Kennecott Utah Copper Bingham Canyon Mine

The following section is to address conditions for the Kennecott Utah Copper Bingham Canyon Mine that were listed in the 1994 PM10 SIP under Section IX.H.2.2.W.

1. Condition W.1 was an equipment listing. Some the equipment has been replaced or is no longer in use at the BCM. The condition limited the type but not the operation of the equipment. This condition had no effect on limiting the emissions to the atmosphere.

1. The approved installations shall consist of only the following equipment located at the site:

A. Crushers
B. Conveyors
C. Haul Trucks
D. Loaders
E. Graders
F. Bulldozers, Scrapers
G. Drills
H. Lime Silo
I. Water Trucks
J. Utility Vehicles
K. Diesel Locomotives
L. Various small engine powered mobile equipment

2. Condition W.2 was a limit on the total material moved per 12-month period. This has been superseded as allowed under Condition H.2.a.H in Section IX of the federally approved 1994 PM10 SIP. The new limit is 260,000,000 tons of total material moved (ore and waste) per rolling 12-month period. Total ore and waste limitation shall be applied to dry tons of new material mined at the production shovels face.

2. Total material moved (ore and waste) shall not exceed 150,500,000 tons per 12-month period without prior approval in accordance with Section 3.1, UACR. Compliance with the throughput limitation shall be determined on a rolling-annual total reported on a monthly basis. On the first day of each new month, a new 12-month total shall be calculated using the previous 12 months. Records of throughput shall be kept for all periods when the mine is in operation. Records of throughput shall be made available to the Executive Secretary of the Utah Air Conservation Committee upon request, and shall include a period of two years ending with the date of the request. Total material moved shall be determined by the use of daily haulage reports.

DAQC-196-14
Site ID 10571 (B4)

MEMORANDUM

To: **STACK TEST FILE – KENNECOTT UTAH COPPER – BINGHAM CANYON MINE**

Through: Harold Burge, Major Source Compliance Section Manager

From: Rob Leishman, Environmental Scientist

Date: 2/6/2014

Subject:

Company:	Kennecott Utah Copper
Location:	Kennecott Utah Copper Bingham Canyon Mine, 8362 West 10200 South, Bingham Canyon, Salt Lake County, Utah
Contact:	Cassady Kristensen, 801-204-2129
Tester:	Air Pollution Testing, Inc.
Source:	C6/C7 and C7/C8 Controlled Drop Point Baghouses
Airs #:	035-00347
Permit#	AO DAQE-AN0105710032-13 dated 1/28/2013
Action Code:	3A
Subject:	Review of Stack Test Report dated 1/14/2014

On 1/24/2014, DAQ received a test report for the Kennecott Utah Copper Bingham Canyon Mine C6/C7 and C7/C8 Controlled Conveyor Drop Point Baghouses in Bingham Canyon, Utah. Testing was performed on 11/26-27/2013, to demonstrate compliance with the PM_{10} emission limits found in AO dated 1/28/2013 Condition II.B.1.a. The DAQ-calculated test results are:

Source	Test Date	Pollutant	Result	Limit
C6/C7 Baghouse	11/26/2013	PM_{10}	0.0006 gr/dscf 0.03 lb/hr	0.007 gr/dscf 0.31 lb/hr
C7/C8 Baghouse	11/27/2013	PM_{10}	0.0005 gr/dscf 0.02 lb/hr	0.007 gr/dscf 0.19 lb/hr

DEVIATIONS: None noted.

CONCLUSION: The PM_{10} emissions were in compliance with the applicable limits at the time of testing.

RECOMMENDATION: No further action is necessary.

HPV: No compliance action is recommended.

Document Date 2/6/2014
DAQ-2014-003118

Division of Air Quality
Compliance Demonstration

Referance Method 201 & 201A for PM10

Source Information

Company Name	**Kennecott Bingham Mine**
Company Contact:	**Cassady Kristensen**
Contact Phone No.	**801-204-2129**
Stack Designation:	**C6/C7 Transfer Point Baghouse**

Test & Review Dates

Test Date:	2/5/2014
Review Date:	11/26/2013
Observer:	Rob Leishman
Reviewer:	**Rob Leishman**

Particulate Emission Limits

lbs/MMBTU	lbs/hr	gr/dscf		
0.000	0.310	0.007		

Front Half Emission Rates				
lbs/MMBTU	**lbs/hr**	**gr/dscf**		
	0.03	**0.000615968**		

Total (Front & Back Half) Emission Rates				
lbs/MMBTU	**lbs/hr**	**gr/dscf**		
	0.213844184	**0.003953289**		

Test Information

Stack I.D. inches	**As ft^2**	Y	Dl H @	Cp	Pbar	Pq (static)	**Dn**	**Target Time**
18.50	1.87	1.0000	1.68	0.84	25.02	0.69	0.134	60
Circular								

Contractor Information

Contracting Company:	Air Pollution Testing (APT)
Contact:	Andrew Burning - Alex Mongold
Phone No.:	801-974-0481
Project No.:	

F factors for Coal, Oil, and Gas

	Fd scf/MMBtu	Fw scf/MMBtu	Fc scf/MMBtu
COAL			
Anthrocite 2	10100	10540	1970
Bituminous 2	9780	10640	1800
Lignite	9860	11950	1910
OIL	9190	320	1420
GAS			
Natural	8710	10610	1040
Propane	8710	10200	1190
Butane	8710	10390	1250

F factor used

lbs/MMBtu

O2

CO2

Division of Air Quality
Reference Methods 5 - TSP
Compliance Demonstration of

Kennecott Bingham Mine - C6/C7 Transfer Point Baghouse

Testing Results				
Test Date	2/5/2014	2/5/2014	2/5/2014	2/5/2014
	Run 1	Run 2	Run 3	Run 4
As ft^2	1.87	1.87	1.87	1.87
Pbar	25.02	25.02	25.02	25.02
Pq (static)	0.69	0.69	0.69	0.69
Ps	25.07	25.07	25.07	25.07
Avg. Ts F	56.50	61.80	58.30	
CO2 - F_{CO2}	0.00	0.00	0.00	0.00
O2	20.90	20.90	20.90	0.00
N2+C	79.10	79.10	79.10	100.00
Md	28.84	28.84	28.84	28.00
Mw	28.63	28.64	28.68	
Y	1.0000	1.0000	1.0000	1.0000
Cp	0.84	0.84	0.84	0.84
Vm cf	24.847	25.440	25.121	0.000
Vlc	10.800	8.700	6.900	0.000
$A_{VG.}$ Tm F	53.45	55.00	54.75	
Vm cf	24.847	25.44	25.121	0
Vm std	21.384	21.830	21.566	#VALUE!
Vw std	0.510	0.410	0.320	
Bws	2.30%	1.80%	1.40%	#VALUE!
S Bws	1.85%	2.23%	1.97%	#VALUE!
Avg. Sqrt Dlp	1.10	1.10	1.09	1.05
Vs	67.254	67.533	66.426	
scfm wet	6452.02	6413.01	6350.44	#VALUE!
acfm	7532.49	7563.77	7439.73	
Qsd dscfm	379975	377854	375692	
Qs ft^3/min	0.453162	0.458717	0.456228	#VALUE!
% Isokinetic	105.94	109.21	109.87	
Viscostiy	176.01	177.65	177.11	

	Lab Data - grams collected		
Lab Data	Cyclone Catch	Filter	Back
Run 1	**0.0002**	**0.000000**	**0.00875**
Run 2	**0.0000**	**0.001600**	**0.00275**
Run 3	**0.0003**	**0.000500**	**0.0025**
Run 4			

Kennecott Bingham Mine C6/C7 Transfer Point Baghouse

Front Half Emissions Summary					
	Run 1	Run 2	Run 3	Run 4	Avg.
gr./dscf	0.00014	0.00113	0.00057		0.00062
lbs/hr	0.00	0.06	0.03		0.030
lbs/MMbtu					
Particulate Emission Limits			***Front Half Emission Rates***		
lbs/MMBTU	**lbs/hr**	**gr/dscf**	**lbs/MMBTU**	**lbs/hr**	**gr/dscf**
	0.310	**0.007**		**0.03**	**0.000615968**

Kennecott Bingham Mine C6/C7 Transfer Point Baghouse

Total Emissions Summary w/back half condensable					
	Run 1	Run 2	Run 3	Run 4	Avg.
gr./dscf	0.00646	0.0031	0.0023		0.0040
lbs/hr	0.3507	0.1660	0.1248		0.2138
lbs/MMbtu					
Particulate Emission Limits			***Total Emission Rates***		
lbs/MMBTU	**lbs/hr**	**gr/dscf**	**lbs/MMBTU**	**lbs/hr**	**gr/dscf**
	0.310	**0.007**		**0.213844184**	**0.003953289**

Test Quality Parameters				
	Run 1	Run 2	Run 3	Run 4
D50	9.99	9.99	9.99	
Outlying Dlp's	0.00	0.00	0.00	
% Isokinetic	105.94	109.20	109.87	

	D50	Outlying Dlp's	% Isokinetic	Status	
Run 1	Passed	Passed	Passed	Acceptable Run	
Run 2	Passed	Passed	Passed	Acceptable Run	
Run 3	Passed	Passed	Passed	Acceptable Run	
Run 4					

Kennecott Bingham Mine									Test Date	2/5/2014
Run No. 1 - RM 201A - Pre-test velocity traverse:										
	Port 1		Port 2		Port 3		Port 4			
Point No.	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'		
1										
2										
3										

Imp. Liquid Collected in grams		
Wt. (Final)	Wt. (Tare)	lc
483.7	480.8	2.9
450.6	450.4	0.2
453.0	452.0	1.0
820.7	814.0	6.7
		0.0

ΔP1	Avg. Sqrt ΔP	No. Sample Points	t_1 in min.
1.10	1.124066743	12	4.72

	Ts avg -50°F	Avg. Ts oF	Ts avg +50°F
Ts °F	6.50	56.50	106.50
ΔH	0.55	0.50	0.45

Δ = delta, i.e., delta P would be ΔP

Stack I.D. (inches)	As ft^2	Pbar	Pq (static)	Ps	CO2 %	O2 %	N2+C	Md lb/lb mole	Mw lb/lb mole	Stack Saturation
18.50	1.87	25.02	0.69	25.07	0.00	20.90	79.10	28.84	28.63	0.0185

Y	ΔH@	Cp 201A	Cp 2	Dn	An	Vm cf	Vm std	Vlc	Vw std	Bws	S Bws
1.0000	1.68	0.84	0.84	0.134	9.79E-05	24.847	21.384	10.80	0.510	0.0230	0.0185

Avg. Sqrt Δp	Vs ft/sec	Avg. Δh	Avg. Tm F	scfm wet	acfm	Qsd dscfh	Qs (final) ft^3/min	μs Viscosity
1.1040	67.25	0.420	53.45	6,452	7,532	3.80E+05	0.453162422	176.01

Run Time (act)	Target Time
60.75	60

Sample Point No.	Dn used	Sampling End Time (Min.Sec.)	Actual Dwell Time (Min.Sec.)	Desired Dwell Time (Min.Sec.)	Stack Temp. Ts F	Velocity Head ΔP	Δh	D50	Dry Gas Meter Temp. tm F (in)	tm F (out)	Status Pmin & Pmax
1 - ΔP t1	0.134	4.45	4.45	4.45	46	1.10	0.42	9.990	50	51	Passed
2 - ΔP tn	0.134	10.00	5.15	4.45	58	1.30	0.42	9.990	51	54	Passed
3 - ΔP tn	0.134	15.30	5.30	5.00	58	1.40	0.42	9.990	51	55	Passed
4 - ΔP tn	0.134	21.15	5.45	5.15	59	1.60	0.42	9.990	51	56	Passed
5 - ΔP tn	0.134	26.30	5.15	4.45	59	1.30	0.42	9.990	51	56	Passed
6 - ΔP tn	0.134	31.15	4.45	4.30	60	1.10	0.42	9.990	52	57	Passed
7 - ΔP tn	0.134	35.45	4.30	4.00	50	0.94	0.42	9.990	51	56	Passed
8 - ΔP tn	0.134	40.30	4.45	4.30	52	1.10	0.42	9.990	51	57	Passed
9 - ΔP tn	0.134	45.30	5.00	4.45	56	1.20	0.42	9.990	52	56	Passed
10 - ΔP tn	0.134	50.45	5.15	4.45	59	1.30	0.42	9.990	52	57	Passed
11 - ΔP tn	0.134	56.15	5.30	5.00	60	1.40	0.42	9.990	52	56	Passed
12 - ΔP tn	0.134	60.45	4.30	4.15	61	0.97	0.42	9.990	52	56	Passed
12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	

Run Acceptance Results.			Test Run Completed
D_{50}	9.9900	Passed	Acceptable Run
Sampling Points outside of Pmin & Pmax	0.00	Passed	Acceptable Run
% Isokinetic	105.9	Passed	Acceptable Run

The results are acceptabel if two conditions are met:

A. D50 is between 9.0 μm & 11.0 μm.

⇒ **If D50 is less than 9.0 reject the results and repeat the test.**

B. One of the following conditions must also be met:That no sampling points are outside Pmin and Pmax or

1. No sampling points are outside the Pmin and Pmax or
2. Isokinetics sampling is betwee 80 percent & 120 percent and no more than one sampling point is outside ΔPmin and ΔPmax.

Kennecott Bingham Mine									Test Date	2/5/2014
Run No. 2 - RM 201A - Pre-test velocity traverse:										
	Port 1		Port 2		Port 3		Port 4			
Point No.	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'		
1										
2										
3										

Imp. Liquid Collected in grams		
Wt. (Final)	Wt. (Tare)	lc
499.1	498.6	0.5
646.6	646.0	0.6
758.0	758.3	-0.3
827.1	819.2	7.9
		0.0

ΔP1	Avg. Sqrt ΔP	No. Sample Points	t_1 in min.
0.98	1.0739914	12	4.64

	Ts avg -50°F	Avg. Ts oF	Ts avg +50°F
Ts °F	11.80	61.80	111.80
ΔH	0.56	0.51	0.46

Δ = delta, i.e., delta P would be ΔP

Stack I.D. (inches)	As ft^2	Pbar	Pq (static)	Ps	CO2 %	O2 %	N2+C	Md lb/lb mole	Mw lb/lb mole	Stack Saturation
18.50	1.87	25.02	0.69	25.07	0.00	20.90	79.10	28.84	28.64	0.0223

Y	ΔH@	Cp 201A	Cp 2	Dn	An	Vm cf	Vm std	Vlc	Vw std	Bws	S Bws
1.0000	1.68		0.84	0.134	9.79E-05	25.440	21.830	8.70	0.410	0.0180	0.0223

Avg. Sqrt Δp	Vs ft/sec	Avg. Δh	Avg. Tm F	scfm wet	acfm	Qsd dscfh	Qs (final) ft^3/min	μs Viscosity
1.1031	67.53	0.440	55.00	6,413	7,564	3.78E+05	0.4587167	177.65

Run Time (act)	Target Time
60.50	60

Sample Point No.	Dn used	Sampling End Time (Min.Sec.)	Actual Dwell Time (Min.Sec.)	Desired Dwell Time (Min.Sec.)	Stack Temp. Ts F	Velocity Head ΔP	Δh	D50	Dry Gas Meter Temp. tm F (in)	tm F (out)	Status Pmin & Pmax
1 - ΔP t1	0.134	4.30	4.30	4.45	60	0.98	0.44	9.990	53	55	Passed
2 - ΔP tn	0.134	9.15	4.45	4.30	58	1.10	0.44	9.990	52	55	Passed
3 - ΔP tn	0.134	14.45	5.30	5.00	60	1.40	0.44	9.990	52	56	Passed
4 - ΔP tn	0.134	20.15	5.30	5.00	61	1.40	0.44	9.990	53	57	Passed
5 - ΔP tn	0.134	25.45	5.30	5.15	63	1.50	0.44	9.990	53	57	Passed
6 - ΔP tn	0.134	31.00	5.15	4.45	63	1.30	0.44	9.990	53	57	Passed
7 - ΔP tn	0.134	35.30	4.30	4.15	60	1.00	0.44	9.990	52	57	Passed
8 - ΔP tn	0.134	40.30	5.00	4.45	62	1.20	0.44	9.990	52	59	Passed
9 - ΔP tn	0.134	45.45	5.15	4.45	63	1.30	0.44	9.990	53	58	Passed
10 - ΔP tn	0.134	51.15	5.30	5.00	64	1.40	0.44	9.990	52	59	Passed
11 - ΔP tn	0.134	56.00	4.45	4.30	64	1.10	0.44	9.990	53	59	Passed
12 - ΔP tn	0.134	60.30	4.30	4.15	64	1.00	0.44	9.990	53	60	Passed
12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	

Run Acceptance Results.			Test Run Completed
			Acceptable Run
D_{50}	9.9900	Passed	Acceptable Run
Sampling Points outside of Pmin & Pmax	0.00	Passed	Acceptable Run
% Isokinetic	109.2	Passed	Acceptable Run

The results are acceptabel if two conditions are met:

A. D50 is between 9.0 μm & 11.0 μm.

⇒ **If D50 is less than 9.0 reject the results and repeat the test.**

B. One of the following conditions must also be met:That no sampling points are outside Pmin and Pmax or

1. No sampling points are outside the Pmin and Pmax or
2. Isokinetics sampling is betwee 80 percent & 120 percent and no more than one sampling point is outside ΔPmin and ΔPmax.

Kennecott Bingham Mine									Test Date	2/5/2014
Run No. 3 - RM 201A - Pre-test velocity traverse:										
	Port 1		Port 2		Port 3		Port 4			
Point No.	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'		
1										
2										
3										

Imp. Liquid Collected in grams		
Wt. (Final)	Wt. (Tare)	lc
483.2	483.2	0.0
652.1	654.1	-2.0
755.2	753.0	2.2
827.4	820.7	6.7
		0.0

ΔP1	Avg. Sqrt ΔP	No. Sample Points	t_1 in min.
1.00	1.1216401	12	4.43

	Ts avg -50°F	Avg. Ts oF	Ts avg +50°F
Ts °F	8.30	58.30	108.30
ΔH	0.56	0.51	0.46

Δ = delta, i.e., delta P would be ΔP

Stack I.D. (inches)	As ft^2	Pbar	Pq (static)	Ps	CO2 %	O2 %	N2+C	Md lb/lb mole	Mw lb/lb mole	Stack Saturation
18.50	1.87	25.02	0.69	25.07	0.00	20.90	79.10	28.84	28.68	0.0197

Y	ΔH@	Cp 201A	Cp 2	Dn	An	Vm cf	Vm std	Vlc	Vw std	Bws	S Bws
1.0000	1.68		0.84	0.134	9.79E-05	25.121	21.566	6.90	0.320	0.0140	0.0197

Avg. Sqrt Δp	Vs ft/sec	Avg. Δh	Avg. Tm F	scfm wet	acfm	Qsd dscfh	Qs (final) ft^3/min	μs Viscosity
1.0895	66.43	0.440	54.75	6,350	7,440	3.76E+05	0.4562278	177.11

Run Time (act)	Target Time
59.75	60

Sample Point No.	Dn used	Sampling End Time (Min.Sec.)	Actual Dwell Time (Min.Sec.)	Desired Dwell Time (Min.Sec.)	Stack Temp. Ts F	Velocity Head ΔP	Δh	D50	Dry Gas Meter Temp. tm F (in)	tm F (out)	Status Pmin & Pmax
1 - ΔP t1	0.134	4.30	4.30	4.45	57	1.00	0.44	9.990	52	55	Passed
2 - ΔP tn	0.134	9.45	5.15	4.45	58	1.30	0.44	9.990	53	56	Passed
3 - ΔP tn	0.134	15.15	5.30	5.15	60	1.50	0.44	9.990	53	57	Passed
4 - ΔP tn	0.134	20.45	5.30	5.00	61	1.40	0.44	9.990	53	58	Passed
5 - ΔP tn	0.134	25.30	4.45	4.30	60	1.10	0.44	9.990	53	57	Passed
6 - ΔP tn	0.134	30.15	4.45	4.30	60	1.10	0.44	9.990	55	57	Passed
7 - ΔP tn	0.134	34.45	4.30	4.00	56	0.93	0.44	9.990	53	56	Passed
8 - ΔP tn	0.134	39.15	4.30	4.15	57	1.00	0.44	9.990	54	57	Passed
9 - ΔP tn	0.134	44.30	5.15	4.45	57	1.30	0.44	9.990	53	56	Passed
10 - ΔP tn	0.134	50.00	5.30	5.00	58	1.40	0.44	9.990	52	56	Passed
11 - ΔP tn	0.134	55.15	5.15	4.45	58	1.30	0.44	9.990	53	57	Passed
12 - ΔP tn	0.134	59.45	4.30	4.15	58	1.00	0.44	9.990	52	56	Passed
12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	

Run Acceptance Results.			Test Run Completed
			Acceptable Run
D_{50}	9.9900	Passed	Acceptable Run
Sampling Points outside of Pmin & Pmax	0.00	Passed	Acceptable Run
% Isokinetic	109.9	Passed	Acceptable Run

The results are acceptabel if two conditions are met:

A. D50 is between 9.0 μm & 11.0 μm.

⇒ **If D50 is less than 9.0 reject the results and repeat the test.**

B. One of the following conditions must also be met:That no sampling points are outside Pmin and Pmax or

1. No sampling points are outside the Pmin and Pmax or
2. Isokinetics sampling is betwee 80 percent & 120 percent and no more than one sampling point is outside ΔPmin and ΔPmax.

Division of Air Quality
Compliance Demonstration

Referance Method 201 & 201A for PM10

Source Information

Company Name	**Kennecott Bingham Mine**
Company Contact:	**Cassady Kristensen**
Contact Phone No.	**801-204-2129**
Stack Designation:	**C7/C8 Transfer Point Baghouse**

Test & Review Dates

Test Date:	2/6/2014
Review Date:	11/27/2013
Observer:	Rob Leishman
Reviewer:	**Rob Leishman**

Particulate Emission Limits

lbs/MMBTU	lbs/hr	gr/dscf		
0.000	0.310	0.007		

Front Half Emission Rates

lbs/MMBTU	lbs/hr	gr/dscf		
	0.016666667	0.000450448		

Total (Front & Back Half) Emission Rates

lbs/MMBTU	lbs/hr	gr/dscf		
	0.13182162	0.002487513		

Test Information

Stack I.D. inches	As ft^2	Y	Dl H @	Cp	Pbar	Pq (static)	Dn	Target Time
18.50	1.87	1.0000	1.68	0.84	24.96	-0.47	0.134	60

Circular

Contractor Information

Contracting Company:	Air Pollution Testing (APT)
Contact:	Andrew Burning - Alex Mongold
Phone No.:	801-974-0481
Project No.:	

F factors for Coal, Oil, and Gas

	Fd scf/MMBtu	Fw scf/MMBtu	Fc scf/MMBtu
COAL			
Anthrocite 2	10100	10540	1970
Bituminous 2	9780	10640	1800
Lignite	9860	11950	1910
OIL	9190	320	1420
GAS			
Natural	8710	10610	1040
Propane	8710	10200	1190
Butane	8710	10390	1250

F factor used

lbs/MMBtu

O2

CO2

Division of Air Quality
Reference Methods 5 - TSP
Compliance Demonstration of

Kennecott Bingham Mine - C7/C8 Transfer Point Baghouse

Testing Results				
Test Date	2/6/2014	2/6/2014	2/6/2014	2/6/2014
	Run 1	Run 2	Run 3	Run 4
As ft^2	1.87	1.87	1.87	1.87
Pbar	24.96	24.96	24.96	24.96
Pq (static)	-0.47	-0.47	-0.47	-0.47
Ps	24.92	24.92	24.92	24.92
Avg. Ts F	60.60	61.40	61.70	
CO2 - F_{CO2}	0.00	0.00	0.00	0.00
O2	20.90	20.90	20.90	0.00
N2+C	79.10	79.10	79.10	100.00
Md	28.84	28.84	28.84	28.00
Mw	28.69	28.61	28.63	
Y	1.0000	1.0000	1.0000	1.0000
Cp	0.84	0.84	0.84	0.84
Vm cf	25.876	25.290	25.329	0.000
Vlc	6.600	9.300	9.100	0.000
$A_{VG.}$ Tm F	57.95	58.83	56.12	
Vm cf	25.876	25.29	25.329	0
Vm std	22.025	21.490	21.636	#VALUE!
Vw std	0.310	0.440	0.430	
Bws	1.30%	2.00%	1.90%	#VALUE!
S Bws	2.15%	2.21%	2.24%	#VALUE!
Avg. Sqrt Dlp	1.09	1.08	1.09	0.97
Vs	66.580	66.275	66.838	
scfm wet	6299.20	6260.65	6310.23	#VALUE!
acfm	7457.07	7422.83	7485.91	
Qsd dscfm	373039	368126	371420	
Qs ft^3/min	0.459188	0.458946	0.459292	#VALUE!
% Isokinetic	113.96	113.64	111.96	
Viscostiy	177.73	177.41	177.55	

	Lab Data - grams collected		
Lab Data	Cyclone Catch	Filter	Back
Run 1	**0.0000**	**0.000500**	**0.00290**
Run 2	**0.0000**	**0.000500**	**0.00280**
Run 3	**0.0001**	**0.000850**	**0.0029**
Run 4			

Kennecott Bingham Mine C7/C8 Transfer Point Baghouse

Front Half Emissions Summary					
	Run 1	Run 2	Run 3	Run 4	Avg.
gr./dscf	0.00035	0.00036	0.00064		0.00045
lbs/hr	0.01	0.01	0.03		0.017
lbs/MMbtu					
Particulate Emission Limits			***Front Half Emission Rates***		
lbs/MMBTU	**lbs/hr**	**gr/dscf**	**lbs/MMBTU**	**lbs/hr**	**gr/dscf**
	0.310	**0.007**		**0.016666667**	**0.000450448**

Kennecott Bingham Mine C7/C8 Transfer Point Baghouse

Total Emissions Summary w/back half condensable					
	Run 1	Run 2	Run 3	Run 4	Avg.
gr./dscf	0.00238	0.0024	0.0027		0.0025
lbs/hr	0.1270	0.1246	0.1438		0.1318
lbs/MMbtu					
Particulate Emission Limits			***Total Emission Rates***		
lbs/MMBTU	**lbs/hr**	**gr/dscf**	**lbs/MMBTU**	**lbs/hr**	**gr/dscf**
	0.310	**0.007**		**0.13182162**	**0.002487513**

Test Quality Parameters				
	Run 1	Run 2	Run 3	Run 4
D50	9.99	9.99	9.99	
Outlying Dlp's	0.00	1.00	0.00	
% Isokinetic	113.96	113.63	111.96	

	D50	Outlying Dlp's	% Isokinetic	Status
Run 1	Passed	Passed	Passed	Acceptable Run
Run 2	Passed	Passed	Passed	Acceptable Run
Run 3	Passed	Passed	Passed	Acceptable Run
Run 4				

Run 1

Kennecott Bingham Mine									Test Date	2/6/2014
Run No. 1 - RM 201A - Pre-test velocity traverse:										
	Port 1		Port 2		Port 3		Port 4			
Point No.	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'		
1										
2										
3										

Imp. Liquid Collected in grams		
Wt. (Final)	Wt. (Tare)	lc
499.9	500.1	-0.2
649.0	649.0	0.0
759.1	758.0	1.1
832.0	826.3	5.7
		0.0

ΔP1	Avg. Sqrt ΔP	No. Sample Points	t_1 in min.
0.94	1.052840082	12	4.54

	Ts avg -50°F	Avg. Ts oF	Ts avg +50°F
Ts °F	10.60	60.60	110.60
ΔH	0.56	0.51	0.46

Δ = delta, i.e., delta P would be ΔP

Stack I.D. (inches)	As ft^2	Pbar	Pq (static)	Ps	CO2 %	O2 %	N2+C	Md lb/lb mole	Mw lb/lb mole	Stack Saturation
18.50	1.87	24.96	-0.47	24.92	0.00	20.90	79.10	28.84	28.69	0.0215

Y	ΔH@	Cp 201A	Cp 2	Dn	An	Vm cf	Vm std	Vlc	Vw std	Bws	S Bws
1.0000	1.68	0.84	0.84	0.134	9.79E-05	25.876	22.025	6.60	0.310	0.0130	0.0215

Avg. Sqrt Δp	Vs ft/sec	Avg. Δh	Avg. Tm F	scfm wet	acfm	Qsd dscfh	Qs (final) ft^3/min	μs Viscosity
1.0865	66.58	0.450	57.95	6,299	7,457	3.73E+05	0.459187862	177.73

Run Time (act)	Target Time
59.25	60

Sample Point No.	Dn used	Sampling End Time (Min.Sec.)	Actual Dwell Time (Min.Sec.)	Desired Dwell Time (Min.Sec.)	Stack Temp. Ts F	Velocity Head ΔP	Δh	D50	Dry Gas Meter Temp. tm F (in)	tm F (out)	Status Pmin & Pmax
1 - ΔP t1	0.134	4.30	4.30	4.30	50	0.94	0.45	9.990	55	55	Passed
2 - ΔP tn	0.134	9.15	4.45	4.45	63	1.10	0.45	9.990	57	56	Passed
3 - ΔP tn	0.134	14.30	5.15	5.00	63	1.30	0.45	9.990	57	58	Passed
4 - ΔP tn	0.134	19.45	5.15	5.15	63	1.40	0.45	9.990	56	57	Passed
5 - ΔP tn	0.134	24.45	5.00	4.45	63	1.20	0.45	9.990	57	59	Passed
6 - ΔP tn	0.134	29.15	4.30	4.30	63	1.00	0.45	9.990	57	60	Passed
7 - ΔP tn	0.134	33.45	4.30	4.15	56	0.93	0.45	9.990	58	60	Passed
8 - ΔP tn	0.134	38.15	4.30	4.30	59	0.98	0.45	9.990	57	60	Passed
9 - ΔP tn	0.134	43.30	5.15	5.00	61	1.30	0.45	9.990	57	60	Passed
10 - ΔP tn	0.134	48.45	5.15	5.15	62	1.40	0.45	9.990	57	60	Passed
11 - ΔP tn	0.134	54.00	5.15	5.15	62	1.40	0.45	9.990	58	61	Passed
12 - ΔP tn	0.134	59.15	5.15	5.00	63	1.30	0.45	9.990	58	61	Passed
12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	

Run Acceptance Results.			Test Run Completed
			Acceptable Run
D_{50}	9.9900	Passed	Acceptable Run
Sampling Points outside of Pmin & Pmax	0.00	Passed	Acceptable Run
% Isokinetic	114.0	Passed	Acceptable Run

The results are acceptabel if two conditions are met:

A. D50 is between 9.0 μm & 11.0 μm.

⇒ If D50 is less than 9.0 reject the results and repeat the test.

B. One of the following conditions must also be met:That no sampling points are outside Pmin and Pmax or

1. No sampling points are outside the Pmin and Pmax or
2. Isokinetics sampling is betwee 80 percent & 120 percent and no more than one sampling point is outside ΔPmin and ΔPmax.

