

Mar 8 '95

10:25 P.01/10
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*Rec'd by
3/8/95
10 AM
D/C
by
Dave Horton*



December 15, 1994

Mr. Michael McClelland
 Department of the Navy
 Engineering Field Activity West
 Naval Facilities Engineering Command
 900 Commodore Way, Building 101
 San Bruno, CA 94066-2402

Post-It™ brand fax transmittal memo 7671 # of pages > 10

To	DAVE HORTON	From	DAVE SONG
Co.	RASO	Co.	EFA WEST
Dept.		Phone #	415)244-2571
Fax #	804)887-3235	Fax #	

Reference: Investigation-Derived Waste (IDW) Issues
 Radiation Investigations at Hunters Point Annex (HPA)
 Contract No. N62474-8-D-5086, Contract Task Order No. 0155 and 0285

Subject: Reducing the volume of IDW that needs to be radiologically characterized

Dear Mr. McClelland:

On December 14, David Preston and I, met with LCDR Lino Fragoso of the Navy's Radiological Affairs Support Office (RASO) and yourself to discuss, among other issues, radiological characterization of IDW currently stored in Building 810 at HPA. We identified specific information that is needed to activate RASO's contract with Chem Nuclear under which they will finalize the characterization of the IDW. We also discussed ways to reduce the volume of IDW requiring radiological characterization.

EXISTING CONDITIONS

Presently, 304 drums and 11 bins of investigation derived waste (IDW), potentially radioactively contaminated with low-levels of radium-226, are being stored in Building 810 at HPA. The waste was generated as a result of soil boring and groundwater monitoring well installation at locations within the Industrial Landfill (IR-01), the Bay Fill Area (IR-02), the Submarine Base Area (IR-07) and the Waste Oil Disposal Area (IR-18).

- Based on a current inventory, there are 304, 55-gallon drums of IDW, and 11 waste bins that contain approximately 140 cubic yards of IDW that may require characterization. All of the drums and 6 of the waste bins are stored at Building 810. Five additional waste bins are located immediately east of the HPA decontamination pads.
- Chemical data for IDW is being compiled and will be available in the next 2 weeks. Approximately 60 of the 304 drums have not yet been sampled and analyzed for chemical content and will not be included in the compilation. All bins have been sampled and analyzed for chemical content.

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- At Building 130, in the low-level radioactive waste storage area, there are seven drums and one safe that has a dial with radium-226 on it. One drum contains radium-226 in the form of point sources and contaminated soil. The drum is approximately one quarter full. One drum contains approximately 3 gallons of IDW waste water. Two drums contain approximately 150 analyzed soil samples returned from a radiological laboratory. Fifteen of those soil samples contain significant amounts of radium-226. Three drums contain other soil samples collected during investigations in the IR-01 and IR-02 landfills and have not been radiologically characterized yet. The safe will have to be opened and the dial removed for disposal.

PERTINENT NEW INFORMATION

Recent analysis of information obtained during the 1993 subsurface radiation investigation of Parcels B and E, indicates that many of the bins and drums that contain stored IDW may not require radiological characterization. The preliminary draft report of findings of the investigation will be delivered to the Navy for review in approximately 2 weeks. The report presents data collected from trenches that were excavated in the IR-01 and IR-02 landfills. Radium-226 contamination, related to instruments and devices, was found to be restricted to a region approximately 450 feet long by 250 feet wide in IR-02. No subsurface radium-226 was found in IR-01.

*Report due to
JAN 6, 95
Final letter 1/11/95*

Some soils in IR-07 and IR-18 have exhibited elevated gamma activity that is not associated with radium-containing instruments or devices. The exact source of the activity at these two sites has not been completely defined, but it is probably due to naturally-occurring radioactive materials in the soil.

RECOMMENDATIONS

Based on the preliminary results from the subsurface radiation investigation of Parcels B and E, no subsurface radium-226 contamination is present in IR-01 or in areas outside the small region identified in IR-02. Therefore, only IDW that was collected from the IR-02 landfill at and around the 450-foot by 250-foot region, and IDW collected from IR-07 and IR-18, needs to be characterized for radiation.

