, of raw lead metal produced by the lead slag furnace each day, each calendar month and each calendar quarter.

The total amount, in tons, of separated plastic shipped offsite each day, each calendar month and each calendar quarter.

The ratio of the total tons of separated plastic shipped off site to the combined, total tons of raw lead metal produced by the reverberatory and lead slag furnaces each calendar quarter.

[**RULE 204, 10-8-1993**]

[Devices subject to this condition : D1, D8, D84]

K67.14 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The total amount, in pounds, of sulfur charged to the pot furnaces each hour.

The total amount, in pounds, of sulfur charged to the pot furnaces each day.

The total amount, in pounds, of phosphorous charged to the pot furnaces each day.

The total amount, in pounds, of phosphorous charged to the pot furnaces each calendar month.

The total amount, in tons, of all materials charged to the pot furnaces each day.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 12-7-1990]

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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 : D16, D17, D18, D19, D20, D99, D100]

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SECTION E: ADMINISTRATIVE CONDITIONS

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

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

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

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

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

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

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

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

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SECTION E: ADMINISTRATIVE CONDITIONS

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

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

   a. Three years for a facility not subject to Title V; or

   b. Five years for a facility subject to Title V.

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

   a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]

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

   c. For a large NOx source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]

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

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

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

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

8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulations, except those listed in Table 1 of Rule 2001 for NOx RECLAIM sources and Table 2 of Rule 2001 for SOx RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NOx or SOx emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NOx or SOx source, respectively. [2001]

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

a. Brief description of the equipment tested.

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b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.

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

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

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

f. Description of calibration and quality assurance procedures.

g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).

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

a. The results of the source test.

b. Brief description of the equipment tested.

c. Operating conditions under which test will be performed.

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

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

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

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

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

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

I. NOx Monitoring Conditions

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NOx source to continuously measure the concentration of NOx emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NOx emissions rate from each source. The time-sharing of CEMS among NOx sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2012]

2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2012]

3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2012. [2012]

4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2012, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
   a. compliance with the annual Allocation;
   b. excess emissions;
   c. the amount of penalties; and
   d. fees.

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

5. Follow missing data procedures as specified in Rule 2012 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
   a. compliance with the annual Allocation;
   b. excess emissions;
   c. the amount of penalties; and
   d. fees.

B. The Operator of a NOx large Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter and any device specified by the Executive Officer as necessary to determine monthly fuel usage or other applicable variables specified in Rule 2012, Appendix A, Table 3-A. The sharing of totalizing fuel meter may be allowed by the Executive Officer if the fuel meter serves large sources which have the same emission factor, concentration limit, or emission rate. The sharing of totalizing fuel meters shall not be allowed for large sources which are required to comply with an annual heat input limit. [2012]

2. Comply at all times with the specified NOx concentration limit in PPM measured over any continuous 60 minutes for that source or establish an equipment-specific emission rate that is reliable, accurate, representative of that sources emissions, and in accordance with the requirements specified in Rule 2012, Appendix A, Chapter 5. [2012]

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall, as applicable:

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2012, Table 2012-1, and Rule 2012, Appendix A, Table 4-A. The sharing of totalizing fuel meters may be allowed by the Executive Officer if the fuel meter serves process units which have the same emission factor or emission rate. The sharing of totalizing meter shall not be allowed for process units which are required to comply with an annual heat input limit. [2012]

II. NOx Source Testing and Tune-up conditions

1. The operator shall conduct all required NOx source testing in compliance with an AQMD-approved source test protocol. [2012]

2. The operator shall, as applicable, conduct source tests for every large NOx source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NOx concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]

3. All NOx large sources and NOx process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

III. SOx monitoring conditions

D. The Operator of a SOx Major Source, as defined in Rule 2011, shall, as applicable:

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major SOx source to continuously measure the concentration of SOx emissions or fuel sulfur content and all other applicable variables specified in Rule 2011, Table 2011-1 and Rule 2011, Appendix A, Table 2-A to determine the SOx emissions rate from each source. The time-sharing of CEMS among SOx sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2011]

2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2011]

3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2011. [2011]

4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2011, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2011]
   a. compliance with the annual Allocation;
   b. excess emissions;
   c. the amount of penalties; and
   d. fees.

5. Follow missing data procedures as specified in Rule 2011 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2011]
   a. compliance with the annual Allocation;

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b. excess emissions;
c. the amount of penalties; and
d. fees.

E. The Operator of a SOx Process Unit, as defined in Rule 2011, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2011, Table 2011-1, and Rule 2011, Appendix A, Table 3-A. The sharing of totalizing meters shall be allowed for process units except those using fuels with different sulfur contents. [2011]

IV. SOx Source Testing Conditions

1. The operator shall conduct all required SOx source testing in compliance with an AQMD-approved source test protocol. [2011]

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QUEMETCO INC

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
    a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
    b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
    c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

II. Reporting Requirements for all RECLAIM Sources

1. The opearator shall submit a quarterly certification of emissions including the total facility NOx or SOx emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2004]

NOx Reporting Requirements

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major NOx source, the total daily mass emissions of NOx and daily status codes. Such data shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2012]

2. Calculate NOx emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2012 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2012]

3. Submit an electronic report within 15 days following the end of each month totaling NOX emissions from all major NOx sources during the month. [2012]

4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2012]

B. The Operator of a NOx Large Source, as defined in Rule 2012, shall:

1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the AQMD, the total monthly NOx mass emissions from each large NOx source. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. Such data shall be reported within 15 days after the end of each calendar month. [2012]

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall:

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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

1. Electronically report the calculated quarterly NOx emissions for each NOx process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

SOx Reporting Requirements

D. The Operator of a SOx Major Source, as defined in Rule 2011, shall, as applicable:

1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major SOx source, the total daily mass emissions of SOx and daily status codes. Such data shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2011]

2. Calculate SOx emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2011 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2011]

3. Submit an electronic report within 15 days following the end of each month totaling SOX emissions from all major SOx sources during the month. [2011]

4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2011]

E. The Operator of a SOx Process Unit, as defined in Rule 2011, shall:

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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

1. Electronically report the calculated quarterly SOx emissions for each SOx process unit. [2011]

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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: SECONDARY LEAD SMELTING					
System 1: BATTERY CRUSHING AND MATERIAL SEPARATION SYSTEM					S53.1
HAMMERMILL, WILLIAMS-PATENT CRUSHER INC., MODEL NO. RS STAINLESS STEEL, SERIAL NO. 21174, 7 FT.-0 IN. W. X 17 FT.-6 IN. L.. X 4 FT.-6 IN. H., 500-H.P. A/N: 511852 Permit to Construct Issued: 10/08/10	D1	C2 C168 C169		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	B163.4, D323.1, K67.13
System 2: FEED DRYING SYSTEM					
FURNACE, ROTARY, LIQUIFIED PETROLEUM GAS, NATURAL GAS, WITH A NORTH AMERICAN MODEL 42-13-10-LEX BURNER, 10 MMBTU/HR A/N: 462562 Permit to Construct Issued: 04/19/07	D3	C28 C29 C35	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) ; **LEAD**: (10) ; **PM**: (9) ; **PM**: 0.1 GRAINS/SCF (5)	B59.2, B75.1, B163.3, C1.7, C1.8, C1.9, C1.10, C6.4, C303.2, D12.10, D12.11, D12.12, D12.13, D322.2, D323.1, K67.11
System 3: LEAD SWEATING SYSTEM					

* (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
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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: SECONDARY LEAD SMELTING					
FURNACE, REVERBATORY, LIQUIFIED PETROLEUM GAS, NATURAL GAS, LEAD ACID BATTERY SCRAP, 34 MMBTU/HR WITH A/N: 462562 Permit to Construct Issued: 04/19/07	D8	C28 C29 C37	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.022 GRAINS/SCF (8A) [**40CFR 60 Subpart L, 12-3-1976**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	B59.2, B75.1, B163.3, C1.7, C1.8, C1.11, C1.12, C303.1, D12.10, D12.11, D12.12, D12.13, D323.1, K67.12, K67.13
CHARGING WELL, LEAD ACID BATTERY SCRAP	D9	C28 C29 C37		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]	
TAPPING PORT, LEAD	D10	C28 C29 C35			
TAPPING PORT, LEAD SLAG, WITH A CASTING ENCLOSURE	D11	C28 C29 C39			
System 4: LEAD SLAG PROCESSING SYSTEM					
FURNACE, ELECTRIC, LEAD SLAG, WITH THREE ELECTRODES, ELECTRIC RESISTENCE TYPE, 2500 KW WITH A/N: 462563 Permit to Construct Issued: 04/19/07	D84	C33 C34 C88	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.022 GRAINS/SCF (8A) [**40CFR 60 Subpart L, 12-3-1976**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	B59.2, B163.2, C1.13, D323.1, K67.1, K67.13
TAPPING PORT, LEAD	D85	C33 C34 C88			
TAPPING PORT, SLAG	D86	C33 C34 C88			

* (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
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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: SECONDARY LEAD SMELTING					
BAGHOUSE, GORETEX, WHEELABRATOR, MODEL CUSTOM, 16493 SQ.FT.; 1200 BAGS A/N: 456815 Permit to Construct Issued: 04/19/07	C88	D11 D13 D84 D85 D86 C89 D110		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	A63.1, C6.2, D12.5, D12.9, D381.1, E102.1, E193.1, H116.2, H116.3, K67.2
SCRUBBER, TRAY, SLY, MODEL 685, HEIGHT: 26 FT ; DIAMETER: 8 FT 6 IN A/N: 456815 Permit to Construct Issued: 04/19/07	C89	C88 B138			A63.4, C8.2, C8.3, D182.4, D323.1, K67.5, K67.9
System 5: LEAD METAL REFINING SYSTEM					
BAGHOUSE, WITH 605 BAGS, EACH 5.875 INCH DIAMETER X 8 FEET LONG, PTFE MEMBRANE, DONALDSON TORIT, MODEL 5X121FTP8, WITH A 200 HP BLOWER AND A BROKEN BAG DETECTOR, PULSE JET CLEANED, 7444 SQ.FT. A/N: 518048 Permit to Construct Issued: 08/16/11	C21	D16 D17 D18 D19 D20 S24 D99 D100 B138		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	C6.3, D12.1, D12.5, D12.9, D182.10, D381.1, E102.1, H116.2, H116.3, K171.6
System 6: FUGITIVE DUST CONTROL SYSTEM					

* (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
QUEMETCO INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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: SECONDARY LEAD SMELTING					
BAGHOUSE, NO. J, BUSCH INTERNATIONAL, WITH 20 HEPA FILTERS,EACH 2FT W.X 1FT L.X 2FT H.,AND A 100-HP EXHAUST BLOWER, 4169 SQ.FT.; 196 BAGS A/N: 488107 Permit to Construct Issued: 01/15/10	C168	D1 C2 C109 D112 D113 D115 D116 D117 D118 D119 D120 D121 D122 D123 D124 D125 D126 D127 D128 D129 D130 D131 D132 D133 D134 D135 D136 D137 C169		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.1, D12.14, D182.9, D381.1, E102.1, E448.3, K67.6, K171.5
BAGHOUSE, NO. K, PTFE MEMBRANE, BUSCH INTERNATIONAL, WITH 25 HEPA FILTERS,EACH 2FT W.X 1FT L.X 2FT H.,AND A 125-HP EXHAUST BLOWER, 4169 SQ.FT.; 196 BAGS A/N: 525799 Permit to Construct Issued: 10/18/11	C170	D1 C2 C109 D112 D113 D115 D116 D117 D118 D119 D120 D121 D122 D123 D124 D125 D126 D127 D128 D129 D130 D131 D132 D133 D134 D135 D136 D137 C169		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.1, D12.14, D182.9, D381.1, E102.1, E448.3, K67.6, K171.5

