

TO: A.H. Sather
From: J.V. Uptain
Date: 5-24-86
Subject: Weekly Progress

HAZARD COMMUNICATION

SIGNS & LABELS [5 1/4 HRS]

- All in-plant signs were put up.
- All items on the recent "chemical inventory" were verified as complete and a report issued. Of the items, I labeled all of those at Prairie and 4 drums of PX336 in the Compound area.

CHEMICAL LIST [10]

Up-dated 3 times, due to loss of information on the Compaq hard disk drive [apparently defective]. I finally got everything loaded today, using the old 184XT and listed out the various lists.

AMERICHEM [1/2] - The letter from them stating the products we use are non-hazardous is allegedly in priority mail and I am supposed to receive it Tuesday morning.

CONTRACTOR TRAINING [1/4] - One short session held on 5/20/86.

P-1 VENTILATION [7½] - As requested, I did a study of P-1 ventilation, with all fans on, and found that total throughput is halved when all doors and windows are closed. See attached table for a more definitive statement of results.

UTILITIES TRAINING [2] - Attended class by AHS on 5/20/86

LEAK PATROL [5¼] - Did on 5/21, 22, & 23.

SECURITY PLAN [2] - Program checked, revised, re-typed, signed, & forwarded for final approval

RESPIRATOR PROGRAM [¾] - Program checked, additional forms added, and returned to Rife for correction

MISC. [6]

Permits

Key Transfers - Several, due to recent job changes

Breathing Air Sample - Taken on 5/22

OSHA I-H Manual - Filed new materials

Medical Surveillance Scheduling for Guards

Guard Vacation Changes

Safety Department Planning Meeting - Held on 5/19

Weekly VCM Drsimetry Reports

Leak Sample Handling & Results Calculations

Paul C. Cato

SUMMARY OF P-1 BUILDING VENTILATION MEASUREMENTS 5/20/86

CONDITION

ALL FANS "ON," ALL DOORS AND WINDOWS CLOSED	ALL FANS "ON," ALL DOORS AND WINDOWS CLOSED, EXCEPT 3 EXTERIOR DOORS TO WEST SIDE OF BUILDING OPEN AND BOTH FIRE DOORS OPEN
FIRST FLOOR, E SIDE [VOL = 29,898 FT ³]	
Fan (1) Fire Door Bldg Leakage Fan (1) Stairwell	
INFLOW	OUTFLOW
8,168 CFM	7,501 CFM
4376	13,328
10,544 CFM	10,659
5146	10,470
10,544 CFM	21,129 CFM
EXCHANGES/HR = (10,544 * 60) / 29,898 = 21.2	21,129 CFM
	(21,129 * 60) / 29,898 = 42.4
SECOND FLOOR, E SIDE [VOL = 34,120 FT ³]	
Stairwell Fire Door Fans (3) Bldg Leakage	
INFLOW	OUTFLOW
5,196 CFM	10,470
4064	7742
9,260 CFM	18,212
9,260	18,212
EXCHANGES/HR = (9,260 * 60) / 34,120 = 16.2	18,212 CFM
	(18,212 * 60) / 34,120 = 32.0