If radiological characterization is limited to IDW collected from these areas, only 105 of 304 drums will need assessment. Of the 105 drums that will need to be radiologically characterized, approximately 25 have not yet been sampled and analyzed for chemical content. Of the 11 bins, one bin that contains approximately 10 cubic yards of IDW will also not need characterization. Attached is a list of drums and bins currently stored in Building 810 that will require characterization.

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If you have any questions, please call me at (415) 222-8284.

Sincerely,



David Martinez
Radiation Protection Specialist

Attachment (1)

cc: David Preston, PRC
 Jim Sickles, PRC
 Patrick Wooliever, PRC
 LCDR Lino Fragoso, RASO
 Laurie Miller, RASO
 file

**HPA WASTE MANAGEMENT
SOIL - POTENTIALLY RADIOACTIVE**

<u>BINS</u>	<u>CONTENTS</u>	<u>LOCATION</u>	<u>VOLUME</u>	<u>CTO CHARGE #</u>
ERICKSON				
214	IR-01	Building 810	1/2 full 10	0057HJ1BWF
201	IR-02	Building 810	full 20	0057HJ1BWF
ALLWASTE				
163	IR-01, -02 soil	East of Decon Pad	80% full-15 c.y.	0057HJ1BWF
S037	sump sediment	Building 810	50% 250	0057HJ1BWF
WASTE CONTROL SERVICES				
C202	IR-01, -02	East of Decon Pad	3/4 full-20 c.y. 15	0057HJ1BWF
C201	IR-01, -02	East of Decon Pad	2/3 full-20 c.y. 13	0057HJ1BWF
P136	IR-01, -02	East of Decon Pad	1/3 full-20 c.y. 7	0057HJ1BWF
2156	IR-07	East of Decon Pad	1/2 full-20 c.y. 10	0057HJ3BWF
CHEMICAL WASTE MANAGEMENT				
1273	IR-07, soil	Building 810	3/4 full 15	0057HJ3BWF
1138	IR-02, soil	Building 810	full 20	0057HJ1BWF
1304	IR-02, soil	Building 810	1/2 full 10	0057HJ1BWF

