

PROCESS/FACILITY MINE

PLANT KING CITY

COMPLETED BY R. A. MARSTEN

DATE 12/72

VII. - STORAGE TANKS

Tank No.	Size (Gc)	Type	Contents	Sp Gr	MW	Odor	Mat'l of Const.	Dia. (ft)	Ht. (ft)	Press (psi)
1	880	A	DIESEL FUEL				STEEL			
2	880	A	DIESEL FUEL				"			
3	550	A	GASOLINE				"			
4	550	A	GASOLINE				"			
5	6600	A	WATER				"	10'	10'	

PLAINTIFF'S EXHIBIT

UC-726

* Type A - Atmospheric, PV - Pressure Vented, PNV - Pressure Non Vented, FR - Floating Roof,
B - Bin, S - Silo

Pollution Abatement Devices

DIESEL FUEL TANKS ARE DYKED

GASOLINE TANKS ARE 10 FT ABOVE GROUND NOT DYKED

Handling and Cleaning (Emissions)

PROCESS SURVEY - ENVIRONMENTAL IMPACT ANALYSIS

PROCESS MINE
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IX - NOISE EMISSIONS

A. Abnormal Noise Emissions (above 85 Decibels, dBA)				
Source	Location (In/Out Doors)	Sound Pressure (dBA)	At Distance (ft)	Exposure (Hrs/Shift)
FRONT END LOADER	OUT	*		6 1/2
CAT DOZER	OUT	*		6 1/2
SCREENING OPERATION	OUT	^		1

B. Sound Pressure and Range in Usual Work Areas (Provide data if available)			
Location	Sound Pressure (dBA)	Range (dBA)	Remarks

C. Noise Emissions to Public				
Source	Location Measured	Sound Pressure (dBA)	Distance from Plant Boundary	Hrs/day

D. Abnormal Noise Abatement Plans or Protective Measures				
* NO SOUND SURVEY DATA AVAILABLE HOWEVER SIMILAR EQUIPMENT 90+ DECIBELS IN CAB				
OPERATORS REQUIRED TO WEAR EAR MUFFS				

A10576

AGONY

IV. AIR EMISSIONS

(1) Stream No. A- /		(3) Usual Lb/Day	(4) Abnormal Lb/Hour
(2) Component	Wt %		
ASBESTOS			
Total			
(5) Abnormal Emissions:	Frequency		
	Duration		

(6) Name FUGITIVE DUST 6A SCEN —

(7) Discharge To— Air Flare Incinerator

(8) Frequency—Continuous When Mining or Drilling Wk/Mo/Yr —

(9) Outlet: Dimension in. Pipe, Duct, Stack; Height —

(10) Temperature Ambient °F (11) Visibility—None, Mist, Solid, Steam,
Color _____

(12) Odor —[None] Slight, Moderate, Strong; Quality _____

(13) Emission Reduction Device WATER SPRAYS Installed 1972

(14) Reduces What? Dust (15) Efficiency _____

(16) How Abnormal Emissions Detected and Corrected _____

(17) Notes All Samples Show <5 Particles/ml
5 Microns or Greater

[illegible]

PROCESS/FACILITY MINE PLANT KING CITY COMPLETED BY R.O. MARSDEN DATE 12/72

IV. AIR EMISSIONS

L'CO: A

(1) Stream No. A-3	(2) Component	Wt %	(3) Usual Lb/Day	(4) Abnormal Lb/Hour	(6) Name <u>ORE SCREENING DUST</u>	(7) Discharge To- <u>Air</u> Flare Incinerator	(8) Frequency-Continuous <u>9</u> Hr/D D/Wk Wk/Mo Mo/Yr <u>5 Mo</u>	(9) Outlet: Dimension <u>—</u> in. Pipe, Duct, Stack; Height <u>—</u>	(10) Temperature <u>—</u> °F (11) Visibility-None, Mist, <u>Solids</u> Steam, Color <u>—</u>	(12) Odor - <u>None</u> Slight, Moderate, Strong; Quality <u>—</u>	(13) Emission Reduction Device <u>WATER SPRAYS</u> Installed <u>—</u>	(14) Reduces What? <u>Asbestos Dust</u> (15) Efficiency <u>—</u>	(16) How Abnormal Emissions Detected and Corrected <u>VISUAL - RESPIRATORS WORN ON WINDY DAYS AT OPERATOR DISCRETION</u>	(17) Notes <u>WATER IS SPRAYED ON ORE PILE + SCREENING + LOADING OPERATION AT RATE 2500 GPH</u>
Total:														
Abnormal Emissions: Frequency														
Duration														

