

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					
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
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 (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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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			

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 (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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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, D.R. TECHNOLOGY, INC., MODEL CUSTOM A/N:	C2	D1 C109 C168 C169 C170		PM: (9) [RULE 404, 2-7-1986]	D323.1

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- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 1: SECONDARY LEAD SMELTING					
CYCLONE, WITH A 50-HP MINIMUM EXHAUST BLOWER AND AN INTEGRAL 500 GALLON TANK, HEIGHT: 17 FT 6 IN; DIAMETER: 5 FT 6 IN A/N:	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:	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
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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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]	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		LEAD: (10) [40CFR 63 Subpart X, #02, 6-23-2003]; PM: (9) [RULE 405, 2-7-1986]	
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
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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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 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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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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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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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 1FT L.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 1FT L.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

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

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

FACILITY PERMIT TO OPERATE 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					
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

- * (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 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]	

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

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FACILITY PERMIT TO OPERATE QUEMETCO INC

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					
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			

- * (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 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

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

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FACILITY PERMIT TO OPERATE QUEMETCO INC

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 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
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 (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 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
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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FACILITY PERMIT TO OPERATE QUEMETCO INC

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 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
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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**FACILITY PERMIT TO OPERATE
QUEMETCO INC**

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
 QUEMETCO INC**

SECTION D: DEVICE ID INDEX

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**FACILITY PERMIT TO OPERATE
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 SECTION D: DEVICE ID INDEX**

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**FACILITY PERMIT TO OPERATE
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SECTION D: DEVICE ID INDEX

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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
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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.

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:

[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 QUEMETCO INC

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

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:

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]

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:

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]

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:

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:

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:

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]

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:

[Devices subject to this condition : D84]

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

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:

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

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:

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]

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:

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]

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:

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.

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:

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

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:

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

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:

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

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:

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

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:

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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : 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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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]

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.

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:

[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]

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:

- 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: $OE = (OF \times 100)/(OF + AF)$

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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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: $OE = (OF \times 100) / (OF + AF)$

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.

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:

[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.

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:

[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]

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:

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]

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:

[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]

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:

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.

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:

[**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]

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:

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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 SO_x 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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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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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 : 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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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):

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:

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]

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:

[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):

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:

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):

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:

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]

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:

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