TOTAL BINS @ LOCATION

140 C.Y.

Outside Building 810 -- 6
East of Decon Pad -- 5

DRUMS AT BLDG 810

D1U

INSP	CELL	DRUM	CONTENTS	CONDITION	ACCUM	CTO	REMARK	INSP
DATE					DATE			INT
INSPECTION LOG HAZARDOUS WASTE ACCUMULATION STORAGE AREA BLDG. 810								
11/22/94	2	1017	SOIL PA18 W1	GOOD	1/31/91	106		
	2	1046	SOIL PA18 MW10	GOOD	2/7/91	106		
	2	1011	SOIL PA18 W3	GOOD	1/30/91	106		
	2	1018	PA18 S002	GOOD	1/29/91	106		
	2	1012	SOIL PA18 S005	GOOD	1/28/91	106		
	2	1014	SOIL PA18 S008	GOOD	1/28/91	106		
	2	1010	SOIL PA18 W1	GOOD	1/31/91	106		
	2	1018	SOIL PA18 S001	GOOD	2/1/91	106		
	2	1047	SOIL PA18 MW10	GOOD	2/7/91	106		
	2	1016	SOIL PA18 S007	GOOD	1/28/91	106		
	2	1003	SOIL PA18 S003	GOOD	1/30/91	106		
	2	1008	SOIL PA18 S003	GOOD	1/30/91	106		
	2	1013	SOIL PA18 W2	GOOD	1/30/91	106		
	2	1024	SOIL PA18 W1	GOOD	1/31/91	106		
	2	1023	SOIL PA18 W3	GOOD	1/30/91	106		
	2	1002	SOIL PA18 S004	GOOD	1/28/91	106		
	2	1021	SOIL PA18 W2	GOOD	1/30/91	106		
	2	1009	SOIL PA18 W1	GOOD	1/31/91	106		
	2	1001	SOIL PA18 S003	GOOD	1/30/91	106		
	2	1020	SOIL PA18 W2	GOOD	1/30/91	106		
	2	1008	SOIL PA18 S008	GOOD	1/28/91	106		
	2	1005	SOIL PA18 MW10	GOOD	2/7/91	106		
	2	1018	SOIL PA18 W1	GOOD	1/31/91	106		
	2	1004	SOIL PA18 MW10	GOOD	2/7/91	106		
	2	1007	SOIL PA18 W3	GOOD	1/30/91	106		
	2	1000	SOIL PA18 W1	GOOD	1/31/91	106		
	2	1032	SOIL PA18 S006	GOOD	1/28/91	106		
	2	1048	SOIL IR14 MW00A	GOOD	5/11/92	106		
							TOTAL DRUMS IN CELL	20
11/22/94	8	2387	SOIL IR14 MW00	GOOD	5/17/92	106		
	8	2300	SOIL IR07 P20A	GOOD	1/28/92	57	BEDIMENT, FULL, OVERPACKED	
	8	2301	SOIL IR07 P20A	GOOD	1/28/92	57	BEDIMENT, 1/2 FULL	
	8	2327	SOIL IR02 P120AA	GOOD	2/6/92	57	OVERPACKED	
	8	2318	SOIL IR02 P97AA-B	GOOD	2/6/92	57	OVERPACKED	
	8	2317	SOIL IR02 P63AA	GOOD	2/3/92	57		
	8	2328	SOIL IR02 P97AA-B	GOOD	2/4/92	57		
	8	2316	SOIL IR02 P93AA	GOOD	2/3/92	57	OVERPACKED	
	8	2229	SOIL IR02 B104D	GOOD	12/6/91	57		
	8	2200	SOIL IR02 MW00A	GOOD	1/7/92	57		
	8	2330	SOIL IR02 P93AB-A	GOOD	2/6/92	57		
	8	2331	SOIL IR02 P93AB	GOOD	2/6/92	57		
	8	2361	SOIL IR02 P97AB	GOOD	3/16/92	57		
	8	2360	SOIL IR02 P97AB	GOOD	3/16/92	57		
	8	2362	SOIL IR02 P120AA	GOOD	3/11/92	57		
	8	2355	SOIL IR01 P03A	GOOD	3/19/92	57		
	8	2364	SOIL IR01 P03A	GOOD	3/19/92	57		
	8	2230	SOIL IR02 B104D	GOOD	12/6/91	57		
	8	2374	SUMP BEDIMENT	GOOD	3/26/92	57	SAMPLED 12/23/92	
	8	2378	SUMP BEDIMENT	GOOD	3/26/92	57	SAMPLED 12/23/92	