Kennecott Bingham Mine									Test Date	2/6/2014
Run No. 2 - RM 201A - Pre-test velocity traverse:										
	Port 1		Port 2		Port 3		Port 4			
Point No.	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'		
1										
2										
3										

Imp. Liquid Collected in grams		
Wt. (Final)	Wt. (Tare)	lc
484.2	483.8	0.4
654.4	654.5	-0.1
756.9	755.3	1.6
834.6	827.2	7.4
		0.0

ΔP1	Avg. Sqrt ΔP	No. Sample Points	t_1 in min.
0.96	1.0562601	12	4.54

	Ts avg -50°F	Avg. Ts oF	Ts avg +50°F
Ts °F	11.40	61.40	111.40
ΔH	0.56	0.50	0.46

Δ = delta, i.e., delta P would be ΔP

Stack I.D. (inches)	As ft^2	Pbar	Pq (static)	Ps	CO2 %	O2 %	N2+C	Md lb/lb mole	Mw lb/lb mole	Stack Saturation
18.50	1.87	24.96	-0.47	24.92	0.00	20.90	79.10	28.84	28.61	0.0221

Y	ΔH@	Cp 201A	Cp 2	Dn	An	Vm cf	Vm std	Vlc	Vw std	Bws	S Bws
1.0000	1.68		0.84	0.134	9.79E-05	25.290	21.490	9.30	0.440	0.0200	0.0221

Avg. Sqrt Δp	Vs ft/sec	Avg. Δh	Avg. Tm F	scfm wet	acfm	Qsd dscfh	Qs (final) ft^3/min	μs Viscosity
1.0792	66.27	0.450	58.83	6,261	7,423	3.68E+05	0.4589465	177.41

Run Time (act)	Target Time
58.75	60

Sample Point No.	Dn used	Sampling End Time (Min.Sec.)	Actual Dwell Time (Min.Sec.)	Desired Dwell Time (Min.Sec.)	Stack Temp. Ts F	Velocity Head ΔP	Δh	D50	Dry Gas Meter Temp. tm F (in)	tm F (out)	Status Pmin & Pmax
1 - ΔP t1	0.134	4.30	4.30	4.30	56	0.96	0.45	9.990	58	59	Passed
2 - ΔP tn	0.134	9.15	4.45	4.45	58	1.10	0.45	9.990	58	59	Passed
3 - ΔP tn	0.134	14.30	5.15	5.00	61	1.30	0.45	9.990	59	60	Passed
4 - ΔP tn	0.134	19.45	5.15	5.15	62	1.40	0.45	9.990	58	61	Passed
5 - ΔP tn	0.134	25.00	5.15	5.00	63	1.30	0.45	9.990	58	61	Passed
6 - ΔP tn	0.134	29.30	4.30	4.30	64	1.00	0.45	9.990	58	60	Passed
7 - ΔP tn	0.134	33.45	4.15	4.15	56	**0.91**	0.45	9.990	58	60	Out
8 - ΔP tn	0.134	38.15	4.30	4.30	60	0.98	0.45	9.990	57	60	Passed
9 - ΔP tn	0.134	43.15	5.00	4.45	64	1.20	0.45	9.990	57	60	Passed
10 - ΔP tn	0.134	48.30	5.15	5.15	64	1.40	0.45	9.990	56	60	Passed
11 - ΔP tn	0.134	53.45	5.15	5.00	64	1.30	0.45	9.990	57	60	Passed
12 - ΔP tn	0.134	58.45	5.00	4.45	65	1.20	0.45	9.990	57	61	Passed
12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	

Run Acceptance Results.			Test Run Completed
			Acceptable Run
D_{50}	9.9900	Passed	Acceptable Run
Sampling Points outside of Pmin & Pmax	1.00	Passed	Acceptable Run
% Isokinetic	113.6	Passed	Acceptable Run

The results are acceptabel if two conditions are met:

A. D50 is between 9.0 μm & 11.0 μm.

⇒ **If D50 is less than 9.0 reject the results and repeat the test.**

B. One of the following conditions must also be met:That no sampling points are outside Pmin and Pmax or

1. No sampling points are outside the Pmin and Pmax or
2. Isokinetics sampling is betwee 80 percent & 120 percent and no more than one sampling point is outside ΔPmin and ΔPmax.

Kennecott Bingham Mine									Test Date	2/6/2014
Run No. 3 - RM 201A - Pre-test velocity traverse:										
	Port 1		Port 2		Port 3		Port 4			
Point No.	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'	ΔP'	sqrt ΔP'		
1										
2										
3										

Imp. Liquid Collected in grams		
Wt. (Final)	Wt. (Tare)	lc
500.3	499.8	0.5
649.8	649.0	0.8
759.8	759.0	0.8
839.1	832.1	7.0
		0.0

ΔP1	Avg. Sqrt ΔP	No. Sample Points	t_1 in min.
0.95	1.038285	12	4.65

	Ts avg -50°F	Avg. Ts oF	Ts avg +50°F
Ts °F	11.70	61.70	111.70
ΔH	0.56	0.50	0.46

Δ = delta, i.e., delta P would be ΔP

Stack I.D. (inches)	As ft^2	Pbar	Pq (static)	Ps	CO2 %	O2 %	N2+C	Md lb/lb mole	Mw lb/lb mole	Stack Saturation
18.50	1.87	24.96	-0.47	24.92	0.00	20.90	79.10	28.84	28.63	0.0224

Y	ΔH@	Cp 201A	Cp 2	Dn	An	Vm cf	Vm std	Vlc	Vw std	Bws	S Bws
1.0000	1.68		0.84	0.134	9.79E-05	25.329	21.636	9.10	0.430	0.0190	0.0224

Avg. Sqrt Δp	Vs ft/sec	Avg. Δh	Avg. Tm F	scfm wet	acfm	Qsd dscfh	Qs (final) ft^3/min	μs Viscosity
1.0884	66.84	0.450	56.12	6,310	7,486	3.71E+05	0.4592919	177.55

Run Time (act)	Target Time
59.50	60

Sample Point No.	Dn used	Sampling End Time (Min.Sec.)	Actual Dwell Time (Min.Sec.)	Desired Dwell Time (Min.Sec.)	Stack Temp. Ts F	Velocity Head ΔP	Δh	D50	Dry Gas Meter Temp. tm F (in)	tm F (out)	Status Pmin & Pmax
1 - ΔP t1	0.134	4.30	4.30	4.30	57	0.95	0.45	9.990	57	58	Passed
2 - ΔP tn	0.134	9.00	4.30	4.30	61	1.00	0.45	9.990	57	58	Passed
3 - ΔP tn	0.134	14.15	5.15	5.00	63	1.30	0.45	9.990	55	59	Passed
4 - ΔP tn	0.134	19.30	5.15	5.00	62	1.30	0.45	9.990	56	59	Passed
5 - ΔP tn	0.134	25.00	5.30	5.30	63	1.50	0.45	9.990	54	56	Passed
6 - ΔP tn	0.134	30.00	5.00	4.45	64	1.20	0.45	9.990	55	57	Passed
7 - ΔP tn	0.134	34.30	4.30	4.15	59	0.94	0.45	9.990	55	57	Passed
8 - ΔP tn	0.134	39.15	4.45	4.45	59	1.10	0.45	9.990	54	57	Passed
9 - ΔP tn	0.134	44.30	5.15	5.00	63	1.30	0.45	9.990	55	57	Passed
10 - ΔP tn	0.134	49.45	5.15	5.15	64	1.40	0.45	9.990	54	57	Passed
11 - ΔP tn	0.134	54.45	5.00	4.45	63	1.20	0.45	9.990	53	57	Passed
12 - ΔP tn	0.134	59.30	4.45	4.45	63	1.10	0.45	9.990	53	57	Passed
12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	

Run Acceptance Results.			Test Run Completed
			Acceptable Run
D_{50}	9.9900	Passed	Acceptable Run
Sampling Points outside of Pmin & Pmax	0.00	Passed	Acceptable Run
% Isokinetic	112.0	Passed	Acceptable Run

The results are acceptabel if two conditions are met:

A. D50 is between 9.0 μm & 11.0 μm.

⇒ If D50 is less than 9.0 reject the results and repeat the test.

B. One of the following conditions must also be met:That no sampling points are outside Pmin and Pmax or

1. No sampling points are outside the Pmin and Pmax or
2. Isokinetics sampling is betwee 80 percent & 120 percent and no more than one sampling point is outside ΔPmin and ΔPmax.

Rio Tinto

Kennecott Utah Copper LLC
P.O. Box 6001
Magna, Utah 84044-6001
(801) 204-2000
(801) 204-2888 (fax)

REVIEWED
Initials APS Date: 8/2/10
Compliance Status: OK
File# 10571-B2

UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY
JUL 27 2010
DIVISION OF AIR QUALITY

July 26, 2010

Ms. Cheryl Heying, Executive Secretary
Department of Environmental Quality
State of Utah, Division of Air Quality
P.O. Box 144820
Salt Lake City, Utah 84114-4820

Attention: Robert Sirrine

Subject: **Copperton Concentrator Molybdenum Recovery Plant Wet Scrubber – Semi-annual Report (01/01/2010-06/30/2010) – AO DAQE-AN0571019-06**

Dear Ms. Heying:

In accordance with Condition 16 of Approval Order DAQE-AN0571019-06, dated March 21, 2006 and in compliance with Subpart LL, 40 CFR 60.385(c), Standards of Performance for New Stationary Sources, Kennecott Utah Copper (KUC) is required to report on a semi-annual basis, all weekly measurements of scrubber pressure loss or gain and liquid flow rates differing by more than thirty percent (30%) from the average obtained during the most recent performance tests. The most recent performance tests for DC-04 and DC-190 were conducted in June and November 2002, respectively.

A review of the records for the months of January through June 2010 was completed in July 2010. Records for the following wet scrubbers (permitted emission sources) at the Copperton Molybdenum Plant were reviewed:

MP106 Product Molybdenum Dryer Venturi Scrubber (DC-04)
MP107 Product Molybdenum Dryer Venturi Scrubber (DC-190)

It should be noted that the flow rate and pressure readings are taken twice daily in approximately 12-hour intervals. This observation frequency far exceeds the minimum requirement outlined in Subpart LL, 40 CFR 60.385(b), which states that the scrubber flow and rate be recorded "at least weekly" after the initial performance test is completed on that scrubber. All of the monitored pressure and flow rate readings for the operating scrubbers were within acceptable ranges; therefore no report is required. To assist in record-keeping, this letter is provided for your files.

Please contact Senior Environmental Engineer, Zeb Kenyon, at 801-569-6035 if you have any questions or concerns regarding this report.

Sincerely,

Bryan Pett

Bryan Pett
General Manager,
Copperton Concentrator

DAQ-2010-004799
Document Date: 07/26/2010

4.5 Fugitive Emissions and Fugitive Dust.

The provisions of this subsection 4.5 shall not apply to any sources for which limitations for fugitive dust or fugitive emissions are assigned pursuant to subsection 3.1 or subsection 3.2 of R307-1-3 nor shall they apply to agricultural or horticultural activities.

4.5.1 Fugitive Emissions

A. In actual areas of non-attainment for particulates, fugitive emissions from any source shall not exceed 20% opacity.

B. Fugitive emissions from sources in other areas of the State which were constructed before April 25, 1971 shall not exceed 40% opacity. Fugitive emissions from sources constructed after April 25, 1971 shall not exceed 20% opacity.

4.5.2 Fugitive Dust - The following control and/or operating procedures are applicable to minimize fugitive dust:

A. Storage and Handling of Aggregate Materials.

(1) Any person owning, operating or maintaining a new or existing material storage, handling and/or hauling operation shall minimize fugitive dust from such an operation. Such control may include the use of enclosures, covers, stabilization and/or other equivalent methods or techniques as approved by the Executive Secretary.

(2) Any person owning and/or operating an existing material storage, handling and/or hauling operation in an actual area of non-attainment for particulate shall submit plans for control of fugitive dust from such operations to the Executive Secretary for approval no later than 180 days after the effective date of this regulation.

B. Construction/Demolition Activities.

(1) Any person engaging in clearing or leveling of land over 1/4 acre in size, earthmoving, excavation, or movement of trucks or construction equipment over cleared land over 1/4 acre in size or access haul roads shall take steps to minimize fugitive dust from such activities. Such control may include but is not limited to watering and/or chemical stabilization of potential fugitive dust sources or other equivalent methods or techniques approved by the Executive Secretary.

(2) The owner or operator of land areas over 1/4 acre in size that have been cleared or excavated shall take measures to prevent fugitive particulate matter from becoming airborne. Such measures may include, but are not limited to:

(a) planting vegetative cover,

(b) providing synthetic cover,

(c) watering and/or chemical stabilization,

(d) wind breaks, and/or

(e) other equivalent methods or techniques approved by the Executive Secretary.

(3) Any person engaging in demolition activities including razing of homes, buildings, or other structures; or removing of paving material from roads and/or parking areas shall take steps to minimize fugitive dust from such activities. Such control may include watering and/or chemical stabilization or other equivalent methods or techniques approved by the Executive Secretary.

4.5.3 Road Ways

A. Any person responsible for construction or maintenance of any existing road or having right-of-way easement or possessing the right to use the same in an actual area of non-attainment for particulate whose activities result in fugitive dust from such road shall be required to minimize fugitive dust.

(1) When such roads have an average daily traffic volume of less than 150 vehicle trips per day, averaged over a consecutive 5 day period, fugitive dust shall be minimized by appropriate control techniques. Such control may include but not be limited to watering, chemical stabilization and/or other equivalent methods or techniques approved by the Executive Secretary.

(2) When such roads have an average daily traffic volume of 150 vehicle trips per day or greater, averaged over a consecutive 5 day period, control techniques must be used which are equal to or better than 2" bituminous surface.

B. Any person planning to construct or operate a new unpaved road which is anticipated to have an average daily traffic volume of 150 vehicle trips per day or greater, averaged over a consecutive 5 day period, shall submit a notice of intent to construct/operate such a road to the Executive Secretary pursuant to subsection 3.1 of R307-1-3. Such notice shall include proposed action to minimize fugitive dust emissions from the road.

C. The Executive Secretary may require persons owning, operating or maintaining any new or existing road, or having right-of-way easement or possessory right to use the same to supply traffic count information as determined necessary to ascertain whether or not control tecnniques are adequate or additional controls are necessary.

D. Any person who through his/her operations deposits materials which may create fugitive dust on a public or private road is required to clean the road such that fugitive dust as a result of his/her operations is minimized.

4.5.4 Mining Activities

A. Fugitive dust, construction activities, and roadways associated with mining activities are regulated under the provisions of this paragraph 4.5.4 and not by paragraphs 4.5.2 and 4.5.3.

B. Any person who owns or operates a mining operation shall minimize fugitive dust as an integral part of site preparation, mining activities, and reclamation operations.

C. The fugitive dust control measures to be used may include, but are not limited to:

(1) periodic watering of unpaved roads,

(2) chemical stabilization of unpaved roads,

(3) paving of roads,

(4) prompt removal of coal, rock minerals, soil, and other dust-forming debris from roads and frequent scraping and compaction of unpaved roads to stabilize the road surface,

(5) restricting the speed of vehicles in and around the mining operation,

(6) revegetating, mulching, or otherwise stabilizing the surface of all areas adjoining roads that are a source of fugitive dust,

(7) restricting the travel of vehicles on other than established roads,

(8) enclosing, covering, watering, or otherwise treating loaded haul trucks and/or railroad cars, to minimize loss of material to wind and spillage,

(9) substitution of conveyor systems for haul trucks and covering of conveyor systems when conveyed loads are subject to wind erosion,

(10) minimizing the area of disturbed land,

(11) prompt revegetation of regraded lands,

(12) planting of special windbreak vegetation at critical points in the permit area,

(13) control of dust from drilling, using water sprays,

hoods, dust collectors or other controls approved by the Executive Secretary.

(14) restricting the areas to be blasted at any one time,

(15) reducing the period of time between initially disturbing the soil and revegetating or other surface stabilization,

(16) restricting fugitive dust at spoil and coal transfer and loading points,

(17) control of dust from storage piles through use of enclosures, covers, or stabilization and/or other equivalent methods or techniques as approved by the Executive Secretary, and/or

(18) other techniques as determined necessary by the Executive Secretary.

D. Any person owning and/or operating an existing mining operation in an actual area of non-attainment for particulate or an existing mining operation outside an actual area of non-attainment from which fugitive dust impacts an actual area of non-attainment for particulate shall submit plans for control of fugitive dust from such operations to the Executive Secretary for approval no later than 180 days after the effective date of this regulation.

4.5.5 Tailings Piles and Ponds

A. Fugitive dust, construction activities, and roadways associated with tailings piles and ponds are regulated under the provisions of this paragraph 4.5.5 and not by paragraphs 4.5.2 and 4.5.3.

B. Any person owning and/or operating an existing tailings operation where fugitive dust results from grading, excavating, depositing, or natural erosion or other causes in association with such operation shall take steps to minimize fugitive dust from such activities. Such controls may include but are not limited to:

(1) watering and/or chemical stabilization,

(2) synthetic and/or vegetative covers,

(3) wind breaks,

(4) minimizing the area of disturbed tailings,

(5) restricting the speed of vehicles in and around the tailings operation, and/or

(6) other equivalent methods or techniques which may be approvable by the Executive Secretary.

C. Any person owning and/or operating an existing tailings operation in a non-attainment area for particulate or an existing mining operation outside an actual area of non-attainment from which fugitive dust impact an actual area of non-attainment for particulate shall submit plans for control of fugitive dust from such operations to the Executive Secretary for approval no later than 180 days after the effective date of this regulation.

Company: Kennecott Utah Copper LLC- Mi
Site ID: 10571
Project: PM10 SIP
Date: 3/17/2015

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

ne & Copperton Concentrator

Site Name	Comp ID	Process ID	Process Code
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	65	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	66	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	871	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1123	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1124	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1125	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2017	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2018	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2019	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2020	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2021	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2026	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2027	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2028	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2034	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2035	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2036	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2037	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	3558	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4971	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4972	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4973	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4974	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4975	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4978	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5383	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5384	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	6957	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15240	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15241	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21077	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21078	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176981	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176982	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176983	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176988	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176989	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176990	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176991	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176992	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176993	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176994	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176996	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176997	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176998	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176999	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177000	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177001	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177002	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177537	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177538	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177539	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177540	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177541	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177542	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177578	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177709	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177710	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177711	1	a

Site Name	Comp ID	Process ID	Process Code
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	65	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	66	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	871	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1123	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1124	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1125	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2017	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2018	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2019	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2020	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2021	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2026	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2027	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2028	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2034	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2035	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2036	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2037	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	3558	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4971	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4972	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4973	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4974	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4975	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4978	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5383	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5384	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	6957	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15240	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15241	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21077	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21078	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176981	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176982	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176983	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176988	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176989	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176990	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176991	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176992	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176993	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176994	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176996	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176997	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176998	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176999	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177000	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177001	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177002	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177537	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177538	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177539	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177540	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177541	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177542	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177578	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177709	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177710	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177711	1	a

Site Name	Comp ID	Process ID	Process Code
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	65	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	66	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	871	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1123	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1124	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1125	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2017	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2018	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2019	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2020	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2021	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2026	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2027	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2028	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2034	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2035	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2036	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2037	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	3558	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4971	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4972	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4973	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4974	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4975	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4978	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5383	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5384	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	6957	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15240	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15241	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21077	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21078	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176981	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176982	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176983	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176988	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176989	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176990	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176991	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176992	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176993	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176994	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176996	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176997	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176998	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176999	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177000	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177001	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177002	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177537	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177538	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177539	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177540	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177541	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177542	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177578	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177709	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177710	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177711	1	a

Site Name	Comp ID	Process ID	Process Code
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	65	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	66	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	871	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1123	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1124	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1125	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2017	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2018	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2019	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2020	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2021	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2026	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2027	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2028	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2034	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2035	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2036	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2037	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	3558	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4971	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4972	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4973	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4974	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4975	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4978	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5383	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5384	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	6957	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15240	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15241	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21077	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21078	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176981	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176982	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176983	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176988	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176989	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176990	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176991	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176992	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176993	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176994	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176996	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176997	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176998	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176999	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177000	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177001	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177002	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177537	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177538	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177539	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177540	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177541	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177542	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177578	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177709	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177710	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177711	1	a

Site Name	Comp ID	Process ID	Process Code
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	65	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	66	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	871	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1123	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1124	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1125	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2017	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2018	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2019	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2020	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2021	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2026	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2027	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2028	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2034	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2035	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2036	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2037	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	3558	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4971	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4972	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4973	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4974	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4975	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4978	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5383	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5384	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	6957	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15240	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15241	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21077	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21078	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176981	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176982	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176983	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176988	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176989	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176990	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176991	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176992	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176993	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176994	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176996	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176997	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176998	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176999	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177000	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177001	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177002	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177537	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177538	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177539	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177540	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177541	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177542	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177578	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177709	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177710	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177711	1	a

Site Name	Comp ID	Process ID	Process Code
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	65	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	66	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	871	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1123	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1124	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1125	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2017	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2018	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2019	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2020	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2021	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2026	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2027	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2028	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2034	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2035	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2036	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2037	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	3558	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4971	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4972	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4973	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4974	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4975	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4978	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5383	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5384	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	6957	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15240	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15241	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21077	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21078	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176981	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176982	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176983	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176988	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176989	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176990	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176991	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176992	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176993	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176994	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176996	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176997	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176998	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176999	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177000	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177001	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177002	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177537	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177538	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177539	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177540	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177541	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177542	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177578	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177709	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177710	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177711	1	a

Component Description	Material or Fuel	Component SCC	ID	Height
Cold Solvent Degreasing Parts	Degreaser	40100398	926705	10
(3)Cold Solv. Degreas. Washers	Degreaser	40100398	926706	10
Storage Pile	Copper Ore	30302404	927477	10
Front End Loaders	Copper Ore	30532006	927590	10
Truck Loading	Copper Ore	30532006	927591	10
End Dump Trucks	Copper Ore	30532006	927592	10
Diesel Engines	Distillate Oil (No. 2)	2270002000	927593	10
Graders	Diesel	30501047	927729	10
Bulldozers (Track Type)	Copper Ore	30532006	927730	10
Wheeled Dozers	Copper Ore	30532006	927731	10
In-Pit Crusher	Copper Ore	30302401	1286	39
C6/C7 Conveyor Transfer Point	Copper Ore	30302402	1287	38
C6/C8 Conveyor Transfer Point	Copper Ore	30302404	1288	37
Lime Bin	Lime	30510205	1289	30
Lime Bin	Lime	30510205	1290	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1297	115
Mo Storage Bins	Molybdenum (Mo)	30399999	1298	30
Mo Load (drums)	Molybdenum Disulfide	30399999	1299	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1304	100
Prod Dryer Heater	Natural Gas	30399999	1305	100
Molly Vacuum	Molybdenum Disulfide	30399999	1306	100
Mo Load (bags)	Molybdenum Disulfide	30399999	1308	30
Prd Dryer Heater	Natural Gas	30399999	1301	115
Truck Dump Ore @ In-pit Crusher	Copper Ore	30532001	930800	10
In-Pit Enclosed Transfer Points 1,2 & 3	Copper Ore	30532006	930801	10
Conveyor-Stacker Transfer Point	Copper Ore	30532006	930802	10
Coarse Ore Stacker	Copper Ore	30532006	930803	10
Reclaim Tunnels	Copper Ore	30532006	930804	10
Gasoline Fueling	Gasoline	40600499	930807	10
Gasoline Fueling	Gasoline	40600499	930824	10
Drilling with Water Injection	Copper Ore	30502010	931211	10
Blasting with minimized area	Copper Ore	30502009	931212	10
Gravel	Vehicle Miles Traveled	30300519	932776	10
Disturbed Areas	Copper Ore	30501049	940642	10
SXEW Copper Extraction	Liquid	30400299	940643	10

Sand Tower	Copper Ore	30399999	946196	10
Sample Preparation	Copper Ore	30399999	946197	10
Tertiary Crushing	Aggregate	30532003	965466	10
Screening	Aggregate	30532003	965467	10
Transfer Points	Aggregate	30532006	965468	10
Pebble Crushing in Crusher CR-01	Aggregate	30532003	965469	10
Pebble Crushing in Crusher CR-02	Aggregate	30532003	965470	10
Transfer from CNV CV-04 onto CNV CV-05	Aggregate	30532006	965471	10
Transfer from CNV CV-05 into Crushed Pe	Aggregate	30532006	965472	10
Transfer from SAG No. 1 Belt Feeder FE-0	Aggregate	30532006	965473	10
Transfer from CNV CV-11 to SAG 1 Feed (	Aggregate	30532006	965474	10
Transfer from SAG No. 2 Belt Feeder FE-0	Aggregate	30532006	965475	10
Transfer from CNV CV-10 to SAG 2 Feed (	Aggregate	30532006	965476	10
Transfer from SAG No. 3 Belt Feeder FE-0	Aggregate	30532006	965477	10
Transfer from CNV CV-09 to SAG 3 Feed (	Aggregate	30532006	965478	10
Transfer from SAG No. 4 Belt Feeder FE-0	Aggregate	30532006	965479	10
Transfer from CNV CV-08 to SAG 4 Feed (	Aggregate	30532006	965480	10
Transfer onto CNV CV-02	Aggregate	30532006	965481	10
Transfer from CNV CV-02 onto CNV CV-03	Aggregate	30532006	965482	10
Transfer from CNV CV-03 into the Surge B	Aggregate	30532006	965483	10
Transfer from Belt Feeders FE-02 and FE-	Aggregate	30532006	965484	10
Transfer from bottom of crushers CR-01 ar	Aggregate	30532006	965485	10
Transfer from CNV CV-03 into the Surge B	Aggregate	30532006	965486	10
Transfer from Belt Feeders FE-07 onto CN	Aggregate	30532006	965487	10
Truck Offloading Ore Stockpile	Copper Ore	30532001	965764	10
Truck Dispatch EG @ 6190	Liquified Petroleum Ga	20201001	178819	10
Communications EG at 6190	Liquified Petroleum Ga	20201001	178820	10
EmResp EG at Lark Gate	Liquified Petroleum Ga	20201001	178821	10
Galena Gulch	Liquified Petroleum Ga	20201001	178822	10
Dinkyville Hill	Liquified Petroleum Ga	20201001	178823	10
Diesel Fueling	Gasoline	40600499	965776	10
Hydraulic Roll Press	Copper Ore	30300599	178912	100
Portable Air Compressor	Liquified Petroleum Ga	20201001	178913	10
Transfer Point 2011	Copper Ore	30302404	178914	37

Component Description	Material or Fuel	Component SCC	ID	Height
Cold Solvent Degreasing Parts	Degreaser	40100398	926705	10
(3)Cold Solv. Degreas. Washers	Degreaser	40100398	926706	10

Storage Pile	Copper Ore	30302404	927477	10
Front End Loaders	Copper Ore	30532006	927590	10
Truck Loading	Copper Ore	30532006	927591	10
End Dump Trucks	Copper Ore	30532006	927592	10
Diesel Engines	Distillate Oil (No. 2)	2270002000	927593	10
Graders	Diesel	30501047	927729	10
Bulldozers (Track Type)	Copper Ore	30532006	927730	10
Wheeled Dozers	Copper Ore	30532006	927731	10
In-Pit Crusher	Copper Ore	30302401	1286	39
C6/C7 Conveyor Transfer Point	Copper Ore	30302402	1287	38
C6/C8 Conveyor Transfer Point	Copper Ore	30302404	1288	37
Lime Bin	Lime	30510205	1289	30
Lime Bin	Lime	30510205	1290	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1297	115
Mo Storage Bins	Molybdenum (Mo)	30399999	1298	30
Mo Load (drums)	Molybdenum Disulfide	30399999	1299	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1304	100
Prod Dryer Heater	Natural Gas	30399999	1305	100
Molly Vacuum	Molybdenum Disulfide	30399999	1306	100
Mo Load (bags)	Molybdenum Disulfide	30399999	1308	30
Prd Dryer Heater	Natural Gas	30399999	1301	115
Truck Dump Ore @ In-pit Crusher	Copper Ore	30532001	930800	10
In-Pit Enclosed Transfer Points 1,2 & 3	Copper Ore	30532006	930801	10
Conveyor-Stacker Transfer Point	Copper Ore	30532006	930802	10
Coarse Ore Stacker	Copper Ore	30532006	930803	10
Reclaim Tunnels	Copper Ore	30532006	930804	10
Gasoline Fueling	Gasoline	40600499	930807	10
Gasoline Fueling	Gasoline	40600499	930824	10
Drilling with Water Injection	Copper Ore	30502010	931211	10
Blasting with minimized area	Copper Ore	30502009	931212	10
Gravel	hicle Miles Traveled (VI	30300519	932776	10
Disturbed Areas	Copper Ore	30501049	940642	10
SXEW Copper Extraction	Liquid	30400299	940643	10
Sand Tower	Copper Ore	30399999	946196	10
Sample Preparation	Copper Ore	30399999	946197	10
Tertiary Crushing	Aggregate	30532003	965466	10
Screening	Aggregate	30532003	965467	10
Transfer Points	Aggregate	30532006	965468	10
Pebble Crushing in Crusher CR-01	Aggregate	30532003	965469	10
Pebble Crushing in Crusher CR-02	Aggregate	30532003	965470	10
Transfer from CNV CV-04 onto CNV CV-05	Aggregate	30532006	965471	10
om CNV CV-05 into Crushed Pebble Surge	Aggregate	30532006	965472	10
G No. 1 Belt Feeder FE-03 onto CNV CV-0	Aggregate	30532006	965473	10
ansfer from CNV CV-11 to SAG 1 Feed Chu	Aggregate	30532006	965474	10
from SAG No. 2 Belt Feeder FE-04 onto CN	Aggregate	30532006	965475	10
ansfer from CNV CV-10 to SAG 2 Feed Chu	Aggregate	30532006	965476	10
from SAG No. 3 Belt Feeder FE-05 onto CN	Aggregate	30532006	965477	10

ansfer from CNV CV-09 to SAG 3 Feed Chu	Aggregate	30532006	965478	10
G No. 4 Belt Feeder FE-06 onto CNV CV-0	Aggregate	30532006	965479	10
ansfer from CNV CV-08 to SAG 4 Feed Chu	Aggregate	30532006	965480	10
Transfer onto CNV CV-02	Aggregate	30532006	965481	10
Transfer from CNV CV-02 onto CNV CV-03	Aggregate	30532006	965482	10
nsfer from CNV CV-03 into the Surge Bin B	Aggregate	30532006	965483	10
lt Feeders FE-02 and FE-01 into crushers C	Aggregate	30532006	965484	10
n bottom of crushers CR-01 and CR-02 onto	Aggregate	30532006	965485	10
nsfer from CNV CV-03 into the Surge Bin B	Aggregate	30532006	965486	10
nsfer from Belt Feeders FE-07 onto CNV CV	Aggregate	30532006	965487	10
Truck Offloading Ore Stockpile	Copper Ore	30532001	965764	10
Truck Dispatch EG @ 6190	ified Petroleum Gas (L	20201001	178819	10
Communications EG at 6190	ified Petroleum Gas (L	20201001	178820	10
EmResp EG at Lark Gate	ified Petroleum Gas (L	20201001	178821	10
Galena Gulch	ified Petroleum Gas (L	20201001	178822	10
Dinkyville Hill	ified Petroleum Gas (L	20201001	178823	10
Diesel Fueling	Gasoline	40600499	965776	10
Hydraulic Roll Press	Copper Ore	30300599	178912	100
Portable Air Compressor	ified Petroleum Gas (L	20201001	178913	10
Transfer Point 2011	Copper Ore	30302404	178914	37

