ADMINISTRATIVE RECORD
SF File Number
1140000
stack emissions

DRAFT

1262279 - R8 SDMS

1.14

DRAFT

Lbs/qtr

	#/quarter Actual	Design	Controlled
(1P) Sample Mill Baghouse Stx.	3.5	85.4	22.3
(2P) Laboratory Assay Stx.	13.2	234.0	48.3
(3P) Crushing M BH Stx. #1-Crush[1]	6.0	484.0	0.0
(3Pa) Crushing M BH Stx. #1-Sint[1]	564.0	655.0	197.0
(4P) Crushing M BH Stx. #2-Crush[1]	2.2	214.0	0.0
(4Pa) Crushing M BH Stx. #2-Sint.	12.3	404.0	49.7
(5P) Crushing M BH Stx. #3	0.5	39.8	0.0
(6P) CSHB Baghouse Stx.	8795.1 malf. 9 mos.	7066.0[2]	9682.0
(7P) Sinter Baghouse Stx.	966.0	4014.1	4561.9
(8P) Acid Plant Stx.	40.0	185.0	154.0
(9P) Sinter Storage BH Stx.	191.0	?	0.0
(10P) Tetrahedrite Drier BH Stx.	0.5	11.8	4.9
(11P, 12P, 13P, & 14P) Ktle Vts.	82.2	?	0.0
(15P) Speiss Pit Stack	25.6	?	0.0
(16P) Blast Furnace BH Stack	2564.0	15308.0	8201.0
(17P) Acid Dust Bin BH stx.	130.0	?	0.0
(18P) Zinc Furnace BH stx.	0.0	?	0.0
(20P) American Chemet Pyromet	50.0	205.0	30.8
(21P) New Baghouse Stack[3]	0.0	?	13706.0
Total	13437.9		36735.3 **

Volume Sources: (low level sources)

(1V) Crushing Mill Area Bldg	139.0	1713.0	0.0
(1Va) Crushing Mill Track Hopper	21.3	154.0	0.0
(1Vb) Crushing Mill Product Conv.	10.7	77.0	0.0
(2V) Hopto Unldg & Blt BH Dt Hdlg	180.0	411.0	180.0
(3V) Old Ore Storage Yard	248.0	837.0	256.0
(4V) High Grade Building Dump.	0.0	0.8	0.8
(6V) Sinter Building	155.0	1531.0	77.0
(7V) Cottrell Penthouse	84.0	108.0	108.0
(8Va) Breaking Floor Bldg	9.0	5.1	5.1
(8Vb) Blast Furnace Charge bldg	16.7	17.7	17.7
(8Vf) Sinter Handling Payloader	254.0	720.0	476.0
(8Vh) Matte Handling Payloader	16.0	12.9	12.9
(8Vi) Charging Direct Smelt	0.1	378.0	100.0
(8Vk) Byproduct Dt. to 47 Feeder	359.0	1244.0	2.2
(9V) Blast Furnace Feed Floor	335.0	559.0	56.0
(10V) Blast Furnace Tapping	176.0	263.0	176.0
(11V) Slag Handling Facility	67.7	156.0	84.6
(12V) Slag Pile Dumping	72.9	169.0	60.6
(13V) Dross Plant[4]	3444.0		0.0
(15V) Speiss Handling Facility	0.9	1.9	1.9
(16V) Transfer Tetrahedrite to D.	0.0	0.3	0.3
(17V) Acid Dt. Bin Bldg.	25.6	29.6	0.0
(17Va) Acid Dt. Conveyor Drop	506.0	2273.0	0.0
(18V) Blast Furnace BH Cleanout	213.0	392.0	353.0
(19V) Blast Furnace Flue Cln.	21.5	116.0	80.3
(20V) Zinc Plant Building	0.0	2396.0	0.0
(21V) Zinc Plant BH Bldg.	0.0	96.5	0.0
Total	6355.4		1948.4 **

425855

This incr. is the worst

Area Sources:

(1A) Asarco Wind Erosion	24.2	24.2
(2A) Asarco Unpaved Roads	27.0	6.2
(3A) Asarco Paved Roads	1258.9	289.5
(EHNWE) East Helena Nonwind	8762.8[5]	5952.2
(EHR) East Helena Wind Erosion	53.1[6]	53.1
Total	10126.0	6325.2 **
GRAND TOTAL	32830.7	45008.6

1. Not used in before and after calculations
2. Actual is higher than design emissions because the facility was in noncompliance.
3. These were roof monitor emissions which will now be vented through the blast furnace stack or the new baghouse and stack (21P).
4. The Dross building emissions will be redirected to the new baghouse or the blast furnace baghouse and emissions are shown there.
5. Based upon worst case quarter--summer.
6. Based upon worst case quarter--spring.