	0	2376	SUMP SEDIMENT	GOOD	3/26/82	57	SAMPLED 12/23/82 OVERPACKED		
	0	2377	SUMP SEDIMENT	GOOD	3/26/82	57	SAMPLED 12/23/82		
	0	2378	SUMP SEDIMENT	GOOD	3/26/82	57	SAMPLED 12/23/82		
	0	208	UNKNOWN	GOOD	10/10/80	142	OVERPACKED		
	0	840	SOIL IR07 B004	GOOD	8/13/81	57			
	0	833	SOIL IR07 B017	GOOD	8/6/81	57	OVERPACKED		
	0	847	SOIL IR07 B004	GOOD	8/13/81	57			
	0	838	SOIL IR07 B033	GOOD	8/12/81	57	OVERPACKED		
	0	836	SOIL IR07 B033	GOOD	8/12/81	57	OVERPACKED		
	0	835	IR07 B014	GOOD	8/12/81	57	OVERPACKED		
	0	848	SOIL IR07 B030	GOOD	8/13/81	57	OVERPACKED		
	0	840	SOIL IR07 B032	GOOD	8/12/81	57	OVERPACKED		
	0	822	SOIL IR07 B026	GOOD	8/7/81	57			
	0	925	SOIL IR07 B016	GOOD	8/6/81	57			
	0	832	SOIL IR07 B018	GOOD	8/6/81	57	OVERPACKED		
	0	823	SOIL IR07 B011	GOOD	8/7/81	57	OVERPACKED		
	0	830	SOIL IR07 B019	GOOD	8/6/81	57			
	0	828	SOIL IR07 B015	GOOD	8/6/81	57			
	0	831	SOIL IR07 B019	GOOD	8/6/81	57			
	0	517	SOIL IR07 B006	GOOD	12/7/80	57	SAMPLED ON 4/18/81		
	0	803	SOIL IR07 MW20	GOOD	12/10/80	57	SAMPLED 4/18/81; WET OVERPACKED		
	0	483	SOIL IR07 MW21	GOOD	12/4/80	57	SAMPLED 4/18/81		
	0	484	SOIL IR07 MW21	GOOD	12/4/80	57	SAMPLED 4/18/81		
	0	487	SOIL IR07 MW21	GOOD	12/4/80	57	SAMPLED 4/18/81		
	0	488	SOIL IR07 MW21	GOOD	12/6/80	57	SAMPLED 4/18/81		
	0	839	SOIL IR02 B100	GOOD	3/14/81	57			
	0	830	SOIL IR02 B100	GOOD	3/13/81	57			
	0	623	SOIL IR02 MW87A	GOOD	3/11/81	57			
	0	489	SOIL IR07 B018	GOOD	12/6/80	57	SAMPLED 4/18/81; WET OVERPACKED		
	0	806	SOIL IR07 B009	GOOD	12/4/80	57	SAMPLED 4/18/81		
	0	507	SOIL IR07 B009	GOOD	12/4/80	57	SAMPLED 4/18/81		
	0	504	SOIL IR07 B012	GOOD	12/3/80	57	SAMPLED 4/18/81		
	0	505	SOIL IR07 B012	GOOD	12/4/80	57	SAMPLED 4/18/81		
	0	508	SOIL IR07 B010	GOOD	12/4/80	57	SAMPLED 4/18/81 OVERPACKED		
	0	631	SOIL IR02 B148	GOOD	3/13/81	57			
	0	834	SOIL IR02 MW148A	GOOD	3/13/81	57	OVERPACKED		
	0	833	SOIL IR02 MW148A	GOOD	3/13/81	57			
	0	711	SOIL IR01 B018A	GOOD	4/22/81	57			
							TOTAL DRUMS IN CELL	69	
11/22/84	10	844	SOIL IR07 B030	GOOD	8/13/81	57	OVERPACKED		
	10	837	SOIL IR07 B014	GOOD	8/12/81	57	OVERPACKED		
	10	841	SOIL IR07 B008	GOOD	8/13/81	57			
	10	842	SOIL IR07 B008	GOOD	8/13/81	57			
	10	843	SOIL IR07 B013	GOOD	8/13/81	57			
	10	838	SOIL IR07 B034	GOOD	8/6/81	57			
	10	800	SOIL IR07 MW20	GOOD	12/10/80	57	SAMPLED 4/18/81; WET OVERPACKED		
	10	802	SOIL IR07 MW20	GOOD	12/10/80	57	SAMPLED 4/18/81; WET OVERPACKED		
	10	486	SOIL IR07 MW21	GOOD	12/4/80	57	SAMPLED 4/18/81; WET OVERPACKED		
	10	806	SOIL IR07 MW20	GOOD	12/10/80	57	SAMPLED 4/18/81; OVERPACKED		
	10	808	SOIL IR02 MW87A	GOOD	3/6/81	57			
	10	632	SOIL IR02 MW148A	GOOD	3/13/81	57	OVERPACKED		
	10	836	SOIL IR02 MW148A	GOOD	3/13/81	57			
	10	616	SOIL IR07 B002	GOOD	12/7/81	57	SAMPLED 4/18/81		
	10	484	SOIL IR07 MW18	GOOD	12/17/80	57	SAMPLED 4/18/81; OVERPACKED		
	10	613	SOIL IR07 MW23	GOOD	12/6/80	57	SAMPLED 4/18/81		