Component Description	Material or Fuel	Component SCC	ID	Height
Cold Solvent Degreasing Parts	Degreaser	40100398	926705	10
(3)Cold Solv. Degreas. Washers	Degreaser	40100398	926706	10
Storage Pile	Copper Ore	30302404	927477	10
Front End Loaders	Copper Ore	30532006	927590	10
Truck Loading	Copper Ore	30532006	927591	10
End Dump Trucks	Copper Ore	30532006	927592	10
Diesel Engines	Distillate Oil (No. 2)	2270002000	927593	10
Graders	Diesel	30501047	927729	10
Bulldozers (Track Type)	Copper Ore	30532006	927730	10
Wheeled Dozers	Copper Ore	30532006	927731	10
In-Pit Crusher	Copper Ore	30302401	1286	39
C6/C7 Conveyor Transfer Point	Copper Ore	30302402	1287	38
C6/C8 Conveyor Transfer Point	Copper Ore	30302404	1288	37
Lime Bin	Lime	30510205	1289	30
Lime Bin	Lime	30510205	1290	30

Prod Moly Dryer	Molybdenum Disulfide	30399999	1297	115
Mo Storage Bins	Molybdenum (Mo)	30399999	1298	30
Mo Load (drums)	Molybdenum Disulfide	30399999	1299	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1304	100
Prod Dryer Heater	Natural Gas	30399999	1305	100
Molly Vacuum	Molybdenum Disulfide	30399999	1306	100
Mo Load (bags)	Molybdenum Disulfide	30399999	1308	30
Prd Dryer Heater	Natural Gas	30399999	1301	115
Truck Dump Ore @ In-pit Crusher	Copper Ore	30532001	930800	10
In-Pit Enclosed Transfer Points 1,2 & 3	Copper Ore	30532006	930801	10
Conveyor-Stacker Transfer Point	Copper Ore	30532006	930802	10
Coarse Ore Stacker	Copper Ore	30532006	930803	10
Reclaim Tunnels	Copper Ore	30532006	930804	10
Gasoline Fueling	Gasoline	40600499	930807	10
Gasoline Fueling	Gasoline	40600499	930824	10
Drilling with Water Injection	Copper Ore	30502010	931211	10
Blasting with minimized area	Copper Ore	30502009	931212	10
Gravel	hicle Miles Traveled (VI	30300519	932776	10
Disturbed Areas	Copper Ore	30501049	940642	10
SXEW Copper Extraction	Liquid	30400299	940643	10
Sand Tower	Copper Ore	30399999	946196	10
Sample Preparation	Copper Ore	30399999	946197	10
Tertiary Crushing	Aggregate	30532003	965466	10
Screening	Aggregate	30532003	965467	10
Transfer Points	Aggregate	30532006	965468	10
Pebble Crushing in Crusher CR-01	Aggregate	30532003	965469	10
Pebble Crushing in Crusher CR-02	Aggregate	30532003	965470	10
Transfer from CNV CV-04 onto CNV CV-05	Aggregate	30532006	965471	10
om CNV CV-05 into Crushed Pebble Surge	Aggregate	30532006	965472	10
G No. 1 Belt Feeder FE-03 onto CNV CV-0	Aggregate	30532006	965473	10
ansfer from CNV CV-11 to SAG 1 Feed Chu	Aggregate	30532006	965474	10
from SAG No. 2 Belt Feeder FE-04 onto CN	Aggregate	30532006	965475	10
ansfer from CNV CV-10 to SAG 2 Feed Chu	Aggregate	30532006	965476	10
from SAG No. 3 Belt Feeder FE-05 onto CN	Aggregate	30532006	965477	10
ansfer from CNV CV-09 to SAG 3 Feed Chu	Aggregate	30532006	965478	10
G No. 4 Belt Feeder FE-06 onto CNV CV-0	Aggregate	30532006	965479	10
ansfer from CNV CV-08 to SAG 4 Feed Chu	Aggregate	30532006	965480	10
Transfer onto CNV CV-02	Aggregate	30532006	965481	10
Transfer from CNV CV-02 onto CNV CV-03	Aggregate	30532006	965482	10
nsfer from CNV CV-03 into the Surge Bin BI	Aggregate	30532006	965483	10
lt Feeders FE-02 and FE-01 into crushers C	Aggregate	30532006	965484	10
n bottom of crushers CR-01 and CR-02 onto	Aggregate	30532006	965485	10
nsfer from CNV CV-03 into the Surge Bin BI	Aggregate	30532006	965486	10
nsfer from Belt Feeders FE-07 onto CNV CV	Aggregate	30532006	965487	10
Truck Offloading Ore Stockpile	Copper Ore	30532001	965764	10
Truck Dispatch EG @ 6190	ified Petroleum Gas (L	20201001	178819	10
Communications EG at 6190	ified Petroleum Gas (L	20201001	178820	10
EmResp EG at Lark Gate	ified Petroleum Gas (L	20201001	178821	10
Galena Gulch	ified Petroleum Gas (L	20201001	178822	10

Dinkyville Hill	ified Petroleum Gas (L	20201001	178823	10
Diesel Fueling	Gasoline	40600499	965776	10
Hydraulic Roll Press	Copper Ore	30300599	178912	100
Portable Air Compressor	ified Petroleum Gas (L	20201001	178913	10
Transfer Point 2011	Copper Ore	30302404	178914	37

Component Description	Material or Fuel	Component SCC		
			ID	Height
Cold Solvent Degreasing Parts	Degreaser	40100398	926705	10
(3)Cold Solv. Degreas. Washers	Degreaser	40100398	926706	10
Storage Pile	Copper Ore	30302404	927477	10
Front End Loaders	Copper Ore	30532006	927590	10
Truck Loading	Copper Ore	30532006	927591	10
End Dump Trucks	Copper Ore	30532006	927592	10
Diesel Engines	Distillate Oil (No. 2)	2270002000	927593	10
Graders	Diesel	30501047	927729	10
Bulldozers (Track Type)	Copper Ore	30532006	927730	10
Wheeled Dozers	Copper Ore	30532006	927731	10
In-Pit Crusher	Copper Ore	30302401	1286	39
C6/C7 Conveyor Transfer Point	Copper Ore	30302402	1287	38
C6/C8 Conveyor Transfer Point	Copper Ore	30302404	1288	37
Lime Bin	Lime	30510205	1289	30
Lime Bin	Lime	30510205	1290	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1297	115
Mo Storage Bins	Molybdenum (Mo)	30399999	1298	30
Mo Load (drums)	Molybdenum Disulfide	30399999	1299	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1304	100
Prod Dryer Heater	Natural Gas	30399999	1305	100
Molly Vacuum	Molybdenum Disulfide	30399999	1306	100
Mo Load (bags)	Molybdenum Disulfide	30399999	1308	30
Prd Dryer Heater	Natural Gas	30399999	1301	115
Truck Dump Ore @ In-pit Crusher	Copper Ore	30532001	930800	10
In-Pit Enclosed Transfer Points 1,2 & 3	Copper Ore	30532006	930801	10
Conveyor-Stacker Transfer Point	Copper Ore	30532006	930802	10
Coarse Ore Stacker	Copper Ore	30532006	930803	10
Reclaim Tunnels	Copper Ore	30532006	930804	10
Gasoline Fueling	Gasoline	40600499	930807	10
Gasoline Fueling	Gasoline	40600499	930824	10
Drilling with Water Injection	Copper Ore	30502010	931211	10

Blasting with minimized area	Copper Ore	30502009	931212	10
Gravel	hicle Miles Traveled (VI	30300519	932776	10
Disturbed Areas	Copper Ore	30501049	940642	10
SXEW Copper Extraction	Liquid	30400299	940643	10
Sand Tower	Copper Ore	30399999	946196	10
Sample Preparation	Copper Ore	30399999	946197	10
Tertiary Crushing	Aggregate	30532003	965466	10
Screening	Aggregate	30532003	965467	10
Transfer Points	Aggregate	30532006	965468	10
Pebble Crushing in Crusher CR-01	Aggregate	30532003	965469	10
Pebble Crushing in Crusher CR-02	Aggregate	30532003	965470	10
Transfer from CNV CV-04 onto CNV CV-05	Aggregate	30532006	965471	10
om CNV CV-05 into Crushed Pebble Surge	Aggregate	30532006	965472	10
G No. 1 Belt Feeder FE-03 onto CNV CV-0	Aggregate	30532006	965473	10
ansfer from CNV CV-11 to SAG 1 Feed Chu	Aggregate	30532006	965474	10
from SAG No. 2 Belt Feeder FE-04 onto CN	Aggregate	30532006	965475	10
ansfer from CNV CV-10 to SAG 2 Feed Chu	Aggregate	30532006	965476	10
from SAG No. 3 Belt Feeder FE-05 onto CN	Aggregate	30532006	965477	10
ansfer from CNV CV-09 to SAG 3 Feed Chu	Aggregate	30532006	965478	10
G No. 4 Belt Feeder FE-06 onto CNV CV-0	Aggregate	30532006	965479	10
ansfer from CNV CV-08 to SAG 4 Feed Chu	Aggregate	30532006	965480	10
Transfer onto CNV CV-02	Aggregate	30532006	965481	10
Transfer from CNV CV-02 onto CNV CV-03	Aggregate	30532006	965482	10
nsfer from CNV CV-03 into the Surge Bin BI	Aggregate	30532006	965483	10
lt Feeders FE-02 and FE-01 into crushers C	Aggregate	30532006	965484	10
n bottom of crushers CR-01 and CR-02 onto	Aggregate	30532006	965485	10
nsfer from CNV CV-03 into the Surge Bin BI	Aggregate	30532006	965486	10
nsfer from Belt Feeders FE-07 onto CNV CV	Aggregate	30532006	965487	10
Truck Offloading Ore Stockpile	Copper Ore	30532001	965764	10
Truck Dispatch EG @ 6190	ified Petroleum Gas (L	20201001	178819	10
Communications EG at 6190	ified Petroleum Gas (L	20201001	178820	10
EmResp EG at Lark Gate	ified Petroleum Gas (L	20201001	178821	10
Galena Gulch	ified Petroleum Gas (L	20201001	178822	10
Dinkyville Hill	ified Petroleum Gas (L	20201001	178823	10
Diesel Fueling	Gasoline	40600499	965776	10
Hydraulic Roll Press	Copper Ore	30300599	178912	100
Portable Air Compressor	ified Petroleum Gas (L	20201001	178913	10
Transfer Point 2011	Copper Ore	30302404	178914	37

Component Description	Material or Fuel	Component SCC		
			ID	Height
Cold Solvent Degreasing Parts	Degreaser	40100398	926705	10
(3)Cold Solv. Degreas. Washers	Degreaser	40100398	926706	10
Storage Pile	Copper Ore	30302404	927477	10
Front End Loaders	Copper Ore	30532006	927590	10
Truck Loading	Copper Ore	30532006	927591	10
End Dump Trucks	Copper Ore	30532006	927592	10
Diesel Engines	Distillate Oil (No. 2)	2270002000	927593	10
Graders	Diesel	30501047	927729	10
Bulldozers (Track Type)	Copper Ore	30532006	927730	10
Wheeled Dozers	Copper Ore	30532006	927731	10
In-Pit Crusher	Copper Ore	30302401	1286	39
C6/C7 Conveyor Transfer Point	Copper Ore	30302402	1287	38
C6/C8 Conveyor Transfer Point	Copper Ore	30302404	1288	37
Lime Bin	Lime	30510205	1289	30
Lime Bin	Lime	30510205	1290	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1297	115
Mo Storage Bins	Molybdenum (Mo)	30399999	1298	30
Mo Load (drums)	Molybdenum Disulfide	30399999	1299	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1304	100
Prod Dryer Heater	Natural Gas	30399999	1305	100
Molly Vacuum	Molybdenum Disulfide	30399999	1306	100
Mo Load (bags)	Molybdenum Disulfide	30399999	1308	30
Prd Dryer Heater	Natural Gas	30399999	1301	115
Truck Dump Ore @ In-pit Crusher	Copper Ore	30532001	930800	10
In-Pit Enclosed Transfer Points 1,2 & 3	Copper Ore	30532006	930801	10
Conveyor-Stacker Transfer Point	Copper Ore	30532006	930802	10
Coarse Ore Stacker	Copper Ore	30532006	930803	10
Reclaim Tunnels	Copper Ore	30532006	930804	10
Gasoline Fueling	Gasoline	40600499	930807	10
Gasoline Fueling	Gasoline	40600499	930824	10
Drilling with Water Injection	Copper Ore	30502010	931211	10
Blasting with minimized area	Copper Ore	30502009	931212	10
Gravel	hicle Miles Traveled (VI	30300519	932776	10
Disturbed Areas	Copper Ore	30501049	940642	10
SXEW Copper Extraction	Liquid	30400299	940643	10
Sand Tower	Copper Ore	30399999	946196	10
Sample Preparation	Copper Ore	30399999	946197	10
Tertiary Crushing	Aggregate	30532003	965466	10
Screening	Aggregate	30532003	965467	10
Transfer Points	Aggregate	30532006	965468	10
Pebble Crushing in Crusher CR-01	Aggregate	30532003	965469	10
Pebble Crushing in Crusher CR-02	Aggregate	30532003	965470	10
Transfer from CNV CV-04 onto CNV CV-05	Aggregate	30532006	965471	10
om CNV CV-05 into Crushed Pebble Surge	Aggregate	30532006	965472	10
G No. 1 Belt Feeder FE-03 onto CNV CV-0	Aggregate	30532006	965473	10
ansfer from CNV CV-11 to SAG 1 Feed Chu	Aggregate	30532006	965474	10
from SAG No. 2 Belt Feeder FE-04 onto CN	Aggregate	30532006	965475	10

ansfer from CNV CV-10 to SAG 2 Feed Chu	Aggregate	30532006	965476	10
from SAG No. 3 Belt Feeder FE-05 onto CN	Aggregate	30532006	965477	10
ansfer from CNV CV-09 to SAG 3 Feed Chu	Aggregate	30532006	965478	10
G No. 4 Belt Feeder FE-06 onto CNV CV-07	Aggregate	30532006	965479	10
ansfer from CNV CV-08 to SAG 4 Feed Chu	Aggregate	30532006	965480	10
Transfer onto CNV CV-02	Aggregate	30532006	965481	10
Transfer from CNV CV-02 onto CNV CV-03	Aggregate	30532006	965482	10
nsfer from CNV CV-03 into the Surge Bin BN	Aggregate	30532006	965483	10
lt Feeders FE-02 and FE-01 into crushers C	Aggregate	30532006	965484	10
n bottom of crushers CR-01 and CR-02 onto	Aggregate	30532006	965485	10
nsfer from CNV CV-03 into the Surge Bin BN	Aggregate	30532006	965486	10
nsfer from Belt Feeders FE-07 onto CNV CV	Aggregate	30532006	965487	10
Truck Offloading Ore Stockpile	Copper Ore	30532001	965764	10
Truck Dispatch EG @ 6190	ified Petroleum Gas (L	20201001	178819	10
Communications EG at 6190	ified Petroleum Gas (L	20201001	178820	10
EmResp EG at Lark Gate	ified Petroleum Gas (L	20201001	178821	10
Galena Gulch	ified Petroleum Gas (L	20201001	178822	10
Dinkyville Hill	ified Petroleum Gas (L	20201001	178823	10
Diesel Fueling	Gasoline	40600499	965776	10
Hydraulic Roll Press	Copper Ore	30300599	178912	100
Portable Air Compressor	ified Petroleum Gas (L	20201001	178913	10
Transfer Point 2011	Copper Ore	30302404	178914	37

Component Description	Material or Fuel	Component SCC	ID	Height
Cold Solvent Degreasing Parts	Degreaser	40100398	926705	10
(3)Cold Solv. Degreas. Washers	Degreaser	40100398	926706	10
Storage Pile	Copper Ore	30302404	927477	10
Front End Loaders	Copper Ore	30532006	927590	10
Truck Loading	Copper Ore	30532006	927591	10
End Dump Trucks	Copper Ore	30532006	927592	10
Diesel Engines	Distillate Oil (No. 2)	2270002000	927593	10
Graders	Diesel	30501047	927729	10
Bulldozers (Track Type)	Copper Ore	30532006	927730	10
Wheeled Dozers	Copper Ore	30532006	927731	10
In-Pit Crusher	Copper Ore	30302401	1286	39
C6/C7 Conveyor Transfer Point	Copper Ore	30302402	1287	38
C6/C8 Conveyor Transfer Point	Copper Ore	30302404	1288	37
Lime Bin	Lime	30510205	1289	30

Lime Bin	Lime	30510205	1290	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1297	115
Mo Storage Bins	Molybdenum (Mo)	30399999	1298	30
Mo Load (drums)	Molybdenum Disulfide	30399999	1299	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1304	100
Prod Dryer Heater	Natural Gas	30399999	1305	100
Molly Vacuum	Molybdenum Disulfide	30399999	1306	100
Mo Load (bags)	Molybdenum Disulfide	30399999	1308	30
Prd Dryer Heater	Natural Gas	30399999	1301	115
Truck Dump Ore @ In-pit Crusher	Copper Ore	30532001	930800	10
In-Pit Enclosed Transfer Points 1,2 & 3	Copper Ore	30532006	930801	10
Conveyor-Stacker Transfer Point	Copper Ore	30532006	930802	10
Coarse Ore Stacker	Copper Ore	30532006	930803	10
Reclaim Tunnels	Copper Ore	30532006	930804	10
Gasoline Fueling	Gasoline	40600499	930807	10
Gasoline Fueling	Gasoline	40600499	930824	10
Drilling with Water Injection	Copper Ore	30502010	931211	10
Blasting with minimized area	Copper Ore	30502009	931212	10
Gravel	hicle Miles Traveled (VI	30300519	932776	10
Disturbed Areas	Copper Ore	30501049	940642	10
SXEW Copper Extraction	Liquid	30400299	940643	10
Sand Tower	Copper Ore	30399999	946196	10
Sample Preparation	Copper Ore	30399999	946197	10
Tertiary Crushing	Aggregate	30532003	965466	10
Screening	Aggregate	30532003	965467	10
Transfer Points	Aggregate	30532006	965468	10
Pebble Crushing in Crusher CR-01	Aggregate	30532003	965469	10
Pebble Crushing in Crusher CR-02	Aggregate	30532003	965470	10
Transfer from CNV CV-04 onto CNV CV-05	Aggregate	30532006	965471	10
om CNV CV-05 into Crushed Pebble Surge	Aggregate	30532006	965472	10
G No. 1 Belt Feeder FE-03 onto CNV CV-0	Aggregate	30532006	965473	10
ansfer from CNV CV-11 to SAG 1 Feed Chu	Aggregate	30532006	965474	10
from SAG No. 2 Belt Feeder FE-04 onto CN	Aggregate	30532006	965475	10
ansfer from CNV CV-10 to SAG 2 Feed Chu	Aggregate	30532006	965476	10
from SAG No. 3 Belt Feeder FE-05 onto CN	Aggregate	30532006	965477	10
ansfer from CNV CV-09 to SAG 3 Feed Chu	Aggregate	30532006	965478	10
G No. 4 Belt Feeder FE-06 onto CNV CV-0	Aggregate	30532006	965479	10
ansfer from CNV CV-08 to SAG 4 Feed Chu	Aggregate	30532006	965480	10
Transfer onto CNV CV-02	Aggregate	30532006	965481	10
Transfer from CNV CV-02 onto CNV CV-03	Aggregate	30532006	965482	10
nsfer from CNV CV-03 into the Surge Bin BI	Aggregate	30532006	965483	10
lt Feeders FE-02 and FE-01 into crushers C	Aggregate	30532006	965484	10
n bottom of crushers CR-01 and CR-02 onto	Aggregate	30532006	965485	10
nsfer from CNV CV-03 into the Surge Bin BI	Aggregate	30532006	965486	10
nsfer from Belt Feeders FE-07 onto CNV CV	Aggregate	30532006	965487	10
Truck Offloading Ore Stockpile	Copper Ore	30532001	965764	10
Truck Dispatch EG @ 6190	ified Petroleum Gas (L	20201001	178819	10
Communications EG at 6190	ified Petroleum Gas (L	20201001	178820	10
EmResp EG at Lark Gate	ified Petroleum Gas (L	20201001	178821	10

Galena Gulch	ified Petroleum Gas (L	20201001	178822	10
Dinkyville Hill	ified Petroleum Gas (L	20201001	178823	10
Diesel Fueling	Gasoline	40600499	965776	10
Hydraulic Roll Press	Copper Ore	30300599	178912	100
Portable Air Compressor	ified Petroleum Gas (L	20201001	178913	10
Transfer Point 2011	Copper Ore	30302404	178914	37

Stack					Location			
Diameter	Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk
0	72	0	0	0	40.59403	-112.1251	5	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
2.38	83	192	4.448809	43.06	40.59403	-112.1251	24	7
1.54	78	101	1.86265	53.92	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
1	65	15	0.785398	19.44	40.59403	-112.1251	24	7
1	80	25	0.785398	31.83	40.59403	-112.1251	24	7
1	80	9	0.785398	11.46	40.59403	-112.1251	0	0
0.96	108	18	0.723823	25.26	40.59403	-112.1251	24	7
1	300	7.85	0.785398	10	40.59403	-112.1251	24	7
1	80	4	0.785398	5.09	40.59403	-112.1251	2	7
1	80	8	0.785398	10.19	40.59403	-112.1251	24	7
0.8	300	1.31	0.502655	2.6	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	2	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	0	0

0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	8	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
1	80	4	0.785398	5.09	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7

Stack					Location			
Diameter	Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk
0	72	0	0	0	40.59403	-112.1251	5	7
0	72	0	0	0	40.59403	-112.1251	1	7

0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
2.38	83	192	4.448809	43.06	40.59403	-112.1251	24	7
1.54	78	101	1.86265	53.92	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
1	65	15	0.785398	19.44	40.59403	-112.1251	24	7
1	80	25	0.785398	31.83	40.59403	-112.1251	24	7
1	80	9	0.785398	11.46	40.59403	-112.1251	0	0
0.96	108	18	0.723823	25.26	40.59403	-112.1251	24	7
1	300	7.85	0.785398	10	40.59403	-112.1251	24	7
1	80	4	0.785398	5.09	40.59403	-112.1251	2	7
1	80	8	0.785398	10.19	40.59403	-112.1251	24	7
0.8	300	1.31	0.502655	2.6	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	2	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	8	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7

0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
1	80	4	0.785398	5.09	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7

Stack					Location			
Diameter	Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk
0	72	0	0	0	40.59403	-112.1251	5	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
2.38	83	192	4.448809	43.06	40.59403	-112.1251	24	7
1.54	78	101	1.86265	53.92	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7

1	65	15	0.785398	19.44	40.59403	-112.1251	24	7
1	80	25	0.785398	31.83	40.59403	-112.1251	24	7
1	80	9	0.785398	11.46	40.59403	-112.1251	0	0
0.96	108	18	0.723823	25.26	40.59403	-112.1251	24	7
1	300	7.85	0.785398	10	40.59403	-112.1251	24	7
1	80	4	0.785398	5.09	40.59403	-112.1251	2	7
1	80	8	0.785398	10.19	40.59403	-112.1251	24	7
0.8	300	1.31	0.502655	2.6	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	2	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	8	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7

1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
1	80	4	0.785398	5.09	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7

Stack					Location			
Diameter	Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk
0	72	0	0	0	40.59403	-112.1251	5	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
2.38	83	192	4.448809	43.06	40.59403	-112.1251	24	7
1.54	78	101	1.86265	53.92	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
1	65	15	0.785398	19.44	40.59403	-112.1251	24	7
1	80	25	0.785398	31.83	40.59403	-112.1251	24	7
1	80	9	0.785398	11.46	40.59403	-112.1251	0	0
0.96	108	18	0.723823	25.26	40.59403	-112.1251	24	7
1	300	7.85	0.785398	10	40.59403	-112.1251	24	7
1	80	4	0.785398	5.09	40.59403	-112.1251	2	7
1	80	8	0.785398	10.19	40.59403	-112.1251	24	7
0.8	300	1.31	0.502655	2.6	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	2	7
0	72	0	0	0	40.59403	-112.1251	24	7

0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	8	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
1	80	4	0.785398	5.09	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7

Stack					Location			
Diameter	Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk
0	72	0	0	0	40.59403	-112.1251	5	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
2.38	83	192	4.448809	43.06	40.59403	-112.1251	24	7
1.54	78	101	1.86265	53.92	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
1	65	15	0.785398	19.44	40.59403	-112.1251	24	7
1	80	25	0.785398	31.83	40.59403	-112.1251	24	7
1	80	9	0.785398	11.46	40.59403	-112.1251	0	0
0.96	108	18	0.723823	25.26	40.59403	-112.1251	24	7
1	300	7.85	0.785398	10	40.59403	-112.1251	24	7
1	80	4	0.785398	5.09	40.59403	-112.1251	2	7
1	80	8	0.785398	10.19	40.59403	-112.1251	24	7
0.8	300	1.31	0.502655	2.6	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	2	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	8	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7

0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
1	80	4	0.785398	5.09	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7

Stack					Location			
Diameter	Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk
0	72	0	0	0	40.59403	-112.1251	5	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
2.38	83	192	4.448809	43.06	40.59403	-112.1251	24	7
1.54	78	101	1.86265	53.92	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7

2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
1	65	15	0.785398	19.44	40.59403	-112.1251	24	7
1	80	25	0.785398	31.83	40.59403	-112.1251	24	7
1	80	9	0.785398	11.46	40.59403	-112.1251	0	0
0.96	108	18	0.723823	25.26	40.59403	-112.1251	24	7
1	300	7.85	0.785398	10	40.59403	-112.1251	24	7
1	80	4	0.785398	5.09	40.59403	-112.1251	2	7
1	80	8	0.785398	10.19	40.59403	-112.1251	24	7
0.8	300	1.31	0.502655	2.6	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	2	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	8	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7

1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
1	80	4	0.785398	5.09	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7

				Temporal Operating Information				
Wks/Yr	Hrs/Yr	% Jan	% Feb	% Mar	% Apr	% May	% Jun	% Jul
52	1825	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	70000	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	63338	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	85055	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	42687	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8030	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	7917	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	710	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2840	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	426	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	29455	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33

0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2916	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2826	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2441	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	39	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	32	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	31	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	41	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	15	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	740	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33

				Temporal Operating Information				
Wks/Yr	**Hrs/Yr**	**% Jan**	**% Feb**	**% Mar**	**% Apr**	**% May**	**% Jun**	**% Jul**
52	1825	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	70000	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	63338	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	85055	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	42687	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8030	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	7917	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	710	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2840	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	426	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	29455	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2916	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2826	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2441	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	39	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	32	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	31	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	41	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	15	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	740	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33

				Temporal Operating Information				
Wks/Yr	**Hrs/Yr**	**% Jan**	**% Feb**	**% Mar**	**% Apr**	**% May**	**% Jun**	**% Jul**
52	1825	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	70000	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	63338	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	85055	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	42687	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8030	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	7917	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	710	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2840	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	426	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	29455	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2916	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2826	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2441	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	39	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	32	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	31	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	41	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	15	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	740	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33

				Temporal Operating Information				
Wks/Yr	**Hrs/Yr**	**% Jan**	**% Feb**	**% Mar**	**% Apr**	**% May**	**% Jun**	**% Jul**
52	1825	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	70000	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	63338	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	85055	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	42687	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8030	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	7917	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	710	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2840	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	426	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	29455	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2916	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2826	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2441	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	39	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	32	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	31	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	41	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	15	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	740	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33

				Temporal Operating Information				
Wks/Yr	Hrs/Yr	% Jan	% Feb	% Mar	% Apr	% May	% Jun	% Jul
52	1825	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	70000	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	63338	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	85055	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	42687	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8030	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	7917	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	710	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2840	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	426	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	29455	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2916	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2826	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2441	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	39	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	32	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	31	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	41	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	15	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	740	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33

				Temporal Operating Information				
Wks/Yr	**Hrs/Yr**	**% Jan**	**% Feb**	**% Mar**	**% Apr**	**% May**	**% Jun**	**% Jul**
52	1825	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	70000	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	63338	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	85055	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	42687	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8030	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	7917	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	710	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2840	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	426	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	29455	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2916	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2826	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2441	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	39	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	32	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	31	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	41	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	15	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	740	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33

PM10	PM2.5	SO2
723.411	131.286	3.777

% Aug	% Sep	% Oct	% Nov	% Dec	Permit Status	PM10	PM2.5	SO2
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	25.058	3.984	
8.33	8.33	8.33	8.33	8.33	Yes	0.292	0.049	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.193	0.190	0.000
8.33	8.33	8.33	8.33	8.33	Yes	40.298	6.102	0.000
8.33	8.33	8.33	8.33	8.33	Yes	108.000	42.000	3.000
8.33	8.33	8.33	8.33	8.33	Yes	69.662	8.162	0.000
8.33	8.33	8.33	8.33	8.33	Yes	6.287	3.863	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.434	0.911	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.325	1.155	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.437	1.261	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.408	0.402	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.039	0.012	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.039	0.012	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.190	0.177	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.901	0.270	0.000
8.33	8.33	8.33	8.33	8.33	No	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.060	0.030	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.025	0.025	0.002
8.33	8.33	8.33	8.33	8.33	Yes	0.010	0.003	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.097	0.029	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.025	0.025	0.002
8.33	8.33	8.33	8.33	8.33	Yes	0.398	0.063	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.193	0.190	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.988	0.301	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.988	0.301	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.988	0.301	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.476	0.076	
8.33	8.33	8.33	8.33	8.33	Yes	8.770	0.530	
8.33	8.33	8.33	8.33	8.33	Yes	410.147	42.376	
8.33	8.33	8.33	8.33	8.33	Yes	23.984	3.641	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	

8.33	8.33	8.33	8.33	8.33	No	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.179	0.053	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.072	0.014	
8.33	8.33	8.33	8.33	8.33	Yes	0.099	0.007	
8.33	8.33	8.33	8.33	8.33	Yes	0.062	0.018	
8.33	8.33	8.33	8.33	8.33	Yes	0.152	0.006	
8.33	8.33	8.33	8.33	8.33	Yes	0.152	0.006	
8.33	8.33	8.33	8.33	8.33	Yes	0.059	0.017	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.059	0.017	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.029	0.008	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.029	0.008	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.059	0.017	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.029	0.008	
8.33	8.33	8.33	8.33	8.33	Yes	0.053	0.008	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33		0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33		14.100	14.100	0.000
8.33	8.33	8.33	8.33	8.33		0.155	0.155	0.773
8.33	8.33	8.33	8.33	8.33		0.408	0.402	0.000

PM10	**PM2.5**	**SO2**
2246.469	435.038	5.784

Does the 2019 True-Up In

					Permit			
% Aug	**% Sep**	**% Oct**	**% Nov**	**% Dec**	**Status**	**PM10**	**PM2.5**	**SO2**
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000

