

Texas Natural Resource Conservation Commission

INTEROFFICE MEMORANDUM

To: Robert Opiela
Air Dispersion Modeling Team
Air Permits Division

From: Joseph Marini
Mechanical and Combustion Section
Air Permits Division

Subject: Dow-Freeport stack parameters

Date: March 5, 2001

I have completed my review of the Dow-Freeport risk burn report. As requested, I am providing the stack parameter information for completion of the deposition modeling required for the site-specific risk assessment at Dow-Freeport. I have summarized the data below and attached the particle size data and the raw stack data to this memo.

Please call me at x1377 if you have any questions.

Unit	Stack Height (ft.)	Stack Diameter (in.)	Stack Temperature (degrees F)	Stack Velocity (ft/sec)	Particle Size Distribution
F-820B	68' 4"	42	338.48	19.566	same as above
Kiln (B-33)	120'	60	177.04	36.97	see attached
B-901	52'	66	353.6	20.826	see attached
B-902	52'	66	353.6	20.826	see attached
B-903	52'	66	353.6	20.826	see attached
B-824	150'	42	224.975	5.47	see attached
FTB-603	85'	30	169.55	47.105	see attached
F-210	85'	30	140.2	67.68	see attached
F-2820	186'	24	175.07	96.11	see attached

Note: This data has not been approved by the waste permits section. We recommend that you contact waste prior to using the data to ensure that the data relied upon in this review has been accepted. Also, units B-901, B-902, and B-903 are identical units and all information for one is used as data in lieu of testing for the other. Please treat each of these units in the table above as an individual unit.