* (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
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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: SECONDARY LEAD SMELTING					
ENCLOSURE, BUILDING, BATTERY BREAKING AREA, 90 FT. W. X 180 FT. L. X 54 FT. H., APPROXIMATE DIMENSIONS A/N: 488107 Permit to Construct Issued: 01/15/10	C169	D1 C2 C109 D112 D113 D115 D116 D117 D118 D119 D120 D121 D122 D123 D124 D125 D126 D127 D128 D129 D130 D131 D132 D133 D134 D135 D136 D137 C168 C170		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D381.1, E448.5
System 7: REVERBERATORY FURNACE SANITARY APCS					
BAGHOUSE, WHEELABRATOR, MODEL 126, 29568 SQ.FT.; 2112 BAGS A/N: 456813 Permit to Construct Issued: 04/19/07	C35	D3 D10 C161		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	A63.1, A63.2, C6.1, D12.1, D12.5, D12.9, D182.4, D381.1, E102.1, E193.1, H116.2, H116.3, K67.2
System 8: REVERBERATORY FURNACE PROCESS APCS					
BAGHOUSE, PTFE MEMBRANE, WHEELABRATOR, 20782 SQ.FT.; 1440 BAGS A/N: 456814 Permit to Construct Issued: 04/19/07	C39	C38 C40 C104		**LEAD**: (10) [**40CFR 63 Subpart X, #02, 6-23-2003**]; **PM**: (9) [**RULE 404, 2-7-1986**]	A63.1, C6.2, D12.1, D12.5, D12.9, D381.1, E102.1, E193.1, H116.2, H116.3, K67.2

* (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.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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: SECONDARY LEAD SMELTING					
SCRUBBER, TRAY, : EACH OF TWO VESSELS., HEIGHT: 20 FT ; DIAMETER: 10 FT A/N: 456814 Permit to Construct Issued: 04/19/07	C40	C39 C108 B138			A63.3, C8.1, C8.4, D182.4, D323.1, H116.4, K67.5, K67.10
Process 4: ELECTRIC POWER GENERATION EQUIPMENT					
System 1: EMERGENCY ELECTRICAL POWER SYSTEM					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL QST30-G5, WITH AFTERCOOLER, TURBOCHARGER, 1490 HP WITH A/N: 460792 Permit to Construct Issued: 04/19/07 GENERATOR	D162		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2.6 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **NOX**: 469 LBS/1000 GAL DIESEL (1) ; **NOX + ROG**: 4.8 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1) -BACT, 12-6-2002;* **RULE 2005, 5-6-2005**]; **PM**: (9) ; **PM**: 0.15 GRAM/BHP-HR (6) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1) -BACT, 12-6-2002;* RULE 1470, 3-4-2005]; **SOX**: 6.24 LBS/1000 GAL DIESEL (1)	C1.1, C1.15, D12.2, E116.1, E193.2, H23.2, K67.3
System 2: NON-EMERGENCY ELECTRICAL POWER SYSTEM					

* (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.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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: ELECTRIC POWER GENERATION EQUIPMENT					
INTERNAL COMBUSTION ENGINE, RICH BURN, NATURAL GAS, CUMMINS, MODEL GTA50G1, WITH A/F RATIO CONTROL, GILL, AF 120/220, AND CATALYTIC CONVERTER,DCL,2-DC74.5-X, WITH CATALYTIC AFTERBURNER, AFTERCOOLER, TURBOCHARGER, 1150 HP WITH A/N: 468847 Permit to Construct Issued: 11/15/07 GENERATOR	D165		NOX: LARGE SOURCE**; SOX: PROCESS UNIT**	**CO**: 36 PPMV AT 15 MINS. (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1) -BACT, 12-6-2002;* **RULE 1703 - PSD Analysis, 10-7-1988**]; **NOX**: 7.3 PPMV AT 15 MINS. (3) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986; RULE 405, 2-7-1986**]; **ROG**: 11 PPMV AT 15 MINS. (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002;* **RULE 1303(b)(2) -Offset, 5-10-1996;** *RULE 1303(b)(2)-Offset, 12-6-2002*]; **SOX**: 0.6 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 5-6-2005**]	C1.16, C1.17, C10.1, D12.18, D12.19, D12.20, D182.8, E71.3, E71.4, E71.5, E115.1, E193.3, H23.3, K67.18, K171.4
NON-SELECTIVE CATALYTIC REDUCTION, CATALYTIC CONVERTER, DCL, MODEL 2-DC74.5-X, WITH THREE WAY CATALYST, WITH AIR TO FUEL RATIO CONTROLLER, GILL, MODEL AF120 OR AF220 A/N: 468847 Permit to Construct Issued: 11/15/07	C166				
Process 6: SUPPLEMENTARY PROCESS APCS					
System 1: WET ELECTROSTATIC PRECIPITATOR					

* (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
QUEMETCO INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 6: SUPPLEMENTARY PROCESS APCS					
MANIFOLD, WESP INLET A/N: 524239 Permit to Construct Issued: 08/16/11	B138	D16 D17 D18 D19 D20 C21 C40 C89 D99 D100 C139 C143 C147 C151 C155 C161			E448.4
SCRUBBER, PACKED BED, , ENVITECH, INTEGRAL WITH WESP UNIT NO. 1, WITH 6 FT.- 0 IN. PACKING, WITH 50-H.P. RECIRCULATION PUMP, AND A LIQUID SUMP, WIDTH: 11 FT ; LENGTH: 11 FT A/N: 524239 Permit to Construct Issued: 08/16/11	C139	B138 B140 C141			C8.5, C8.6, K67.15, K67.17
HEAT EXCHANGER, , ENVITECH, SERVING WESP UNIT NO. 1, PLATE & FRAME, LIQUID TO LIQUID, 1 FT-9 IN W. X 5 FT-10 IN L. X 5 FT-10 IN H. A/N: 524239 Permit to Construct Issued: 08/16/11	B140	C139 E160			
ELECTROSTATIC PRECIPITATOR, , ENVITECH, WESP UNIT NO. 1, 11 FT. W. X 11 FT. L. X 35 FT. H., VERTICAL TYPE, ENVITECH, MODEL 492-6, WITH 492 HEX TUBES, EACH 3 IN PER SIDE, 6 IN MAX DIA. X 7 FT L., WATER WASHED, 40 KVA A/N: 524239 Permit to Construct Issued: 08/16/11	C141	C139 C142			D12.15, D12.16

* (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
QUEMETCO INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 6: SUPPLEMENTARY PROCESS APCS					
MIST ELIMINATOR, , ENVITECH, SERVING WESP UNIT NO. 1, WAVE FORM BAFFLE TYPE A/N: 524239 Permit to Construct Issued: 08/16/11	C142	C141 S159			D12.17
SCRUBBER, PACKED BED, , ENVITECH, INTEGRAL WITH WESP UNIT NO. 2, WITH 6 FT.- 0 IN. PACKING, WITH 50-H.P. RECIRCULATION PUMP, AND A LIQUID SUMP, WIDTH: 11 FT ; LENGTH: 11 FT A/N: 524239 Permit to Construct Issued: 08/16/11	C143	B138 B144 C145			C8.5, C8.6, K67.15, K67.17
HEAT EXCHANGER, , ENVITECH, SERVING WESP UNIT NO. 2, PLATE & FRAME, LIQUID TO LIQUID, 1 FT-9 IN W. X 5 FT-10 IN L. X 5 FT-10 IN H. A/N: 524239 Permit to Construct Issued: 08/16/11	B144	C143 E160			
ELECTROSTATIC PRECIPITATOR, , ENVITECH, WESP UNIT NO. 2, 11 FT. W. X 11 FT. L. X 35 FT. H., VERTICAL TYPE, ENVITECH, MODEL 492-6, WITH 492 HEX TUBES, EACH 3 IN PER SIDE, 6 IN MAX DIA. X 7 FT L., WATER WASHED, 40 KVA A/N: 524239 Permit to Construct Issued: 08/16/11	C145	C143 C146			D12.15, D12.16

* (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
QUEMETCO INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 6: SUPPLEMENTARY PROCESS APCS					
MIST ELIMINATOR, , ENVITECH, SERVING WESP UNIT NO. 2, WAVE FORM BAFFLE TYPE A/N: 524239 Permit to Construct Issued: 08/16/11	C146	C145 S159			D12.17
SCRUBBER, PACKED BED, , ENVITECH, INTEGRAL WITH WESP UNIT NO. 3, WITH 6 FT.- 0 IN. PACKING, WITH 50-H.P. RECIRCULATION PUMP, AND A LIQUID SUMP, WIDTH: 11 FT ; LENGTH: 11 FT A/N: 524239 Permit to Construct Issued: 08/16/11	C147	B138 B148 C149			C8.5, C8.6, K67.15, K67.17
HEAT EXCHANGER, , ENVITECH, SERVING WESP UNIT NO. 3, PLATE & FRAME, LIQUID TO LIQUID, 1 FT-9 IN W. X 5 FT-10 IN L. X 5 FT-10 IN H. A/N: 524239 Permit to Construct Issued: 08/16/11	B148	C147 E160			
ELECTROSTATIC PRECIPITATOR, , ENVITECH, WESP UNIT NO. 3, 11 FT. W. X 11 FT. L. X 35 FT. H., VERTICAL TYPE, ENVITECH, MODEL 492-6, WITH 492 HEX TUBES, EACH 3 IN PER SIDE, 6 IN MAX DIA. X 7 FT L., WATER WASHED, 40 KVA A/N: 524239 Permit to Construct Issued: 08/16/11	C149	C147 C150			D12.15, D12.16

* (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
QUEMETCO INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 6: SUPPLEMENTARY PROCESS APCS					
MIST ELIMINATOR, , ENVITECH, SERVING WESP UNIT NO. 3, WAVE FORM BAFFLE TYPE A/N: 524239 Permit to Construct Issued: 08/16/11	C150	C149 S159			D12.17
SCRUBBER, PACKED BED, , ENVITECH, INTEGRAL WITH WESP UNIT NO. 4, WITH 6 FT.- 0 IN. PACKING, WITH 50-H.P. RECIRCULATION PUMP, AND A LIQUID SUMP, WIDTH: 11 FT ; LENGTH: 11 FT A/N: 524239 Permit to Construct Issued: 08/16/11	C151	B138 B152 C153			C8.5, C8.6, K67.15, K67.17
HEAT EXCHANGER, , ENVITECH, SERVING WESP UNIT NO. 4, PLATE & FRAME, LIQUID TO LIQUID, 1 FT-9 IN W. X 5 FT-10 IN L. X 5 FT-10 IN H. A/N: 524239 Permit to Construct Issued: 08/16/11	B152	C151 E160			
ELECTROSTATIC PRECIPITATOR, , ENVITECH, WESP UNIT NO. 4, 11 FT. W. X 11 FT. L. X 35 FT. H., VERTICAL TYPE, ENVITECH, MODEL 492-6, WITH 492 HEX TUBES, EACH 3 IN PER SIDE, 6 IN MAX DIA. X 7 FT L., WATER WASHED, 40 KVA A/N: 524239 Permit to Construct Issued: 08/16/11	C153	C151 C154			D12.15, D12.16