8.33	8.33	8.33	8.33	8.33	Yes	1.8810	0.2970	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	11.1420	1.8720	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	1.5390	0.2430	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	51.7500	7.8300	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	220.6	215.9	5.8
8.33	8.33	8.33	8.33	8.33	Yes	69.9300	8.1900	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	5.3100	3.2400	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	1.0800	0.6750	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	2.0070	0.6210	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	1.2150	0.3600	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.7470	0.2160	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.3330	0.1170	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.3330	0.1170	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.1896	0.1766	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.9010	0.2703	0.0000
8.33	8.33	8.33	8.33	8.33	No	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0603	0.0302	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0254	0.0254	0.0020
8.33	8.33	8.33	8.33	8.33	Yes	0.0097	0.0029	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0974	0.0292	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0254	0.0254	0.0020
8.33	8.33	8.33	8.33	8.33	Yes	1.0080	0.1620	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	4.0230	0.6390	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	2.5110	0.3780	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	2.5110	0.3780	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	2.5110	0.3780	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.5400	0.0810	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	9.9000	0.6030	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	1816.00	184.00	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	36.5310	7.8750	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	No	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.1530	0.0450	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.1530	0.0270	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.2070	0.0180	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.1260	0.0360	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.1518	0.0063	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.1518	0.0063	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0590	0.0167	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0590	0.0167	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0295	0.0083	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0295	0.0083	0.0000

8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0590	0.0167	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0295	0.0083	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.5040	0.0810	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.0001
8.33	8.33	8.33	8.33	8.33	Yes	0.0005	0.0005	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0004	0.0004	0.0000
8.33	8.33	8.33	8.33	8.33	0			
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	0			
8.33	8.33	8.33	8.33	8.33	0			
8.33	8.33	8.33	8.33	8.33	0			

PM10	**PM2.5**	**SO2**
2246.469	435.038	5.784

					Permit			
% Aug	**% Sep**	**% Oct**	**% Nov**	**% Dec**	**Status**	**PM10**	**PM2.5**	**SO2**
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	1.881	0.297	0
8.33	8.33	8.33	8.33	8.33	Yes	11.142	1.872	0
8.33	8.33	8.33	8.33	8.33	Yes	1.539	0.243	0
8.33	8.33	8.33	8.33	8.33	Yes	51.75	7.83	0
8.33	8.33	8.33	8.33	8.33	Yes	220.6432	215.9088	5.78
8.33	8.33	8.33	8.33	8.33	Yes	69.93	8.19	0
8.33	8.33	8.33	8.33	8.33	Yes	5.31	3.24	0
8.33	8.33	8.33	8.33	8.33	Yes	1.08	0.675	0
8.33	8.33	8.33	8.33	8.33	Yes	2.007	0.621	0
8.33	8.33	8.33	8.33	8.33	Yes	1.215	0.36	0
8.33	8.33	8.33	8.33	8.33	Yes	0.747	0.216	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0

8.33	8.33	8.33	8.33	8.33	Yes	0.189552	0.176628	0
8.33	8.33	8.33	8.33	8.33	Yes	0.901029	0.270309	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.060312	0.030156	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	0.009737	0.002921	0
8.33	8.33	8.33	8.33	8.33	Yes	0.097371	0.029211	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	1.008	0.162	0
8.33	8.33	8.33	8.33	8.33	Yes	4.023	0.639	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.54	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	9.9	0.603	0
8.33	8.33	8.33	8.33	8.33	Yes	1816	184	0
8.33	8.33	8.33	8.33	8.33	Yes	36.531	7.875	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.045	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.027	0
8.33	8.33	8.33	8.33	8.33	Yes	0.207	0.018	0
8.33	8.33	8.33	8.33	8.33	Yes	0.126	0.036	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0.504	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000126
8.33	8.33	8.33	8.33	8.33	Yes	0.00045	0.00045	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.00036	0.00036	0.000027

8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0

PM10	**PM2.5**	**SO2**
2246.469	435.038	5.784

					Permit			
% Aug	**% Sep**	**% Oct**	**% Nov**	**% Dec**	**Status**	**PM10**	**PM2.5**	**SO2**
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	1.881	0.297	0
8.33	8.33	8.33	8.33	8.33	Yes	11.142	1.872	0
8.33	8.33	8.33	8.33	8.33	Yes	1.539	0.243	0
8.33	8.33	8.33	8.33	8.33	Yes	51.75	7.83	0
8.33	8.33	8.33	8.33	8.33	Yes	220.6432	215.9088	5.78
8.33	8.33	8.33	8.33	8.33	Yes	69.93	8.19	0
8.33	8.33	8.33	8.33	8.33	Yes	5.31	3.24	0
8.33	8.33	8.33	8.33	8.33	Yes	1.08	0.675	0
8.33	8.33	8.33	8.33	8.33	Yes	2.007	0.621	0
8.33	8.33	8.33	8.33	8.33	Yes	1.215	0.36	0
8.33	8.33	8.33	8.33	8.33	Yes	0.747	0.216	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0
8.33	8.33	8.33	8.33	8.33	Yes	0.189552	0.176628	0
8.33	8.33	8.33	8.33	8.33	Yes	0.901029	0.270309	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.060312	0.030156	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	0.009737	0.002921	0
8.33	8.33	8.33	8.33	8.33	Yes	0.097371	0.029211	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	1.008	0.162	0
8.33	8.33	8.33	8.33	8.33	Yes	4.023	0.639	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.54	0.081	0

8.33	8.33	8.33	8.33	8.33	Yes	9.9	0.603	0
8.33	8.33	8.33	8.33	8.33	Yes	1816	184	0
8.33	8.33	8.33	8.33	8.33	Yes	36.531	7.875	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.045	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.027	0
8.33	8.33	8.33	8.33	8.33	Yes	0.207	0.018	0
8.33	8.33	8.33	8.33	8.33	Yes	0.126	0.036	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0.504	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000126
8.33	8.33	8.33	8.33	8.33	Yes	0.00045	0.00045	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.00036	0.00036	0.000027
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0

PM10	**PM2.5**	**SO2**
2246.469	435.038	5.784

					Permit			
% Aug	% Sep	% Oct	% Nov	% Dec	Status	PM10	PM2.5	SO2
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	1.881	0.297	0
8.33	8.33	8.33	8.33	8.33	Yes	11.142	1.872	0
8.33	8.33	8.33	8.33	8.33	Yes	1.539	0.243	0
8.33	8.33	8.33	8.33	8.33	Yes	51.75	7.83	0
8.33	8.33	8.33	8.33	8.33	Yes	220.6432	215.9088	5.78
8.33	8.33	8.33	8.33	8.33	Yes	69.93	8.19	0
8.33	8.33	8.33	8.33	8.33	Yes	5.31	3.24	0
8.33	8.33	8.33	8.33	8.33	Yes	1.08	0.675	0
8.33	8.33	8.33	8.33	8.33	Yes	2.007	0.621	0
8.33	8.33	8.33	8.33	8.33	Yes	1.215	0.36	0
8.33	8.33	8.33	8.33	8.33	Yes	0.747	0.216	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0
8.33	8.33	8.33	8.33	8.33	Yes	0.189552	0.176628	0
8.33	8.33	8.33	8.33	8.33	Yes	0.901029	0.270309	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.060312	0.030156	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	0.009737	0.002921	0
8.33	8.33	8.33	8.33	8.33	Yes	0.097371	0.029211	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	1.008	0.162	0
8.33	8.33	8.33	8.33	8.33	Yes	4.023	0.639	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.54	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	9.9	0.603	0
8.33	8.33	8.33	8.33	8.33	Yes	1816	184	0
8.33	8.33	8.33	8.33	8.33	Yes	36.531	7.875	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.045	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.027	0
8.33	8.33	8.33	8.33	8.33	Yes	0.207	0.018	0
8.33	8.33	8.33	8.33	8.33	Yes	0.126	0.036	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0

8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0.504	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000126
8.33	8.33	8.33	8.33	8.33	Yes	0.00045	0.00045	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.00036	0.00036	0.000027
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0

PM10	**PM2.5**	**SO2**
2246.469	435.038	5.784

					Permit			
% Aug	**% Sep**	**% Oct**	**% Nov**	**% Dec**	**Status**	**PM10**	**PM2.5**	**SO2**
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	1.881	0.297	0
8.33	8.33	8.33	8.33	8.33	Yes	11.142	1.872	0
8.33	8.33	8.33	8.33	8.33	Yes	1.539	0.243	0
8.33	8.33	8.33	8.33	8.33	Yes	51.75	7.83	0
8.33	8.33	8.33	8.33	8.33	Yes	220.6432	215.9088	5.78
8.33	8.33	8.33	8.33	8.33	Yes	69.93	8.19	0
8.33	8.33	8.33	8.33	8.33	Yes	5.31	3.24	0
8.33	8.33	8.33	8.33	8.33	Yes	1.08	0.675	0
8.33	8.33	8.33	8.33	8.33	Yes	2.007	0.621	0
8.33	8.33	8.33	8.33	8.33	Yes	1.215	0.36	0
8.33	8.33	8.33	8.33	8.33	Yes	0.747	0.216	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0

8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0
8.33	8.33	8.33	8.33	8.33	Yes	0.189552	0.176628	0
8.33	8.33	8.33	8.33	8.33	Yes	0.901029	0.270309	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.060312	0.030156	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	0.009737	0.002921	0
8.33	8.33	8.33	8.33	8.33	Yes	0.097371	0.029211	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	1.008	0.162	0
8.33	8.33	8.33	8.33	8.33	Yes	4.023	0.639	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.54	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	9.9	0.603	0
8.33	8.33	8.33	8.33	8.33	Yes	1816	184	0
8.33	8.33	8.33	8.33	8.33	Yes	36.531	7.875	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.045	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.027	0
8.33	8.33	8.33	8.33	8.33	Yes	0.207	0.018	0
8.33	8.33	8.33	8.33	8.33	Yes	0.126	0.036	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0.504	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000126
8.33	8.33	8.33	8.33	8.33	Yes	0.00045	0.00045	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000027

8.33	8.33	8.33	8.33	8.33	Yes	0.00036	0.00036	0.000027
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0

2011 Actual Emissions (tons/yr)						
NOx	VOC	CO	NH3	Benzene	Chlorine	HCl
3558.087	203.687	1164.501	1.454	0.000	0.000	0.000

2011 Actual Emissions							
NOx	VOC	CO	NH3	Benzene	Chlorine	HCl	
	1.702						0.000
	0.083						0.000
							21.074
0.000	0.000	0.000	0.000				0.243
0.000	0.000	0.000	0.000				1.004
0.000	0.000	0.000	0.000				34.196
3552.000	200.000	1162.000	0.000				66.000
0.000	0.000	0.000	0.000				61.500
0.000	0.000	0.000	0.000				2.424
0.000	0.000	0.000	0.000				0.523
0.000	0.000	0.000	0.000				0.170
0.000	0.000	0.000	0.000				0.176
0.000	0.000	0.000	0.000				0.006
0.000	0.000	0.000	0.000				0.028
0.000	0.000	0.000	0.000				0.028
0.000	0.000	0.000	0.000				0.013
0.000	0.000	0.000	0.000				0.631
0.000	0.000	0.000	0.000				0.000
0.000	0.000	0.000	0.000				0.030
0.334	0.018	0.280	0.011				0.000
0.000	0.000	0.000	0.000				0.007
0.000	0.000	0.000	0.000				0.068
0.334	0.018	0.280	0.011				0.000
0.000	0.000	0.000	0.000				0.334
0.000	0.000	0.000	0.000				1.003
0.000	0.000	0.000	0.000				1.687
0.000	0.000	0.000	0.000				1.687
0.000	0.000	0.000	0.000				1.687
0.000	0.904	0.000	0.000				0.000
0.000	0.354	0.000	0.000				0.000
			0.000				0.400
			1.432				8.240
							367.772
0.000	0.000	0.000	0.000				20.343
	0.000						0.000

0.000	0.000	0.000	0.000				0.000
0.000	0.000	0.000	0.000				0.127
							0.058
							0.092
							0.043
							0.145
							0.145
							0.042
							0.000
							0.042
							0.000
							0.021
							0.000
							0.021
							0.000
							0.042
							0.000
							0.000
							0.000
							0.000
							0.000
							0.000
							0.000
							0.021
0.000	0.000	0.000	0.000				0.045
0.027	0.005	0.121	0.000				0.000
0.018	0.003	0.071	0.000				0.000
0.013	0.004	0.402	0.000				0.000
0.023	0.003	0.092	0.000				0.000
0.009	0.001	0.033	0.000				0.000
0.000	0.435	0.000	0.000				0.000
0.000	0.000	0.000	0.000				0.000
5.328	0.157	1.221	0.000				0.000
0.000	0.000	0.000	0.000				0.006

2019 True-Up Emissions (tons/yr)						
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**
5338.717	269.757	1410.106	0.021	0.000	0.000	0.000

nclude Growth?	**No**

2019 True-Up Emissions							
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**	
0.0000	1.5210	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000

0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.584
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.270
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.296
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	43.920
5337.0	259.0	1400.0	0.0000	0.0000	0.0000	0.0000	4.734
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	61.740
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.070
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.405
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.386
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.855
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.531
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.216
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.216
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.013
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.631
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.030
0.3339	0.0184	0.2805	0.0107	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.007
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.068
0.3339	0.0184	0.2805	0.0107	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.846
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.384
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.133
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.133
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.133
0.0000	3.1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.3540	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.459
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.297
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1632.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	28.656
0.0000	4.8330	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.108
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.126
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.189
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.090
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.145
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.145
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.042
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.042
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.021
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.021

0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.042
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.021
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.423
0.3611	0.0612	1.5921	0.0000	0.0000	0.0000	0.0000	0.000
0.2565	0.0378	1.0035	0.0000	0.0000	0.0000	0.0000	0.000
0.1926	0.0522	5.8284	0.0000	0.0000	0.0000	0.0000	0.000
0.2394	0.0360	1.1214	0.0000	0.0000	0.0000	0.0000	0.000
							0.000
0.0000	0.7200	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
							0.000
							0.000
							0.000

2019 Projected Emissions (tons/yr)						
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**
5338.717	269.757	1410.106	0.021	0.000	0.000	0.000

2019 Projected Emissions							
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**	
0	1.521	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	1.584
0	0	0	0	0	0	0	9.270
0	0	0	0	0	0	0	1.296
0	0	0	0	0	0	0	43.920
5337	259	1400	0	0	0	0	4.734
0	0	0	0	0	0	0	61.740
0	0	0	0	0	0	0	2.070
0	0	0	0	0	0	0	0.405
0	0	0	0	0	0	0	1.386
0	0	0	0	0	0	0	0.855
0	0	0	0	0	0	0	0.531
0	0	0	0	0	0	0	0.216
0	0	0	0	0	0	0	0.216

0	0	0	0	0	0	0	0.013
0	0	0	0	0	0	0	0.631
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.030
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.007
0	0	0	0	0	0	0	0.068
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.846
0	0	0	0	0	0	0	3.384
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	3.105	0	0	0	0	0	0.000
0	0.354049	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.459
0	0	0	0	0	0	0	9.297
0	0	0	0	0	0	0	1632.000
0	0	0	0	0	0	0	28.656
0	4.833	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.108
0	0	0	0	0	0	0	0.126
0	0	0	0	0	0	0	0.189
0	0	0	0	0	0	0	0.090
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.423
0.36108	0.0612	1.5921	0	0	0	0	0.000
0.2565	0.0378	1.0035	0	0	0	0	0.000
0.1926	0.0522	5.8284	0	0	0	0	0.000
0.2394	0.036	1.1214	0	0	0	0	0.000

0	0	0	0	0	0	0	0.000
0	0.72	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000

2024 Projected Emissions (tons/yr)						
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**
5338.717	269.757	1410.106	0.021	0.000	0.000	0.000

2024 Projected Emissions							
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**	
0	1.521	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	1.584
0	0	0	0	0	0	0	9.270
0	0	0	0	0	0	0	1.296
0	0	0	0	0	0	0	43.920
5337	259	1400	0	0	0	0	4.734
0	0	0	0	0	0	0	61.740
0	0	0	0	0	0	0	2.070
0	0	0	0	0	0	0	0.405
0	0	0	0	0	0	0	1.386
0	0	0	0	0	0	0	0.855
0	0	0	0	0	0	0	0.531
0	0	0	0	0	0	0	0.216
0	0	0	0	0	0	0	0.216
0	0	0	0	0	0	0	0.013
0	0	0	0	0	0	0	0.631
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.030
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.007
0	0	0	0	0	0	0	0.068
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.846
0	0	0	0	0	0	0	3.384
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	3.105	0	0	0	0	0	0.000
0	0.354049	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.459

0	0	0	0	0	0	0	9.297
0	0	0	0	0	0	0	1632.000
0	0	0	0	0	0	0	28.656
0	4.833	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.108
0	0	0	0	0	0	0	0.126
0	0	0	0	0	0	0	0.189
0	0	0	0	0	0	0	0.090
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.423
0.36108	0.0612	1.5921	0	0	0	0	0.000
0.2565	0.0378	1.0035	0	0	0	0	0.000
0.1926	0.0522	5.8284	0	0	0	0	0.000
0.2394	0.036	1.1214	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0.72	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000

2028 Projected Emissions (tons/yr)						
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**
5338.717	269.757	1410.106	0.021	0.000	0.000	0.000

2028 Projected Emissions							
NOx	VOC	CO	NH3	Benzene	Chlorine	HCl	
0	1.521	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	1.584
0	0	0	0	0	0	0	9.270
0	0	0	0	0	0	0	1.296
0	0	0	0	0	0	0	43.920
5337	259	1400	0	0	0	0	4.734
0	0	0	0	0	0	0	61.740
0	0	0	0	0	0	0	2.070
0	0	0	0	0	0	0	0.405
0	0	0	0	0	0	0	1.386
0	0	0	0	0	0	0	0.855
0	0	0	0	0	0	0	0.531
0	0	0	0	0	0	0	0.216
0	0	0	0	0	0	0	0.216
0	0	0	0	0	0	0	0.013
0	0	0	0	0	0	0	0.631
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.030
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.007
0	0	0	0	0	0	0	0.068
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.846
0	0	0	0	0	0	0	3.384
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	3.105	0	0	0	0	0	0.000
0	0.354049	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.459
0	0	0	0	0	0	0	9.297
0	0	0	0	0	0	0	1632.000
0	0	0	0	0	0	0	28.656
0	4.833	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.108
0	0	0	0	0	0	0	0.126
0	0	0	0	0	0	0	0.189
0	0	0	0	0	0	0	0.090
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021

0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.423
0.36108	0.0612	1.5921	0	0	0	0	0.000
0.2565	0.0378	1.0035	0	0	0	0	0.000
0.1926	0.0522	5.8284	0	0	0	0	0.000
0.2394	0.036	1.1214	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0.72	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000

2030 Projected Emissions (tons/yr)						
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**
5338.717	269.757	1410.106	0.021	0.000	0.000	0.000

2030 Projected Emissions							
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**	
0	1.521	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	1.584
0	0	0	0	0	0	0	9.270
0	0	0	0	0	0	0	1.296
0	0	0	0	0	0	0	43.920
5337	259	1400	0	0	0	0	4.734
0	0	0	0	0	0	0	61.740
0	0	0	0	0	0	0	2.070
0	0	0	0	0	0	0	0.405
0	0	0	0	0	0	0	1.386
0	0	0	0	0	0	0	0.855
0	0	0	0	0	0	0	0.531
0	0	0	0	0	0	0	0.216

0	0	0	0	0	0	0	0.216
0	0	0	0	0	0	0	0.013
0	0	0	0	0	0	0	0.631
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.030
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.007
0	0	0	0	0	0	0	0.068
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.846
0	0	0	0	0	0	0	3.384
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	3.105	0	0	0	0	0	0.000
0	0.354049	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.459
0	0	0	0	0	0	0	9.297
0	0	0	0	0	0	0	1632.000
0	0	0	0	0	0	0	28.656
0	4.833	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.108
0	0	0	0	0	0	0	0.126
0	0	0	0	0	0	0	0.189
0	0	0	0	0	0	0	0.090
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.423
0.36108	0.0612	1.5921	0	0	0	0	0.000
0.2565	0.0378	1.0035	0	0	0	0	0.000
0.1926	0.0522	5.8284	0	0	0	0	0.000

0.2394	0.036	1.1214	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0.72	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000

KUC - Bingham Canyon Mine - Recalculation of Current PTE Emissions

	Point Sources	Fugitive Sources	Mobile Sources	Total	Total	
PM_{10} Emissions (tpy)	7.44	1,100	579	1,686	1,686	
$PM_{2.5}$ Emissions (tpy)	2.26	121	562	685		685
SO_2 Emissions (tpy)	0.0001		116	116	116	
NO_X Emissions (tpy)	1.11		7,246	7,247	7,247	
CO Emissions (tpy)	1.2		4,351	4,352		
VOC Emissions (tpy)	0.20	13.43	933	947		
PM_{10}+SO_2+NO_X Emissions (tpy)	8.55			9,049	9,049	

Notes:
(1) PTE emissions re-estimated using 1999 data and most recent emission factors.
(2) Emissions for mobile sources estimated using the NONROAD program.

4.619079
0
0.317809
19.8551
0
0

24.79199

Company: Kennecott Utah Copper LLC- Mi
Site ID: 10571
Project: PM10 SIP
Date: 3/17/2015

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571
35	2	212234	1021	10571

ne & Copperton Concentrator

Site Name	Comp ID	Process ID	Process Code
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	65	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	66	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	871	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1123	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1124	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1125	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2017	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2018	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2019	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2020	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2021	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2026	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2027	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2028	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2034	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2035	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2036	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2037	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	3558	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4971	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4972	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4973	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4974	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4975	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4978	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5383	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5384	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	6957	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15240	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15241	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21077	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21078	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176981	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176982	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176983	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176988	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176989	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176990	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176991	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176992	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176993	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176994	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176996	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176997	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176998	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176999	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177000	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177001	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177002	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177537	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177538	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177539	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177540	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177541	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177542	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177578	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177709	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177710	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177711	1	a

Site Name	Comp ID	Process ID	Process Code
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	65	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	66	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	871	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1123	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1124	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1125	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2017	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2018	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2019	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2020	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2021	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2026	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2027	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2028	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2034	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2035	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2036	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2037	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	3558	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4971	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4972	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4973	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4974	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4975	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4978	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5383	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5384	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	6957	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15240	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15241	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21077	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21078	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176981	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176982	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176983	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176988	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176989	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176990	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176991	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176992	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176993	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176994	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176996	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176997	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176998	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176999	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177000	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177001	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177002	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177537	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177538	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177539	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177540	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177541	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177542	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177578	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177709	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177710	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177711	1	a

Site Name	Comp ID	Process ID	Process Code
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	65	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	66	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	871	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1123	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1124	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1125	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2017	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2018	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2019	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2020	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2021	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2026	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2027	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2028	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2034	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2035	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2036	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2037	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	3558	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4971	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4972	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4973	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4974	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4975	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4978	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5383	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5384	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	6957	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15240	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15241	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21077	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21078	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176981	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176982	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176983	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176988	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176989	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176990	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176991	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176992	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176993	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176994	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176996	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176997	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176998	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176999	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177000	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177001	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177002	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177537	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177538	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177539	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177540	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177541	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177542	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177578	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177709	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177710	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177711	1	a

Site Name	Comp ID	Process ID	Process Code
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	65	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	66	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	871	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1123	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1124	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1125	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2017	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2018	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2019	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2020	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2021	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2026	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2027	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2028	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2034	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2035	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2036	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2037	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	3558	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4971	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4972	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4973	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4974	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4975	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4978	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5383	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5384	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	6957	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15240	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15241	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21077	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21078	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176981	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176982	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176983	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176988	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176989	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176990	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176991	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176992	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176993	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176994	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176996	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176997	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176998	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176999	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177000	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177001	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177002	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177537	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177538	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177539	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177540	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177541	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177542	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177578	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177709	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177710	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177711	1	a

Site Name	Comp ID	Process ID	Process Code
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	65	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	66	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	871	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1123	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1124	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1125	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2017	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2018	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2019	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2020	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2021	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2026	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2027	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2028	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2034	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2035	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2036	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2037	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	3558	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4971	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4972	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4973	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4974	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4975	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4978	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5383	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5384	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	6957	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15240	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15241	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21077	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21078	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176981	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176982	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176983	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176988	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176989	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176990	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176991	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176992	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176993	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176994	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176996	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176997	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176998	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176999	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177000	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177001	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177002	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177537	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177538	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177539	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177540	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177541	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177542	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177578	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177709	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177710	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177711	1	a

Site Name	Comp ID	Process ID	Process Code
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	65	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	66	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	871	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1123	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1124	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	1125	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2017	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2018	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2019	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2020	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2021	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2026	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2027	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2028	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2034	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2035	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2036	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	2037	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	3558	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4971	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4972	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4973	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4974	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4975	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4978	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	4995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5383	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	5384	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	6957	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15240	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	15241	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21077	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	21078	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176981	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176982	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176983	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176984	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176985	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176986	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176987	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176988	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176989	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176990	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176991	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176992	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176993	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176994	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176995	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176996	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176997	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176998	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	176999	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177000	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177001	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177002	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177537	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177538	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177539	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177540	1	a

Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177541	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177542	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177578	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177709	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177710	1	a
Kennecott Utah Copper LLC- Mine & Copperton Concentrator	177711	1	a

Component Description	Material or Fuel	Component SCC	ID	Height
Cold Solvent Degreasing Parts	Degreaser	40100398	926705	10
(3)Cold Solv. Degreas. Washers	Degreaser	40100398	926706	10
Storage Pile	Copper Ore	30302404	927477	10
Front End Loaders	Copper Ore	30532006	927590	10
Truck Loading	Copper Ore	30532006	927591	10
End Dump Trucks	Copper Ore	30532006	927592	10
Diesel Engines	Distillate Oil (No. 2)	2270002000	927593	10
Graders	Diesel	30501047	927729	10
Bulldozers (Track Type)	Copper Ore	30532006	927730	10
Wheeled Dozers	Copper Ore	30532006	927731	10
In-Pit Crusher	Copper Ore	30302401	1286	39
C6/C7 Conveyor Transfer Point	Copper Ore	30302402	1287	38
C6/C8 Conveyor Transfer Point	Copper Ore	30302404	1288	37
Lime Bin	Lime	30510205	1289	30
Lime Bin	Lime	30510205	1290	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1297	115
Mo Storage Bins	Molybdenum (Mo)	30399999	1298	30
Mo Load (drums)	Molybdenum Disulfide	30399999	1299	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1304	100
Prod Dryer Heater	Natural Gas	30399999	1305	100
Molly Vacuum	Molybdenum Disulfide	30399999	1306	100
Mo Load (bags)	Molybdenum Disulfide	30399999	1308	30
Prd Dryer Heater	Natural Gas	30399999	1301	115
Truck Dump Ore @ In-pit Crusher	Copper Ore	30532001	930800	10
In-Pit Enclosed Transfer Points 1,2 & 3	Copper Ore	30532006	930801	10
Conveyor-Stacker Transfer Point	Copper Ore	30532006	930802	10
Coarse Ore Stacker	Copper Ore	30532006	930803	10
Reclaim Tunnels	Copper Ore	30532006	930804	10
Gasoline Fueling	Gasoline	40600499	930807	10
Gasoline Fueling	Gasoline	40600499	930824	10
Drilling with Water Injection	Copper Ore	30502010	931211	10
Blasting with minimized area	Copper Ore	30502009	931212	10
Gravel	Vehicle Miles Traveled	30300519	932776	10
Disturbed Areas	Copper Ore	30501049	940642	10
SXEW Copper Extraction	Liquid	30400299	940643	10

Sand Tower	Copper Ore	30399999	946196	10
Sample Preparation	Copper Ore	30399999	946197	10
Tertiary Crushing	Aggregate	30532003	965466	10
Screening	Aggregate	30532003	965467	10
Transfer Points	Aggregate	30532006	965468	10
Pebble Crushing in Crusher CR-01	Aggregate	30532003	965469	10
Pebble Crushing in Crusher CR-02	Aggregate	30532003	965470	10
Transfer from CNV CV-04 onto CNV CV-05	Aggregate	30532006	965471	10
Transfer from CNV CV-05 into Crushed Pe	Aggregate	30532006	965472	10
Transfer from SAG No. 1 Belt Feeder FE-0	Aggregate	30532006	965473	10
Transfer from CNV CV-11 to SAG 1 Feed (	Aggregate	30532006	965474	10
Transfer from SAG No. 2 Belt Feeder FE-0	Aggregate	30532006	965475	10
Transfer from CNV CV-10 to SAG 2 Feed (	Aggregate	30532006	965476	10
Transfer from SAG No. 3 Belt Feeder FE-0	Aggregate	30532006	965477	10
Transfer from CNV CV-09 to SAG 3 Feed (	Aggregate	30532006	965478	10
Transfer from SAG No. 4 Belt Feeder FE-0	Aggregate	30532006	965479	10
Transfer from CNV CV-08 to SAG 4 Feed (	Aggregate	30532006	965480	10
Transfer onto CNV CV-02	Aggregate	30532006	965481	10
Transfer from CNV CV-02 onto CNV CV-03	Aggregate	30532006	965482	10
Transfer from CNV CV-03 into the Surge B	Aggregate	30532006	965483	10
Transfer from Belt Feeders FE-02 and FE-	Aggregate	30532006	965484	10
Transfer from bottom of crushers CR-01 ar	Aggregate	30532006	965485	10
Transfer from CNV CV-03 into the Surge B	Aggregate	30532006	965486	10
Transfer from Belt Feeders FE-07 onto CN	Aggregate	30532006	965487	10
Truck Offloading Ore Stockpile	Copper Ore	30532001	965764	10
Truck Dispatch EG @ 6190	Liquified Petroleum Ga	20201001	178819	10
Communications EG at 6190	Liquified Petroleum Ga	20201001	178820	10
EmResp EG at Lark Gate	Liquified Petroleum Ga	20201001	178821	10
Galena Gulch	Liquified Petroleum Ga	20201001	178822	10
Dinkyville Hill	Liquified Petroleum Ga	20201001	178823	10
Diesel Fueling	Gasoline	40600499	965776	10
Hydraulic Roll Press	Copper Ore	30300599	178912	100
Portable Air Compressor	Liquified Petroleum Ga	20201001	178913	10
Transfer Point 2011	Copper Ore	30302404	178914	37

Component Description	Material or Fuel	Component SCC	ID	Height
Cold Solvent Degreasing Parts	Degreaser	40100398	926705	10
(3)Cold Solv. Degreas. Washers	Degreaser	40100398	926706	10