(1) Stream No. A-5	(2) Component	Wt %	(3) Usual Lb/Day	(4) Abnormal Lb/Hour	(6) Name <u>GASOLINE EXHAUST</u>	(7) Discharge To- Air Flare Incinerator	(8) Frequency-Continuous <u>—</u> Hr/D D/Wk Wk/Mo Mo/Yr <u>—</u>	(9) Outlet: Dimension <u>—</u> in. Pipe, Duct, Stack; Height <u>—</u>	(10) Temperature <u>—</u> °F (11) Visibility-None, Mist, Solids, Steam, Color <u>—</u>	(12) Odor-None, Slight, Moderate, Strong; Quality <u>—</u>	(13) Emission Reduction Device <u>—</u> Installed <u>—</u>	(14) Reduces What? <u>—</u> (15) Efficiency <u>—</u>	(16) How Abnormal Emissions Detected and Corrected <u>—</u>	(17) Notes <u>—</u>
Total:														
Abnormal Emissions: Frequency														
Duration														

PROCESS/FACILITY MINE PLANT KING CITY COMPLETED BY R.O. MARSTEN DATE 12/72

IV. AIR EMISSIONS

(1) Stream No. A- <u>6-7</u>	(2) Component	Wt %	(3) Usual Lb/Day	(4) Abnormal Lb/Hour	(6) Name <u>FUGITIVE DUST</u>	(7) Discharge To- <u>Air</u> Flare Incinerator	(8) Frequency-Continuous <u>15</u> Hr/D <u>DATA</u> Wk/Mo/Yr	(9) Outlet: Dimension _____ in. Pipe, Duct, Stack; Height _____	(10) Temperature <u>AMBIENT</u> °F (11) Visibility-None, Mist, <u>Solid</u> , Steam Color <u>WHITE</u>	(12) Odor - <u>[None]</u> Slight, Moderate, Strong; Quality _____	(13) Emission Reduction Device <u>WATER SPRAY</u> Installed _____	(14) Reduces What? <u>ASBESTOS DUST</u> (15) Efficiency _____	(16) How Abnormal Emissions Detected and Corrected _____	
Total														
(5) Abnormal Emissions: Frequency _____ Duration _____														

(17) Notes DURING THE 55 MILE HAUL FROM THE MINE TO THE MILL ASBESTOS IS BLOWN FROM THE TRUCK TO THE ATMOSPHERE- ALSO ROAD DUST RESULTS FROM TRAVEL IN DRY WEATHER

(1) Stream No. A- _____	(2) Component	Wt %	(3) Usual Lb/Day	(4) Abnormal Lb/Hour	(6) Name _____	(7) Discharge To- Air Flare Incinerator	(8) Frequency-Continuous _____ Hr/D <u>DATA</u> Wk/Mo/Yr	(9) Outlet: Dimension _____ in. Pipe, Duct, Stack; Height _____	(10) Temperature _____ °F (11) Visibility-None, Mist, Solids, Steam, _____ Color _____	(12) Odor-None, Slight, Moderate, Strong; Quality _____	(13) Emission Reduction Device _____ Installed _____	(14) Reduces What? _____ (15) Efficiency _____	(16) How Abnormal Emissions Detected and Corrected _____	
Total														
(5) Abnormal Emissions: Frequency _____ Duration _____														

(17) Notes _____

PROCESS/FACILITY MINE PLANT KING CITY COMPLETED BY R.O. MARSTEN

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VI. RESIDUES/MISCELLANEOUS EMISSIONS