* (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
QUEMETCO INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 6: SUPPLEMENTARY PROCESS APCS					
MIST ELIMINATOR, , ENVITECH, SERVING WESP UNIT NO. 4, WAVE FORM BAFFLE TYPE A/N: 524239 Permit to Construct Issued: 08/16/11	C154	C153 S159			D12.17
SCRUBBER, PACKED BED, , ENVITECH, INTEGRAL WITH WESP UNIT NO. 5, WITH 6 FT.- 0 IN. PACKING, WITH 50-H.P. RECIRCULATION PUMP, AND A LIQUID SUMP, WIDTH: 11 FT ; LENGTH: 11 FT A/N: 524239 Permit to Construct Issued: 08/16/11	C155	B138 B156 C157			C8.5, C8.6, K67.15, K67.17
HEAT EXCHANGER, , ENVITECH, SERVING WESP UNIT NO. 5, PLATE & FRAME, LIQUID TO LIQUID, 1 FT-9 IN W. X 5 FT-10 IN L. X 5 FT-10 IN H. A/N: 524239 Permit to Construct Issued: 08/16/11	B156	C155 E160			
ELECTROSTATIC PRECIPITATOR, , ENVITECH, WESP UNIT NO. 5, 11 FT. W. X 11 FT. L. X 35 FT. H., VERTICAL TYPE, ENVITECH, MODEL 492-6, WITH 492 HEX TUBES, EACH 3 IN PER SIDE, 6 IN MAX DIA. X 7 FT L., WATER WASHED, 40 KVA A/N: 524239 Permit to Construct Issued: 08/16/11	C157	C155 C158			D12.15, D12.16

* (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
QUEMETCO INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 6: SUPPLEMENTARY PROCESS APCS					
MIST ELIMINATOR, , ENVITECH, SERVING WESP UNIT NO. 5, WAVE FORM BAFFLE TYPE A/N: 524239 Permit to Construct Issued: 08/16/11	C158	C157 S159			D12.17
STACK, WESP EXHAUST, WITH A 250-H.P. PRIMARY EXHAUST BLOWER AND A 250-H.P. STANDBY EXHAUST BLOWER, HEIGHT: 70 FT ; DIAMETER: 6 FT 8 IN A/N: 524239 Permit to Construct Issued: 08/16/11	S159	C142 C146 C150 C154 C158			A63.6, D182.4, D182.5, D182.6, D182.7, D182.10, D323.1, E448.1, E448.2, E448.4, K171.6
RULE 219 EXEMPT EQUIPMENT, COOL TOWER, MARLEY, M/N NC8312K, 14 FT.W X 23 FT. L. X 23 FT. H., INDUCED DRAFT, CROSS FLOW TYPE, WITH A 75-H.P. FAN AND A 125-H.P. LIQUID CIRCULATION PUMP Permit to Construct Issued: 08/16/11	E160	B140 B144 B148 B152 B156			
System 2: REGENERATIVE THERMAL OXIDIZER					

* (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
QUEMETCO INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 6: SUPPLEMENTARY PROCESS APCS					
OXIDIZER, HOT ROCK, REGENERATIVE,ADWEST TECH., MODEL RETOX 27.5T095,11FT W.X38FT-10IN L X12FT-1 IN.H, NATURAL GAS, WITH A MAXON MODEL KENEMAX 6G BURNER AND A 100-H.P. EXHAUST BLOWER, 8.58 MMBTU/HR A/N: 460790 Permit to Construct Issued: 04/19/07	C161	C35 B138	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**		C8.7, D182.5, D182.6, D182.7, D323.1, K67.16

* (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
QUEMETCO INC

SECTION H: DEVICE ID INDEX

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

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SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	**Section H Page No.**	**Process**	**System**
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D3	1	1	2
D8	2	1	3
D9	2	1	3
D10	2	1	3
D11	2	1	3
C21	3	1	5
C35	5	1	7
C39	5	1	8
C40	6	1	8
D84	2	1	4
D85	2	1	4
D86	2	1	4
C88	3	1	4
C89	3	1	4
B138	8	6	1
C139	8	6	1
B140	8	6	1
C141	8	6	1
C142	9	6	1
C143	9	6	1
B144	9	6	1
C145	9	6	1
C146	10	6	1
C147	10	6	1
B148	10	6	1
C149	10	6	1
C150	11	6	1
C151	11	6	1
B152	11	6	1
C153	11	6	1
C154	12	6	1
C155	12	6	1
B156	12	6	1

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SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	**Section H Page No.**	**Process**	**System**
C157	12	6	1
C158	13	6	1
S159	13	6	1
E160	13	6	1
C161	14	6	2
D162	6	4	1
D165	7	4	2
C166	7	4	2
C168	4	1	6
C169	5	1	6
C170	4	1	6

FACILITY PERMIT TO OPERATE
QUEMETCO INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

FACILITY CONDITIONS

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]

F16.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records shall be kept to demonstrate compliance with the following conditions, pursuant to the Rule 1407 Compliance Plan for this facility:

1. This facility shall be operated in accordance with the requirements specified in subparts (d)(1), (d)(3), (d)(5), (e), and (g)(1) of Rule 1407.

2. The slag furnace and reverberatory furnace process air pollution control systems shall be operated pursuant to all requirements stated in this condition, with the exception of the temperature requirement of Rule 1407 (d)(3).

[RULE 1407, 7-8-1994; **40CFR 63 Subpart X, #02, 6-23-2003**]

F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

Rule 1420.1

A. The total facility mass lead emissions from all lead point sources shall not exceed 0.045 pounds of lead per hour.

B. The total facility and maximum emission rates shall be determined using the most recent source tests conducted by the facility or the District.

[RULE 1420.1, 11-5-2010]

SYSTEM CONDITIONS

FACILITY PERMIT TO OPERATE
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

S53.1 The following conditions shall apply to the equipment in this system:

The operator shall maintain the level of plastic separation in this system as follows:
For each calendar quarter, the ratio of the total amount of separated plastic shipped offsite in that quarter to the total amount of raw lead metal produced from the reverberatory and lead slag furnaces in that quarter shall be 0.05 or greater.
The daily and daily month-to-date (MTD) total amounts of raw lead metal produced, and plastic shipped offsite, shall be recorded in the COI Plant Activity Report (COI).
The operator shall calculate the plastic to lead metal ratios using the total amounts of plastic and lead produced in the final end of the calendar month COI reports. The plastic to lead metal ratios, for the previous calendar month, and for the previous calendar quarter, shall be reported in both the Daily Production Reports (DPR) and in the COI reports for this facility.
The final end of the calendar month amounts of plastic shall be based on bills of lading and/or other equivalent shipment records or manifests documenting total weight of plastic shipped offsite, and the raw lead metal produced shall be based on the total number and weights of raw lead bullion molds/ingots cast and recorded each work shift each day by the reverberatory/slag furnace operator(s).

[**RULE 204, 10-8-1993**]

[Systems subject to this condition : Process 1, System 1]

DEVICE CONDITIONS

A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT

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QUEMETCO INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Visible emissions	Less than 20 Percent opacity

[**40CFR 60 Subpart L, 12-3-1976**]

[Devices subject to this condition : C35, C39, C88]

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 186 LBS IN ANY ONE DAY
CO	Less than or equal to 179 LBS IN ANY ONE DAY
PM10	Less than or equal to 8 LBS IN ANY ONE DAY

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C35]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 27 LBS IN ANY ONE DAY
CO	Less than or equal to 19 LBS IN ANY ONE DAY
PM10	Less than or equal to 38 LBS IN ANY ONE DAY

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C40]

A63.4 The operator shall limit emissions from this equipment as follows:

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 46 LBS IN ANY ONE DAY
CO	Less than or equal to 33 LBS IN ANY ONE DAY
PM10	Less than or equal to 11 LBS IN ANY ONE DAY

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C89]

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 259 LBS IN ANY ONE DAY
CO	Less than or equal to 230 LBS IN ANY ONE DAY
PM10	Less than or equal to 8 LBS IN ANY ONE DAY

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : S159]

B. Material/Fuel Type Limits

B59.2 The operator shall not use the following material(s) in this device :

With the exception of the specific materials listed in condition nos. B163.2 and B163.3, all other types of organic materials including, but not limited to, coal, charcoal, rubber, plastic, paper, rags, oil, grease, or metal contaminated with any of these materials

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

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QUEMETCO INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : D3, D8, D84]

B75.1 The operator shall not use propane in this equipment except under the following circumstance(s):

Natural gas curtailment

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

[Devices subject to this condition : D3, D8]

B163.2 The operator shall only use feed materials containing the following:

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

aluminum oxide and carbonate

calcined carbon coke

calcium oxide and carbonate

flue dust generated on-site

inorganic lead compounds

iron oxide and carbonate

lead dross

lime

limestone

magnesium oxide and carbonate

metallic iron

metallic steel

reverberatory furnace slag

silica and silica sand

sodium borate

sodium carbonate

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D84]

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

B163.3 The operator shall only use feed materials containing the following:

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

aluminum oxide and carbonate

battery crusher material

calcined carbon coke

calcium oxide and carbonate

flue dust generated on-site

inorganic lead compounds

iron oxide and carbonate

lead dross

lime

limestone

magnesium oxide and carbonate

metallic iron, metallic steel and/or metallic lead

paper from additive bags

reverberatory furnace slag

rubber and plastic that is not removed from battery crusher material processed by the permitted battery crushing and material separation system

silica and silica sand

slag furnace slag

sodium borate

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

sodium carbonate

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D3, D8]

B163.4 The operator shall only use feed materials containing the following:

Lead-acid batteries and lead-acid battery components

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D1]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the operating time to no more than 200 hours in any one year.

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D162]

C1.7 The operator shall limit the material processed to no more than 600 ton(s) in any one day.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

For the purpose of this condition, material processed shall be defined as the total weight of all materials charged to the reverberatory furnace. This total weight shall be the same as the total weight of all materials charged to the rotary dryer furnace. This condition shall not apply to baghouse dust generated on-site. To comply with this condition, the process weight shall be determined according to the following method.

1) The operator shall use a skip loader equipped with a Loadrite weighing system, and the hardware and software system (network) referred to as the Supervisory Control And Data Acquisition System (SCADA), to measure and record the weight of all materials charged to the rotary dryer feed hopper in accordance with all data and specifications submitted to the AQMD under Application No. 442948 unless otherwise specified below.

2) Except for calcined carbon coke, all feed material shall be charged to the rotary dryer and the reverberatory furnaces through the feed hopper serving the rotary dryer furnace.

3) Calcined carbon coke shall be staged in a dedicated pile prior to charging it to the main rotary dryer feed conveyor. The total amount of all carbon coke charged shall also be weighed and recorded by the Loadrite weighing system.

4) The SCADA shall process the information from the Loadrite weighing system and record the skip loader identification, calendar date, chronological time and process weight, in pounds, of each bucket load of material charged to the rotary dryer feed hopper and the total weight of all coke charged, respectively, as well as the total load count for each day.

5) A motion detection system, consisting of a photoelectric sensor, a video camera and a video motion detector, shall be installed at the rotary dryer feed hopper, and maintained in proper operation at all times, to indicate when a bucket load is charged to this hopper. The SCADA shall process the information from this system and record the chronological time of each bucket load and the total count of all loads charged to the rotary dryer feed hopper each day.

6) The time stamps of all devices, including the Loadrite systems, shall be

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

synchronized with respect to the time of day, and with each other, within plus or minus 180 seconds.

7) The rotary dryer feed hopper photoelectric sensor shall provide an electronic signal to a circular chart recorder which shall record one tick mark for each instance that a bucket load is charged to the hopper, and, simultaneously, to a non-resettable totalizing counter which counts the total number of loads charged. One separate circular data chart shall be produced for each day.

8) The photoelectric sensor, circular chart recorder, and totalizing counter shall be electrically configured to be independent of the SCADA network, and maintained in operation at all times.

9) The chart recorder, and the totalizing counter, shall be installed in the control room adjacent to the furnace area easily accessible to AQMD personnel. Each circular chart shall be clearly identified with the calendar date(s), starting time, ending time, starting totalizer count, and ending totalizer count that applies to the tick marks recorded on each chart. Each chart shall also be signed by the shift supervisor present on duty at the time that the chart paper is replaced in the recorder.

10) A manual verification of each charging event recorded by the SCADA and chart recorder shall be performed every two hours initially until otherwise approved in writing by the AQMD. Quemetco shall record the result of each verification in the comment section of the Daily Production Report (DPR) for this facility. If the number of load counts do not match, an explanation of causes and corrective actions taken (if required) shall be included in the DPR.