Storage Pile	Copper Ore	30302404	927477	10
Front End Loaders	Copper Ore	30532006	927590	10
Truck Loading	Copper Ore	30532006	927591	10
End Dump Trucks	Copper Ore	30532006	927592	10
Diesel Engines	Distillate Oil (No. 2)	2270002000	927593	10
Graders	Diesel	30501047	927729	10
Bulldozers (Track Type)	Copper Ore	30532006	927730	10
Wheeled Dozers	Copper Ore	30532006	927731	10
In-Pit Crusher	Copper Ore	30302401	1286	39
C6/C7 Conveyor Transfer Point	Copper Ore	30302402	1287	38
C6/C8 Conveyor Transfer Point	Copper Ore	30302404	1288	37
Lime Bin	Lime	30510205	1289	30
Lime Bin	Lime	30510205	1290	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1297	115
Mo Storage Bins	Molybdenum (Mo)	30399999	1298	30
Mo Load (drums)	Molybdenum Disulfide	30399999	1299	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1304	100
Prod Dryer Heater	Natural Gas	30399999	1305	100
Molly Vacuum	Molybdenum Disulfide	30399999	1306	100
Mo Load (bags)	Molybdenum Disulfide	30399999	1308	30
Prd Dryer Heater	Natural Gas	30399999	1301	115
Truck Dump Ore @ In-pit Crusher	Copper Ore	30532001	930800	10
In-Pit Enclosed Transfer Points 1,2 & 3	Copper Ore	30532006	930801	10
Conveyor-Stacker Transfer Point	Copper Ore	30532006	930802	10
Coarse Ore Stacker	Copper Ore	30532006	930803	10
Reclaim Tunnels	Copper Ore	30532006	930804	10
Gasoline Fueling	Gasoline	40600499	930807	10
Gasoline Fueling	Gasoline	40600499	930824	10
Drilling with Water Injection	Copper Ore	30502010	931211	10
Blasting with minimized area	Copper Ore	30502009	931212	10
Gravel	hicle Miles Traveled (VI	30300519	932776	10
Disturbed Areas	Copper Ore	30501049	940642	10
SXEW Copper Extraction	Liquid	30400299	940643	10
Sand Tower	Copper Ore	30399999	946196	10
Sample Preparation	Copper Ore	30399999	946197	10
Tertiary Crushing	Aggregate	30532003	965466	10
Screening	Aggregate	30532003	965467	10
Transfer Points	Aggregate	30532006	965468	10
Pebble Crushing in Crusher CR-01	Aggregate	30532003	965469	10
Pebble Crushing in Crusher CR-02	Aggregate	30532003	965470	10
Transfer from CNV CV-04 onto CNV CV-05	Aggregate	30532006	965471	10
om CNV CV-05 into Crushed Pebble Surge	Aggregate	30532006	965472	10
G No. 1 Belt Feeder FE-03 onto CNV CV-0	Aggregate	30532006	965473	10
ansfer from CNV CV-11 to SAG 1 Feed Chu	Aggregate	30532006	965474	10
from SAG No. 2 Belt Feeder FE-04 onto CN	Aggregate	30532006	965475	10
ansfer from CNV CV-10 to SAG 2 Feed Chu	Aggregate	30532006	965476	10
from SAG No. 3 Belt Feeder FE-05 onto CN	Aggregate	30532006	965477	10

ansfer from CNV CV-09 to SAG 3 Feed Chu	Aggregate	30532006	965478	10
G No. 4 Belt Feeder FE-06 onto CNV CV-0	Aggregate	30532006	965479	10
ansfer from CNV CV-08 to SAG 4 Feed Chu	Aggregate	30532006	965480	10
Transfer onto CNV CV-02	Aggregate	30532006	965481	10
Transfer from CNV CV-02 onto CNV CV-03	Aggregate	30532006	965482	10
nsfer from CNV CV-03 into the Surge Bin B	Aggregate	30532006	965483	10
lt Feeders FE-02 and FE-01 into crushers C	Aggregate	30532006	965484	10
n bottom of crushers CR-01 and CR-02 onto	Aggregate	30532006	965485	10
nsfer from CNV CV-03 into the Surge Bin B	Aggregate	30532006	965486	10
nsfer from Belt Feeders FE-07 onto CNV CV	Aggregate	30532006	965487	10
Truck Offloading Ore Stockpile	Copper Ore	30532001	965764	10
Truck Dispatch EG @ 6190	ified Petroleum Gas (L	20201001	178819	10
Communications EG at 6190	ified Petroleum Gas (L	20201001	178820	10
EmResp EG at Lark Gate	ified Petroleum Gas (L	20201001	178821	10
Galena Gulch	ified Petroleum Gas (L	20201001	178822	10
Dinkyville Hill	ified Petroleum Gas (L	20201001	178823	10
Diesel Fueling	Gasoline	40600499	965776	10
Hydraulic Roll Press	Copper Ore	30300599	178912	100
Portable Air Compressor	ified Petroleum Gas (L	20201001	178913	10
Transfer Point 2011	Copper Ore	30302404	178914	37

Component Description	Material or Fuel	Component SCC	ID	Height
Cold Solvent Degreasing Parts	Degreaser	40100398	926705	10
(3)Cold Solv. Degreas. Washers	Degreaser	40100398	926706	10
Storage Pile	Copper Ore	30302404	927477	10
Front End Loaders	Copper Ore	30532006	927590	10
Truck Loading	Copper Ore	30532006	927591	10
End Dump Trucks	Copper Ore	30532006	927592	10
Diesel Engines	Distillate Oil (No. 2)	2270002000	927593	10
Graders	Diesel	30501047	927729	10
Bulldozers (Track Type)	Copper Ore	30532006	927730	10
Wheeled Dozers	Copper Ore	30532006	927731	10
In-Pit Crusher	Copper Ore	30302401	1286	39
C6/C7 Conveyor Transfer Point	Copper Ore	30302402	1287	38
C6/C8 Conveyor Transfer Point	Copper Ore	30302404	1288	37
Lime Bin	Lime	30510205	1289	30
Lime Bin	Lime	30510205	1290	30

Prod Moly Dryer	Molybdenum Disulfide	30399999	1297	115
Mo Storage Bins	Molybdenum (Mo)	30399999	1298	30
Mo Load (drums)	Molybdenum Disulfide	30399999	1299	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1304	100
Prod Dryer Heater	Natural Gas	30399999	1305	100
Molly Vacuum	Molybdenum Disulfide	30399999	1306	100
Mo Load (bags)	Molybdenum Disulfide	30399999	1308	30
Prd Dryer Heater	Natural Gas	30399999	1301	115
Truck Dump Ore @ In-pit Crusher	Copper Ore	30532001	930800	10
In-Pit Enclosed Transfer Points 1,2 & 3	Copper Ore	30532006	930801	10
Conveyor-Stacker Transfer Point	Copper Ore	30532006	930802	10
Coarse Ore Stacker	Copper Ore	30532006	930803	10
Reclaim Tunnels	Copper Ore	30532006	930804	10
Gasoline Fueling	Gasoline	40600499	930807	10
Gasoline Fueling	Gasoline	40600499	930824	10
Drilling with Water Injection	Copper Ore	30502010	931211	10
Blasting with minimized area	Copper Ore	30502009	931212	10
Gravel	hicle Miles Traveled (VI	30300519	932776	10
Disturbed Areas	Copper Ore	30501049	940642	10
SXEW Copper Extraction	Liquid	30400299	940643	10
Sand Tower	Copper Ore	30399999	946196	10
Sample Preparation	Copper Ore	30399999	946197	10
Tertiary Crushing	Aggregate	30532003	965466	10
Screening	Aggregate	30532003	965467	10
Transfer Points	Aggregate	30532006	965468	10
Pebble Crushing in Crusher CR-01	Aggregate	30532003	965469	10
Pebble Crushing in Crusher CR-02	Aggregate	30532003	965470	10
Transfer from CNV CV-04 onto CNV CV-05	Aggregate	30532006	965471	10
om CNV CV-05 into Crushed Pebble Surge	Aggregate	30532006	965472	10
G No. 1 Belt Feeder FE-03 onto CNV CV-0	Aggregate	30532006	965473	10
ansfer from CNV CV-11 to SAG 1 Feed Chu	Aggregate	30532006	965474	10
from SAG No. 2 Belt Feeder FE-04 onto CN	Aggregate	30532006	965475	10
ansfer from CNV CV-10 to SAG 2 Feed Chu	Aggregate	30532006	965476	10
from SAG No. 3 Belt Feeder FE-05 onto CN	Aggregate	30532006	965477	10
ansfer from CNV CV-09 to SAG 3 Feed Chu	Aggregate	30532006	965478	10
G No. 4 Belt Feeder FE-06 onto CNV CV-0	Aggregate	30532006	965479	10
ansfer from CNV CV-08 to SAG 4 Feed Chu	Aggregate	30532006	965480	10
Transfer onto CNV CV-02	Aggregate	30532006	965481	10
Transfer from CNV CV-02 onto CNV CV-03	Aggregate	30532006	965482	10
nsfer from CNV CV-03 into the Surge Bin BI	Aggregate	30532006	965483	10
lt Feeders FE-02 and FE-01 into crushers C	Aggregate	30532006	965484	10
n bottom of crushers CR-01 and CR-02 onto	Aggregate	30532006	965485	10
nsfer from CNV CV-03 into the Surge Bin BI	Aggregate	30532006	965486	10
nsfer from Belt Feeders FE-07 onto CNV CV	Aggregate	30532006	965487	10
Truck Offloading Ore Stockpile	Copper Ore	30532001	965764	10
Truck Dispatch EG @ 6190	ified Petroleum Gas (L	20201001	178819	10
Communications EG at 6190	ified Petroleum Gas (L	20201001	178820	10
EmResp EG at Lark Gate	ified Petroleum Gas (L	20201001	178821	10
Galena Gulch	ified Petroleum Gas (L	20201001	178822	10

Dinkyville Hill	ified Petroleum Gas (L	20201001	178823	10
Diesel Fueling	Gasoline	40600499	965776	10
Hydraulic Roll Press	Copper Ore	30300599	178912	100
Portable Air Compressor	ified Petroleum Gas (L	20201001	178913	10
Transfer Point 2011	Copper Ore	30302404	178914	37

Component Description	Material or Fuel	Component SCC		
			ID	Height
Cold Solvent Degreasing Parts	Degreaser	40100398	926705	10
(3)Cold Solv. Degreas. Washers	Degreaser	40100398	926706	10
Storage Pile	Copper Ore	30302404	927477	10
Front End Loaders	Copper Ore	30532006	927590	10
Truck Loading	Copper Ore	30532006	927591	10
End Dump Trucks	Copper Ore	30532006	927592	10
Diesel Engines	Distillate Oil (No. 2)	2270002000	927593	10
Graders	Diesel	30501047	927729	10
Bulldozers (Track Type)	Copper Ore	30532006	927730	10
Wheeled Dozers	Copper Ore	30532006	927731	10
In-Pit Crusher	Copper Ore	30302401	1286	39
C6/C7 Conveyor Transfer Point	Copper Ore	30302402	1287	38
C6/C8 Conveyor Transfer Point	Copper Ore	30302404	1288	37
Lime Bin	Lime	30510205	1289	30
Lime Bin	Lime	30510205	1290	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1297	115
Mo Storage Bins	Molybdenum (Mo)	30399999	1298	30
Mo Load (drums)	Molybdenum Disulfide	30399999	1299	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1304	100
Prod Dryer Heater	Natural Gas	30399999	1305	100
Molly Vacuum	Molybdenum Disulfide	30399999	1306	100
Mo Load (bags)	Molybdenum Disulfide	30399999	1308	30
Prd Dryer Heater	Natural Gas	30399999	1301	115
Truck Dump Ore @ In-pit Crusher	Copper Ore	30532001	930800	10
In-Pit Enclosed Transfer Points 1,2 & 3	Copper Ore	30532006	930801	10
Conveyor-Stacker Transfer Point	Copper Ore	30532006	930802	10
Coarse Ore Stacker	Copper Ore	30532006	930803	10
Reclaim Tunnels	Copper Ore	30532006	930804	10
Gasoline Fueling	Gasoline	40600499	930807	10
Gasoline Fueling	Gasoline	40600499	930824	10
Drilling with Water Injection	Copper Ore	30502010	931211	10

Blasting with minimized area	Copper Ore	30502009	931212	10
Gravel	hicle Miles Traveled (VI	30300519	932776	10
Disturbed Areas	Copper Ore	30501049	940642	10
SXEW Copper Extraction	Liquid	30400299	940643	10
Sand Tower	Copper Ore	30399999	946196	10
Sample Preparation	Copper Ore	30399999	946197	10
Tertiary Crushing	Aggregate	30532003	965466	10
Screening	Aggregate	30532003	965467	10
Transfer Points	Aggregate	30532006	965468	10
Pebble Crushing in Crusher CR-01	Aggregate	30532003	965469	10
Pebble Crushing in Crusher CR-02	Aggregate	30532003	965470	10
Transfer from CNV CV-04 onto CNV CV-05	Aggregate	30532006	965471	10
om CNV CV-05 into Crushed Pebble Surge	Aggregate	30532006	965472	10
G No. 1 Belt Feeder FE-03 onto CNV CV-0	Aggregate	30532006	965473	10
ansfer from CNV CV-11 to SAG 1 Feed Chu	Aggregate	30532006	965474	10
from SAG No. 2 Belt Feeder FE-04 onto CN	Aggregate	30532006	965475	10
ansfer from CNV CV-10 to SAG 2 Feed Chu	Aggregate	30532006	965476	10
from SAG No. 3 Belt Feeder FE-05 onto CN	Aggregate	30532006	965477	10
ansfer from CNV CV-09 to SAG 3 Feed Chu	Aggregate	30532006	965478	10
G No. 4 Belt Feeder FE-06 onto CNV CV-0	Aggregate	30532006	965479	10
ansfer from CNV CV-08 to SAG 4 Feed Chu	Aggregate	30532006	965480	10
Transfer onto CNV CV-02	Aggregate	30532006	965481	10
Transfer from CNV CV-02 onto CNV CV-03	Aggregate	30532006	965482	10
nsfer from CNV CV-03 into the Surge Bin BI	Aggregate	30532006	965483	10
lt Feeders FE-02 and FE-01 into crushers C	Aggregate	30532006	965484	10
n bottom of crushers CR-01 and CR-02 onto	Aggregate	30532006	965485	10
nsfer from CNV CV-03 into the Surge Bin BI	Aggregate	30532006	965486	10
nsfer from Belt Feeders FE-07 onto CNV CV	Aggregate	30532006	965487	10
Truck Offloading Ore Stockpile	Copper Ore	30532001	965764	10
Truck Dispatch EG @ 6190	ified Petroleum Gas (L	20201001	178819	10
Communications EG at 6190	ified Petroleum Gas (L	20201001	178820	10
EmResp EG at Lark Gate	ified Petroleum Gas (L	20201001	178821	10
Galena Gulch	ified Petroleum Gas (L	20201001	178822	10
Dinkyville Hill	ified Petroleum Gas (L	20201001	178823	10
Diesel Fueling	Gasoline	40600499	965776	10
Hydraulic Roll Press	Copper Ore	30300599	178912	100
Portable Air Compressor	ified Petroleum Gas (L	20201001	178913	10
Transfer Point 2011	Copper Ore	30302404	178914	37

Component Description	Material or Fuel	Component SCC		
			ID	Height
Cold Solvent Degreasing Parts	Degreaser	40100398	926705	10
(3)Cold Solv. Degreas. Washers	Degreaser	40100398	926706	10
Storage Pile	Copper Ore	30302404	927477	10
Front End Loaders	Copper Ore	30532006	927590	10
Truck Loading	Copper Ore	30532006	927591	10
End Dump Trucks	Copper Ore	30532006	927592	10
Diesel Engines	Distillate Oil (No. 2)	2270002000	927593	10
Graders	Diesel	30501047	927729	10
Bulldozers (Track Type)	Copper Ore	30532006	927730	10
Wheeled Dozers	Copper Ore	30532006	927731	10
In-Pit Crusher	Copper Ore	30302401	1286	39
C6/C7 Conveyor Transfer Point	Copper Ore	30302402	1287	38
C6/C8 Conveyor Transfer Point	Copper Ore	30302404	1288	37
Lime Bin	Lime	30510205	1289	30
Lime Bin	Lime	30510205	1290	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1297	115
Mo Storage Bins	Molybdenum (Mo)	30399999	1298	30
Mo Load (drums)	Molybdenum Disulfide	30399999	1299	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1304	100
Prod Dryer Heater	Natural Gas	30399999	1305	100
Molly Vacuum	Molybdenum Disulfide	30399999	1306	100
Mo Load (bags)	Molybdenum Disulfide	30399999	1308	30
Prd Dryer Heater	Natural Gas	30399999	1301	115
Truck Dump Ore @ In-pit Crusher	Copper Ore	30532001	930800	10
In-Pit Enclosed Transfer Points 1,2 & 3	Copper Ore	30532006	930801	10
Conveyor-Stacker Transfer Point	Copper Ore	30532006	930802	10
Coarse Ore Stacker	Copper Ore	30532006	930803	10
Reclaim Tunnels	Copper Ore	30532006	930804	10
Gasoline Fueling	Gasoline	40600499	930807	10
Gasoline Fueling	Gasoline	40600499	930824	10
Drilling with Water Injection	Copper Ore	30502010	931211	10
Blasting with minimized area	Copper Ore	30502009	931212	10
Gravel	hicle Miles Traveled (VI	30300519	932776	10
Disturbed Areas	Copper Ore	30501049	940642	10
SXEW Copper Extraction	Liquid	30400299	940643	10
Sand Tower	Copper Ore	30399999	946196	10
Sample Preparation	Copper Ore	30399999	946197	10
Tertiary Crushing	Aggregate	30532003	965466	10
Screening	Aggregate	30532003	965467	10
Transfer Points	Aggregate	30532006	965468	10
Pebble Crushing in Crusher CR-01	Aggregate	30532003	965469	10
Pebble Crushing in Crusher CR-02	Aggregate	30532003	965470	10
Transfer from CNV CV-04 onto CNV CV-05	Aggregate	30532006	965471	10
om CNV CV-05 into Crushed Pebble Surge	Aggregate	30532006	965472	10
G No. 1 Belt Feeder FE-03 onto CNV CV-0	Aggregate	30532006	965473	10
ansfer from CNV CV-11 to SAG 1 Feed Chu	Aggregate	30532006	965474	10
from SAG No. 2 Belt Feeder FE-04 onto CN	Aggregate	30532006	965475	10

ansfer from CNV CV-10 to SAG 2 Feed Chu	Aggregate	30532006	965476	10
from SAG No. 3 Belt Feeder FE-05 onto CN	Aggregate	30532006	965477	10
ansfer from CNV CV-09 to SAG 3 Feed Chu	Aggregate	30532006	965478	10
G No. 4 Belt Feeder FE-06 onto CNV CV-07	Aggregate	30532006	965479	10
ansfer from CNV CV-08 to SAG 4 Feed Chu	Aggregate	30532006	965480	10
Transfer onto CNV CV-02	Aggregate	30532006	965481	10
Transfer from CNV CV-02 onto CNV CV-03	Aggregate	30532006	965482	10
nsfer from CNV CV-03 into the Surge Bin BN	Aggregate	30532006	965483	10
lt Feeders FE-02 and FE-01 into crushers C	Aggregate	30532006	965484	10
n bottom of crushers CR-01 and CR-02 onto	Aggregate	30532006	965485	10
nsfer from CNV CV-03 into the Surge Bin BN	Aggregate	30532006	965486	10
nsfer from Belt Feeders FE-07 onto CNV CV	Aggregate	30532006	965487	10
Truck Offloading Ore Stockpile	Copper Ore	30532001	965764	10
Truck Dispatch EG @ 6190	ified Petroleum Gas (L	20201001	178819	10
Communications EG at 6190	ified Petroleum Gas (L	20201001	178820	10
EmResp EG at Lark Gate	ified Petroleum Gas (L	20201001	178821	10
Galena Gulch	ified Petroleum Gas (L	20201001	178822	10
Dinkyville Hill	ified Petroleum Gas (L	20201001	178823	10
Diesel Fueling	Gasoline	40600499	965776	10
Hydraulic Roll Press	Copper Ore	30300599	178912	100
Portable Air Compressor	ified Petroleum Gas (L	20201001	178913	10
Transfer Point 2011	Copper Ore	30302404	178914	37

Component Description	Material or Fuel	Component SCC	ID	Height
Cold Solvent Degreasing Parts	Degreaser	40100398	926705	10
(3)Cold Solv. Degreas. Washers	Degreaser	40100398	926706	10
Storage Pile	Copper Ore	30302404	927477	10
Front End Loaders	Copper Ore	30532006	927590	10
Truck Loading	Copper Ore	30532006	927591	10
End Dump Trucks	Copper Ore	30532006	927592	10
Diesel Engines	Distillate Oil (No. 2)	2270002000	927593	10
Graders	Diesel	30501047	927729	10
Bulldozers (Track Type)	Copper Ore	30532006	927730	10
Wheeled Dozers	Copper Ore	30532006	927731	10
In-Pit Crusher	Copper Ore	30302401	1286	39
C6/C7 Conveyor Transfer Point	Copper Ore	30302402	1287	38
C6/C8 Conveyor Transfer Point	Copper Ore	30302404	1288	37
Lime Bin	Lime	30510205	1289	30

Lime Bin	Lime	30510205	1290	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1297	115
Mo Storage Bins	Molybdenum (Mo)	30399999	1298	30
Mo Load (drums)	Molybdenum Disulfide	30399999	1299	30
Prod Moly Dryer	Molybdenum Disulfide	30399999	1304	100
Prod Dryer Heater	Natural Gas	30399999	1305	100
Molly Vacuum	Molybdenum Disulfide	30399999	1306	100
Mo Load (bags)	Molybdenum Disulfide	30399999	1308	30
Prd Dryer Heater	Natural Gas	30399999	1301	115
Truck Dump Ore @ In-pit Crusher	Copper Ore	30532001	930800	10
In-Pit Enclosed Transfer Points 1,2 & 3	Copper Ore	30532006	930801	10
Conveyor-Stacker Transfer Point	Copper Ore	30532006	930802	10
Coarse Ore Stacker	Copper Ore	30532006	930803	10
Reclaim Tunnels	Copper Ore	30532006	930804	10
Gasoline Fueling	Gasoline	40600499	930807	10
Gasoline Fueling	Gasoline	40600499	930824	10
Drilling with Water Injection	Copper Ore	30502010	931211	10
Blasting with minimized area	Copper Ore	30502009	931212	10
Gravel	hicle Miles Traveled (VI	30300519	932776	10
Disturbed Areas	Copper Ore	30501049	940642	10
SXEW Copper Extraction	Liquid	30400299	940643	10
Sand Tower	Copper Ore	30399999	946196	10
Sample Preparation	Copper Ore	30399999	946197	10
Tertiary Crushing	Aggregate	30532003	965466	10
Screening	Aggregate	30532003	965467	10
Transfer Points	Aggregate	30532006	965468	10
Pebble Crushing in Crusher CR-01	Aggregate	30532003	965469	10
Pebble Crushing in Crusher CR-02	Aggregate	30532003	965470	10
Transfer from CNV CV-04 onto CNV CV-05	Aggregate	30532006	965471	10
om CNV CV-05 into Crushed Pebble Surge	Aggregate	30532006	965472	10
G No. 1 Belt Feeder FE-03 onto CNV CV-0	Aggregate	30532006	965473	10
ansfer from CNV CV-11 to SAG 1 Feed Chu	Aggregate	30532006	965474	10
from SAG No. 2 Belt Feeder FE-04 onto CN	Aggregate	30532006	965475	10
ansfer from CNV CV-10 to SAG 2 Feed Chu	Aggregate	30532006	965476	10
from SAG No. 3 Belt Feeder FE-05 onto CN	Aggregate	30532006	965477	10
ansfer from CNV CV-09 to SAG 3 Feed Chu	Aggregate	30532006	965478	10
G No. 4 Belt Feeder FE-06 onto CNV CV-0	Aggregate	30532006	965479	10
ansfer from CNV CV-08 to SAG 4 Feed Chu	Aggregate	30532006	965480	10
Transfer onto CNV CV-02	Aggregate	30532006	965481	10
Transfer from CNV CV-02 onto CNV CV-03	Aggregate	30532006	965482	10
nsfer from CNV CV-03 into the Surge Bin BI	Aggregate	30532006	965483	10
lt Feeders FE-02 and FE-01 into crushers C	Aggregate	30532006	965484	10
n bottom of crushers CR-01 and CR-02 onto	Aggregate	30532006	965485	10
nsfer from CNV CV-03 into the Surge Bin BI	Aggregate	30532006	965486	10
nsfer from Belt Feeders FE-07 onto CNV CV	Aggregate	30532006	965487	10
Truck Offloading Ore Stockpile	Copper Ore	30532001	965764	10
Truck Dispatch EG @ 6190	ified Petroleum Gas (L	20201001	178819	10
Communications EG at 6190	ified Petroleum Gas (L	20201001	178820	10
EmResp EG at Lark Gate	ified Petroleum Gas (L	20201001	178821	10

Galena Gulch	ified Petroleum Gas (L	20201001	178822	10
Dinkyville Hill	ified Petroleum Gas (L	20201001	178823	10
Diesel Fueling	Gasoline	40600499	965776	10
Hydraulic Roll Press	Copper Ore	30300599	178912	100
Portable Air Compressor	ified Petroleum Gas (L	20201001	178913	10
Transfer Point 2011	Copper Ore	30302404	178914	37

Stack					Location			
Diameter	Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk
0	72	0	0	0	40.59403	-112.1251	5	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
2.38	83	192	4.448809	43.06	40.59403	-112.1251	24	7
1.54	78	101	1.86265	53.92	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
1	65	15	0.785398	19.44	40.59403	-112.1251	24	7
1	80	25	0.785398	31.83	40.59403	-112.1251	24	7
1	80	9	0.785398	11.46	40.59403	-112.1251	0	0
0.96	108	18	0.723823	25.26	40.59403	-112.1251	24	7
1	300	7.85	0.785398	10	40.59403	-112.1251	24	7
1	80	4	0.785398	5.09	40.59403	-112.1251	2	7
1	80	8	0.785398	10.19	40.59403	-112.1251	24	7
0.8	300	1.31	0.502655	2.6	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	2	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	0	0

0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	8	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
1	80	4	0.785398	5.09	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7

Stack					Location			
Diameter	Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk
0	72	0	0	0	40.59403	-112.1251	5	7
0	72	0	0	0	40.59403	-112.1251	1	7

0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
2.38	83	192	4.448809	43.06	40.59403	-112.1251	24	7
1.54	78	101	1.86265	53.92	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
1	65	15	0.785398	19.44	40.59403	-112.1251	24	7
1	80	25	0.785398	31.83	40.59403	-112.1251	24	7
1	80	9	0.785398	11.46	40.59403	-112.1251	0	0
0.96	108	18	0.723823	25.26	40.59403	-112.1251	24	7
1	300	7.85	0.785398	10	40.59403	-112.1251	24	7
1	80	4	0.785398	5.09	40.59403	-112.1251	2	7
1	80	8	0.785398	10.19	40.59403	-112.1251	24	7
0.8	300	1.31	0.502655	2.6	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	2	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	8	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7

0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
1	80	4	0.785398	5.09	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7

Stack					Location			
Diameter	Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk
0	72	0	0	0	40.59403	-112.1251	5	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
2.38	83	192	4.448809	43.06	40.59403	-112.1251	24	7
1.54	78	101	1.86265	53.92	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7

1	65	15	0.785398	19.44	40.59403	-112.1251	24	7
1	80	25	0.785398	31.83	40.59403	-112.1251	24	7
1	80	9	0.785398	11.46	40.59403	-112.1251	0	0
0.96	108	18	0.723823	25.26	40.59403	-112.1251	24	7
1	300	7.85	0.785398	10	40.59403	-112.1251	24	7
1	80	4	0.785398	5.09	40.59403	-112.1251	2	7
1	80	8	0.785398	10.19	40.59403	-112.1251	24	7
0.8	300	1.31	0.502655	2.6	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	2	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	8	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7

1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
1	80	4	0.785398	5.09	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7

Stack					Location			
Diameter	Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk
0	72	0	0	0	40.59403	-112.1251	5	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
2.38	83	192	4.448809	43.06	40.59403	-112.1251	24	7
1.54	78	101	1.86265	53.92	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
1	65	15	0.785398	19.44	40.59403	-112.1251	24	7
1	80	25	0.785398	31.83	40.59403	-112.1251	24	7
1	80	9	0.785398	11.46	40.59403	-112.1251	0	0
0.96	108	18	0.723823	25.26	40.59403	-112.1251	24	7
1	300	7.85	0.785398	10	40.59403	-112.1251	24	7
1	80	4	0.785398	5.09	40.59403	-112.1251	2	7
1	80	8	0.785398	10.19	40.59403	-112.1251	24	7
0.8	300	1.31	0.502655	2.6	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	2	7
0	72	0	0	0	40.59403	-112.1251	24	7

0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	8	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
1	80	4	0.785398	5.09	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7

Stack					Location			
Diameter	Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk
0	72	0	0	0	40.59403	-112.1251	5	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
2.38	83	192	4.448809	43.06	40.59403	-112.1251	24	7
1.54	78	101	1.86265	53.92	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
1	65	15	0.785398	19.44	40.59403	-112.1251	24	7
1	80	25	0.785398	31.83	40.59403	-112.1251	24	7
1	80	9	0.785398	11.46	40.59403	-112.1251	0	0
0.96	108	18	0.723823	25.26	40.59403	-112.1251	24	7
1	300	7.85	0.785398	10	40.59403	-112.1251	24	7
1	80	4	0.785398	5.09	40.59403	-112.1251	2	7
1	80	8	0.785398	10.19	40.59403	-112.1251	24	7
0.8	300	1.31	0.502655	2.6	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	2	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	8	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7

0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
1	80	4	0.785398	5.09	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7

Stack					Location			
Diameter	Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk
0	72	0	0	0	40.59403	-112.1251	5	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
2.38	83	192	4.448809	43.06	40.59403	-112.1251	24	7
1.54	78	101	1.86265	53.92	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7
2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7

2.2	72	12	3.801327	3.29	40.59403	-112.1251	2	7
1	65	15	0.785398	19.44	40.59403	-112.1251	24	7
1	80	25	0.785398	31.83	40.59403	-112.1251	24	7
1	80	9	0.785398	11.46	40.59403	-112.1251	0	0
0.96	108	18	0.723823	25.26	40.59403	-112.1251	24	7
1	300	7.85	0.785398	10	40.59403	-112.1251	24	7
1	80	4	0.785398	5.09	40.59403	-112.1251	2	7
1	80	8	0.785398	10.19	40.59403	-112.1251	24	7
0.8	300	1.31	0.502655	2.6	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	2	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	0	0
0	72	0	0	0	40.59403	-112.1251	8	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	11	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7

1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
0	72	0	0	0	40.59403	-112.1251	1	7
1	80	4	0.785398	5.09	40.59403	-112.1251	24	7
1	72	12	0.785398	15.28	40.59403	-112.1251	24	7
1.54	80	78	1.86265	41.89	40.59403	-112.1251	24	7

				Temporal Operating Information				
Wks/Yr	Hrs/Yr	% Jan	% Feb	% Mar	% Apr	% May	% Jun	% Jul
52	1825	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	70000	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	63338	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	85055	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	42687	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8030	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	7917	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	710	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2840	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	426	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	29455	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33

0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2916	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2826	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2441	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	39	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	32	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	31	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	41	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	15	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	740	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33

