R2-B10

FROM: Don Goldbach (X-3586)
DATE: October 30, 1991
SUBJECT: SOLX FLOOR

MEMO TO: Ed Keelen, Wilbur Goodwin, Bob Williams, Ed Reitler, Glenn Lowder, Jim McCormac

This memo summarizes the issues and action items we discussed in the meeting on Monday October 28th. The meeting was held in response to some questions about digging test holes in the Solvent Extraction (SOLX) floor. It was decided that a plan should be developed for repairing the SOLX floor, and this is the first draft of the plan.

PROBLEM

The SOLX floor has areas where the floor material is "bubbled up" and/or chipped, and some areas where the floor material is gone and some digging with a screwdriver exposes the sandy soil under the floor. This creates 1) a potential tripping hazard and 2) a potential location for spilled solutions to get into the soil under the floor.

OBJECTIVES

The objectives of this plan are to:

1) determine the extent of the contamination of the soil under the SOLX floor,
2) repair the floor to provide a safe working environment, and
3) repair the floor to prevent spilled solutions from getting into the soil under the floor.

ACTION ITEMS (SHORT TERM)

1. Identify areas of the SOLX floor that need to be repaired to provide a safe working environment [COMPLETED 10/30/91], identify the material to be used for the repairs, and make the repairs.
2. Identify areas on the skid holding the Dissolver #2 system that need to be repaired, identify the material to be used for the repair, and make the repairs.
3. Identify sources of spills and establish a plan to eliminate these sources.

ACTION ITEMS (LONG TERM)

1. Sample the soil (and groundwater ???) under the SOLX floor.
   a. Issue Purchase Order to Westinghouse Environmental & Geological Services (WEGS).
   b. Pull samples by 11/11/91.
   c. Analyze samples and have results by 12/23/91.
2. Have WEGS analyze results by 1/15/92 to determine:
   a. the extent of any groundwater contamination (if done), and
   b. the extent of any soil contamination, and if the "plume" is stable or migrating.
3. Identify floor repairs needed, based on WEGS's analysis.

Let me know if you have any questions or comments.