(1) Stream No. R- /			(3) Usual Lb/Day	(4) Abnormal Lb/hour	(6) Name
(2) Component	Wt%				Disposal Means-Incinerator, Boiler, Landfill / Underground, Sale, Contract, Tailing Ponds
LUNCH SCRAPS					
CANS OIL					Frequency-Continuous ✓ H/D-DAY-WK-MO Mo/Yr
ETC					Physical Form-Viscous, Liquid, Oil, Chunks, Slurry, Semi-Solids
					(10) Problems in Disposal (Note Disposal Location)/None, Cdor, Toxic, Radiation, Dusting, Others (Describe)
Total					(11) Notes BURIED IN OVERGROWN FIELDS
(5) Abnrmal Production: Frequency					
Duration					

(1) Stream No. R- 2	(2) Component		Wt%	(3) Usual lb/day	(4) Abnormal Lb/hour
	OVERBURDEN				
	AT PRESENT RATE OF PRODUCTION				
	53,000 TONS PER YEAR GENERATED				
	Total				
(5) Abnormal Production: Frequency			—		
Duration			—		

(6) Name	OVERBURDEN
(7) Disposal Means-Incinerator, Boiler, <u>Landfill</u> , Underground, Sale, Contract, Tailing Ponds	
(8) Frequency-Continuous <u>Hr/D D/Wk Wk/Mo Mo/Yr</u>	
(9) Physical Form-Viscous, Liquid, Oil, Chunks, Slurry, Semi, <u>Solids</u>	
(10) Problems in Disposal (Note Disposal Location) <u>None</u> , Cdor, Toxic Radiation, Dusting, Others (Describe)	
(11) Notes	OVERBURDEN TRUCKED TO ONE OF 4 WASTE DUMPS EITHER SIDE OF MINE. NO RECLAMATION OF PILES STARTED TO DATE

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000017 VI. RESIDUES/MISCELLANEOUS EMISSIONS

(1) Stream No. R-3	(2) Component	Wt%	(3) Usual Lb/Day	(4) Abnormal Lb/hour	(6) Name
	+ 12" Rock From Grizzly				(7) Disposal Means-Incinerator, Boiler, <u>Landfill</u> , Underground, Sale, Contract, Tailing Ponds
	+ 1 1/2" Rock From Screen				(8) Frequency-Continuous <u>Hr/D D/Wk Wk/Mo Mo/Yr</u>
					(9) Physical Form-Viscous, Liquid, Oil, Chunks, Slurry, Semi, <u>Solid</u>
	At Present Rate				(10) Problems in Disposal (Note Disposal Location) <u>None</u> Cdor, Toxic Radiation, Dusting, Others (Describe)
	of Operation				<u>DISPOSED OF BY DUMPING ON CLOSEST WASTE DISPOSAL AREA</u>
	6300 NT GENERATED PER YEAR				
	Total				(11) Notes <u>NO LAND RECLAMATION STARTED ON WASTE PILES</u>
(5) Abnormal Production: Frequency					
Duration					

(1) Stream No. R-4	(2) Component	Wt%	(3) Usual Lb/Day	(4) Abnormal Lb/hour	(6) Name
	LUNCH BAGS ETC				(7) Disposal Means-Incinerator, Boiler, <u>Landfill</u> , Underground, Sale, Contract, Tailing Ponds
					(8) Frequency-Continuous <u>Hr/D D/Wk Wk/Mo Mo/Yr</u>
					(9) Physical Form-Viscous, Liquid, Oil, Chunks, Slurry, Semi, <u>Solid</u>
					(10) Problems in Disposal (Note Disposal Location) None, Cdor, Toxic Radiation, Dusting, Others (Describe)
	Total				(11) Notes
(5) Abnormal Production: Frequency					
Duration					

PROCESS/FACILITY

MINE

PLANT KING CITY

COMPLETED BY R.O. MAARSTEN

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DATE 12/72

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VI. RESIDUES/MISCELLANEOUS EMISSIONS