				Temporal Operating Information				
Wks/Yr	**Hrs/Yr**	**% Jan**	**% Feb**	**% Mar**	**% Apr**	**% May**	**% Jun**	**% Jul**
52	1825	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	70000	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	63338	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	85055	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	42687	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8030	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	7917	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	710	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2840	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	426	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	29455	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2916	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2826	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2441	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	39	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	32	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	31	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	41	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	15	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	740	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33

				Temporal Operating Information				
Wks/Yr	**Hrs/Yr**	**% Jan**	**% Feb**	**% Mar**	**% Apr**	**% May**	**% Jun**	**% Jul**
52	1825	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	70000	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	63338	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	85055	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	42687	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8030	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	7917	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	710	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2840	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	426	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	29455	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2916	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2826	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2441	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	39	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	32	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	31	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	41	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	15	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	740	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33

				Temporal Operating Information				
Wks/Yr	**Hrs/Yr**	**% Jan**	**% Feb**	**% Mar**	**% Apr**	**% May**	**% Jun**	**% Jul**
52	1825	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	70000	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	63338	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	85055	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	42687	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8030	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	7917	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	710	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2840	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	426	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	29455	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2916	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2826	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2441	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	39	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	32	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	31	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	41	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	15	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	740	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33

				Temporal Operating Information				
Wks/Yr	Hrs/Yr	% Jan	% Feb	% Mar	% Apr	% May	% Jun	% Jul
52	1825	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	70000	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	63338	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	85055	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	42687	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8030	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	7917	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	710	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2840	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	426	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	29455	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2916	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2826	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2441	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	39	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	32	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	31	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	41	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	15	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	740	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33

				Temporal Operating Information				
Wks/Yr	**Hrs/Yr**	**% Jan**	**% Feb**	**% Mar**	**% Apr**	**% May**	**% Jun**	**% Jul**
52	1825	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	70000	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	63338	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	85055	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	42687	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8030	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	7917	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	932	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	710	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2840	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	6175	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	426	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	29455	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	365	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
0	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2916	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	0	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2826	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	2441	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	3211	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8616	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	39	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	32	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	31	8.33	8.33	8.33	8.33	8.33	8.33	8.33

52	41	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	15	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	404	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	740	8.33	8.33	8.33	8.33	8.33	8.33	8.33
52	8001	8.33	8.33	8.33	8.33	8.33	8.33	8.33

PM10	PM2.5	SO2
723.411	131.286	3.777

% Aug	% Sep	% Oct	% Nov	% Dec	Permit Status	PM10	PM2.5	SO2
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	25.058	3.984	
8.33	8.33	8.33	8.33	8.33	Yes	0.292	0.049	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.193	0.190	0.000
8.33	8.33	8.33	8.33	8.33	Yes	40.298	6.102	0.000
8.33	8.33	8.33	8.33	8.33	Yes	108.000	42.000	3.000
8.33	8.33	8.33	8.33	8.33	Yes	69.662	8.162	0.000
8.33	8.33	8.33	8.33	8.33	Yes	6.287	3.863	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.434	0.911	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.325	1.155	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.437	1.261	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.408	0.402	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.039	0.012	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.039	0.012	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.190	0.177	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.901	0.270	0.000
8.33	8.33	8.33	8.33	8.33	No	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.060	0.030	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.025	0.025	0.002
8.33	8.33	8.33	8.33	8.33	Yes	0.010	0.003	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.097	0.029	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.025	0.025	0.002
8.33	8.33	8.33	8.33	8.33	Yes	0.398	0.063	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.193	0.190	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.988	0.301	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.988	0.301	0.000
8.33	8.33	8.33	8.33	8.33	Yes	1.988	0.301	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.476	0.076	
8.33	8.33	8.33	8.33	8.33	Yes	8.770	0.530	
8.33	8.33	8.33	8.33	8.33	Yes	410.147	42.376	
8.33	8.33	8.33	8.33	8.33	Yes	23.984	3.641	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	

8.33	8.33	8.33	8.33	8.33	No	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.179	0.053	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.072	0.014	
8.33	8.33	8.33	8.33	8.33	Yes	0.099	0.007	
8.33	8.33	8.33	8.33	8.33	Yes	0.062	0.018	
8.33	8.33	8.33	8.33	8.33	Yes	0.152	0.006	
8.33	8.33	8.33	8.33	8.33	Yes	0.152	0.006	
8.33	8.33	8.33	8.33	8.33	Yes	0.059	0.017	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.059	0.017	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.029	0.008	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.029	0.008	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.059	0.017	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	
8.33	8.33	8.33	8.33	8.33	Yes	0.029	0.008	
8.33	8.33	8.33	8.33	8.33	Yes	0.053	0.008	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33		0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33	Yes	0.000	0.000	0.000
8.33	8.33	8.33	8.33	8.33		14.100	14.100	0.000
8.33	8.33	8.33	8.33	8.33		0.155	0.155	0.773
8.33	8.33	8.33	8.33	8.33		0.408	0.402	0.000

PM10	**PM2.5**	**SO2**
2216.825	405.129	5.784

Does the 2019 True-Up In

					Permit			
% Aug	**% Sep**	**% Oct**	**% Nov**	**% Dec**	**Status**	**PM10**	**PM2.5**	**SO2**
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000

8.33	8.33	8.33	8.33	8.33	Yes	1.8810	0.2970	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	11.1420	1.8720	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	1.5390	0.2430	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	51.7500	7.8300	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	191.0	186.0	5.8
8.33	8.33	8.33	8.33	8.33	Yes	69.9300	8.1900	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	5.3100	3.2400	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	1.0800	0.6750	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	2.0070	0.6210	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	1.2150	0.3600	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.7470	0.2160	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.3330	0.1170	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.3330	0.1170	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.1896	0.1766	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.9010	0.2703	0.0000
8.33	8.33	8.33	8.33	8.33	No	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0603	0.0302	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0254	0.0254	0.0020
8.33	8.33	8.33	8.33	8.33	Yes	0.0097	0.0029	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0974	0.0292	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0254	0.0254	0.0020
8.33	8.33	8.33	8.33	8.33	Yes	1.0080	0.1620	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	4.0230	0.6390	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	2.5110	0.3780	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	2.5110	0.3780	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	2.5110	0.3780	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.5400	0.0810	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	9.9000	0.6030	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	1816.00	184.00	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	36.5310	7.8750	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	No	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.1530	0.0450	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.1530	0.0270	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.2070	0.0180	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.1260	0.0360	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.1518	0.0063	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.1518	0.0063	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0590	0.0167	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0590	0.0167	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0295	0.0083	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0295	0.0083	0.0000

8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0590	0.0167	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0295	0.0083	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.5040	0.0810	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.0001
8.33	8.33	8.33	8.33	8.33	Yes	0.0005	0.0005	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.0000
8.33	8.33	8.33	8.33	8.33	Yes	0.0004	0.0004	0.0000
8.33	8.33	8.33	8.33	8.33	0			
8.33	8.33	8.33	8.33	8.33	Yes	0.0000	0.0000	0.0000
8.33	8.33	8.33	8.33	8.33	0			
8.33	8.33	8.33	8.33	8.33	0			
8.33	8.33	8.33	8.33	8.33	0			

PM10	**PM2.5**	**SO2**
2216.825	405.129	5.784

					Permit			
% Aug	**% Sep**	**% Oct**	**% Nov**	**% Dec**	**Status**	**PM10**	**PM2.5**	**SO2**
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	1.881	0.297	0
8.33	8.33	8.33	8.33	8.33	Yes	11.142	1.872	0
8.33	8.33	8.33	8.33	8.33	Yes	1.539	0.243	0
8.33	8.33	8.33	8.33	8.33	Yes	51.75	7.83	0
8.33	8.33	8.33	8.33	8.33	Yes	191	186	5.78
8.33	8.33	8.33	8.33	8.33	Yes	69.93	8.19	0
8.33	8.33	8.33	8.33	8.33	Yes	5.31	3.24	0
8.33	8.33	8.33	8.33	8.33	Yes	1.08	0.675	0
8.33	8.33	8.33	8.33	8.33	Yes	2.007	0.621	0
8.33	8.33	8.33	8.33	8.33	Yes	1.215	0.36	0
8.33	8.33	8.33	8.33	8.33	Yes	0.747	0.216	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0

8.33	8.33	8.33	8.33	8.33	Yes	0.189552	0.176628	0
8.33	8.33	8.33	8.33	8.33	Yes	0.901029	0.270309	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.060312	0.030156	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	0.009737	0.002921	0
8.33	8.33	8.33	8.33	8.33	Yes	0.097371	0.029211	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	1.008	0.162	0
8.33	8.33	8.33	8.33	8.33	Yes	4.023	0.639	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.54	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	9.9	0.603	0
8.33	8.33	8.33	8.33	8.33	Yes	1816	184	0
8.33	8.33	8.33	8.33	8.33	Yes	36.531	7.875	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.045	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.027	0
8.33	8.33	8.33	8.33	8.33	Yes	0.207	0.018	0
8.33	8.33	8.33	8.33	8.33	Yes	0.126	0.036	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0.504	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000126
8.33	8.33	8.33	8.33	8.33	Yes	0.00045	0.00045	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.00036	0.00036	0.000027

8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0

PM10	**PM2.5**	**SO2**
2216.825	405.129	5.784

					Permit			
% Aug	**% Sep**	**% Oct**	**% Nov**	**% Dec**	**Status**	**PM10**	**PM2.5**	**SO2**
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	1.881	0.297	0
8.33	8.33	8.33	8.33	8.33	Yes	11.142	1.872	0
8.33	8.33	8.33	8.33	8.33	Yes	1.539	0.243	0
8.33	8.33	8.33	8.33	8.33	Yes	51.75	7.83	0
8.33	8.33	8.33	8.33	8.33	Yes	191	186	5.78
8.33	8.33	8.33	8.33	8.33	Yes	69.93	8.19	0
8.33	8.33	8.33	8.33	8.33	Yes	5.31	3.24	0
8.33	8.33	8.33	8.33	8.33	Yes	1.08	0.675	0
8.33	8.33	8.33	8.33	8.33	Yes	2.007	0.621	0
8.33	8.33	8.33	8.33	8.33	Yes	1.215	0.36	0
8.33	8.33	8.33	8.33	8.33	Yes	0.747	0.216	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0
8.33	8.33	8.33	8.33	8.33	Yes	0.189552	0.176628	0
8.33	8.33	8.33	8.33	8.33	Yes	0.901029	0.270309	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.060312	0.030156	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	0.009737	0.002921	0
8.33	8.33	8.33	8.33	8.33	Yes	0.097371	0.029211	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	1.008	0.162	0
8.33	8.33	8.33	8.33	8.33	Yes	4.023	0.639	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.54	0.081	0

8.33	8.33	8.33	8.33	8.33	Yes	9.9	0.603	0
8.33	8.33	8.33	8.33	8.33	Yes	1816	184	0
8.33	8.33	8.33	8.33	8.33	Yes	36.531	7.875	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.045	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.027	0
8.33	8.33	8.33	8.33	8.33	Yes	0.207	0.018	0
8.33	8.33	8.33	8.33	8.33	Yes	0.126	0.036	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0.504	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000126
8.33	8.33	8.33	8.33	8.33	Yes	0.00045	0.00045	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.00036	0.00036	0.000027
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0

PM10	**PM2.5**	**SO2**
2216.825	405.129	5.784

					Permit			
% Aug	% Sep	% Oct	% Nov	% Dec	Status	PM10	PM2.5	SO2
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	1.881	0.297	0
8.33	8.33	8.33	8.33	8.33	Yes	11.142	1.872	0
8.33	8.33	8.33	8.33	8.33	Yes	1.539	0.243	0
8.33	8.33	8.33	8.33	8.33	Yes	51.75	7.83	0
8.33	8.33	8.33	8.33	8.33	Yes	191	186	5.78
8.33	8.33	8.33	8.33	8.33	Yes	69.93	8.19	0
8.33	8.33	8.33	8.33	8.33	Yes	5.31	3.24	0
8.33	8.33	8.33	8.33	8.33	Yes	1.08	0.675	0
8.33	8.33	8.33	8.33	8.33	Yes	2.007	0.621	0
8.33	8.33	8.33	8.33	8.33	Yes	1.215	0.36	0
8.33	8.33	8.33	8.33	8.33	Yes	0.747	0.216	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0
8.33	8.33	8.33	8.33	8.33	Yes	0.189552	0.176628	0
8.33	8.33	8.33	8.33	8.33	Yes	0.901029	0.270309	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.060312	0.030156	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	0.009737	0.002921	0
8.33	8.33	8.33	8.33	8.33	Yes	0.097371	0.029211	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	1.008	0.162	0
8.33	8.33	8.33	8.33	8.33	Yes	4.023	0.639	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.54	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	9.9	0.603	0
8.33	8.33	8.33	8.33	8.33	Yes	1816	184	0
8.33	8.33	8.33	8.33	8.33	Yes	36.531	7.875	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.045	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.027	0
8.33	8.33	8.33	8.33	8.33	Yes	0.207	0.018	0
8.33	8.33	8.33	8.33	8.33	Yes	0.126	0.036	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0

8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0.504	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000126
8.33	8.33	8.33	8.33	8.33	Yes	0.00045	0.00045	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.00036	0.00036	0.000027
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0

PM10	**PM2.5**	**SO2**
2216.825	405.129	5.784

					Permit			
% Aug	**% Sep**	**% Oct**	**% Nov**	**% Dec**	**Status**	**PM10**	**PM2.5**	**SO2**
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	1.881	0.297	0
8.33	8.33	8.33	8.33	8.33	Yes	11.142	1.872	0
8.33	8.33	8.33	8.33	8.33	Yes	1.539	0.243	0
8.33	8.33	8.33	8.33	8.33	Yes	51.75	7.83	0
8.33	8.33	8.33	8.33	8.33	Yes	191	186	5.78
8.33	8.33	8.33	8.33	8.33	Yes	69.93	8.19	0
8.33	8.33	8.33	8.33	8.33	Yes	5.31	3.24	0
8.33	8.33	8.33	8.33	8.33	Yes	1.08	0.675	0
8.33	8.33	8.33	8.33	8.33	Yes	2.007	0.621	0
8.33	8.33	8.33	8.33	8.33	Yes	1.215	0.36	0
8.33	8.33	8.33	8.33	8.33	Yes	0.747	0.216	0
8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0

8.33	8.33	8.33	8.33	8.33	Yes	0.333	0.117	0
8.33	8.33	8.33	8.33	8.33	Yes	0.189552	0.176628	0
8.33	8.33	8.33	8.33	8.33	Yes	0.901029	0.270309	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.060312	0.030156	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	0.009737	0.002921	0
8.33	8.33	8.33	8.33	8.33	Yes	0.097371	0.029211	0
8.33	8.33	8.33	8.33	8.33	Yes	0.025376	0.025376	0.002003
8.33	8.33	8.33	8.33	8.33	Yes	1.008	0.162	0
8.33	8.33	8.33	8.33	8.33	Yes	4.023	0.639	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	2.511	0.378	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.54	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	9.9	0.603	0
8.33	8.33	8.33	8.33	8.33	Yes	1816	184	0
8.33	8.33	8.33	8.33	8.33	Yes	36.531	7.875	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	No	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.045	0
8.33	8.33	8.33	8.33	8.33	Yes	0.153	0.027	0
8.33	8.33	8.33	8.33	8.33	Yes	0.207	0.018	0
8.33	8.33	8.33	8.33	8.33	Yes	0.126	0.036	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.151818	0.006326	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.058969	0.016665	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0.029485	0.008333	0
8.33	8.33	8.33	8.33	8.33	Yes	0.504	0.081	0
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000126
8.33	8.33	8.33	8.33	8.33	Yes	0.00045	0.00045	0.000027
8.33	8.33	8.33	8.33	8.33	Yes	0.0009	0.0009	0.000027

8.33	8.33	8.33	8.33	8.33	Yes	0.00036	0.00036	0.000027
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	Yes	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0
8.33	8.33	8.33	8.33	8.33	0	0	0	0

2011 Actual Emissions (tons/yr)						
NOx	VOC	CO	NH3	Benzene	Chlorine	HCl
3558.087	203.687	1164.501	1.454	0.000	0.000	0.000

2011 Actual Emissions							
NOx	VOC	CO	NH3	Benzene	Chlorine	HCl	
	1.702						0.000
	0.083						0.000
							21.074
0.000	0.000	0.000	0.000				0.243
0.000	0.000	0.000	0.000				1.004
0.000	0.000	0.000	0.000				34.196
3552.000	200.000	1162.000	0.000				66.000
0.000	0.000	0.000	0.000				61.500
0.000	0.000	0.000	0.000				2.424
0.000	0.000	0.000	0.000				0.523
0.000	0.000	0.000	0.000				0.170
0.000	0.000	0.000	0.000				0.176
0.000	0.000	0.000	0.000				0.006
0.000	0.000	0.000	0.000				0.028
0.000	0.000	0.000	0.000				0.028
0.000	0.000	0.000	0.000				0.013
0.000	0.000	0.000	0.000				0.631
0.000	0.000	0.000	0.000				0.000
0.000	0.000	0.000	0.000				0.030
0.334	0.018	0.280	0.011				0.000
0.000	0.000	0.000	0.000				0.007
0.000	0.000	0.000	0.000				0.068
0.334	0.018	0.280	0.011				0.000
0.000	0.000	0.000	0.000				0.334
0.000	0.000	0.000	0.000				1.003
0.000	0.000	0.000	0.000				1.687
0.000	0.000	0.000	0.000				1.687
0.000	0.000	0.000	0.000				1.687
0.000	0.904	0.000	0.000				0.000
0.000	0.354	0.000	0.000				0.000
			0.000				0.400
			1.432				8.240
							367.772
0.000	0.000	0.000	0.000				20.343
	0.000						0.000

0.000	0.000	0.000	0.000				0.000
0.000	0.000	0.000	0.000				0.127
							0.058
							0.092
							0.043
							0.145
							0.145
							0.042
							0.000
							0.042
							0.000
							0.021
							0.000
							0.021
							0.000
							0.042
							0.000
							0.000
							0.000
							0.000
							0.000
							0.000
							0.000
							0.021
0.000	0.000	0.000	0.000				0.045
0.027	0.005	0.121	0.000				0.000
0.018	0.003	0.071	0.000				0.000
0.013	0.004	0.402	0.000				0.000
0.023	0.003	0.092	0.000				0.000
0.009	0.001	0.033	0.000				0.000
0.000	0.435	0.000	0.000				0.000
0.000	0.000	0.000	0.000				0.000
5.328	0.157	1.221	0.000				0.000
0.000	0.000	0.000	0.000				0.006

2019 True-Up Emissions (tons/yr)						
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**
5338.717	269.757	1410.106	0.021	0.000	0.000	0.000

nclude Growth?	**No**

2019 True-Up Emissions							
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**	
0.0000	1.5210	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000

0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.584
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.270
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.296
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	43.920
5337.0	259.0	1400.0	0.0000	0.0000	0.0000	0.0000	5.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	61.740
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.070
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.405
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.386
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.855
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.531
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.216
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.216
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.013
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.631
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.030
0.3339	0.0184	0.2805	0.0107	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.007
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.068
0.3339	0.0184	0.2805	0.0107	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.846
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.384
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.133
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.133
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.133
0.0000	3.1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.3540	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.459
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.297
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1632.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	28.656
0.0000	4.8330	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.108
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.126
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.189
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.090
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.145
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.145
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.042
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.042
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.021
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.021

0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.042
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.021
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.423
0.3611	0.0612	1.5921	0.0000	0.0000	0.0000	0.0000	0.000
0.2565	0.0378	1.0035	0.0000	0.0000	0.0000	0.0000	0.000
0.1926	0.0522	5.8284	0.0000	0.0000	0.0000	0.0000	0.000
0.2394	0.0360	1.1214	0.0000	0.0000	0.0000	0.0000	0.000
							0.000
0.0000	0.7200	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
							0.000
							0.000
							0.000

2019 Projected Emissions (tons/yr)						
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**
5338.717	269.757	1410.106	0.021	0.000	0.000	0.000

2019 Projected Emissions							
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**	
0	1.521	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	1.584
0	0	0	0	0	0	0	9.270
0	0	0	0	0	0	0	1.296
0	0	0	0	0	0	0	43.920
5337	259	1400	0	0	0	0	5.000
0	0	0	0	0	0	0	61.740
0	0	0	0	0	0	0	2.070
0	0	0	0	0	0	0	0.405
0	0	0	0	0	0	0	1.386
0	0	0	0	0	0	0	0.855
0	0	0	0	0	0	0	0.531
0	0	0	0	0	0	0	0.216
0	0	0	0	0	0	0	0.216

0	0	0	0	0	0	0	0.013
0	0	0	0	0	0	0	0.631
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.030
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.007
0	0	0	0	0	0	0	0.068
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.846
0	0	0	0	0	0	0	3.384
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	3.105	0	0	0	0	0	0.000
0	0.354049	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.459
0	0	0	0	0	0	0	9.297
0	0	0	0	0	0	0	1632.000
0	0	0	0	0	0	0	28.656
0	4.833	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.108
0	0	0	0	0	0	0	0.126
0	0	0	0	0	0	0	0.189
0	0	0	0	0	0	0	0.090
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.423
0.36108	0.0612	1.5921	0	0	0	0	0.000
0.2565	0.0378	1.0035	0	0	0	0	0.000
0.1926	0.0522	5.8284	0	0	0	0	0.000
0.2394	0.036	1.1214	0	0	0	0	0.000

0	0	0	0	0	0	0	0.000
0	0.72	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000

2024 Projected Emissions (tons/yr)						
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**
5338.717	269.757	1410.106	0.021	0.000	0.000	0.000

2024 Projected Emissions							
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**	
0	1.521	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	1.584
0	0	0	0	0	0	0	9.270
0	0	0	0	0	0	0	1.296
0	0	0	0	0	0	0	43.920
5337	259	1400	0	0	0	0	5.000
0	0	0	0	0	0	0	61.740
0	0	0	0	0	0	0	2.070
0	0	0	0	0	0	0	0.405
0	0	0	0	0	0	0	1.386
0	0	0	0	0	0	0	0.855
0	0	0	0	0	0	0	0.531
0	0	0	0	0	0	0	0.216
0	0	0	0	0	0	0	0.216
0	0	0	0	0	0	0	0.013
0	0	0	0	0	0	0	0.631
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.030
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.007
0	0	0	0	0	0	0	0.068
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.846
0	0	0	0	0	0	0	3.384
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	3.105	0	0	0	0	0	0.000
0	0.354049	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.459

0	0	0	0	0	0	0	9.297
0	0	0	0	0	0	0	1632.000
0	0	0	0	0	0	0	28.656
0	4.833	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.108
0	0	0	0	0	0	0	0.126
0	0	0	0	0	0	0	0.189
0	0	0	0	0	0	0	0.090
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.423
0.36108	0.0612	1.5921	0	0	0	0	0.000
0.2565	0.0378	1.0035	0	0	0	0	0.000
0.1926	0.0522	5.8284	0	0	0	0	0.000
0.2394	0.036	1.1214	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0.72	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000

2028 Projected Emissions (tons/yr)						
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**
5338.717	269.757	1410.106	0.021	0.000	0.000	0.000

2028 Projected Emissions							
NOx	VOC	CO	NH3	Benzene	Chlorine	HCl	
0	1.521	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	1.584
0	0	0	0	0	0	0	9.270
0	0	0	0	0	0	0	1.296
0	0	0	0	0	0	0	43.920
5337	259	1400	0	0	0	0	5.000
0	0	0	0	0	0	0	61.740
0	0	0	0	0	0	0	2.070
0	0	0	0	0	0	0	0.405
0	0	0	0	0	0	0	1.386
0	0	0	0	0	0	0	0.855
0	0	0	0	0	0	0	0.531
0	0	0	0	0	0	0	0.216
0	0	0	0	0	0	0	0.216
0	0	0	0	0	0	0	0.013
0	0	0	0	0	0	0	0.631
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.030
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.007
0	0	0	0	0	0	0	0.068
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.846
0	0	0	0	0	0	0	3.384
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	3.105	0	0	0	0	0	0.000
0	0.354049	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.459
0	0	0	0	0	0	0	9.297
0	0	0	0	0	0	0	1632.000
0	0	0	0	0	0	0	28.656
0	4.833	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.108
0	0	0	0	0	0	0	0.126
0	0	0	0	0	0	0	0.189
0	0	0	0	0	0	0	0.090
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021

0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.423
0.36108	0.0612	1.5921	0	0	0	0	0.000
0.2565	0.0378	1.0035	0	0	0	0	0.000
0.1926	0.0522	5.8284	0	0	0	0	0.000
0.2394	0.036	1.1214	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0.72	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000

2030 Projected Emissions (tons/yr)						
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**
5338.717	269.757	1410.106	0.021	0.000	0.000	0.000

2030 Projected Emissions							
NOx	**VOC**	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**	
0	1.521	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	1.584
0	0	0	0	0	0	0	9.270
0	0	0	0	0	0	0	1.296
0	0	0	0	0	0	0	43.920
5337	259	1400	0	0	0	0	5.000
0	0	0	0	0	0	0	61.740
0	0	0	0	0	0	0	2.070
0	0	0	0	0	0	0	0.405
0	0	0	0	0	0	0	1.386
0	0	0	0	0	0	0	0.855
0	0	0	0	0	0	0	0.531
0	0	0	0	0	0	0	0.216

0	0	0	0	0	0	0	0.216
0	0	0	0	0	0	0	0.013
0	0	0	0	0	0	0	0.631
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.030
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.007
0	0	0	0	0	0	0	0.068
0.3339	0.018365	0.280476	0.010685	0	0	0	0.000
0	0	0	0	0	0	0	0.846
0	0	0	0	0	0	0	3.384
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	0	0	0	0	0	0	2.133
0	3.105	0	0	0	0	0	0.000
0	0.354049	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.459
0	0	0	0	0	0	0	9.297
0	0	0	0	0	0	0	1632.000
0	0	0	0	0	0	0	28.656
0	4.833	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.108
0	0	0	0	0	0	0	0.126
0	0	0	0	0	0	0	0.189
0	0	0	0	0	0	0	0.090
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.145
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.042
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.021
0	0	0	0	0	0	0	0.423
0.36108	0.0612	1.5921	0	0	0	0	0.000
0.2565	0.0378	1.0035	0	0	0	0	0.000
0.1926	0.0522	5.8284	0	0	0	0	0.000

0.2394	0.036	1.1214	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0.72	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000
0	0	0	0	0	0	0	0.000

9. Kennecott Utah Copper will use frequent watering or approved chemical dust suppressant to control road dust from all trafficked roads and areas in the mine. Kennecott Utah Copper will submit an annual road dust control report, in conjunction with the fugitive dust control plan, by February 1 of each calendar year, containing as a minimum the following:

A……A description of what dust control measures are planned for the coming year.

B. A report of what dust control measures were actually completed during the past year.

C. Specific elements of the report will include:

1. A map of all trafficked areas and roads associated with the mine, indicating which areas are planned for treatments with water and/or chemical dust suppressant.
2. A description of what chemical dust suppressant will be used if used and how it will be applied (application rate, application frequency, dilution rate, special application procedure scarification, etc).
3. A list of equipment dedicated either full or part time to work area and road dust control (# of water trucks, water capacity, # graders, etc).
4. A quantification of how much dust suppressant (gallons, tons) was applied the previous year, and when and where it was applied.
5. A quantification of how much watering was accomplished the previous year (gallons, water truck operating hours).

Estimated Number of Trucks in Operation

Tier Information	Engine		2011	2012	2013	2014	2015	2016	2017	2018	2019
CAT 793C Fleet (2337 hp)	Tier 0		8	0	0	0	0	0	0	0	0
CAT 793D Fleet (2415 hp)	Tier 1		29	29	29	29	29	23	29	23	12
	Tier 2		0	0	0	0	0	0	0	0	0
	Tier 4t		0	0	0	0	0	0	0	0	0
	Tier 4f		0	0	0	0	0	0	0	0	0
CAT 795F Fleet (3440 hp)	Tier 1		0	0	0	0	0	0	0	0	0
	Tier 2		2	0	0	0	0	0	0	0	0
	Tier 4t		0	0	0	0	0	0	0	0	0
	Tier 4f		0	0	0	0	0	0	0	0	0
KOM Fleet (3500 hp)	Tier 1		25	30	30	26	29	27	22	27	20
	Tier 2		11	41	47	47	47	47	47	47	47
	Tier 4t		0	0	0	0	0	0	0	0	0
	Tier 4f		0	0	0	0	29	29	29	29	29
Total Truck s			67	100	106	102	134	126	127	126	108

It is assumed that all trucks will be repowered in kind every 3 years (~20,000 hours of operation).

There were 108 trucks in 2008. 50
There will be 102 trucks in 2014. 5
There will be 127 trucks in 2017. 5
There will be 108 trucks in 2019. 3

	Tier 0	Tier 1
2008	60	30
2014	0	55
2017	0	51
2019	0	32

Emission Factors by Tier (g/hp-hr)	Tier 0	Tier 1	Tier 2	Tier 4t	Tier 4f	2008	2014	2017	2019
HC	0.75	0.31	0.18	0.29	0.13	0.60	0.25	0.22	0.21
CO	4.9	1.29	1.29	0.88	0.88	3.70	1.29	1.20	1.18
NOx	8.15	5.99	3.93	2.41	2.41	7.43	5.04	4.41	4.13
SO2	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
PM10	0.64	0.26	0.15	0.02	0.02	0.51	0.21	0.16	0.15

All Age Factors assumed to be equal to 1.

Hydrocarbon emission factors for tier 4f represent the EPA proposed emission limits, and were not calculated using NONROAD guidance.

All emission factors represent the lesser of EPA emission limits and factors calculated using EPA NONROAD methodology.

were tier 0 and 50 wier tier 1.
5 will be Tier 1 and 47 will be tier 2.
1 will be Tier 1 , 47 will be tier 2 and 29 will be tier 4f.
2 will be Tier 1 , 47 will be tier 2 and 29 will be tier 4f.

Tier 2	Tier 4f	total
0	0	90
47	0	102
47	29	127
47	29	108

Mine and Concentrator

		PM10	PM2.5	SO2	NOx
Diesel Engines	Distillate Oil (No. 2)	220.6	215.9	5.8	5337
Graders	Diesel	69.93	8.19	0	0
Bulldozers (Track Type) Copper Ore		5.31	3.24	0	0
Gravel	Vehicle Miles Traveled (VMT)	1816	184	0	0

State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of
Environmental Quality

Amanda Smith
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN105710036-14

January 24, 2014

Chris Kaiser
Kennecott Utah Copper LLC
4700 Daybreak Parkway
South Jordan, UT 84095

Dear Mr. Kaiser:

Re: Approval Order: Modification to Bingham Canyon Mine AO to Add Support Crushing and Screening Operation; and a Concrete Batch Plant
Project Number: N10571-0036

The attached document is the Approval Order for the above-referenced project. Future correspondence on this Approval Order should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. The project engineer for this action is Nando Meli Jr., who may be reached at (801) 536-4052.