11) If at any time, the weighing system fails to record the weight of a bucket load charged to the rotary dryer hopper, as evidenced by no weight entry associated with a time stamp or a load count inconsistent with that of the photoelectric sensor system (i.e., a missing data event), a default weight of 15,000 pounds shall be added into the record for each missed weight measurement (i.e. each charging event missing a corresponding measured weight value).

12) For the purpose of this condition, a false positive shall be defined as a

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

missing data event not related to the charging of material into the rotary dryer feed hopper.

13) The default weight requirement in subpart 11 of this condition shall not apply for events where the video camera record, in conjunction with the video motion detector, clearly demonstrates that no missing data event occurred (i.e., a false positive event). In cases where the record shows that a missing data event was a false positive, Quemetco shall provide a notation in the daily log identifying the cause for the false positive.

14) If the number of missing data events (not counting false positives) exceeds four (4) in any two (2) hour recording period, Quemetco shall cease the charging of all materials to the rotary and reverberatory furnaces until all the factors causing the missing data events have been identified and corrected.

15) The number of missing data events (not counting false positives) shall not exceed ten (10) in any one 24 hour period.

16) Quemetco shall maintain standardized test weights for calibrating the Loadrite units. Each standardized test weight shall have a mass not less than 6000 pounds, and not more than 7500 pounds. In addition, each standard test weight shall be engraved or stamped with a unique serial number and the weight value in pounds.

17) The mass of each test weight shall be verified using a certified truck scale, not less than once per calendar month, and prior to the first use of the test weight. All calibrations of standard test weights shall be accompanied by truck scale weight tickets showing the tare and final weights used to assign the true weight to each standard test weight.

18) The truck scale shall have an active certification obtained from a governmental body with jurisdiction over truck scale calibrations, such as the State of California Department of Transportation.

19) Quemetco shall perform a calibration of each Loadrite unit in use by measuring the weight of standardized test weights at least daily at the beginning of

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

each operation day. A total of two (2) standard test weights shall be used for each Loadrite calibration (i.e., a total bucket calibration weight of 12,000 to 15,000 lbs).

20) The value measured for the standardized test weight by a Loadrite unit in service shall not deviate from the actual value of the standard test weight by greater than three (3) percent.

21) Any standard test weight which becomes damaged, broken, or physically altered in a way which can cause a weight deviation of more than 100 pounds shall be immediately removed from service as a standard until it is recalibrated using the certified truck scale.

22) Not later than 30 days after this condition becomes effective, Quemetco shall submit a revised written Standard Operating Procedure (SOP) for the operation of the Loadrite load cell weighing system for AQMD approval. The written SOP shall comply with all requirements stated in this permit condition. Quemetco shall comply with the revised written SOP unless otherwise approved in writing by the AQMD.

23) Quemetco shall submit monthly reports documenting each bucket weight charged, each missing data event, and the total tons of material charged for each day of the month as well as all calibration data, and all operational anomalies associated with the furnace operation and/or feed weighing system operations.

24) Each report required by subpart 23 of these conditions shall be submitted to the AQMD's Toxics Team not later than the 10th day of the following month, for each month in the first six months following the issue date of this permit, and semiannually thereafter.

25) The semiannual report (required by subpart 23 of these conditions) covering January through June, inclusive, shall be submitted not later than August 31 of the same calendar year. The semiannual report covering July through December, inclusive, shall be submitted not later than February 28 of the following calendar year.

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

26) Quemetco shall keep and maintain all records required by this condition, including, but not limited to, serial number of each test weight, mass (in pounds) of each test weight, records of each test weight calibration, records of each test weight recalibration due to damage, recorder charts, Loadrite calibration data, daily production records, and daily read-only electronic records from SCADA (e.g., in the TIFF or PDF universal image formats).

27) All records required by this condition shall be kept onsite for a minimum of five years and made available to District personnel upon request. For those records which are generated in an electronic format, Quemetco shall comply with this condition by maintaining the electronic format of the records.

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 12-7-1990]

[Devices subject to this condition : D3, D8]

C1.8 The operator shall limit the material processed to no more than 600,000 lb(s) in any one month.

For the purpose of this condition, material processed shall be defined as the combined, total amount of calcined carbon coke charged to the rotary dryer and reverberatory furnaces each calendar month.

The operator shall also limit the maximum combined daily amount of calcined carbon coke charged to the rotary dryer and reverberatory furnaces to no more than 32,700 lb(s) in any one day.

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

[Devices subject to this condition : D3, D8]

C1.9 The operator shall limit the natural gas fuel usage to no more than 252000 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 : D3]

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

C1.10 The operator shall limit the propane fuel usage to no more than 2750 gallon(s) per day.

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

[Devices subject to this condition : D3]

C1.11 The operator shall limit the natural gas fuel usage to no more than 777000 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 : D8]

C1.12 The operator shall limit the propane fuel usage to no more than 8510 gallon(s) per day.

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

[Devices subject to this condition : D8]

C1.13 The operator shall limit the material processed to no more than 20016 lb(s) in any one day.

For the purpose of this condition, material processed shall be defined as the total amount of calcined carbon coke charged to the slag furnace.

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

[Devices subject to this condition : D84]

C1.15 The operator shall limit the maintenance testing to no more than 50 hours in any one year.

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

[Devices subject to this condition : D162]

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

C1.16 The operator shall limit the operating time to no more than 84 hour(s) in any one calendar month.

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

[Devices subject to this condition : D165]

C1.17 The operator shall limit the operating time to no more than 204 hour(s) in any one year.

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D165]

C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 275 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1407, 7-8-1994]

[Devices subject to this condition : C35]

C6.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 450 Deg F.

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

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1407, 7-8-1994]

[Devices subject to this condition : C39, C88]

C6.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 290 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1407, 7-8-1994]

[Devices subject to this condition : C21]

C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 330 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the exhaust duct located at the end of the rotary dryer furnace opposite the burner location. The readout from this device shall be referred to as the "rotary dryer exhaust temperature".

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 12-7-1990]

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

[Devices subject to this condition : D3]

C8.1 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 8.9 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH in the recirculation tank serving the scrubber.

Each pH meter shall be equipped with a chart recorder to continuously monitor and record the pH in the recirculation tank serving the scrubber.

[**RULE 2005, 5-6-2005**]

[Devices subject to this condition : C40]

C8.2 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 9.4 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH in the recirculation tank serving the scrubber.

Each pH meter shall be equipped with a chart recorder to continuously monitor and record the pH in the recirculation tank serving the scrubber.

[**RULE 2005, 5-6-2005**]

[Devices subject to this condition : C89]

C8.3 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 66 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the liquid supply lines to the top, and middle, each, of the absorber vessel.

[**RULE 2005, 5-6-2005**]

[Devices subject to this condition : C89]

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

C8.4 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 80 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the liquid supply lines to the top of each absorber vessel.

[**RULE 2005, 5-6-2005**]

[Devices subject to this condition : C40]

C8.5 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 6.5 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH in the recirculation tank serving the scrubber.

Each pH meter shall be equipped with a chart recorder to continuously monitor and record the pH in the recirculation tank serving the scrubber.

[**RULE 2005, 5-6-2005; RULE 2011, 5-6-2005**]

[Devices subject to this condition : C139, C143, C147, C151, C155]

C8.6 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 1200 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the liquid supply lines to the top of each scrubber compartment.

Each flow meter shall be equipped with a chart recorder to continuously record the recirculating liquid flow rate, in gallons per minute.

[**RULE 2005, 5-6-2005; RULE 2011, 5-6-2005**]

[Devices subject to this condition : C139, C143, C147, C151, C155]

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

C8.7 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the regenerative thermal oxidizer serving the rotary dryer furnace, in degrees Fahrenheit.

Each temperature measuring device shall be equipped with a chart recorder to continuously monitor and record the temperature in the regenerative thermal oxidizer.

Each temperature measuring device shall be accurate to within plus or minus 30 degrees Fahrenheit. Each device shall be calibrated once every 12 months.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 3-4-2005; **RULE 407, 4-2-1982**]

[Devices subject to this condition : C161]

C10.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is maintained between 750 and 1250 Deg F.

The operator shall monitor the temperature at the inlet of the non-selective catalytic reduction (NSCR) system. For the purpose of this condition, an average temperature based on a 4-hour rolling average shall be used to determine compliance..

[RULE 1110.2, 6-3-2005]

[Devices subject to this condition : D165]

C303.1 The operator shall limit oxygen enrichment percent to between the amount specified by the following equation: OE = (OF x 100)/(OF + AF)

where:

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

- OE = oxygen enrichment percent.

- OF = standard cubic feet of gaseous oxygen supplied to a set of burners in any one day.

- AF = standard cubic feet of air supplied to a set of burners in any one day.

- And where the value of OE is limited to the following amounts.

- For the reverberatory furnace, OE = 56.0 to 82.0 percent.

[**RULE 2005, 5-6-2005; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D8]

C303.2 The operator shall limit oxygen enrichment percent to no more than the amount specified by the following equation: OE = (OF x 100)/(OF + AF)

where:

- OE = oxygen enrichment percent.

- OF = standard cubic feet of gaseous oxygen supplied to a set of burners in any one day.

- AF = standard cubic feet of air supplied to a set of burners in any one day.

- And where the value of OE is limited to the following amounts.

- For the rotary dryer, OE = 6.0 percent maximum.

[**RULE 2005, 5-6-2005; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D3]

D. Monitoring/Testing Requirements

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

D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags, in inches water column.

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

[Devices subject to this condition : C21, C35, C39, C168, C170]

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

[RULE 1110.2, 6-3-2005; **RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1) -BACT, 12-6-2002; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 3-4-2005; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D162]

D12.5 The operator shall install and maintain a(n) triboelectric-type broken bag detector to accurately indicate the existence of a leak in the baghouse bags.

[RULE 1401, 12-7-1990; RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; **40CFR 63 Subpart X, #02, 6-23-2003; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C21, C35, C39, C88]

D12.9 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the baghouse inlet or outlet duct, in feet per minute.

[RULE 1407, 7-8-1994]

[Devices subject to this condition : C21, C35, C39, C88]

D12.10 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

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

[Devices subject to this condition : D3, D8]

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

D12.11 The operator shall install and maintain a(n) pressure gauge to accurately indicate the pressure in the oxygen supply line to this equipment, in pounds per square inch.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 2005, 5-6-2005**]

[Devices subject to this condition : D3, D8]

D12.12 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the oxygen gas supply line to this equipment. The flow meter shall totalize the oxygen flow rate and it shall provide the oxygen usage in units of total standard cubic feet.

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

[Devices subject to this condition : D3, D8]

D12.13 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the combustion air supply line to this equipment. The flow meter shall totalize the combustion air flow rate and it shall provide the air consumption in units of total standard cubic feet.

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

[Devices subject to this condition : D3, D8]

D12.14 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the HEPA filters, in inches water column.

The static pressure differential across the HEPA filters shall not exceed 3 inches of water column.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 63 Subpart X, #02, 6-23-2003**]

[Devices subject to this condition : C168, C170]

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

D12.15 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the water wash supply line in each Wet Electrostatic Precipitator device.

Each flow meter shall be equipped with a chart recorder which continuously records the flow rate, in gallons per minute, and the duration, in minutes, of each wash cycle.

The flow rate to the Wet Electrostatic Precipitator spray wash nozzles shall not be less than 144 gallons per minute whenever a wash cycle is in progress.

Unless otherwise approved in writing by the Executive Officer, the initial number of wash cycles performed in each Wet Electrostatic Precipitator device shall not be less than one minute in every 6 hour interval of Wet Electrostatic Precipitator operation. Subsequent to each performance source test, the frequency and duration of wash cycles in each Wet Electrostatic Precipitator device shall not be less than the maximum frequency and duration of wash cycles performed during any one test run.