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	10	810	SOIL IR02 MW07A	GOOD	3/8/81	57	✓	
	10	723	SOIL IR01 BG18D	GOOD	4/30/81	57		
	10	726	SOIL IR01 BG01E	GOOD	4/30/81	57		
	10	724	SOIL IR01 BG01E	GOOD	4/30/81	57		
	10	721	SOIL IR01 BG18C-C	GOOD	4/21/81	57		
	10	722	SOIL IR01 BG18B-C	GOOD	4/28/81	57		
	10	712	SOIL IR01 MW38A	GOOD	4/23/81	57		
	10	410	SOIL IR02 B17D	GOOD	11/2/80	57	SAMPLED 4/22/81; WET OVERPACKED	
	10	286	SOIL IR02 MW17B	GOOD	10/17/80	57	SAMPLED 4/22/81 ✓	
	10	308	SOIL IR02 B19D	GOOD	10/17/80	57	SAMPLED 4/22/81	
	10	281	SOIL IR02 B18I	GOOD	10/15/80	57	SAMPLED 4/22/81	
	10	283	SOIL IR02 MW17B	GOOD	10/15/80	57	SAMPLED 4/22/81	
	10	256	SOIL IR02 B18I	GOOD	10/12/80	57	SAMPLED 4/22/81	
	10	301	SOIL IR01 BG06	GOOD	10/8/80	57	SAMPLED 4/22/81	
	10	304	SOIL IR01 BG04	GOOD	10/10/80	57	SAMPLED 4/22/81	
	10	302	SOIL IR01 BG06	GOOD	10/9/80	57	SAMPLED 4/22/81	
	10	303	SOIL IR01 BG04	GOOD	10/10/80	57	SAMPLED 4/22/81	
	10	308	SOIL IR02 BG34	GOOD	10/8/80	57	SAMPLED 4/22/81	
	10	282	SOIL IR02 BG06	GOOD	10/8/80	57	SAMPLED 4/22/81	
	10	283	SOIL IR02 B10B	GOOD	10/10/80	57	SAMPLED 4/22/81	
	10	264	SOIL IR02	B207	10/10/80	57	SAMPLED 4/22/81	
	10	267	SOIL IR02 B18S	GOOD	10/11/80	57	SAMPLED 4/22/81 OVERPACKED	
	10	260	SOIL IR02 B18I	GOOD	10/12/80	57	SAMPLED 4/22/81; WET	
	10	262	SOIL IR02 B18I	GOOD	10/18/80	57	SAMPLED 4/22/81 OVERPACKED	
	10	264	SOIL IR02 B187	GOOD	10/18/80	57	SAMPLED 4/22/81	
	10	308	SOIL IR02 B18D	GOOD	10/17/80	57	SAMPLED 4/22/81	
	10	313	SOIL IR02 MW20B	GOOD	10/18/80	57	SAMPLED 4/22/81	
	10	428	SOIL IR02 B12B	GOOD	11/13/80	57	SAMPLED 4/22/81 OVERPACKED	
	10	427	SOIL IR02 B12D	GOOD	11/13/80	57	SAMPLED 4/22/81	
	10	300	SOIL IR02 B204A-D/206/202	GOOD	10/30/80	57		
	10	338	SOIL IR01 BG04B	GOOD	10/11/80	57		
	10	710	SOIL IR01 MW02B	GOOD	4/19/81	57		
	10	718	SOIL IR01 MW03A	GOOD	4/24/81	57		
	10	685	SOIL IR01 MW02B	GOOD	4/17/81	57		
	10	687	SOIL IR01 MW02B/MW02B	GOOD	4/18/81	57		
	10	700	SOIL IR01 MW02B	GOOD	4/17/81	57		
	10	702	SOIL IR01 MW02B	GOOD	4/17/81	57		
	10	708	SOIL IR01 MW20B	GOOD	4/17/81	57		
	10	703	SOIL IR01 MW02B	GOOD	4/17/81	57	OVERPACKED	
	10	688	SOIL IR01 MW02B	GOOD	4/17/81	57		
	10	720	DECON BUMP	GOOD	11/2/80	57	✓	
	10	701	SOIL IR01 MW02B	GOOD	4/17/81	57		
	10	649	SOIL IR01 BG06	GOOD	4/1/81	57		
							TOTAL DRUMS IN CELL 50	
11/22/80	12	836	SOIL IR07 BG14	GOOD	8/12/81	57		
	12	827	SOIL IR07 BG04	GOOD	8/8/81	57	OVERPACKED	
	12	818	SOIL IR07 BG01	GOOD	8/8/81	57		
	12	924	SOIL IR07 BG03	GOOD	8/8/81	57	OVERPACKED	
	12	821	SOIL IR07 BG06	GOOD	8/8/81	57		
	12	820	SOIL IR07 BG06	GOOD	8/8/81	57		
	12	834	SOIL IR07 BG17	GOOD	8/8/81	57		
	12	2202	MN02 BG06A	GOOD	12/3/81	57	OVERPACKED	
	12	518	SOIL IR07 MW23	GOOD	12/5/81	57	SAMPLED 4/18/81	
	12	496	SOIL IR07 MW20	GOOD	12/7/81	57	SAMPLED 4/18/81; WET OVERPACKED	
	12	498	SOIL IR07 MW20	GOOD	12/7/81	57	SAMPLED 4/18/81; WET OVERPACKED	