Sincerely,

Bryce C. Bird
Director

BCB:NM:sa

cc: Mike Owens
Salt Lake Valley Health Department

STATE OF UTAH

Department of Environmental Quality

Division of Air Quality

APPROVAL ORDER: Modification to Bingham Canyon Mine AO to Add Support Crushing and Screening Operation; and a Concrete Batch Plant

Prepared By: Nando Meli Jr., Engineer
Phone: (801) 536-4052
Email: nmeli@utah.gov

APPROVAL ORDER NUMBER

DAQE-AN105710036-14

Date: January 24, 2014

Kennecott Utah Copper LLC
Mine & Copperton Concentrator
Source Contact:
Chris Lilley, Environmental Contact
Phone: (801) 204-2134

Bryce C. Bird
Director

Abstract

Kennecott Utah Copper LLC (KUC) is requesting a modification to the Bingham Canyon Mine (BCM) AO DAQE-AN105710032-13 to add a crushing and screening operation that will be located outside the pit. The crushers will process mined material while the pit is being restored after the slide in April 2013. The production of material from the crushing and screening will be included in the current limits as applicable. The PTE emissions from the BCM will not increase from the operation of the crushing and screening operation. Offsets for PM_{10} are not required for this modification in accordance with R307-403-5.

KUC is also requesting approval to add a concrete batch plant that will be used to supply concrete for onsite use, to add propane-fired emergency generators, and to replace an existing baghouse. The emissions from the concrete batch plant will be controlled by a baghouse. The generators will provide back-up power for the communications network. A more efficient baghouse will replace the existing Sample Preparations Building baghouse.

Salt Lake County is a nonattainment area of the NAAQS for PM_{10}, $PM_{2.5}$ and SO_2, and is a maintenance area for ozone. NSPS, Subpart LL, (Standards of Performance for Metallic Mineral Processing Plants) and Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) apply to the BCM. The BCM is an area source and is not a major Title V source. The point source emissions from the concrete batch plant and stock piles for the batch plant (in TPY at the BCM) are estimated as follows: PM_{10} = +0.35, and $PM_{2.5}$ = +0.10.

KUC has an emissions limit for the BCM for the combined emissions of PM_{10}, SO_2, and NO_x (7,350 TPY) and combined emissions of $PM_{2.5}$, SO_2 and NO_x (6,205 TPY) encompass facility wide emissions. These limits include point sources and fugitive sources and these limits will not be increased as a result of this modification. The total PTE from the BCM, at maximum production, including point sources and fugitive sources, is as follows (in TPY): PM_{10} = 1,513, $PM_{2.5}$ = 368, NO_x = 5,830, SO_2 = 7, CO = 1,682, VOC = 314, and HAPs = 1.37. The total GHG emissions from point sources are 327 TPY CO_2e.

The project has been evaluated and found to be consistent with the requirements of the Utah Administrative Code Rule 307 (UAC R307). A public comment period was held in accordance with UAC R307-401-7 and no comments were received. This air quality AO authorizes the project with the following conditions, and failure to comply with any of the conditions may constitute a violation of this order. This AO is issued to, and applies to the following:

Name of Permittee:	**Permitted Location:**
Kennecott Utah Copper LLC 4700 Daybreak Parkway South Jordan, UT 84095	Mine & Copperton Concentrator 8362 W. 10200 S. Bingham Canyon, UT 84006

UTM coordinates: 407,000 m Easting, 4,493,000 m Northing, UTM Zone 12
SIC code: 1021 (Copper Ores)

Section I: GENERAL PROVISIONS

I.1 All definitions, terms, abbreviations, and references used in this AO conform to those used in the UAC R307 and 40 CFR. Unless noted otherwise, references cited in these AO conditions refer to those rules. [R307-101]

I.2 The limits set forth in this AO shall not be exceeded without prior approval. [R307-401]

I.3 Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved. [R307-401-1]

I.4 All records referenced in this AO or in other applicable rules, which are required to be kept by the owner/operator, shall be made available to the Director or Director's representative upon request, and the records shall include the two-year period prior to the date of the request. Unless otherwise specified in this AO or in other applicable state and federal rules, records shall be kept for a minimum of two (2) years. [R307-401-8]

I.5 At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded. [R307-401-4]

I.6 The owner/operator shall comply with R307-150 Series. Inventories, Testing and Monitoring. [R307-150]

I.7 The owner/operator shall comply with UAC R307-107. General Requirements: Breakdowns. [R307-107]

Section II: SPECIAL PROVISIONS

II.A The approved installations shall consist of the following equipment:

II.A.1 **KUC Bingham Mine**

KUC operates the BCM. KUC removes ore from the BCM by drilling, blasting, crushing and hauling.

II.A.2 **Main In-pit Crusher**

Main in-pit crusher
Main in-pit crusher baghouse

II.A.3 **Second In-pit Crusher**

Second in-pit crusher
Second in-pit crusher baghouse

II.A.4 **Portable Roadbase Crushers**

Two portable crushing and screening plants used to crush material for road base
Maximum crusher unit capacity 700 tons per hour, each

II.A.5 **Conveyors**

Conveyors and two transfer points with baghouses

II.A.6 **Lime Silos**

Lime silos with fabric type bin vent control units

II.A.7 **Sample Preparation Equipment**

Sample preparation equipment with baghouse

II.A.8 **SX/EW plant**

SX/EW plant with electrowinning acid mist eliminator

II.A.9 **Degreasers**

Various degreasing parts washers

II.A.10 **Gasoline Fueling Stations**

II.A.11 **Emergency Generators**

Nine Liquefied Petroleum gas-fired emergency generators

Site	Maximum Rating
Lark Gate	
#1	107 Brake Horsepower (BHP)
#2	49 BHP
Production Control Building 6690	150 BHP
Communications 6190	75 BHP
Mandy's Landing	75 BHP
East Side Dump	49 BHP
Zelnora	49 BHP
SAM Site	49 BHP
Substation 2	49 BHP

II.A.12 **Emergency Generators**

Four diesel-fired emergency generators

1) Support Generator 1

Maximum rating 2,250 kW

2) Support Generator 2

Maximum rating 700 kW

3) Support Generator 3

Maximum rating 700 kW

4) Support Generator 4

Maximum rating 500 kW

II.A.13 **Concrete Batch Plant**

1) 25 cubic yard per hour batch plant controlled by a baghouse

2) Cement storage silo controlled by a baghouse

3) Conveyors and cement trucks

4) Storage silos with fabric filters

II.A.14 **Crushers and Screens**

Portable crushing and screening plants with associated conveyors used to crush ore and waste rock

Conveyors Partially enclosed transfer points

II.B Requirements and Limitations

II.B.1 **<u>Limitations and Test Procedures</u>**

II.B.1.a Emissions at all times from the indicated emission points after primary control shall not exceed the following rates and concentrations:

A. Main In pit Crusher Baghouse Vent

Pollutant	lb/hr	grains per dry standard cubic foot (dscf) (68ÂºF, 29.92 in Hg)
PM_{10}	1.77	0.016B.

B. Second In pit Crusher Baghouse Vent

Pollutant	lb/hr	grains per dry standard cubic foot (dscf) (68 F, 29.92 in Hg)
PM_{10}	0.77	0.007

C. Controlled Drop Point Baghouse Vent @ Tunnel Exit Near Copperton (C6/C7)

Pollutant	lb/hr	grains per dry standard cubic foot (dscf) (68ÂºF, 29.92 in Hg)
PM_{10}	0.31	0.007

D. Controlled Drop Point Baghouse Vent @ Copperton (C7/C8)

Pollutant	lb/hr	grains per dry standard cubic foot (dscf) (68ÂºF, 29.92 in Hg)
PM_{10}	0.19	0.007

[R307-401-8]

II.B.1.b Stack testing to show compliance with the emission limitations stated in the above condition shall be performed as specified below:

A.

Emissions Point	Pollutant	Testing Status	Test Frequency
Main In-pit Crusher Baghouse Vent	PM_{10}	*	#
Controlled Drop Point Baghouse Vent @ Tunnel Exit Near Copperton (C6/C7)	PM_{10}	*	#
Controlled Drop Point Baghouse Vent @ Copperton (C7/C8)	PM_{10}	*	#
Second In-pit Crusher Baghouse Vent	PM_{10}	**	#

B. Testing Status

* The initial testing has already been performed.

\# Test every three years. If a unit is not in operation when a test is due, KUC may request an extension for the test.

** Initial compliance testing for the second in-pit crusher is required. The initial test date shall be performed no later than 180 days after the initial startup of the new emission source.

C. Notification

The Director shall be notified at least 30 days prior to conducting any required emission testing. A source test protocol shall be submitted to DAQ when the testing notification is submitted to the Director.

The source test protocol shall be approved by the Director prior to performing the test(s). The source test protocol shall outline the proposed test methodologies, and stack to be tested. A pretest conference shall be held, if directed by the Director.

D. Sample Location

The emission point shall be designed to conform to the requirements of 40 CFR 60, Appendix A, Method 1, or other EPA approved methods acceptable to the Director. An Occupational Safety and Health Administration (OSHA) or Mine Safety and Health Administration (MSHA) approved access shall be provided to the test location.

E. Volumetric Flow Rate

40 CFR 60, Appendix A, Method 2 or other EPA approved testing methods acceptable to the Director.

F. PM_{10}

For stacks in which no liquid drops are present, the following methods shall be used: 40 CFR 51, Appendix M, Methods 201, 201a, or other EPA approved testing methods acceptable to the Director. All particulate captured shall be considered PM_{10}.

For stacks in which liquid drops are present, methods to eliminate the liquid drops should be explored. If no reasonable method to eliminate the drops exists, then the following methods shall be used: 40 CFR 60, Appendix A, Method 5, 5a, 5d, or 5e as appropriate. The portion of the front half of the catch considered PM_{10} shall be based on information in Appendix B of the fifth edition of the EPA document, AP-42, or other data acceptable to the Director.

The back half condensables shall also be tested using an EPA approved testing method acceptable to the Director. The back half condensables shall not be used for compliance demonstration but shall be used for inventory purposes.

G. Calculations

To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Director, to give the results in the specified units of the emission limitation.

H. Source Operation

For a new source/emission point, the production rate during all compliance testing shall be no less than 90% of the production capacity of the equipment. If the maximum production capacity has not been achieved at the time of the test, the following procedure shall be followed:

1) Testing shall be at no less than 90% of the production rate achieved to date.

2) If the test is passed, the new maximum allowable production rate shall be 110% of the tested achieved rate. This new allowable maximum production rate shall remain in effect until successfully tested at a higher rate. This process may be repeated until the maximum AO production rate is achieved.

For an existing source/emission point, the production rate during all compliance testing shall be no less than 90% of the maximum production achieved in the previous three years.

[R307-401-8]

II.B.1.c Visible emissions from the following emission points shall not exceed the following values:

A.	Main In-pit crusher baghouse vent	7% opacity
B.	Second In-pit crusher baghouse vent	7% opacity
C.	Controlled drop point baghouse vent @ tunnel exit near Copperton (C6/C7)	7% opacity
D.	Controlled drop point baghouse vent @ Copperton (C7/C8)	7% opacity
E.	Concrete batch plant baghouse	10% opacity
F.	All other conveyor transfer points	10% opacity
G.	Lime silos	10% opacity
H.	Sample preparation equipment with baghouse	10% opacity
I.	Drilling	10% opacity
J.	LP gas-fired emergency generators	10% opacity
K.	Nonmetallic Mineral Processing Screens and Conveyors	7% opacity
L.	Nonmetallic Mineral Processing Crushers	12% opacity
M.	Metallic Mineral Processing Equipment	10% opacity
N.	Electrowinning Plant with electrowinning acid mist eliminator	15% opacity
O.	All other points except as defined in other conditions of this AO	10% opacity

Opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9.

[R307-201]

II.B.1.d For sources that are subject to NSPS, opacity shall be determined by conducting observations in accordance with 40 CFR 60.11(b) and 40 CFR 60, Appendix A, Method 9. For purposes of determining initial compliance, the minimum total time of observations shall be three (3) hours (30 six-minute averages) for the performance test or other set of observations (meaning those fugitive-type emission sources subject only to an opacity standard). It is the responsibility of the owner/operator of the source to supply these observations to the Director.

A currently certified observer must be used for these observations. Emission points that are subject to the initial observations are:

A. All crushers

B. All screens

C. All conveyor transfer points

Initial observations are required on any new or relocated crushing and screening unit.

[40 CFR 60 Subpart A]

II.B.1.e The following limits shall not be exceeded:

A. Total material moved (ore and waste) shall not exceed 260,000,000 tons per rolling 12-month period*.

B. Annual emissions of SO_2 shall not exceed 7 tons per rolling 12-month period.

C. Maximum total mileage per calendar day for ore and waste haul trucks shall not exceed 30,000 miles.

D. Minimum design payload per ore and waste haul truck shall not be less than 240 tons. Minimum design payload for trucks hauling material to develop new mining technologies, and material from maintenance activities shall not be less than 40 tons. Trucks used for underground development and operation may be smaller depending on application.

E. Maximum number of wheels per ore or waste haul truck shall not exceed six wheels.

F. Height of mine waste dump lift shall not exceed 1000 feet.

G. The surface area of the Solvent Extraction/Electrowinning Plant mixer/settlers shall not exceed 1,100 ftÂ².

* Total ore and waste limitation shall be applied to dry tons of new material mined at the production shovels face.

Compliance with the 12-month period limits shall be determined on a rolling 12-month total. KUC shall calculate a new 12-month total by the twentieth day of each month using data from the previous 12 months.

Records of daily total mileage shall be kept for all periods when the mine is in operation. Daily total mileage shall be determined by daily mileage reports.

[R307-401-8]

II.B.1.f The following site-wide emission limits at the BCM shall not be exceeded:

A. 7,350 tons of NO_x, PM_{10} and SO_2 combined per rolling 12-month period

B. 6,205 tons of NO_x, $PM_{2.5}$ and SO_2 combined per rolling 12-month period

Compliance with the 12-month period limits shall be determined on a rolling 12-month total per methodology outlined in Appendix A. KUC shall calculate a new 12-month total by the twentieth day of each month using data from the previous 12 months.

[R307-401-8]

II.B.1.g Emergency generators shall be used for electricity producing operation only during the periods when primary electric power supplies are interrupted, or for regular maintenance of the generators. Records documenting generator usage shall be kept in a log; and they shall show the date the generator was used, the duration in hours of the generator usage, and the reason for each generator usage. Each emergency generator shall not exceed 100 hours of operation for maintenance per rolling 12-month period. [R307-401-8]

II.B.1.h KUC shall notify the Director in writing when the installation of the equipment listed in Conditions II.A.7, II.A.11, II.A.12, II.A.13 and II.A.14 has been completed and is operational. To ensure proper credit when notifying the Director, send your correspondence to the Director, attn: Compliance Section.

AOs issued by the Director in accordance with the provisions of R307-401 will be reviewed 18 months after the date of issuance to determine the status of construction, installation, modification, relocation or establishment. In 18 months from the date of this AO, the Director shall be notified in writing on the status of the plant construction and installation of the equipment. If a continuous program of construction, installation, modification, relocation or establishment is not proceeding, the Director may revoke the AO. [R307-401]

II.B.2 **Equipment Requirements**

II.B.2.a The Main In-pit crusher baghouse shall control process streams from the crusher. This baghouse shall be sized to handle at least 12,898 Dry Standard Cubic Feet per Minute (DSCFM). All exhaust air from the crusher shall be routed through the baghouse before being vented to the atmosphere. [R307-401-8]

II.B.2.b The Second In-pit crusher baghouse shall control process streams from the second crusher. This baghouse shall be sized to handle at least 12,898 DSCFM. All exhaust air from the crusher shall be routed through the baghouse before being vented to the atmosphere. [R307-401-8]

II.B.2.c The lime silos fabric bin vent control units shall control process streams from the lime silos. This control unit shall be sized to handle at least 616 DSCFM. All exhaust air from the lime silos shall be routed through the control unit before being vented to the atmosphere. [R307-401-8]

II.B.2.d The Controlled Transfer Drop Point C6/C7 baghouse shall control process streams from the drop point. This baghouse shall be sized to handle at least 5,120 DSCFM. All exhaust air from the C6/C7 transfer drop point shall be routed through the baghouse before being vented to the atmosphere. [R307-401-8]

II.B.2.e The Controlled Transfer Drop Point C7/C8 baghouse shall control process streams from the drop point. This baghouse shall be sized to handle at least 3,168 DSCFM. All exhaust air from the C7/C8 transfer drop point shall be routed through the baghouse before being vented to the atmosphere. [R307-401-8]

II.B.2.f The Sample Preparation baghouse shall control process streams from the sample preparation building crushing and grinding equipment. This baghouse shall be sized to handle at least 6,000 DSCFM. All exhaust air from the sample preparation crusher and grinder shall be routed through the baghouse before being vented to the atmosphere. [R307-401-8]

II.B.2.g The Electrowinning Acid Mist Eliminator shall control process streams from the electrowinning cells. This mist eliminator shall be sized to handle at least 8,000 actual CFM. Except during service, inspection, and cathode harvest, all exhaust air from the electrowinning cells shall be routed through the mist eliminator before being vented to the atmosphere. [R307-401-8]

II.B.2.h The solvent extraction tanks and the stripping mixer/settlers shall be covered at all times except during inspection, sampling, and adjustment. [R307-401-8]

II.B.2.i The concrete batch plant baghouse shall control all process streams from the concrete batch plant. This baghouse shall be sized to handle at least 3,900 DSCFM. All exhaust air from the concrete batch plant shall be routed through the baghouse before being vented to the atmosphere. [R307-401-8]

II.B.3 **Roads and Fugitive Dust**

II.B.3.a KUC shall abide by a FDCP acceptable to the Director for control of all dust sources associated with the BCM. The FDCP shall be updated and submitted on an annual basis to the Director by February 1 of every year. This plan shall contain sufficient controls to prevent an increase in PM_{10} emissions above those modeled for this AO. The haul road length, speed, or any other parameters used to calculate the emissions cannot be changed without prior approval from the Director, if the change would result in an increase in emissions above the limitations set in the FDCP. [R307-309]

II.B.3.b The BCM shall comply with all applicable requirements of UAC R307-205 and R307-309 for Fugitive Emission and Fugitive Dust sources. The provisions of R307-205 and R307-309 shall not apply to any sources for which limitations for fugitive dust or fugitive emissions are assigned pursuant to R307-401 or R307-305 nor shall they apply to agricultural or horticultural activities. [R307-309]

II.B.3.c Control of disturbed or stripped areas is required at all times (24 hours per day every day) for the duration of the project/operation until the area is reclaimed. Records of disturbed area, treatment and/or reclamation shall be kept for all periods when the BCM is in operation. [R307-309]

II.B.3.d Visible fugitive dust emissions from haul-road traffic and mobile equipment in operational areas shall not exceed 20% opacity at any point. Visible emission determinations shall use procedures similar to Method 9. The normal requirement for observations to be made at 15-second intervals over a six-minute period, however, shall not apply. Visible emissions shall be measured at the densest point of the plume but at a point not less than 1/2 vehicle length behind the vehicle and not less than 1/2 the height of the vehicle. [R307-309]

II.B.3.e Water sprays or chemical dust suppression sprays shall be installed at the following points that are not enclosed or have baghouses to control fugitive emissions:

A. All stationary and portable conveyor transfer points

B. All portable crusher and screening units shall have water spray at the input to the crusher and at the discharge points from the crusher.

The sprays shall operate whenever dry conditions warrant or as determined necessary by the Director.

[R307-309]

II.B.3.f The accessible surfaces of all uncovered storage piles shall be sprayed with water or chemical dust suppressants to minimize generation of fugitive dusts, as dry conditions warrant or as determined necessary by the Director. Records of water and/or chemical dust control treatment shall be kept for all periods when the plant is in operation. [R307-309]

II.B.3.g The opacity on active waste slopes shall not exceed 20%. Opacity observations shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9, but the requirement for observations to be made at 15-second intervals over a six-minute period shall not apply. At any time, KUC may propose a compliance method to UDAQ for approval prior to implementation. [R307-309]

II.B.3.h KUC shall use frequent watering or chemical dust suppressant to control road dust from all trafficked roads and areas in the mine. KUC shall submit an annual road dust control report, in conjunction with the FDCP, by February 1 of each calendar year, containing as a minimum the following:

A. A description of what dust control measures are planned for the coming year

B. A report of what dust control measures were actually completed during the past year

C. Specific elements of the report will include:

1) A map of all trafficked areas and roads associated with the mine, indicating which areas are planned for water and/or chemical dust suppressant treatment.

2) A description of the chemical dust suppressant and how it will be applied (application rate, application frequency, dilution rate, special application procedure, scarification, etc.).

3) A list of equipment dedicated either full or part time to the work area and for road dust control (number of water trucks, water capacity, number of graders, etc.).

4) A quantification of how much dust suppressant (gallons, tons) was applied the previous year and when and where it was applied.

5) A quantification of how much watering was accomplished the previous year (gallons, water truck operating hours).

6) A map outlining the pit influence boundary.

[R307-309]

II.B.3.i Wet drilling shall be performed for all blast holes. [R307-309]

II.B.3.j To minimize fugitive dust on roads at the BCM, KUC shall perform the following measures:

A. Apply water to all active haul roads located at the BCM as conditions warrant and in accordance with the FDCP, and shall

1) ensure the surface of the active haul roads located within the pit influence boundary consists of road base material, blasted waste rock, crushed rock, or chemical dust suppressant, and

2) apply a chemical dust suppressant to active haul roads located outside of the pit influence boundary no less than twice per year.

B. Ore conveyors shall be the primary means for transport of crushed ore from the BCM to the Copperton Concentrator.

C. Chemical dust suppressant shall be applied on unpaved access roads that receive haul truck traffic and light vehicle traffic as defined in the FDCP.

D. KUC shall use graders to perform haul road maintenance and clean-up activities as well as other operational functions. [R307-309-10]

E. If, for a 12-month period, the material movement by haul trucks is below 197,000,000 tpy of ore and waste rock combined, KUC may petition DAQ to revise the fugitive dust control measures above.

[R307-309-10]

II.B.4 **Monitoring Requirements**

II.B.4.a KUC shall operate two ambient monitoring stations to monitor PM_{10} as described in this AO. KUC shall submit a monitoring plan for these two monitoring stations. The monitoring plan shall be developed as outlined in the EPA document "Guidance for Quality Assurance Project Plans." The monitoring plan will be periodically reviewed and revised as necessary. Any changes must be approved by DAQ.

The installation and set-up of the air monitoring stations shall be completed within 90 days of the date of this AO and receipt of approval from federal land agencies where required. KUC shall complete the calibration and equipment testing within 30 days of the final set-up and installation. PM_{10} data collection shall begin within 30 days after the calibration and equipment testing has been completed.

The air monitoring stations shall remain in operation, at a minimum, until the BCM material moved has achieved a minimum of 234,000,000 TPY. If after that amount of material moved has been achieved and monitoring data indicates compliance with the NAAQS, KUC may petition DAQ to remove the air monitoring stations.

[R307-410]

II.B.4.b KUC shall operate and maintain one monitoring site in the vicinity of one of the top five highest modeled ground level emission concentrations near the lower Butterfield Canyon area. This area is along the southwest property boundary of the mine. The exact location of the monitoring site shall be approved by DAQ and meet all of the siting requirements established by DAQ. [R307-410]

II.B.4.c KUC shall operate and maintain one monitoring site in the town of Copperton. The exact location of the monitoring site shall be approved by DAQ and meet all of the siting requirements established by DAQ. [R307-410]

II.B.4.d KUC shall utilize federal reference method (FRM) or federal equivalent method PM_{10} monitors as specified in 40 CFR 53 and quality assurance procedures which are equal to or exceed the requirements described in the EPA Quality Assurance Manual including revisions, 40 CFR Parts 50, 53 and 58. [R307-410]

II.B.4.e If the PM_{10} concentrations measured are greater than 135Âµg/m3 (90% of the 24-hr PM_{10} NAAQS) and if such concentrations have been measured for more than one day per year on an average over three consecutive years, KUC shall conduct a review of mine operations and other potential sources and conditions such as the Natural Events Exception Criteria. If it is determined the BCM may be the source of the elevated ambient PM_{10} concentrations, KUC shall work with DAQ to review control practices and possible changes in practices to avoid future elevated concentrations. [R307-410]

II.B.4.f KUC shall submit quarterly data reports within 45 days after the end of the calendar quarter and an annual data report within 90 days after the end of the calendar year.

The quarterly report shall consist of a narrative data summary and a submittal of all data points in EPA-AIRS record format. The data shall be submitted on a compact disk (CD). The narrative data summary shall include:

A. A topographic map of appropriate scale with UTM coordinates and a true north arrow showing the air monitoring site locations in relation to the mine and the general area;

B. A hard copy of the individual data points;

C. The quarterly and monthly arithmetic means for PM_{10} at actual temperature and pressure;

D. The first and second highest 24-hour concentrations for PM_{10};

E. The quarterly and monthly wind roses;

F. A summary of the data collection completeness;

G. A summary of the reasons for missing data;

H. An audit summary;

I. A summary of any ambient air PM_{10} exceedances;

J. Calibration information; and

K. Laboratory reports (for exceedance filters).

The annual data report shall consist of a narrative data summary containing:

A. A topographic map of appropriate scale with UTM coordinates and a true north arrow showing the air monitoring site locations in relation to the mine and the general area;

B. A pollution trend analysis;

C. The annual arithmetic means for PM_{10};

D. The first and second highest 24-hour concentrations for PM_{10};

E. The annual wind rose;

F. Annual summaries of data collection frequency and completeness;

G. An annual summary of audit data;

H. An annual summary of any ambient standard exceedance;

I. Annual mine material moved in TPY;

J. Annual summary of analytical speciation results for detectible metals (for exceedance filters); and

K. Recommendations on future monitoring.

The Director may audit the air monitoring network, the laboratory performing associated analysis, and any data handling procedures at unspecified times. On the basis of the audits and subsequent reports, DAQ may recommend or require changes in the air monitoring system and associated activities in order to improve data quality and completeness.

[R307-410]

II.B.4.g KUC shall contract with an independent firm to conduct quarterly performance audits of its PM_{10} monitors.

Exposed PM_{10} filters that exceed 150 ug/m3 shall be analyzed for metals, and other constituents as requested by the Director. One filter blank per batch of ten filters or less shall also be submitted for analysis.

[R307-410]

II.B.4.h PM_{10} and meteorological data (wind speed, wind direction, and ambient temperature) shall be collected at each site. The meteorological tower shall be located within one mile of the monitor station. [R307-410]

II.B.5 **Pit Escape Fraction Study**

II.B.5.a Within 180 days of the issuance of AO DAQE-AN0105710028-11, dated June 27, 2011, KUC shall submit to the Director a protocol for a study to further evaluate the pit escape fraction at the BCM. Within two years of UDAQ approval of a protocol, the study shall be completed and the study report shall be submitted. The study report will be reviewed by an independent third party expert retained by UDAQ. The results of the study may be used to establish SIP and/or approval limitations on BCM operations as appropriate. [R307-410]

Section III: APPLICABLE FEDERAL REQUIREMENTS

In addition to the requirements of this AO, all applicable provisions of the following federal programs have been found to apply to this installation. This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including UAC R307.

NSPS (Part 60), A: General Provisions
NSPS (Part 60), LL: Standards of Performance for Metallic Mineral Processing Plants
NSPS (Part 60), OOO: Standards of Performance for Nonmetallic Mineral Processing Plants

PERMIT HISTORY

This AO is based on the following documents:

Supersedes	DAQE-AN105710032-13 dated January 28, 2013
Incorporates	Notice of Intent dated September 5, 2013
Incorporates	Additional Information dated September 23, 2013
Incorporates	Additional Information dated November 12, 2013
Incorporates	Additional Information dated November 5, 2013
Incorporates	Additional Information dated October 17, 2013
Incorporates	Additional Information dated October 11, 2013
Incorporates	Additional Information dated September 25, 2013
Incorporates	Additional Information dated September 25, 2013

ADMINISTRATIVE CODING

The following information is for UDAQ internal classification use only:

Salt Lake County
CDS B
NSPS (Part 60), Nonattainment or Maintenance Area, PM_{10} SIP / Maint Plan

ACRONYMS

The following lists commonly used acronyms and associated translations as they apply to this document:

40 CFR	Title 40 of the Code of Federal Regulations
AO	Approval Order
BACT	Best Available Control Technology
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CDS	Classification Data System (used by EPA to classify sources by size/type)
CEM	Continuous emissions monitor
CEMS	Continuous emissions monitoring system
CFR	Code of Federal Regulations
CMS	Continuous monitoring system
CO	Carbon monoxide
CO_2	Carbon Dioxide
CO_2e	Carbon Dioxide Equivalent - 40 CFR Part 98, Subpart A, Table A-1
COM	Continuous opacity monitor
DAQ	Division of Air Quality (typically interchangeable with UDAQ)
DAQE	This is a document tracking code for internal UDAQ use
EPA	Environmental Protection Agency
FDCP	Fugitive dust control plan
GHG	Greenhouse Gas(es) - 40 CFR 52.21 (b)(49)(i)
GWP	Global Warming Potential - 40 CFR Part 86.1818-12(a)
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
LB/HR	Pounds per hour
MACT	Maximum Achievable Control Technology
MMBTU	Million British Thermal Units
NAA	Nonattainment Area
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NO_x	Oxides of nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PM_{10}	Particulate matter less than 10 microns in size
$PM_{2.5}$	Particulate matter less than 2.5 microns in size
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
R307	Rules Series 307
R307-401	Rules Series 307 - Section 401
SO_2	Sulfur dioxide
Title IV	Title IV of the Clean Air Act
Title V	Title V of the Clean Air Act
TPY	Tons per year
UAC	Utah Administrative Code
UDAQ	Utah Division of Air Quality (typically interchangeable with DAQ)
VOC	Volatile organic compounds

State of Utah

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

Department of
Environmental Quality

Amanda Smith
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN105710035-13

June 25, 2013

Chris Kaiser
Kennecott Utah Copper LLC
4700 Daybreak Parkway
South Jordan, UT 84095

Dear Mr. Kaiser:

Re: Approval Order: Modification to Approval Order DAQE-AN105710030-11, to Add a New MH Pilot Plant and Remove the Hydraulic Roll Press Plant at the Copperton Concentrator
Project Number: N10571-0035

The attached document is the Approval Order for the above-referenced project. Future correspondence on this Approval Order should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. The project engineer for this action is Tad Anderson, who may be reached at (801) 536-4456.

Sincerely,

Bryce C. Bird
Director

BCB:TA:sa

cc: Mike Owens
Salt Lake Valley Health Department

STATE OF UTAH

Department of Environmental Quality

Division of Air Quality

APPROVAL ORDER: Modification to Approval Order DAQE-AN105710030-11, to Add a New MH Pilot Plant and Remove the Hydraulic Roll Press Plant at the Copperton Concentrator

Prepared By: Tad Anderson, Engineer
Phone: (801) 536-4456
Email: tdanderson@utah.gov

APPROVAL ORDER NUMBER

DAQE-AN105710035-13

Date: June 25, 2013

Kennecott Utah Copper LLC
Mine & Copperton Concentrator
Source Contact:
Ryan Evans, Senior Environmental Engineer
Phone: (801) 569-6449

Bryce C. Bird
Director

Abstract

Kennecott Utah Copper LLC (KUC) is requested a modification to the Copperton Concentrator AO DAQE-AN105710030-11 to add a new MH ore treatment Pilot Plant (MH Pilot Plant) and remove the Hydraulic Roll Press plant. Two lime silos from the Bingham Canyon Mine (BCM) will be moved to the Copperton Concentrator and will therefore now be a part of this AO. The material for the MH Pilot Plant will be delivered to an interim stockpile and then fed into a feed hopper and conveyed to a treatment plant located inside a building. All of the material going to the MH Pilot Plant will be treated and then subject to testing to determine the benefit gained by the treatment. All exhaust air from the MH Pilot Plant will be routed through a baghouse before being vented to the atmosphere. The baghouse has the grain loading of 0.01 grain per dry standard cubic foot and will operate 8,760 hours per year. This permit action qualifies as an Administrative Amendment under R307-401-12, "Reduction of Air Contaminants". However, due to the high level of public interest in KUC operations, the DAQ processed this permit action with a public comment.

