

Glycol II - Dust Sampling During Catalyst Change (R2) October 17 & 19, 1978

Area Sample	Date	Sample Length (min.)	Air Vol. (L)	amt. of Total Dust (mg.)	Dust Concentration (mg/m ³)
<u>Unloading old catalyst</u>					
53-01 Outside bottom of reactor	10/17	38	53	4.5	85
53-02 Inside bottom of reactor	10/17	38	57	30.5	535
<u>Loading new catalyst</u>					
53-03 Inside top area of reactor during break, no forced ventilation	10/19	41	56	n.d. (< 0.4)	n.d. (< 7)
53-04 Inside top area of reactor during actual loading, armover over one manway, loading into second manway	10/19	60	88.5	746	>520
53-05 Inside bottom of reactor during loading operation	10/19	52	70	n.d. (< 0.4)	n.d. (< 6)

Industrial Health Guide for
8-hr. TWA Dust Limit

10 mg/m³

100% S.I.

* n.d. - not detected at specified detection limit

Amounts refer to total dust - neither particle size
nor composition was examined

All samples were wet samples