12	606	SOIL IR02 MW87A	GOOD	3/6/81	57		
12	608	SOIL IR07 MW15	GOOD	12/6/80	57	SAMPLED 4/18/81	
12	602	SOIL IR07 MW16	GOOD	12/7/80	57	SAMPLED 4/18/81; WET	
12	490	SOIL IR07 B1016	GOOD	12/6/80	57	SAMPLED 4/18/81; WET OVERPACKED	
12	622	SOIL IR01 MW44A	GOOD	3/11/81	57		
12	638	SOIL IR02 B100	GOOD	3/14/81	57		
12	713	SOIL IR01 MW38A	GOOD	4/23/81	57		
12	258	SOIL IR02 B188	GOOD	10/11/80	57	SAMPLED 4/22/81	
12	251	SOIL IR02 B123	GOOD	10/6/80	57	SAMPLED 4/22/81	
12	704	SOIL IR01 MWV028	GOOD	4/17/81	57		
12	688	SOIL IR01 MWV288	GOOD	4/16/81	57	OVERPACKED	
12	686	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	682	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	680	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	681	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	689	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	682	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	676	SOIL IR01 MWV38	GOOD	4/8/81	57		
12	678	SOIL IR01 MWV38	GOOD	4/8/81	57		
12	684	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	684	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	428	SOIL IR02 B124	GOOD	11/13/80	57	SAMPLED 4/22/81	
12	686	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	673	SOIL IR01 MWV638	GOOD	4/8/81	57		
12	674	SOIL IR01 MWV638	GOOD	4/8/81	57		
12	683	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	680	SOIL IR01 MWV638	GOOD	4/11/81	57		
12	678	SOIL IR01 MWV638	GOOD	4/11/81	57		
12	681	SOIL IR01 MWV638	GOOD	4/11/81	57		
12	693	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	688	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	687	SOIL IR01 MWV288	GOOD	4/16/81	57		
12	307	SOIL IR01 B017	GOOD	10/12/80	57	SAMPLED 4/22/81	
12	346	SOIL IR01 B039	GOOD	10/6/80	57	SAMPLED 4/22/81	
12	347	SOIL IR01 B041	GOOD	11/6/80	57	SAMPLED 4/22/81	
12	349	SOIL IR01 B023	GOOD	11/6/80	57	SAMPLED 4/22/81	
12	348	SOIL IR01 B040	GOOD	11/6/80	57	SAMPLED 4/22/81	
12	342	SOIL IR01 B050	GOOD	11/1/80	57	SAMPLED 4/22/81; OVERPACKED	
12	321	SOIL IR01 MW44B	GOOD	10/24/80	57	SAMPLED 4/22/81	
12	328	SOIL IR01 B056	GOOD	10/29/80	57	SAMPLED 4/22/81; WET	
12	329	SOIL IR01 B061	GOOD	10/29/80	57	SAMPLED 4/22/81	
12	324	SOIL IR01 MW442	GOOD	11/26/80	57	SAMPLED 4/22/81	
12	344	SOIL IR01 B036	GOOD	11/21/80	57	SAMPLED 4/22/81	
12	341	SOIL IR01 B066	GOOD	11/1/80	57	SAMPLED 4/22/81	
12	336	SOIL IR01 MW442	GOOD	10/26/80	57	SAMPLED 4/22/81	
12	322	SOIL IR01 MW44B	GOOD	10/24/80	57	SAMPLED 4/22/81; OVERPACKED	
12	343	SOIL IR01 B032	GOOD	11/2/80	57	SAMPLED 4/22/81	
12	326	SOIL IR01 MW442	GOOD	10/26/80	57	SAMPLED 4/22/81; WET	
12	707	SOIL IR01 MWV028	GOOD	4/17/81	57		
12	698	SOIL IR01 MWV028	GOOD	4/17/81	57		
12	706	SOIL IR01 MWV028	GOOD	4/17/81	57		
12	705	SOIL IR01 MWV028	GOOD	4/17/81	57		
12	708	SOIL IR01 MWV028	GOOD	4/17/81	57		