Salt Lake County is a nonattainment area of the NAAQS for PM_{10}, $PM_{2.5}$ and SO_2, and is a maintenance area for ozone. NSPS, Subpart LL, (Standards of Performance for Metallic Mineral Processing Plants) applies to the Copperton Concentrator. Under the 1990 Clean Air Act the BCM and the Copperton Concentrator constitute an area source and not a major Title V source. The addition of the new MH Pilot Plant, relocation of the Bingham Canyon Mine lime silos and the removal of the Hydraulic Roll Press plant results in a net decrease of the potential point sources emissions as follows: PM_{10} = -9.28 and $PM_{2.5}$ = -11.60. The PTE for point sources are estimated as follows: PM_{10} = 25.3, $PM_{2.5}$ = 13.86, NO_x = 10.66, SO_2 = 0.10, CO = 9.87 and VOC = 4.04.

This air quality AO authorizes the project with the following conditions and failure to comply with any of the conditions may constitute a violation of this order. This AO is issued to, and applies to the following:

Name of Permittee:	**Permitted Location:**
Kennecott Utah Copper LLC 4700 Daybreak Parkway South Jordan, UT 84095	Mine & Copperton Concentrator 8362 W 10200 S Bingham Canyon, UT 84006

UTM coordinates: 407,000 m Easting, 4,493,000 m Northing, UTM Zone 12
SIC code: 1021 (Copper Ores)

Section I: GENERAL PROVISIONS

I.1 All definitions, terms, abbreviations, and references used in this AO conform to those used in the UAC R307 and 40 CFR. Unless noted otherwise, references cited in these AO conditions refer to those rules. [R307-101]

I.2 The limits set forth in this AO shall not be exceeded without prior approval. [R307-401]

I.3 Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved. [R307-401-1]

I.4 All records referenced in this AO or in other applicable rules, which are required to be kept by the owner/operator, shall be made available to the Director or Director's representative upon request, and the records shall include the two-year period prior to the date of the request. Unless otherwise specified in this AO or in other applicable state and federal rules, records shall be kept for a minimum of two (2) years. [R307-401-8]

I.5 At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded. [R307-401-4]

I.6 The owner/operator shall comply with UAC R307-107. General Requirements: Breakdowns. [R307-107]

I.7 The owner/operator shall comply with UAC R307-150 Series. Inventories, Testing and Monitoring. [R307-150]

Section II: SPECIAL PROVISIONS

II.A The approved installations shall consist of the following equipment:

II.A.1 **Plantwide**

Copperton Concentrator

II.A.2 **Feed Dryer Oil Heater**

One Feed Dryer Oil Heater for Product Molybdenite Dryer
Rated capacity 5.7 MMBtu/hr
Fuel type Natural gas
Product Molybdenite Dryer with Venturi Scrubber

II.A.3 **Product Dryer Oil Heater**

One Product Dryer Oil Heater* for Product Molybdenite Dryer
Rated capacity 2.2 MMBtu/hr
Fuel type Natural gas
Product Molybdenite Dryer with Venturi Scrubber
*This equipment is listed for informational purposes only.

II.A.4 **Molybdenite Storage Loading Facility**

Six Molybdenite Storage Bins

II.A.5 **Molybdenite Storage**

Two Molybdenite Storage Bins

II.A.6 **Cooling Towers**

Two Closed-circuit fluid cooling tower for motors used in the grinding circuit

II.A.7 **Loading Facility**

Molybdenite Bag Loading Facility

II.A.8 **Cleaning System**

Vacuum Cleaning System with Baghouse

II.A.9 **Ore Sorting Plant**

Ore Sorting Baghouse and Sample Preparation Baghouse

II.A.10 **Laboratory**

Metallurgical Laboratory with Two Baghouses

II.A.11 **Pebble Crushers**

Three Pebble Crushers with associated enclosed conveyors and enclosed drop points

II.A.12 **Degreasing Parts Washers**

II.A.13 **Gasoline Fueling Stations**

II.A.14 **Lime Silos**
Four Lime Silos

Controlled: bin vents

II.A.15 **Storage Tanks**

Three Storage tanks
Capacity: 25,000 Gallons (each)
Contents: Frother, Collector, and Fuel Oil

II.A.16 **Generator**

One Liquid Propane-fired Emergency Generator
Maximum rating: 75 Brake Horsepower

II.A.17 **Miscellaneous Combustion Sources**

Natural gas-fired equipment including water heaters or comfort heaters that are each individually rated at less than 5 MMBtu/hr. This equipment is listed for informational purposes only.

II.A.18 **Scrubbers**

Two lime slaker scrubbers
Type: Single Stage

II.A.19 **MH Pilot Plant**

Feed Hopper
Conveyor
Baghouse on HM Pilot Plant building with a control efficiency of 99%

II.B Requirements and Limitations

II.B.1 **Limitations and Testing Requirements**

II.B.1.a Visible emissions from the following emission points shall not exceed the following values:

A. Pebble Crushers (subject to NSPS, Subpart LL) - 7% opacity for building exterior

B. Cone Crusher (subject to NSPS, Subpart LL) - 10% opacity

C. Fugitive emission points (subject to NSPS, Subpart LL) - 10% opacity

D. Liquid Propane (LP) emergency generator - 10% opacity

E. All other points - 10% opacity

F. Baghouse on Molybdenite Storage Bins (subject to NSPS, Subpart LL) - 7% opacity

Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9.

For sources that are subject to NSPS, opacity shall be determined by conducting observations in accordance with 40 CFR 60.11(b) and 40 CFR 60, Appendix A, Method 9.

[R307-305-3]

II.B.1.b All Baghouses shall be operated as follows:

A. Whenever the vacuum cleaning system is in use, all exhaust gases from the vacuum cleaning system shall pass through the baghouse.

B. All exhaust gases from the metallurgical laboratory sample preparation hoods shall pass through an operating baghouse.

[R307-401-8]

II.B.1.c KUC shall notify the Director in writing when the new HM Pilot Plant is installed and is operational. To ensure proper credit when notifying the Director, send your correspondence to the Director, attn: Compliance Section.

AOs issued by the Director in accordance with the provisions of R307-401 will be reviewed 18 months after the date of issuance to determine the status of construction, installation, modification, relocation or establishment. In 18 months from the date of this AO, the Director shall be notified in writing on the status of the plant construction and installation of the equipment. If a continuous program of construction, installation, modification, relocation or establishment is not proceeding, the Director may revoke the AO.

[R307-401]

II.B.2 **Monitoring - General Practices**

II.B.2.a The following operating parameters shall be continuously monitored:

A. Pressure drop through every wet scrubber

B. Liquid flow rate through every wet scrubber

All of the wet scrubbers shall comply with 40 CFR 60.384 and 60.385.

[R307-401-8]

II.B.3 **Roads and Fugitives**

II.B.3.a To control fugitive emissions the following controls shall be applied:

A. A baghouse shall control the PM_{10} and $PM_{2.5}$ from the MH Pilot Plant.

B. All Copperton milling conveyors shall be partially enclosed.

C. All Copperton milling conveyor transfer points shall be enclosed.

D. The pebble crushers shall be enclosed in a building.

[R307-309]

II.B.3.b Water sprays or chemical dust suppression sprays shall be installed at the following points to control fugitive emissions:

A. All Semi-Autogenous Grinding mill feed conveyors

B. All pebble crusher feed conveyors
The sprays shall operate whenever dry conditions warrant or as determined necessary by the Director.

[R307-309]

II.B.4 **Fuels**

II.B.4.a KUC shall use only natural gas as a primary fuel and liquid propane as a backup fuel in the Dryer Oil Heaters and liquid propane as a fuel for the emergency generator. [R307-401-8]

Section III: APPLICABLE FEDERAL REQUIREMENTS

In addition to the requirements of this AO, all applicable provisions of the following federal programs have been found to apply to this installation. This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including UAC R307.

NSPS (Part 60), A: General Provisions
NSPS (Part 60), LL: Standards of Performance for Metallic Mineral Processing Plants
Title V (Part 70) area source

PERMIT HISTORY

This AO is based on the following documents:

Is Derived From	Notice of Intent dated December 17, 2012
Supersedes	Approval Order DAQE-AN105710030-11 dated September 8, 2011
Incorporates	Additional Information dated February 8, 2013

ADMINISTRATIVE CODING

The following information is for UDAQ internal classification use only:

Salt Lake County
CDS A
NSPS (Part 60), Nonattainment or Maintenance Area, Title V (Part 70) area source, PM_{10} SIP / Maint Plan

ACRONYMS

The following lists commonly used acronyms and associated translations as they apply to this document:

40 CFR	Title 40 of the Code of Federal Regulations
AO	Approval Order
BACT	Best Available Control Technology
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CDS	Classification Data System (used by EPA to classify sources by size/type)
CEM	Continuous emissions monitor
CEMS	Continuous emissions monitoring system
CFR	Code of Federal Regulations
CMS	Continuous monitoring system
CO	Carbon monoxide
CO_2	Carbon Dioxide
CO_2e	Carbon Dioxide Equivalent - 40 CFR Part 98, Subpart A, Table A-1
COM	Continuous opacity monitor
DAQ	Division of Air Quality (typically interchangeable with UDAQ)
DAQE	This is a document tracking code for internal UDAQ use
EPA	Environmental Protection Agency
FDCP	Fugitive dust control plan
GHG	Greenhouse Gas(es) - 40 CFR 52.21 (b)(49)(i)
GWP	Global Warming Potential - 40 CFR Part 86.1818-12(a)
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
LB/HR	Pounds per hour
MACT	Maximum Achievable Control Technology
MMBTU	Million British Thermal Units
NAA	Nonattainment Area
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NO_x	Oxides of nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PM_{10}	Particulate matter less than 10 microns in size
$PM_{2.5}$	Particulate matter less than 2.5 microns in size
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
R307	Rules Series 307
R307-401	Rules Series 307 - Section 401
SO_2	Sulfur dioxide
Title IV	Title IV of the Clean Air Act
Title V	Title V of the Clean Air Act
TPY	Tons per year
UAC	Utah Administrative Code
UDAQ	Utah Division of Air Quality (typically interchangeable with DAQ)
VOC	Volatile organic compounds

State of Utah

Department of
Environmental Quality

Dianne R. Nielson, Ph.D.
Executive Director

DIVISION OF AIR QUALITY
Richard W. Sprott
Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

DAQE-AN0501011-04

December 15, 2004

Paula H. Doughty
Kennecott Barneys Canyon Mining Company
8200 South 9600 West
P.O. Box 311
Bingham Canyon, Utah 84006-0311

Dear Ms. Doughty:

Re: Approval Order: Modification to Approval Order DAQE-986-99, Barneys Canyon, Reducing Emissions, Salt Lake County, CDS SM; NA
Project Code: IN0501-011

The attached document is the Approval Order (AO) for the above-referenced project.

Future correspondence on this Approval Order should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. Please direct any technical questions you may have on this project to Mr. Nando Meli. He may be reached at (801) 536-4052.

Sincerely,

Richard W. Sprott, Executive Secretary
Utah Air Quality Board

RWS:NM:jc

CC: Salt Lake Valley Health Department
Mike Owens, EPA Region VIII

STATE OF UTAH

Department of Environmental Quality

Division of Air Quality

APPROVAL ORDER: MODIFICATION TO APPROVAL ORDER DAQE-986-99, BARNEYS CANYON, REDUCING EMISSIONS

Prepared By: Nando Meli, Engineer
(801) 536-4052
Email: nmeli@utah.gov

APPROVAL ORDER NUMBER

DAQE-AN0501011-04

Date: December 15, 2004

Kennecott Barneys Canyon Mining Company
Source Contact
Paula H. Doughty
(801) 56-7120

Richard W. Sprott
Executive Secretary
Utah Air Quality Board

Abstract

Kennecott Barneys Canyon Mine finished the mining phase of its operation at the end of 2001. Reclamation of the mine area was completed in 2002. Heap leaching and gold recovery will continue for a number of years into the future. Once heap leaching is finished, the heaps will be reclaimed or removed. These changes have significantly reduced Barneys Canyons' emissions of particulate matter, oxides of nitrogen (NOx), and sulfur dioxide (SO_2). Kennecott has requested that the Approval Order, DAQE-986-99, dated December 15, 1999, be modified to reflect these changes. Salt Lake County is a Non-attainment area of the National Ambient Air Quality Standards (NAAQS) for PM_{10} and SO_2, and is a Maintenance area for Ozone. New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP) and Maximum Available Control Technology (MACT) regulations do not apply to the Barneys Canyon mine. Title V of the 1990 Clean Air Act does not apply to the Barneys Canyon Mine. The current AO had the potential to emit (PTE) emissions estimated at 515 tons per year (tpy) for PM_{10}, SO_2 and NO_x combined. Kennecott has now estimated that the PTE at 95.99 tpy.

The project has been evaluated and found to be consistent with the requirements of the Utah Administrative Code Rule 307 (UAC R307). A public comment period was held in accordance with UAC R307-401-4 and no comments were received. This air quality Approval Order (AO) authorizes the project with the following conditions, and failure to comply with any of the conditions may constitute a violation of this order.

General Conditions:

1. This AO applies to the following company:

   Kennecott Barneys Canyon Mining Company
   8200 West 9600 South
   P.O. Box 311
   Bingham Canyon, Utah 84006-0311
   Phone Number: (801) 569-7110
   Fax Number: (801) 569-7190

   The equipment listed below in this AO shall be operated at the following location:

   In the Oquirrh Mountains West of Salt Lake City, Utah

   Universal Transverse Mercator (UTM) Coordinate System: UTM Datum NAD27
   4,494.3 kilometers Northing, 404.8 kilometers Easting, Zone 12

2. All definitions, terms, abbreviations, and references used in this AO conform to those used in the Utah Administrative Code (UAC) Rule 307 (R307) and Title 40 of the Code of Federal Regulations (40 CFR). Unless noted otherwise, references cited in these AO conditions refer to those rules.

3. The limits set forth in this AO shall not be exceeded without prior approval in accordance with R307-401.

4. Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved in accordance with R307-401-1.

5. All records referenced in this AO or in applicable NSPS requirements which are required to be kept by the owner/operator, shall be made available to the Executive Secretary or Executive Secretary's representative upon request, and the records shall include the two-year period prior to the date of the request. Records shall be kept for the following minimum periods:

   A. Emission inventories Five years from the due date of each emission statement or until the next inventory is due, whichever is longer.

   B. All other records Two years

6. Kennecott Barneys Canyon Mining Company and shall conduct its operations of the Barneys Canyon Gold Mine in accordance with the terms and conditions of this AO, which was written pursuant to Kennecott's Notice of Intent (NOI) submitted to the Division of Air Quality (DAQ) on June 2, 2004, and additional information submitted to the DAQ on October 28, 2004.

7. Regardless of any inconsistency between conditions of this AO and Section IX, Part H, and Subparts H.2.b.AA of Section IX, Part H (Emission Limitations) of the SIP, this AO shall take precedence as provided by R307-305-2, UAC.

8. This AO shall replace the AO (DAQE-986-99) dated December 15, 1999.

9. The approved installations shall consist of the following equipment or equivalent*:

   A. Acid digestion process fume scrubber

Manufacturer:	Harrington*
Scrubber Type:	Packed tower with mesh pad
Liquid Recirculation Rate:	No less than 9 GPM
Scrubbing Medium:	Caustic solution

   B. Haul Trucks
   C. Loaders
   D. Graders
   E. Bulldozers
   F. Propane Heaters
   G. Water Trucks
   H. Lab Equipment
   I. Utility Vehicles
   J. Cranes
   K. Forklifts
   L. Light Plants
   M. Carbon Regeneration Kiln
   N. Various small engine powered mobile equipment

   * Equivalency shall be determined by the Executive Secretary.

10. The hydrometallurgical process fume scrubber shall control process streams from the acid digestion process. This wet scrubber shall be sized to handle at least 300 ACFM for the existing conditions. All exhaust air from the acid digestion process shall be routed through the wet scrubber before being vented to the atmosphere.

Limitations and Tests Procedures

11. Visible emissions from the following emission points shall not exceed the following values:

    A. All fume hoods - 5% opacity
    B. All propane heaters - 5% opacity
    C. All laboratory emission points - 5% opacity
    D. Cyanide mixing tank - 5% opacity
    E. Carbon acid wash - 5% opacity
    F. Carbon stripping - 5% opacity
    G. Carbon regeneration - 5% opacity
    H. Acid digestion process fume scrubber - 15% opacity
    I. All other stationary points and fugitive dust sources - 20% opacity

    Opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9.

Roads and Fugitive Dust

12. The facility shall abide by all applicable requirements of UAC R307-309 for PM_{10} nonattainment areas for Fugitive Emission and Fugitive Dust sources. The provisions of R307-309 shall not apply to any sources for which limitations for fugitive dust or fugitive emissions are assigned pursuant to R307-401 or R307-305 nor shall they apply to agricultural or horticultural activities.

13. Kennecott shall abide by a fugitive dust control plan acceptable to the Executive Secretary for control of all dust sources associated with the Barneys Canyon Gold Mine. Kennecott shall abide by the most current fugitive dust control plan approved by the Executive Secretary. Kennecott has submitted to the Executive Secretary for approval a fugitive dust control plan to monitor and control emissions from the following nonstationary sources:

    A. Front-end loading
    B. Truck-dumping
    C. Bulldozing (excluding pioneering)
    D. Operations area
    E. Haul road traffic
    F. Waste dump push slopes

    A copy of the plan that was revised on September 23, 2004, is included in Appendix A. The plan, or portions of the plan, may be revoked if directed by the Executive Secretary. Modifications of the fugitive dust control plan may be made with consent of the Executive Secretary without processing a new AO.

14. The haul roads shall be treated with water or magnesium chloride solution and shall be treated in accordance with the fugitive dust control plan attached as Appendix A to this AO.

15. All storage piles shall be sprayed with water or chemical dust suppressants as dry conditions warrant or as determined necessary by the Executive Secretary.

16. The pH of the leaching solution shall be no less than 10.0 at all times. The pH shall be continuously monitored. The readout for each leaching pile shall be located where an inspector can safely read the pH at any time. Continuous recording of the pH on strip charts or another similar recording device is required. The continuous monitoring system shall be subject to R307-170, UAC, which deals with monitoring reports. All continuous monitoring data shall be kept by the source for a minimum period of two years after the date on which emissions occurred and shall be made available to the Executive Secretary upon request.

17. During reclamation, all unpaved roads and other unpaved operational areas which are used by mobile equipment shall be water sprayed and/or chemically treated to reduce fugitive dust. Control is required at all times (24-hours per day every day) for the duration of the project/operation. The application rate of water shall be a minimum of 0.25 gallons per square yard. Application shall be made at least once every two hours during all times the installation is in use unless daily rainfall exceeds 0.10 inches or unless the road is in a muddy/damp/moist condition or unless it is below freezing. If chemical treatment is to be used, the plan must be approved by the Executive Secretary. Records of water treatment shall be kept for all periods when the plant is in operation. The records shall include the following items:

    A. Date
    B. Number of treatments made, dilution ratio, and quantity
    C. Rainfall received, if any, and approximate amount
    D. Time of day treatments were made

    Records of treatment shall be made available to the Executive Secretary upon request and shall include a period of two years ending with the date of the request.

18. The sulfur content of diesel fuel oil burned in the equipment engines shall not exceed 0.026 pounds of sulfur per million BTU heat input as determined by ASTM Method D-4294-89 or equivalent as determined by the Executive Secretary. This represents less than 0.05% sulfur by weight in the fuel oil, 137,000 BTU/gal, and 7.05 lb/gal. The sulfur content shall be tested if directed by the Executive Secretary.

    The consumption of diesel fuel shall not exceed 500,000 gallons per rolling 12-month period. Kennecott shall calculate a new 12-month total based on the first day of each mine accounting month using data from the previous 12 months. Records of consumption shall be kept for all periods when the plant is in operation. Records of consumption, including rolling 12-month totals shall be made available to the Executive Secretary or a representative upon request and shall include a period of two years ending with the date of the request.

Records & Miscellaneous

19. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded.

20. The owner/operator shall comply with R307-150 Series. Inventories, Testing and Monitoring.

21. The owner/operator shall comply with R307-107. General Requirements: Unavoidable Breakdowns.

The Executive Secretary shall be notified in writing if the company is sold or changes its name.

This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including R307.

A copy of the rules, regulations and/or attachments addressed in this AO may be obtained by contacting the DAQ. The Utah Administrative Code R307 rules used by DAQ, the NOI guide, and other air quality documents and forms may also be obtained on the Internet at the following web site:
http://www.airquality.utah.gov/

The annual emission estimations below include point source, fugitive emissions, road dust, and fugitive dust, and do not include tail pipe emissions and grandfathered emissions. These emissions are for the purpose of determining the applicability of Prevention of Significant Deterioration, non-attainment area, maintenance area, and Title V source requirements of the R307. They are not to be used for determining compliance.

The Potential To Emit (PTE) emissions for the Kennecott Barneys Canyon Mine listed in this document are currently calculated at the following values:

	Pollutant	Tons/yr
A.	PM_{10}	17.97
B.	SO_2	1.77
C.	NO_x	76.25
D.	CO	31.67

E. VOC 3.61
F. HAPs
Aldehydes 1.80
Total HAPs 1.80

Approved By:

Richard W. Sprott, Executive Secretary
Utah Air Quality Board

Appendix A

KENNECOTT BARNEYS CANYON MINE
FUGITIVE DUST CONTROL PLAN

(Revised September 2004)

Kennecott Barneys Canyon Mine finished the mining phase of its operation at the end of 2001. Reclamation of the mine area was completed in 2002. Heap leaching and gold recovery will continue for a number of years into the future. Due to minimal activity on site and few employees working on site, fugitive dust due to human activity should be minimal or non-existent. To maintain dust control, the areas of the operation in use will be inspected on a daily basis to ensure conditions have not changed whereas a dust problem may develop. The following are sources of potential fugitive dust. Control of each potential source is described below.

A. Front-End Loading
B. Bulldozing
C. Roads

A. Front End Loading

Occasional loading of material from a stockpile may occur. The inherent moisture content of the material will normally require no additional controls. If dusting conditions are encountered due to wind action, etc., loading will be rescheduled.

B. Bulldozing

Reclamation and work on the leach piles will normally not cause fugitive dust due to the inherent moisture content of the material from the leaching process. If weather conditions are such that fugitive dust becomes a problem, rescheduling of the activities will be done.

C. Roads

The Barneys Canyon entrance road is paved. If material is tracked onto the road causing dust problems, the paved areas will be either washed using a water truck or cleaned by the use of a street type sweeper. Unpaved areas within the operation are normally not a problem for fugitive dust to minimal traffic from few vehicles on site. If fugitive dust from those areas were to become a problem, roads will either be watered or chemically treated to minimize dust.

3. Condition W.3 limits the opacity of processes and haul truck traffic at the mine. 40 CFR Subpart LL (Standards of Performance for Metallic Mineral Processing Plants) 60.382(a)(1) limits the baghouse emission points to 7% opacity. The process fugitive emissions are limited in 60.382(b) to 10% opacity. These are federally approved rules. The material movement emissions are required to be minimized and do not have an opacity limit.

3. Visible emissions from the following emission points shall not exceed the following values:

A. Crushers - 7% opacity
B. Conveyor transfer points equipped with baghouses - 7% opacity
C. All other conveyor transfer points - 10% opacity
D. Lime silo - 10% opacity
E. Unpaved ore haul roads, front-end loading, truck dumping, stockpiles, blasting area - minimize emissions
F. Drilling - 10% opacity
G. All other points - 10% opacity

Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9.

4. Condition W.4 and W.5 limits and requires testing of the baghouse emissions rates for in-pit crusher and conveyor drop points. 0.016 grains/dscf is equal to 0.037 grams/dscm. Subpart LL limits the emission rate to 0.05 gr/dscm. This is higher but the total emission rate for the crusher is 1.77 lb PM10/hr which is 7.75 tons per year. This rate would be less if the in-pit retention rate was applied. This rate is lower than any of the sources that have stack testing in the PM2.5 SIP or the approved 2002 Utah County PM10 SIP.

4. Emissions to the atmosphere from the indicated emission point shall not exceed the following rates and concentrations:

A. In-pit Crusher Baghouse Vent

PM_{10}	1.77 lbs/hr	0.016 grains/dscf

B. Two (2) Controlled Drop Point Baghouse Vents Near Copperton

PM_{10}	0.22 lbs/hr	0.016 grains/dscf

5. Condition W.5 requires testing of the baghouse emissions rates for in-pit crusher and conveyor drop points.

5. **Stack testing to show compliance with the above emission limitations shall be performed for the following emission points and air contaminants, as determined by the following test methods in accordance with 40 CFR 60, Appendix A, and as directed by the Executive Secretary:**

   A. **In-pit Crusher Baghouse Vent - PM_{10} 201/201a (Test every 3 years)**

   B. **Two (2) Controlled Drop Point Baghouse Vents Near Copperton - PM_{10} 201/201a, (Test every 3 years)**

6. Condition W.6 is for the waste dump and does not limit the PM emissions. Kennecott does not place waste material on the dump face and now places waste material in the Bingham Canyon.

6. **The height of the mine waste dump lift shall not exceed 1000 feet.**

7. Conditions W.7 and W.8 limit the PM10 emissions by setting opacity standards on the active waste dumps and the requirements to control them. This requires the Executive Secretary (Director) to establish a fugitive dust control plant.

7. **The owner/operator shall provide to the Executive Secretary for approval a plan to keep trigger opacity on active waste slopes at less than 20% opacity. Average opacity emissions from the active waste dump push slopes shall not exceed 20%. To insure that 20% opacity is not exceeded, the waste dump slopes shall be monitored by Kennecott.**

   If the 20% trigger opacity limitation cannot be met on any waste dump slope, action shall be initiated to prevent excesses of 20% trigger opacity by applying additional and/or alternate control measures, as defined in the fugitive dust control plan, as approved by the Executive Secretary.

   Trigger opacity observations shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9 with the following exceptions:

   Opacity observations shall only be taken while a batch of dumped material is in motion.

   One reading shall consist of an accumulation of three (3) minutes of trigger opacity observations taken over the material in motion.

Condition W.8 requires alternative controls if the opacity for the active waste dumps are being exceeded. This requires Kennecott to meet with the Executive Secretary to discuss additional measures..

8. If Kennecott or the Executive Secretary, UACC determines that the trigger opacity is being exceeded and existing alternate control measures have been exhausted, Kennecott shall meet with the Executive Secretary, or his staff, to discuss additional or modified fugitive dust controls/operational practices and an implementation schedule for such within five working days after verbal notification by either party.

9. Kennecott Utah Copper will use frequent watering or approved chemical dust suppressant to control road dust from all trafficked roads and areas in the mine. Kennecott Utah Copper will submit an annual road dust control report, in conjunction with the fugitive dust control plan, by February 1 of each calendar year, containing as a minimum the following:

   A. A description of what dust control measures are planned for the coming year.

   B. A report of what dust control measures were actually completed during the past year.

   C. Specific elements of the report will include:

      1. A map of all trafficked areas and roads associated with the mine, indicating which areas are planned for treatments with water and/or chemical dust suppressant.

      2. A description of what chemical dust suppressant will be used if used and how it will be applied (application rate, application frequency, dilution rate, special application procedure, scarification, etc.).

3. A list of equipment dedicated either full or part time to work area and road dust control (# of water trucks, water capacity, # graders, etc.).

4. A quantification of how much dust suppressant (gallons, tons) was applied the previous year, and when and where it was applied.

5. A quantification of how much watering was accomplished the previous year (gallons, water truck operating hours).

10. Condition W.10 sets parameters. The 30,000 daily mileage limit has been brough forward into the PM2.5 and PM10 SIPs. The new trucks are required to meet a minimum payload of 240 tons in AO DAQE-AN10571-0036-14. In the future Kennecott will be mining the ore body by underground methods. This limit would prevent them for mining underground.

11. Condition 11

11. Wet drilling shall be performed for all blast holes.

12. Condition 12The lime silo

12. The lime silo shall be equipped with a fabric type bin vent control unit.

13. Condition 13 is for uncovered storage piles.

13. All uncovered storage piles shall be sprayed with water or dust suppressants as dry conditions warrant or as determined necessary by the Executive Secretary.

14. Condition W.14 is for the sulfu content of fuel. This has bee replaced by the requirement of using ultra low sulfur fuel.

14. The sulfur content of diesel fuel oil burned in the equipment engines shall not exceed 0.21 pound of sulfur per million BTU heat input as determined by ASTM Method D-4294-89. (This represents 0.4% sulfur by weight in the fuel oil, 137,000 btu/gal, and 7.05 lb/gal). After December 31, 1993, the sulfur content of diesel fuel oil burned in the equipment engines shall not exceed 0.03 pound of sulfur per million BTU heat input as determined by ASTM Method D-4294-89. (This represents 0.05% sulfur by weight in the fuel oil, 137,000 btu/gal, and 7.05 lb/gal). The sulfur content shall be tested if directed by the Executive Secretary. Fuel consumption shall not exceed 27,500,000 gal/yr. Fuel consumption shall be determined by mine records of diesel fuel oil purchased.

15. Condition 15 requires Kennecott to meet the requirements in 40 CFR suparts A and LL.

15. In addition to the requirements of this approval order, all provisions of 40 CFR 60, NSPS Subparts A and LL apply to the mineral processing portion of this source.

16. Condition W.16 requires opacity observations to be performed according to Appendix A Method 9 for NSPS sources. This is already required by the subpart.

16. For sources which are subject to NSPS, visible emission observations which are performed during the initial compliance inspection shall consist of 30 observations of six minutes each in accordance with 40 CFR 60, Appendix A, Method 9. It is the responsibility of the owner/operator of the source(s) to supply these observations to the Executive Secretary. Emission points which are subject to NSPS shall include the following:

A. All ore crushers
B. All conveyor transfer points associated with the crushing and conveying of ore

17. The provisions of COnditoin 17 are required in the general conditions of the PM10 SIP and by rule 4307-100,

17. All installations and facilities authorized by this approval order shall be adequately and properly maintained.

18, This condition has bee superseded as allowed under Condition H.2.a.H in Section IX of the federally approved 1994 PM10 SIP.

18. Annual emissions for this source (the entire Bingham Canyon pit and ore handling operations) are currently calculated at 2801 tons/yr for PM_{10}, 78 tons/yr for SO_2, 4048 tons/yr for NO_x.