

JRC

A

To: Distribution

From: J. R. Ganc
Date: November 8, 1990

Subject: PLANT VCM EMISSIONS

The following emission rates and locations were reported to Scott Environmental Technologies for use in their air dispersion modeling studies of our plant:

<u>Source</u>	<u>(tons/year)</u>	<u>Emission Rate 40 % (tons/year)</u>	<u>10 % (tons/year)</u>
Total Plant	64.98	27.00	8.02
Point Sources:	63.29	25.31	6.33
D300 Dump Screener	9.86	3.94	0.986
D700 Dump Screener	4.23	1.69	0.423
D741 Dump Screener	9.86	3.94	0.986
D745 Dump Screener	4.23	1.69	0.423
Old Steam Jet	0.940	0.376	0.094
New Steam Jet	0.940	0.376	0.094
501 Blend Tank	1.41	0.564	0.141
502 Blend Tank	7.33	2.93	0.733
407 Blend Tank	1.97	0.788	0.197
747 Blend Tank	10.43	4.17	1.043
503 Blend Tank	2.82	1.13	0.282
V-11 Blend Tank	4.23	1.69	0.423
Dryer 4	0.474	0.190	0.047
Dryer 5	0.474	0.190	0.047
Dryer 6	0.474	0.190	0.047
Dryer 7	0.474	0.190	0.047
Dryer 8	0.474	0.190	0.047
Fluid Bed Dryer	1.39	0.556	0.139
Incinerator	0.657	0.263	0.066
Silos (17), total	0.627	0.251	0.063
Volume Sources:	1.50		
Old Module Grade	0.230		
Old Module Second	0.277		
Old Module High	0.163		
Total: Old Module	0.670		

New Module Grade	0.159
New Module Second	0.142
New Module High	<u>0.113</u>
Total: New Module	0.414

Tank Farm Grade	0.159
Tank Farm Second	0.142
Tank Farm High	<u>0.113</u>
Total: Tank Farm	0.414

Railcar Unloading	0.055
-------------------	-------

Area Sources:	0.190
---------------	-------

VCM Biodisces	0.038
Wastewater Ponds	0.152

It is my understanding that the 100 % emission rates represent our emissions if our slurry contains VCM in the concentrations that we are currently permitted to operate at; 40 % represents the VCM level that ~~we operate at day to day and is the level that we would like our next permit to be;~~ and 10% represents the emission rates that we occur if we steam stripped our slurry.

Please direct any questions or comments about this information towards yours truly.

Joseph R. Ganc
Process Engineer

cc: RBN, SCH, FGJ

480 current permit
250 original new permit limit sought
~ 100 40% case stn stripping opt.
225 90% external steamstripping

we averaged 146 ppm last year

No, we can operate at 400 ppm we wanted the limit reduced to 250 ppm

100 ppm