(1) Stream No. R- 5	(2) Component	Wt%	(3) Total Lb/Day Tons/Season 25 g	(4) Abnormal Lb/hour	(6) Name	SPILL FROM TRUCKS HAULING FROM MINE
ASBESTOS ORE					(7) Disposal Means-Incinerator, Boiler, Landfill, Underground, Sale, Contract, Tailing Ponds	
					(8) Frequency-Continuous	5
					(9) Physical Form-Viscous, Liquid, Oil, Chunks, Slurry, Semi, Solids	Mo/Yr
					(10) Problems in Disposal (Note Disposal Location) None, Cdr, Toxic, Radiation, Dusting, Others (Describe)	
Total					DURING THE 55 MILE HAUL FROM THE MINE TO THE MILL ORE IS BLOWN FROM THE ROAD TO THE ROAD ALSO SOME SPILL FROM BOTTOM	
					Notes Dump Truck Gates Drops on Road Most Falls on First 10 Miles of Private Road Very Little on Road Through King City	
(5) Abnormal Production: Frequency						
Duration						

(1) Stream No. R- 6	(2) Component	Wt%	(3) Total Lb/Day Tons/Season 25 g	(4) Abnormal Lb/hour	(6) Name	ACCIDENTAL DUMP
ASBESTOS ORE					(7) Disposal Means-Incinerator, Boiler, Landfill, Underground, Sale, Contract, Tailing Ponds	PUSHED TO SIDE OF ROAD
					(8) Frequency-Continuous	Hr/D D/Wk Wk/Mo Mo/Yr
					(9) Physical Form-Viscous, Liquid, Oil, Chunks, Slurry, Semi, Solids	
					(10) Problems in Disposal (Note Disposal Location) None, Cdr, Toxic Radiation, Dusting, Others (Describe)	
Total					DURING THE HAUL FROM MINE TO MILL THERE ARE AN AVERAGE OF 2 ACCIDENTAL DUMPS ON THE ROAD DUE TO THERE ARE MALFUNCTIONS IN THE ELECTRICAL DUMP CONTROL SYSTEM (EACH 12 1/2 TONS) MATERIAL IS GENERALLY PUSHED TO SIDE OF ROAD	
(5) Abnormal Production: Frequency						
Duration						

R. O. MARSTEN DATE _____

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(1) Stream No.	Wt %	(3) Usual Lb/Day	(4) Abnormal Lb/Hour
(2) Component			
Total			
(5) Abnormal Discharge: Frequency _____ Duration _____			

Name WASTE OIL 6A GPM
 Discharged to - Sewer, stream, drainage ditch, pond Waste A.
 Frequency-Continuous _____ Hr/D D/Wk Wk/Mo Yr ____
 Temperature _____ °F (10) Problems: In Treating or From D_____
Discharge None Odor, Visibility, Toxicity, Metals, Non-Degradable _____
 Oxygen Demand, Inorganics _____
 Waste Reduction Equipment NONE
 Reduces What? _____
 Efficiency or Amount Recovered _____
 How Abnormal Discharge Detected and Corrected _____

 Range of flow of receiving stream CFS _____
 Notes WASTE OIL COLLECTED IN CONTAINERS AND DUMPED ONTO WASTE PILES

(1) Stream No.	W-	(3) Usual Lb/Day	(4) Abnormal Lb/Hour	(6) Name
(2) Component	Wt%			Discharged to- Sewer, stream, drainage ditch, pond
				Frequency - Continuous Hr/D D/Wk Wk/Mo Mo/Yr
				Temperature °F (10) Problems: In Treating or From Discharge-None, Odor, Visibility, Toxicity, Metals, Non-Degradable
				Oxygen Demand, Inorganics
				(11) Waste Reduction Equipment
				(12) Reduces What?
				(13) Efficiency or Amount Recovered
				(14) How Abnormal Discharge Detected and Corrected
				(15) Range of flow of receiving stream CFS
				(16) Notes
Total				
(5) Abnormal Discharge: Frequency				
Duration				

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PROCESS SURVEY - ENVIRONMENTAL IMPACT ANALYSIS

Plant Name

KING CITY

Completed by

R.O. MARSTEN

Date

12/72

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Director

Permit

Mine

KING CITY

Production Rate

1500 MINES

(lb/day or tons/day)

Production Time

62 Days = 2 1/2 yr Survey Batch

Rate

(batches/yr)

1. SIMPLIFIED BLOCK DIAGRAM