[RULE 1401, 3-4-2005; RULE 1402, 3-4-2005]

[Devices subject to this condition : C141, C145, C149, C153, C157]

D12.16 The operator shall install and maintain a(n) voltmeter to accurately indicate the voltage in the high voltage electric circuit serving each Wet Electrostatic Precipitator device.

The Wet Electrostatic Precipitator power supply shall be equipped with a chart recorder which continuously records the direct current voltage output to each Wet Electrostatic Precipitator device, in kilovolts.

Unless otherwise approved in writing by the Executive Officer, the initial electric field voltage in each Wet Electrostatic Precipitator device shall not be less than 15 kilovolts. Subsequent to each performance source test, the electric field voltage in each Wet Electrostatic Precipitator device shall not be less than the maximum field voltage used during any one test run.

[RULE 1401, 3-4-2005; RULE 1402, 3-4-2005]

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

[Devices subject to this condition : C141, C145, C149, C153, C157]

D12.17 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the exhaust outlet in each Wet Electrostatic Precipitator device.

Each flow meter shall be equipped with a chart recorder which continuously records the flow rate, in cubic feet per minute, or in feet per minute, in each Wet Electrostatic Precipitator device.

A minimum of 4 Wet Electrostatic Precipitators shall be in full operation at any one time.

[RULE 1401, 3-4-2005; RULE 1402, 3-4-2005; **RULE 204, 10-8-1993**]

[Devices subject to this condition : C142, C146, C150, C154, C158]

D12.18 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1110.2, 6-3-2005; **RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1) -BACT, 12-6-2002; **RULE 1703 - PSD Analysis, 10-7-1988; RULE 2011, 5-6-2005; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D165]

D12.19 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the engine.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1703 - PSD Analysis, 10-7-1988; RULE 2011, 5-6-2005; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D165]

D12.20 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the the inlet to the NSCR.

[RULE 1110.2, 6-3-2005]

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

[Devices subject to this condition : D165]

D182.4 The operator shall test this equipment in accordance with the following specifications:

A. The operator shall demonstrate compliance with all applicable ROG, CO, PM, PM10, lead and visible emission limits by conducting a source test no later than July 1, 2008, and not less than once every three years thereafter, using approved AQMD methods.

B. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with all applicable rule limits.

C. The operator shall comply with all general testing, reporting, and recordkeeping requirements in sections E and K of this permit.

D. The deadline for the initial WESP stack outlet tests (on Device S159) may be extended beyond July 1, 2008 upon written approval by the Executive Officer, provided that the extension is in full compliance with the Rule 1402 Risk Reduction Plan in effect at the time. To effect this extension, the operator shall submit a written request detailing the status of the project and the reasons why the extension is necessary at least 60 days prior to the deadline.

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984;** RULE 401, 11-9-2001; **RULE 404, 2-7-1986; RULE 405, 2-7-1986; RULE 407, 4-2-1982; 40CFR 60 Subpart L, 12-3-1976; 40CFR 63 Subpart X, #02, 6-23-2003; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C35, C40, C89, S159]

D182.5 The operator shall test this equipment in accordance with the following specifications:

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

A) The test(s) shall be conducted and a written report submitted to the AQMD not later than 180 days of initial startup of the RTO and WESP.

B) The test(s) shall be conducted for the RTO and WESP. The test(s) shall measure the emissions to the atmosphere as required in condition D182.6. In addition, the test(s) shall measure the inlet emission rates as required in condition D182.7, to determine if the supplementary process air pollution control equipment is performing as expected to meet Rule 1402 requirements.

C) A source testing plan shall be submitted to AQMD for approval at least 60 days prior to testing. All tests shall be conducted in accordance with the plan as approved.

D) Written notice shall be provided to the AQMD at least 10 days prior to testing so that an AQMD observer may be present during the tests.

E) The source tests shall be performed by a qualified testing laboratory and conducted in accordance with AQMD approved procedures.

F) Sampling facilities shall comply with the AQMD "Guidelines For The Construction Of Sampling And Testing Facilities", pursuant to Rule 217.

G) Written results shall be submitted to the AQMD within 60 days after testing and shall include the items listed in condition E448.1.

[RULE 1401, 3-4-2005; RULE 1402, 3-4-2005]

[Devices subject to this condition : S159, C161]

D182.6 The operator shall test this equipment in accordance with the following specifications:

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

Tests shall be performed to measure the emissions to the atmosphere at the WESP stack outlet of the following toxic compounds while the reverberatory furnace, slag furnace, and refinery pot furnaces are operated at maximum capacity and maximum potential to emit.

Tests shall include, but may not be limited to, a test for:

Total Arsenic

Total Beryllium

Total Cadmium

Total Copper

Total Lead

Total Manganese

Total Mercury

Total Nickel

Total Selenium

Hexavalent Chromium

Benzene

Carbon Tetrachloride

Chlorobenzene

Chloroform

1,2-Dibromoethane

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

1,4-Dichlorobenzene

1,2-Dichloroethane

1,1-Dichloroethene

1,4-Dioxane

Ethylbenzene

Methylene Chloride

Styrene

1,1,2,2,-Tetrachloroethane

Tetrachloroethene

Toluene

1,1,2-Trichloroethane

Trichloroethene

Vinyl Chloride

o-Xylene

m,p-Xylenes

Polychlorinated Dibenzo-p-dioxins (PCDD's)

Polychlorinated Dibenzofurans (PCDF's)

Polychlorinated Biphenyls (PCB's)

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

Polynuclear Aromatic Hydrocarbons (PAH's)

Hydrogen Sulfide

Formaldehyde

Acetaldehyde

1,3-Butadiene

Total non-methane hydrocarbons

Oxides of Nitrogen

Oxides of Sulfur

Carbon Monoxide

Particulate Matter Less Than 10 microns (PM10)

[RULE 1401, 3-4-2005; RULE 1402, 3-4-2005]

[Devices subject to this condition : S159, C161]

D182.7 The operator shall test this equipment in accordance with the following specifications:

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

A. Tests shall be performed to measure the emissions, at the WESP inlet, of the following toxic compounds while the reverberatory furnace, slag furnace, and refinery pot furnaces are operated at maximum capacity. The tests performed at the WESP inlet shall be performed simultaneously with the tests at the WESP outlet.

Tests shall include, but may not be limited to, a test for:

Total Arsenic

Total Cadmium

Total Lead

Total Nickel

B. Tests shall be performed to measure the emissions at the RTO inlet, of the following compounds while the rotary dryer furnace and reverberatory furnace are operated at maximum capacity. The tests at the RTO inlet shall be performed simultaneously with the tests at the WESP outlet.

Tests shall include, but may not be limited to, a test for:

1,3-Butadiene

Benzene

Total non-methane hydrocarbons

Carbon Monoxide

[RULE 1401, 3-4-2005; RULE 1402, 3-4-2005]

[Devices subject to this condition : S159, C161]

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

D182.8 The operator shall test this equipment in accordance with the following specifications:

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

A) The test(s) shall be conducted not later than 180 days following the installation of this equipment. A written source test report shall be submitted to the Refinery and Waste Management Permitting Unit, Engineering and Compliance, not later than 45 days after the initial source test date. The test report shall contain all of the data and information required by Condition K 171.4.

B) The test(s) shall be conducted on the exhaust outlet of the catalytic converter serving the internal combustion engine.

C) The operator shall demonstrate compliance with all applicable ROG, NOx, and CO, emission limits by conducting a source test not less than once every three years following the initial source test, using approved AQMD methods.

D) The test shall be conducted when the engine is operating under full load to demonstrate compliance with all applicable rule limits.

E) The operator shall comply with all general testing, reporting, and recordkeeping requirements in sections E and K of this permit.

F) The tests shall determine the concentration of non-methane hydrocarbons (ROG), oxides of nitrogen (NOx) and carbon monoxide (CO) emissions in the catalytic converter exhaust outlet in parts per million by volume adjusted to 15 percent oxygen (PPMv at 15% O2) on a dry basis.

G) The tests shall also measure the concentration of carbon dioxide in percent by volume (CO2) at the catalytic converter exhaust outlet and the concentration of oxygen (O2) in percent by volume at both the inlet and outlet of the catalytic converter, on a dry basis.

H) For the purpose of this condition, ROG emissions shall be reported as methane (CH4).

I) The number and duration of each NOx source test run shall be performed in accordance with the requirements in the Rule 2012 protocol.

J) The source tests shall be performed by a qualified testing laboratory and

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

conducted in accordance with acceptable AQMD procedures.

K) Sampling facilities shall comply with the AQMD "Guidelines For The Construction Of Sampling And Testing Facilities", pursuant to Rule 217.

L) Failure to comply with any of these conditions may result in the invalidation, or rejection, of test results. Any tests which are determined to be invalid, or rejected, by the AQMD's source test evaluation and/or permitting groups, shall be repeated.

[RULE 1110.2, 6-3-2005; **RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1) -BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; **RULE 1703 - PSD Analysis, 10-7-1988; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D165]

D182.9 The operator shall test this equipment in accordance with the following specifications:

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

A) The test(s) shall be conducted and a written report submitted to the AQMD not later than 180 days of initial installation of the new room ventilation baghouses.

B) The test(s) shall measure the emissions of total lead at the inlet and outlet of each baghouse. Triplicate source tests shall be conducted simultaneously on the inlet and outlet of each baghouse in accordance with the requirements set forth by Rule 1420 (e)(2). The outlet tests shall also be conducted in accordance with the requirements set forth by Rule 1420.1 (k).

C) Triplicate source tests shall be conducted for exhaust gas lead concentration in each baghouse outlet, pursuant to 40CFR 63 Subpart X. The outlet tests in part B of this condition may be used to fulfill this requirement if equivalency in testing methods can be demonstrated to satisfy the requirements of all rules.

D) The tests shall be conducted while the battery wrecking and conveying system is operated under normal operating conditions.

E) The source tests shall be performed by a qualified testing laboratory and conducted in accordance with acceptable District procedures.

F) The Rule 1420.1 source tests shall be conducted by a qualified testing contractor approved for Rule 1420.1 testing.

G) Written notice shall be provided to the AQMD at least 10 days prior to testing so that an AQMD observer may be present during the tests.

H) Sampling facilities shall comply with the attached District "Guidelines for the Construction of Sampling and Testing Facilities", pursuant to rule 217.

I) Written results shall be submitted to the AQMD within 60 days after testing.

[RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **40CFR 63 Subpart X, 6-23-2003**]

[Devices subject to this condition : C168, C170]

D182.10 The operator shall test this equipment in accordance with the following specifications:

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

A) The test(s) shall be conducted and a written report submitted to the AQMD not later than 180 days of initial installation of the new refinery baghouse of device C21.

B) Triplicate source tests shall be conducted to measure the exhaust gas concentration and emission rate of total lead, in the outlet of the Wet Electrostatic Precipitator, to demonstrate compliance with 40CFR 63 Subpart X and Rule 1420.1.

C) The tests shall be conducted while the refining pot kettles are operated under normal operating conditions.

D) The source tests shall be performed by a qualified testing laboratory, and conducted in accordance with acceptable AQMD procedures.

E) The source tests shall be conducted by a qualified testing contractor approved for 40CFR 63 Subpart X and Rule 1420.1 testing.

F) Written notice shall be provided to the AQMD at least 10 days prior to testing so that an AQMD observer may be present during the tests.

G) Sampling facilities shall comply with the District "Guidelines For The Construction of Sampling and Testing Facilities", pursuant to Rule 217.

H) Written results shall be submitted to the AQMD within 60 days after testing.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **40CFR 63 Subpart X, 6-23-2003**]

[Devices subject to this condition : C21, S159]

D322.2 The operator shall perform a weekly inspection of the rotary dryer furnace and remove internal build-up of feed material adhering to the internal surface of the rotary dryer furnace.

