

To: File: TRI Report - 2001
 From: KTD
 Date: 23-May-02

CY 2001 VCM Total Annual Reportable Amount Calculations	
Fugitive Emissions Calculations:	
Leaks, lbs ²	100
Fugitive Emissions, lbs ²	4,555
Batch Water Strippers	
2001/1995 PVC production ratio:	1.19
1995 BWS fugitive VCM, lbs:	43.6
2001 BWS fugitive VCM, lbs:	52
Railcar unloading	
$\frac{838440905 \text{ lb VCM} \times 1 \text{ R/C} \times .043 \text{ lb VCM (residual)}}{180,000 \text{ lb VCM} \times 1 \text{ R/C}}$	200
Total Fugitive Emissions:	4907
Stack or Point Emissions³:	
Total emissions, lbs:	24,243
Discharges to POTW:	
VCM at Outfall 001, lbs:	0
Total Annual Reportable Amount:	29,150

Removal Efficiency of Incinerator:

Avg. incinerator run time, hr/day:					17.6
Flow rate of influent, SCFH:					219
Influent VCM concentration, ft ³ VCM/ft ³ :					0.404
Influent VCM concentration, lb/yr:					
500 ft ³	17.6 hrs	365 days	.4 ft ³ VCM	62.5 lb VCM	93565
hr	day	yr	ft ³	379 ft ³ VCM	
Effluent VCM concentration, ppm:					1.8
Effluent VCM concentration, lb/yr:					
$\frac{1.772727272727 \text{ ppm} \times 93565 \text{ lb VCM/yr}}{1000000}$					0.166
Removal efficiency:					
$\frac{93565 \text{ lb VCM} - 0.17 \text{ lb VCM}}{93565 \text{ lb VCM}} \times 100\%$					100.00%

Removal Efficiency of Ponds:

Average monthly flow from vinyl (3/4 of total flow), gpm:					695
Total VCM entering waste water treatment system from Pond 1, lbs:					
638 parts	695 gal	8.3 lbs	525600 min	1,933	
1 billion	min	gal	year		
Total VCM at Outfall 001, lbs:					0
Removal efficiency:					
$\frac{1933 - 0}{1933} \times 100\%$					100.00%

Outfall 001 VCM

<i>Date</i>	<i>VCM</i>	<i>Units</i>
3/1/00	0.0	ppb
AVERAGE	0.0	ppb
YEARLY	0.0	lbs

 Pond 1 VCM
 (monthly in-house GC results)

<i>Month</i>	<i>VCM (ppb)</i>
Jan-01	592
Feb-01	3938
Mar-01	584
Apr-01	254
May-01	392
Jun-01	212
Jul-01	111
Aug-01	39
Sep-01	189
Dec-01	70
AVERAGE	638