Don

Don Goldbach, Manager
Waste Recovery & Disposal

C-1

SOLVENT EXTRACTION SOIL SAMPLING

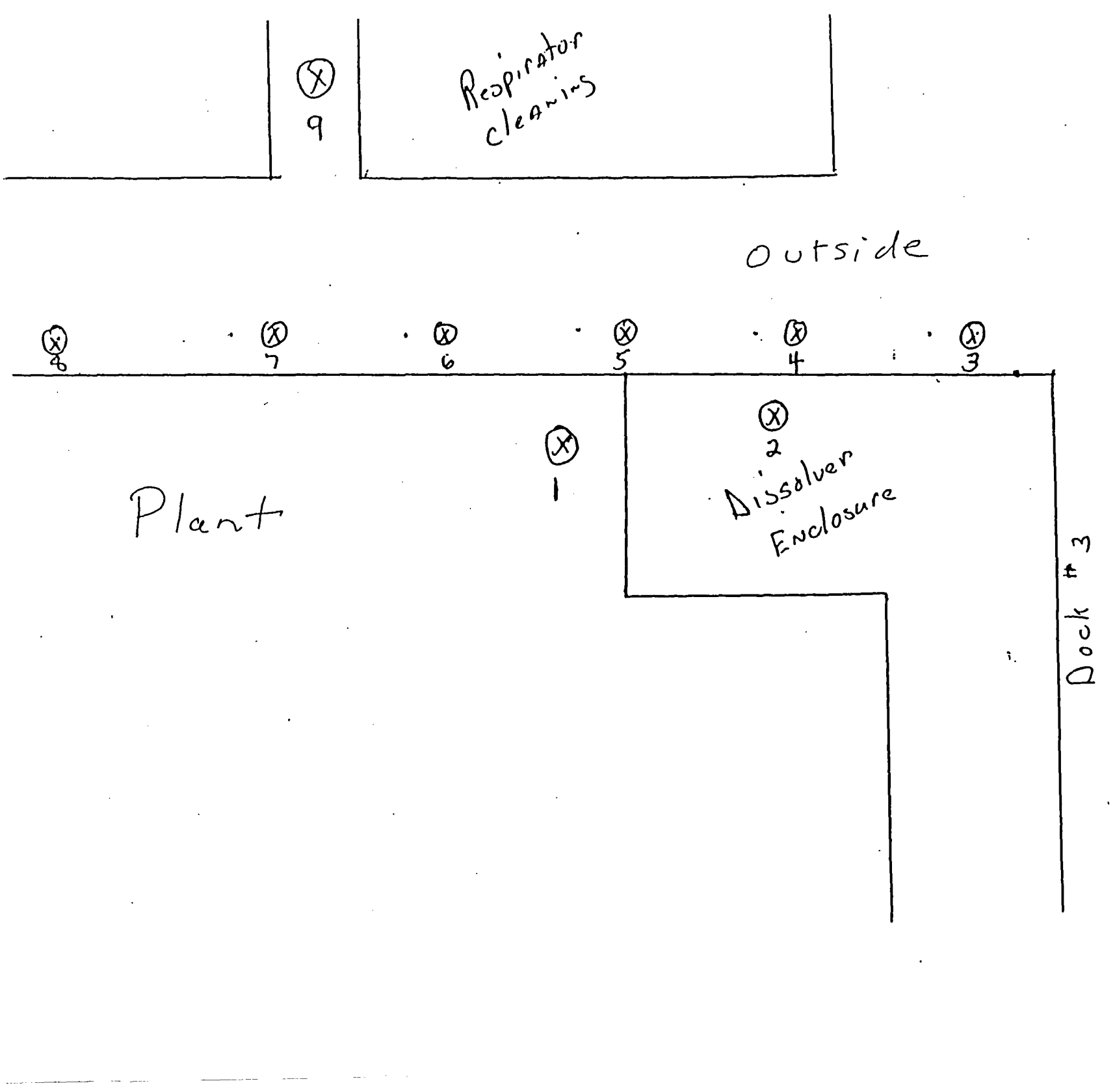
RADIOACTIVITY RESULTS

JUNE 24, 1991

	DEPTH	RESULTS, pCi/G GROSS ALPHA
SAMPLE 1 OUTSIDE DISSOLVER ENCLOSURE		
#11	0-6"	203
#12	6-12	195
#13	12-18	311
#14	18-24	328
#15	24-30	193
#16	30-36	213
#17	36-42	326
SAMPLE 2 - INSIDE DISSOLVER ENCLOSURE		
#21	0-6"	434
#22	6-12"	631
#23	12-18"	831
#24	18-24"	776
#25	24-30"	737
#26	30-36"	956
#27	36-42"	828
SAMPLE 3 - OUTSIDE PLANT AT DOCK 3 DOOR - OUT 4'		
#31	4-8	2.4
#32	8-12	1.0
SAMPLE 4		
#41	4-8	314
#42	8-12	141
SAMPLE 5		
#51	4-8	8.6
#52	8-12	2.4
#53	12-16	2.7

	DEPTH	RESULTS, pCi/G GROSS ALPHA
SAMPLE 6		
#61	4-8	2.4
#62	8-12	2.2
SAMPLE 7		
#71	4-8	12.2
#72	8-12	2.6
SAMPLE 8		
#81	4-8	30.4
#82	8-12	40.9
SAMPLE 9		
#91	6-12	2.8
#92	12-18	5.3
#93	18-24	3.2
#94	0-6	4.2

A:91REF\SOILSAMP


9
Respirator cleaning
outside
8
7
6
5
4
3
1
2
Dissolver Enclosure
Plant
Dock #3