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

To comply with this condition, the operator shall ,within 24 hours following the discovery of material build-up, remove material which has fused and/or adhered to the internal surface of the rotary dryer furnace.

To comply with this condition, the operator shall maintain a weekly written or hard copy report of each rotary dryer furnace inspection, including a full description of any maintenance work performed on this furnace. This weekly report shall be signed by the supervisor on duty during the shift when the inspection and/or maintenance activity is completed. This report shall be presented to AQMD personnel upon request.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 12-7-1990]

[Devices subject to this condition : D3]

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

D323.1 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 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.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984;** RULE 401, 11-9-2001]

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

[Devices subject to this condition : D1, D3, D8, C40, D84, C89, S159, C161]

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 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; RULE 401, 3-2-1984;** RULE 401, 11-9-2001; **40CFR 60 Subpart L, 12-3-1976; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C21, C35, C39, C88, C168, C169, C170]

E. Equipment Operation/Construction Requirements

E71.3 The operator shall only operate this equipment if the concentration of non-methane hydrocarbons (ROG) in the exhaust gas outlet does not exceed 11.0 PPMv ROG at 15 percent oxygen. For the purpose of this condition, ROG shall be calculated as methane (CH4).

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

[RULE 1110.2, 6-3-2005; **RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1) -BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D165]

E71.4 The operator shall only operate this equipment if the concentration of oxides of nitrogen (NOx) in the exhaust gas outlet does not exceed 7.3 PPMv NOx at 15 percent oxygen.

[**RULE 2005, 5-6-2005; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D165]

E71.5 The operator shall only operate this equipment if the concentration of carbon monoxide (CO) in the exhaust gas outlet does not exceed 36.0 PPMv CO at 15 percent oxygen.

[RULE 1110.2, 6-3-2005; **RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1) -BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; **RULE 1703 - PSD Analysis, 10-7-1988**]

[Devices subject to this condition : D165]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

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

[Devices subject to this condition : C21, C35, C39, C88, C168, C170]

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 1110.2, 6-3-2005; **RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1) -BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; **RULE 2012, 5-6-2005**]

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

[Devices subject to this condition : D165]

E116.1 This engine shall not be used as part of a demand response program using interruptible service contract in which a facility receives a payment or reduced rates in return for reducing its electric load on the grid when requested to do so by the utility or the grid operator.

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

[Devices subject to this condition : D162]

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

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

A. The triboelectric-type broken bag detector shall be maintained in full operation whenever the equipment it serves is in operation.

B. The operator shall operate and maintain the triboelectric-type broken bag detector with a continuous monitoring system consisting of visual and audible alarms.

C. A printout of the high level alarm log shall be generated from the computer system interfaced with each broken bag detector system each calendar day. This printout shall be saved as a hard copy, or saved in electronic TIFF or PDF format each day. This printout shall display, in graphical form, the analog output signal from the triboelectric sensor.

D. The detector shall be maintained in accordance with the specifications defined in the operating instructions from the manufacturer. The detector zero point calibration shall be performed not less than once every twelve months in accordance with the procedures specified by the manufacturer, as submitted under Application No. 436957, and/or as amended.

E. Whenever the manufacturer(s) or current procedure(s) for setting the annual zero point on the triboelectric-type broken bag detectors changes, the operator shall submit a revised set of written procedures to the AQMD and shall make these procedures and associated records available upon request by AQMD personnel.

F. For the purpose of this condition, a deviation shall be defined as the indication by the triboelectric-type broken bag detector alarm of the existence of a leak in the baghouse bags during the operation of the equipment it serves.

G. Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

H. 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

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

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.

I. The operator shall submit an application with a 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.

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

K. The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; **40CFR 63 Subpart X, #02, 6-23-2003; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C35, C39, C88]

E193.2 The operator shall restrict the operation of this equipment as follows:

Operation beyond the allotted time 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, or has indicated that it expects to issue such an order at a certain time, in the control area where the engine is located.

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

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

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

[Devices subject to this condition : D162]

E193.3 The operator shall operate and maintain this equipment according to the following requirements:

A. This engine shall be fueled only on natural gas.

B. The catalytic converter temperature and inlet and outlet exhaust oxygen concentration shall be maintained within the effective operating range of the catalytic converter as specified by the manufacturer.

C. The accuracy of the catalytic converter temperature indicator and oxygen sensor shall be verified according to manufacturer's specifications at least once per year, prior to the performance of each annual compliance test.

D. The exhaust pipe shall discharge in a vertical direction, with no weather cap, and the exhaust outlet shall be maintained at a height above ground level of not less than 12 feet.

[RULE 1110.2, 6-3-2005; **RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1) -BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005; **RULE 1703 - PSD Analysis, 10-7-1988**]

[Devices subject to this condition : D165]

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

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

A Rule 1402 facility-wide health risk assessment (HRA) shall be performed subject to the following conditions:

A) Upon approval of the source test report for the WESP system, detailed dispersion modeling and an HRA shall be performed based on the new emission rate data and based on instructions provided by the AQMD subsequent to approval of the source test report.

B) Within 60 days following the District approval of the initial source test results, Quemetco shall submit a revised AB2588 HRA based on the approved source test results to determine the risk level (MICR and hazard indices) and the cancer burden.

C) Two copies of the HRA report shall be submitted to the District (Attention: Refinery and Waste Management Permitting.)

D) The HRA report prepared pursuant to this condition shall be used to demonstrate compliance with Rule 1402 requirements in conjunction with the Risk Reduction Plan submitted by Quemetco to the AQMD. The demonstrated risk shall not exceed the action risk levels as defined in Rule 1402 and the demonstration shall be completed within the timeline set forth in the rule.

[RULE 1402, 3-4-2005]

[Devices subject to this condition : S159]

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

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

Quemetco shall test the outlet of the WESPs for all of the compounds listed in Permit Condition D182.6 of the WESPs/RTO permit to construct and temporary permit to operate subject to the following conditions:

A) Source tests shall be performed once each year for two consecutive years following the completion of the initial source testing/HRA.

B) If, the initial testing/HRA, and the two subsequent annual testing/HRAs, all demonstrate a MICR below 10 in a million, the testing/HRA frequency shall be reduced to a minimum of at least one test/HRA every two years until a minimum of three consecutive District-approved tests/HRAs are performed which all verify that the MICR remains below 10 in a million.

C) If the three District-approved tests/HRAs conducted every two years all demonstrate that emissions are at or below the levels necessary to keep the Facility cancer risk below 10 in one million, subsequent source tests may be conducted at three-year intervals.

D) If, in any of the first three initial tests/HRAs, a test/HRA results in a MICR of 10 in a million or higher, the tests/HRAs shall continue on an annual basis until it is demonstrated in three consecutive annual District-approved tests/HRAs that the MICR is below 10 in a million.

E) If any tests/HRAs demonstrate a MICR of 10 in a million or higher, the tests/HRAs shall also be performed every year until three consecutive annual District-approved tests/HRAs demonstrate that the Facility is operating at a MICR below 10 in a million.

F) Tests/HRAs performed subsequent to a demonstration of compliance with part E of this condition shall be performed at the (2 year or 3 year) frequency in effect prior to the annual frequency required by condition E.

G) Notwithstanding the above, source testing and HRA submittal shall be required only once every 3 years, beginning July 2, 2022.

H) All written test results shall be submitted to the District within 45 days after

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

completion of the tests. If Quemetco has paid for expedited laboratory analysis and report preparation, but cannot provide a written report within 45 days, it may request the Executive Officer or his designee to grant an extension of up to 15 days and a reasonable extension will be granted upon a showing that the delay was due to conditions beyond the reasonable control of Quemetco, as determined by the Executive Officer.

I) In addition, within 60 days after the District approval of any of the tests, Quemetco shall submit a new HRA based on the source tests results. The HRA must be prepared in accordance with the OEHHA, CARB, and AQMD guidelines in effect at the time of the analysis and risks must be estimated using the latest approved version of Risk Assessment model available at the time.

[RULE 1402, 3-4-2005]

[Devices subject to this condition : S159]

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

A. A minimum of one (1) room ventilation baghouse shall be in full operation at any time that the battery wrecking and conveying system is in operation.

B. The HEPA filters used in this equipment shall be certified, in writing, by the manufacturer to have a minimum control efficiency of 99.97 percent on 0.3 micron particles.

C. Copies of the HEPA filter certifications shall be kept and maintained on file for a minimum of 5 years and shall be provided to District personnel upon request.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C168, C170]

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

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

A) The connections between the pot furnaces (device nos. D16, D17, D18, D19 ,D20, D99, and D100) and the wet electrostatic precipitator (WESP) exhaust intake manifold (device no. B138) shall be defined as the connection between the pot furnace burner exhaust stack and the WESP system.

B) The connection between the pot furnace burner exhaust stack and the WESP exhaust intake manifold shall be located downstream of the pot furnace burner exhaust system NOx continuous emissions monitoring system (CEMS).

C) The operator shall maintain RECLAIM certification of both the pot furnace burner exhaust CEMS and the WESP stack CEMS.

D) The burner exhaust gas stream from the refining pot furnaces shall be diverted, by means of a damper system, to the WESP exhaust intake manifold at all times that the WESP system is in operation.

E) A monitoring and recording device shall be installed and maintained which indicates and records the positions (open or closed) of the pot furnace burner exhaust stack damper.

F) When the pot furnace combustion gas stack outlet damper is closed, and the exhaust gas damper from the pot furnace burner stack to the WESP exhaust intake manifold is open, the RECLAIM NOx emissions recorded by the pot furnace burner exhaust CEMS shall be deducted from the total facility RECLAIM NOx emissions recorded by the WESP stack certified NOx CEMS.

G) When the pot furnace burner exhaust stack damper is open to the atmosphere, the RECLAIM NOx emissions for the pot furnaces shall be reported via the certified pot furnace burner exhaust NOx CEMS.

H) Upon connection of the pot furnace burner exhaust stack to the WESP exhaust intake manifold, any period of time involving operation of the pot furnaces with the burner exhaust gas vented directly to atmosphere, shall be defined to be a period of abnormal operation.

I) During each event of abnormal operation, as defined in this condition, and/or

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

during each event when the WESP system malfunctions and/or is not in full operation, the operator shall record the reason(s) for each event.

J) The operator shall keep and maintain all records required by this condition for a minimum of five years and shall make these records available to AQMD personnel upon request. These records shall be kept onsite and shall include, but not be limited to, monitoring records of each stack damper position (open and closed), and reasons.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **RULE 2012, 5-6-2005; 40CFR 63 Subpart X, #02, 6-23-2003**]

[Devices subject to this condition : B138, S159]

E448.5 The operator shall comply with the following requirements:

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

The operator shall install and maintain at least three (3) separate digital pressure differential monitoring systems inside the Total Containment Building so as to measure the negative pressure differential between the internal building atmosphere and the external atmosphere at all times. Each of these systems shall be operated pursuant to the following requirements:

A. Each building pressure differential monitoring system shall be equipped with a continuous chart recorder.

B. A minimum of one (1) building pressure differential monitoring system shall be installed at each of the following three (3) walls in the Total Enclosure Building, pursuant to the requirements in Rule 1420.1 (e)(4):

1. Leeward wall inside of the total enclosure building.

2. The inside wall of the building opposite the leeward wall.

3. An inside wall location defined by the intersection of a perpendicular line between this wall and within plus or minus ten (10) meters of the midpoint of a straight line between the two other monitors described in Subparts (B)(1) and (B)(2) of this condition. For the purpose of this condition, the midpoint monitor shall NOT be located on the same walls as any of the other two monitors described in this condition.

C. Ventilation of the total enclosure at any opening including, but not limited to, vents, windows, passages, doorways, bay doors, and roll-ups shall continuously be maintained at a negative pressure of at least 0.02 mm of Hg (0.011 inches water column).

D. Each differential pressure monitoring system shall be equipped with a backup, uninterruptible power supply to ensure continuous operation of the monitoring system during a power outage.

[RULE 1420.1, 11-5-2010]

[Devices subject to this condition : C169]

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

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
Total hydrocarbon	District Rule	1470
ROG	District Rule	1470
NOX	District Rule	1470
CO	District Rule	1470
PM	District Rule	1470

[RULE 1470, 3-4-2005]

[Devices subject to this condition : D162]

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

Contaminant	Rule	Rule/Subpart
ROG	District Rule	1110.2
CO	District Rule	1110.2

[RULE 1110.2, 6-3-2005; **RULE 1703 - PSD Analysis, 10-7-1988**]

[Devices subject to this condition : D165]

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

H116.2 The operator shall ensure that the exhaust system conforms to design and operation specifications given in the most current edition of "Industrial Ventilation, Guidelines and Recommended Practices", published by the American Conference of Governmental and Industrial Hygienists (20th edition or thereafter). in order to comply with Rules 1407 and 1420 whenever the equipment vented by this air pollution control system is in operation.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; **40CFR 63 Subpart X, #02, 6-23-2003**]

[Devices subject to this condition : C21, C35, C39, C88]

H116.3 The operator shall ensure that the bag leak detection system meets the requirements of 40 CFR Part 63, Subpart X, Sections 63.548 (e) (1) through (e) (8), and shall follow the procedures outlined in the USEPAs Fabric Filter Bag Leak Detection Guidance dated September 1997 or any revisions thereafter in order to comply with the National Emissions Standards for Secondary Lead Smelting whenever this equipment is in operation.

[**40CFR 63 Subpart X, #02, 6-23-2003; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C21, C35, C39, C88]

H116.4 The operator shall operate the ozone generator of device B103 in such a manner that the amount of oxides of nitrogen controlled by the scrubber of device C40 is sufficient in order to comply with the Rule 2009.1 plan approved for this facility whenever the reverberatory furnace is in operation.

[**RULE 2012, 5-6-2005**]

[Devices subject to this condition : C40]

K. Record Keeping/Reporting

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

The total quantity, in pounds, of calcined carbon coke charged to the slag furnace.

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

[Devices subject to this condition : D84]

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

The calendar dates on which triboelectric-type broken bag detector calibrations are performed.

A copy of the zero point calibration procedure used to calibrate the triboelectric-type broken bag detector.

Records from the baghouse inlet temperature recording device.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1407, 7-8-1994; **40CFR 63 Subpart X, #02, 6-23-2003; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C35, C39, C88]

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

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

An engine operating log shall be maintained which on a monthly basis shall include manual and automatic hours of operation, which identifies:

A. Emergency use hours of operation

B. Maintenance and testing hours

C. Other operating hours (describe the reason for operation)

In addition, each time the engine is started manually, the log shall include the date of operation and the timer reading in hours at the beginning and end of operation. The log shall be kept for a minimum of three calendar years prior to the current year and made available to district personnel upon request. The total hours of operation for the previous calendar year shall be recorded not later than January 15 of each year.

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 3-4-2005; **RULE 204, 10-8-1993**]

[Devices subject to this condition : D162]

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The pressure drop and water flow rate of this equipment shall be monitored and recorded at least once every hour.

[**RULE 2011, 5-6-2005**]

[Devices subject to this condition : C40, C89]

K67.6 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The pressure drop across the HEPA filter system shall be monitored and recorded daily.

[**40CFR 63 Subpart X, #02, 6-23-2003; 40CFR Part 64, 10-22-1997**]

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

[Devices subject to this condition : C168, C170]

K67.9 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

A daily operating log documenting absorber liquid flow rate, in gallons per minute, and liquid pH, with entries made at intervals not to exceed 4 hours.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 2011, 5-6-2005**]

[Devices subject to this condition : C89]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

A daily operating log documenting absorber liquid flow rate, in gallons per minute, and liquid pH, with entries made at intervals not to exceed 4 hours, whenever the SOx CEMS is not in full operation.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 2011, 5-6-2005**]

[Devices subject to this condition : C40]

K67.11 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

The total quantity, in standard cubic feet, of natural gas consumed in the rotary dryer furnace.

The total quantity, in gallons, of propane consumed in the rotary dryer furnace.

The total quantity, in standard cubic feet, of enrichment oxygen supplied to the rotary dryer furnace.

The total quantity, in standard cubic feet, of combustion air, supplied to the rotary dryer furnace.

The daily average level of oxygen enrichment percent calculated for the rotary dryer furnace.

The rotary dryer exhaust temperature, once per shift, in Deg F

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

[Devices subject to this condition : D3]

K67.12 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

The total quantity, in pounds each, of total material and calcined carbon coke, charged to the reverberatory furnace and rotary dryer, respectively.

The total quantity, in standard cubic feet, of natural gas consumed in the reverberatory furnace.

The total quantity, in gallons, of propane consumed in the reverberatory furnace.

The total quantity, in standard cubic feet, of enrichment oxygen supplied to the reverberatory furnace.

The total quantity, in standard cubic feet, of combustion air supplied to the reverberatory furnace.

The daily average level of oxygen enrichment percent calculated for the reverberatory furnace.

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

[Devices subject to this condition : D8]

K67.13 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The total amount, in tons, of raw lead metal produced by the reverberatory furnace each day, each calendar month and each calendar quarter.

The total amount, in tons, of raw lead metal produced by the lead slag furnace each day, each calendar month and each calendar quarter.

The total amount, in tons, of separated plastic shipped offsite each day, each calendar month and each calendar quarter.

The ratio of the total tons of separated plastic shipped off site to the combined, total tons of raw lead metal produced by the reverberatory and lead slag furnaces each calendar quarter.

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

[**RULE 204, 10-8-1993**]

[Devices subject to this condition : D1, D8, D84]

K67.15 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The water flow rate of this equipment shall be monitored and recorded at least once every hour.

[**RULE 2011, 5-6-2005**]

[Devices subject to this condition : C139, C143, C147, C151, C155]

K67.16 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records from the regenerative thermal oxidizer temperature recording device(s).

The dates on which calibrations of the regenerative thermal oxidizer temperature recording device(s) are performed.

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

[Devices subject to this condition : C161]

K67.17 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

A daily operating log documenting absorber liquid flow rate, in gallons per minute, and liquid pH, with entries made at intervals not to exceed 4 hours.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 2011, 5-6-2005**]

[Devices subject to this condition : C139, C143, C147, C151, C155]

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

K67.18 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

An engine operating log shall be maintained which on a monthly basis shall include manual and automatic hours of operation, which identifies:

A) Total hours of operation.

B) Each time the engine is started manually, the date of operation and the timer reading in hours at the beginning and end of operation.

C) Cumulative operating hours since the last source test.

D) Total natural gas usage in standard cubic feet.

E) Records of the annual catalytic converter oxygen sensor and temperature sensor accuracy verification tests.

F) Copies of the annual compliance source test reports.

The log shall be kept for a minimum of three calendar years prior to the current year and made available to district personnel upon request. The total hours of operation for the previous calendar year shall be recorded not later than January 15 of each year.

[RULE 1110.2, 6-3-2005; **RULE 2012, 5-6-2005; RULE 204, 10-8-1993**]

[Devices subject to this condition : D165]

K171.4 The operator shall provide to the District the following items:

FACILITY PERMIT TO OPERATE
QUEMETCO INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

A) A source testing plan shall be submitted which contains a list of proposed engine operating parameters which will be present during each test run including, but not limited to, the following:

1. The engine load, in horsepower, which will be used during the testing period.

2. Natural gas usage, in standard cubic feet per hour.

3. Catalytic converter temperature, in degrees Fahrenheit.

4. Catalytic converter inlet and outlet oxygen concentrations, in percent by volume on a dry basis.

B) The test plan shall be submitted for AQMD approval, and it shall include the following:

1. The identity of the testing laboratory.

2. A statement from the testing laboratory certifying it meets the criteria in AQMD Rule 304(k).

3. A list of contaminants to be tested.

4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.

5. Location of points of sampling.

6. Quality assurance measures.

7. Experience in testing procedures.

8. Date(s) and time(s) of commencement of the test(s).

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

C) The test plan shall be submitted to the Refinery and Waste Management Team, Engineering and Compliance, not less than 30 days before the proposed test date and shall be approved by the AQMD before the test commences.

D) Within 10 business days following each test date, Quemetco shall submit a written statement to the AQMD disclosing the engine operating parameters during each test run on each day that testing is performed.

E) The AQMD engineer assigned to this facility shall be notified in writing of the date and time of the test at least 10 days prior to the test, or within a time period agreed upon by the AQMD engineer.

[RULE 1110.2, 6-3-2005; **RULE 204, 10-8-1993**]

[Devices subject to this condition : D165]

K171.5 The operator shall provide to the District the following items:

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

A) Two (2) copies of the test plan shall be submitted to the AQMD Refinery and Waste Management Permitting Unit, Engineering and Compliance, not less than 60 calendar days prior to the initial test date and shall be approved by the AQMD before the tests commence. The plan shall include the proposed operating conditions of the equipment during each test run.

B) The total amount, in tons, of all materials charged to the battery wrecking and conveying system during each test run shall be recorded. The measuring period for determining the process weight of throughputs shall include the period during which the test run occurred. This requirement shall apply to each test run.

C) A test plan shall be submitted for District approval, and it shall include the following:

1. The identity of the testing laboratory.

2. A statement from the testing laboratory certifying it meets the criteria in District Rule 304 (k).

3. A list of contaminants to be tested.

4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.

5. Location of points of sampling.

6. Quality assurance measures.

7. Experience in testing procedures.

8. Date(s) and time(s) of commencement of the test(s).

D) The source tests shall be completed and a final report submitted to the AQMD Refinery and Waste Management Permitting Unit, Engineering and Compliance, not later than 180 days after construction of the battery breaking area Total Enclosure Building, and the associated baghouses, is completed.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[RULE 1420.1, 11-5-2010]

[Devices subject to this condition : C168, C170]

K171.6 The operator shall provide to the District the following items:

FACILITY PERMIT TO OPERATE
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

A) Two (2) copies of the test plan shall be submitted to the AQMD Refinery and Waste Management Permitting Unit, Engineering and Compliance, not less than 60 calendar days prior to the initial test date and shall be approved by the AQMD before the tests commence. The plan shall include the proposed operating conditions of the equipment during each test run.

B) The total amount, in tons, of all materials charged to the refining pot furnaces during each test run shall be recorded. The measuring period for determining the process weight of throughputs shall include the period during which the test run occurred. This requirement shall apply to each test run.

C) Parametric data for the Wet Electrostatic Precipitator (WESP) during each test run including, but not limited to, the field voltage in each WESP cell, the total number of cells in operation, each WESP scrubber recirculation flow rate and each WESP scrubber pH.

D) A test plan shall be submitted for District approval, and it shall include the following:

1. The identity of the testing laboratory.

2. A statement from the testing laboratory certifying it meets the criteria in District Rule 304 (k).

3. A list of contaminants to be tested.

4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.

5. Location of points of sampling.

6. Quality assurance measures.

7. Experience in testing procedures.

8. Date(s) and time(s) of commencement of the test(s).

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

E) The source tests shall be completed and a final report submitted to the AQMD Refinery and Waste Management Permitting Unit, Engineering and Compliance, not later than 180 days after construction of the new refinery baghouse.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **40CFR 63 Subpart X, 6-23-2003**]

[Devices subject to this condition : C21, S159]

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SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans, with the following exceptions:

a. The operator does not have to comply with NOx or SOx emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) which become effective after December 31, 1993.

b. The operator does not have to comply with NOx or SOx emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) after the facility has received final certification of all monitoring and reporting requirements specified in Section F and Section G.

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

List of approved plans:

Application	Rule
299744	1407
436957	3003
488109	1420

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

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SECTION J: AIR TOXICS
[40CFR 63 Subpart X, #02 06-23-2003]

SECONDARY LEAD SMELTING FACILITIES, WITHOUT COLLOCATED BLAST AND REVERBERATORY FURNACES

1. The owner/operator shall comply with all applicable requirements of 40 CFR 63, Subpart X and of Subpart A - General Provisions by the date(s) specified in these subparts.

2. The owner/operator shall submit all reports, notifications, plans, submittals and other communications required by Subpart X or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (See Sections E and K of this permit for addresses).

3. Gases discharged to the atmosphere from any blast, reverberatory, rotary, or electric smelting furnace shall not contain lead compounds in excess of 2.0 milligrams of lead per dry standard cubic meter (0.00087 grains of lead per dry standard cubic foot).

4. All process fugitive emission sources shall be located in a total enclosure.

5. All enclosure hoods, and total enclosures or building ventilation shall be vented to (an) air pollution control device(s). Gases discharged to the atmosphere from the(se) control device(s) shall not contain lead compounds in excess of 2.0 milligrams of lead per dry standard cubic meter (0.00087 grains of lead per dry standard cubic foot).

6. All dryer emission vents and agglomerating furnace emission vents shall be vented to (an) air pollution control device(s). Gases discharged to the atmosphere from the(se) control device(s) shall not contain lead compounds in excess of 2.0 milligrams of lead per dry standard cubic meter (0.00087 grains of lead per dry standard cubic foot).

7. The owner/operator shall maintain the ventilation in the total enclosure building at a lower than ambient pressure to ensure an in-draft through the doorway opening(s). The in-draft shall be no less than 0.02 mm Hg when all doors are in the position they are in during normal operation.

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SECTION J: AIR TOXICS
[40CFR 63 Subpart X, #02 06-23-2003]

8. An initial compliance test, to determine lead compound emissions from all control devices shall be conducted no later than June 20, 1998. Thereafter, an annual compliance test shall be conducted no later than 12 calendar months from the initial compliance test date. The testing frequency may be reduced to a test every 24 calendar months provided the previous compliance test from the source demonstrates that the lead compound emissions were 1.0 milligrams of lead per dry standard cubic meter (0.00044 grains per dry standard cubic foot) or less.

9. The test methods used shall comply with requirements of Section 63.547.

10. The control of fugitive dust shall be maintained in accordance with the standard operating procedures (SOP) manual that was submitted pursuant to the requirements of Section 63.545 and that has been approved by the AQMD.

11. The owner/operator shall comply with all applicable monitoring requirements of Section 63.548.

12. The procedures for inspection, maintenance and the bag leak detection and corrective action plan for all baghouses (fabric filters) that are used to control process, process fugitive, or fugitive dust emissions from any source subject to the lead emission standards in, including those used to control emissions from building ventilation, shall be pursuant to the standard operating procedures (SOP) manual that was submitted pursuant to the requirements of Section 63.548 and that has been approved by the AQMD.

13. The bag leak detection system shall meet the requirements of Section 63.548 (e)(1) through (e)(8) and follow procedures outlined in the USEPA's Fabric Filter Bag Leak Detection Guidance dated September 1997 or any revisions thereafter.

14. The pressure drop across the HEPA filter system(s) shall be monitored and recorded daily. If the pressure drop is outside the limit(s) stated in Sections D and/or H of this Facility Permit, the owner/operator shall take corrective measures as stated in Section 63.548.

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SECTION J: AIR TOXICS
[40CFR 63 Subpart X, #02 06-23-2003]

15. The owner/operator shall comply with the notification requirements pursuant to Section 63.549.

16. The owner/operator shall comply with all recordkeeping and reporting requirements pursuant to Section 63.550.

FACILITY PERMIT TO OPERATE
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SECTION K: TITLE V Administration

GENERAL PROVISIONS

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

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

Permit Renewal and Expiration

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

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

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

Duty to Provide Information

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

Payment of Fees

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

FACILITY PERMIT TO OPERATE
QUEMETCO INC

SECTION K: TITLE V Administration

Reopening for Cause

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

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

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

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

COMPLIANCE PROVISIONS

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

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

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

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

FACILITY PERMIT TO OPERATE
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SECTION K: TITLE V Administration

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

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

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

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

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

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

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

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

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

FACILITY PERMIT TO OPERATE
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SECTION K: TITLE V Administration

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

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

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

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

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

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

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

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

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

FACILITY PERMIT TO OPERATE
QUEMETCO INC

SECTION K: TITLE V Administration

EMERGENCY PROVISIONS

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

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

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

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

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

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

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

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

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

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RECORDKEEPING PROVISIONS

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

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

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

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

    (D) The analytical techniques or methods used;

    (E) The results of such analyses; and

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

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

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

REPORTING PROVISIONS

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

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

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

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

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

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

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

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

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(B) The compliance status during the reporting period;

(C) Whether compliance was continuous or intermittent;

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

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

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

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

PERIODIC MONITORING

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

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FACILITY RULES

This facility is subject to the following rules and regulations

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

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1110.2	6-3-2005	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-9-2004	Non federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1401	12-7-1990	Non federally enforceable
RULE 1401	3-4-2005	Non federally enforceable
RULE 1402	3-4-2005	Non federally enforceable
RULE 1407	7-8-1994	Non federally enforceable
RULE 1420	9-11-1992	Non federally enforceable
RULE 1420.1	11-5-2010	Non federally enforceable
RULE 1470	3-4-2005	Non federally enforceable
RULE 1703 - PSD Analysis	10-7-1988	Federally enforceable
RULE 2005	5-6-2005	Federally enforceable
RULE 2011	5-6-2005	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	7-11-2003	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	1-14-1982	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 463	5-6-2005	Federally enforceable
RULE 466.1	3-16-1984	Non federally enforceable
RULE 466.1	5-2-1980	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 60 Subpart L	12-3-1976	Federally enforceable
40CFR 63 Subpart X	6-23-2003	Federally enforceable
40CFR 63 Subpart X, #02	6-23-2003	Federally enforceable
40CFR Part 64	10-22-1997	Federally enforceable

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

1. INTERNAL COMBUSTION ENGINES, GENERATORS, GASOLINE
2. INTERNAL COMBUSTION ENGINES, PUMPS, GASOLINE
3. INTERNAL COMBUSTION ENGINES, STEAM CLEANER, DIESEL
4. INTERNAL COMBUSTION ENGINES, WELDER, DIESEL
5. TORCHES, ACETYLENE

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 11-08-1996]

(1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.

(2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

TABLE OF STANDARDS

VOC LIMITS

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

COATING	Limit*	Effective Date of Adoption	Effective 1/1/1998	Effective 1/1/1999	Effective 7/1/2001	Effective 1/1/2005	Effective 7/1/2008
Bond Breakers	350						
Clear Wood Finishes							
Varnish	350						
Sanding Sealers	350						
Lacquer	680		550			275	
Concrete-Curing Compounds	350						
Dry-Fog Coatings	400						
Fire-proofing Exterior Coatings	350	450		350			
Fire-Retardant Coatings							
Clear	650						
Pigmented	350						
Flats	250				100		50
Graphic Arts (Sign) Coatings	500						

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APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 11-08-1996]

Industrial Maintenance Primers and Topcoats							
Alkyds	420						
Catalyzed Epoxy	420						
Bituminous Coatings	420						
Materials							
Inorganic Polymers	420						
Vinyl Chloride Polymers	420						
Chlorinated Rubber	420						
Acrylic Polymers	420						
Urethane Polymers	420						
Silicones	420						
Unique Vehicles	420						
Japans/Faux Finishing Coatings	350	700		350			
Magnesite Cement Coatings	600			450			
Mastic Coatings	300						
Metallic Pigmented Coatings	500						
Multi-Color Coatings	420		250				
Pigmented Lacquer	680		550			275	
Pre-Treatment Wash Primers	780						
Primers, Sealers, and Undercoaters	350						
Quick-Dry Enamels	400						
Roof Coatings	300						
Shellac							
Clear	730						
Pigmented	550						
Stains	350						
Swimming Pool Coatings							
Repair	650						
Other	340						
Traffic Coatings	250		150				
Waterproofing Sealers	400						
Wood Preservatives							
Below-Ground	350						
Other	350						

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

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE
OUEMETCO INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-09-2004]

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

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

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APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-09-2004]
TABLE OF STANDARDS
VOC LIMITS

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

COATING	Limit	Effective Date								
	*	1/1/98	1/1/99	7/1/01	1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350									
Clear Wood Finishes										
Varnish	350							275		
Sanding Sealers	350							275		
Lacquer	680	550					275			
Clear Brushing Lacquer	680						275			
Concrete-Curing Compounds	350									
Dry-Fog Coatings	400									
Fire-Proofing Exterior Coatings	450		350							
Fire-Retardant Coatings										
Clear	650									
Pigmented	350									
Flats	250			100						50
Floor Coatings	420				100			50		
Graphic Arts (Sign) Coatings	500									
Industrial Maintenance (IM) Coatings	420					250		100		
High Temperature IM Coatings**					420					
Zinc-Rich IM Primers	420				340			100		
Japans/Faux Finishing Coatings	700		350							
Magnesite Cement Coatings	600		450							
Mastic Coatings	300									
Metallic Pigmented Coatings	500									
Multi-Color Coatings	420	250								
Non-Flat Coatings	250				150			50		
Pigmented Lacquer	680	550					275			
Pre-Treatment Wash Primers	780				420					
Primers, Sealers, and Undercoaters	350				200			100		
Quick-Dry Enamels	400				250			50		

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-09-2004]

COATING	Limit	Effective Date								
	*	1/1/98	1/1/99	7/1/01	1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Quick-Dry Primers, Sealers, and Undercoaters	350				200			100		
Recycled Coatings					250					
Roof Coatings	300				250		50			
Roof Coatings, Aluminum	500						100			
Roof Primers, Bituminous	350				350					
Rust Preventative Coatings	420				400			100		
Shellac										
Clear	730									
Pigmented	550									
Specialty Primers	350							100		
Stains	350				250				100	
Stains, Interior	250									
Swimming Pool Coatings										
Repair	650				340					
Other	340									
Traffic Coatings	250	150								
Waterproofing Sealers	400				250			100		
Waterproofing Concrete/Masonry Sealers	400							100		
Wood Preservatives										
Below-Ground	350									
Other	350									

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

** The National VOC Standard at 650 g/l is applicable until 1/1/2003

TABLE OF STANDARDS (cont.)
VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE
OUEMETCO INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 11-07-2003]

(1) Solvent Requirements

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

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
(B) Repair and Maintenance Cleaning	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)

FACILITY PERMIT TO OPERATE
OUEMETCO INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 11-07-2003]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 11-07-2003]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS VOC g/l (lb/gal)
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-06-2005]

(1) Solvent Requirements

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

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS*	Effective 7/1/2005*	Effective 7/1/2006
	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals			

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-06-2005]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS*	Effective 7/1/2005*	Effective 7/1/2006
	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)	25 (0.21)	
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	750 (6.3)	100 (0.83)	
(B) Packaging	25 (0.21)		
(iv) Lithographic or Letter Press Printing			
(A) Roller Wash – Step 1	600 (5.0)	500 (4.2)	100 (0.83)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)	500 (4.2)	100 (0.83)

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-06-2005]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS*	Effective 7/1/2005*	Effective 7/1/2006
	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(C) Removable Press Components	25 (0.21)		
(v) Screen Printing	750 (6.3)	500 (4.2)	100 (0.83)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)	500 (4.2)	100 (0.83)
(vii) Specialty Flexographic Printing	600 (5.0)	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

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

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

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

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

TABLE 404(a)

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

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 404 02-07-1986]

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

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 404 02-07-1986]

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

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APPENDIX B: RULE EMISSION LIMITS
[RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

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

TABLE 405(a)

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 405 02-07-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0