TOTAL DRUMS IN CELL 84

11/22/84	14	2329	SOIL IR02 PB3A8-B	0000	2/6/82	67	OVERPACKED
	14	808	SOIL IR02 MWB7A	0000	3/6/81	67	
	14	830	SOIL IR02 B068	0000	3/13/81	67	
	14	828	SOIL IR02 MWB3A	0000	3/12/81	67	
	14	818A	SOIL IR01 MWB3A	0000	3/6/81	67	
	14	837	SOIL IR02 B100	0000	3/14/81	67	
	14	733	BUMP SEDIMENT IR03	0000	5/6/81	67	SAMPLED 12/23/82
	14	732	BUMP SEDIMENT IR03	0000	5/6/81	67	SAMPLED 12/23/82
	14	630	BUMP SEDIMENT IR03	0000	5/6/81	67	SAMPLED 12/23/82
	14	632	BUMP SEDIMENT IR03	0000	5/6/81	67	SAMPLED 12/23/82
	14	631	BUMP SEDIMENT IR03	0000	5/6/81	67	SAMPLED 12/23/82
	14	730	BUMP SEDIMENT IR03	0000	5/6/81	67	SAMPLED 12/23/82
	14	829	SOIL IR07 B034	0000	5/6/81	67	OVERPACKED
	14	918	SOIL IR07 B001	0000	5/6/81	67	
	14	990	DRUM LINERS	0000	8/14/81	67	
	14	2260	SOIL IR02 B068	0000	12/21/81	67	
	14	2267	SOIL IR02 B068	0000	12/20/81	67	OVERPACKED
	14	2231	SOIL IR02 B104D	0000	12/6/81	67	
	14	2206	SOIL IR02 B108A	0000	12/4/81	67	
	14	2241	SOIL IR02 B108	0000	12/10/81	67	
	14	2220A	SOIL IR02 B104D	0000	12/6/81	67	
	14	2233	SOIL IR02 B112	0000	12/6/81	67	
	14	2247	SOIL IR02 B108	0000	12/11/81	67	
	14	2262	SOIL IR02 B068	0000	12/12/81	67	
	14	2207	SOIL IR02 B108A	0000	12/4/81	67	
	14	2246	SOIL IR02 B108	0000	12/11/81	67	
	14	2266	SOIL IR02 B260	0000	12/17/81	67	
	14	2237	SOIL IR02 B108	0000	12/6/81	67	
	14	2248	SOIL IR02 B108	0000	12/12/81	67	
	14	2249	SOIL IR02 B108	0000	12/12/81	67	OVERPACKED
	14	2236	SOIL IR02 B112	0000	12/6/81	67	
	14	2242	SOIL IR02 B201	0000	12/10/81	67	
	14	2228	SOIL IR02 B108A	0000	12/4/81	67	
	14	2273	SOIL IR02 B068	0000	1/3/82	67	
	14	2201	SOIL IR02 B068A	0000	12/3/81	67	OVERPACKED
	14	2268	SOIL IR02 MWB8A	0000	1/2/82	67	
	14	2274	SOIL IR02 B068	0000	1/3/82	67	
	14	2240	SOIL IR02 B108	0000	12/10/81	67	
	14	2244	SOIL IR02 B200	0000	12/11/81	67	
	14	2208	SOIL IR02 B068	0000	12/4/81	67	
	14	2234	SOIL IR02 B112	0000	12/6/81	67	
	14	2232	SOIL IR02 B104A	0000	12/6/81	67	
	14	2277	SOIL IR01 MWB2A	0000	1/6/81	67	
	14	2262	SOIL IR01 MWB3A	0000	12/18/81	67	
	14	2203	IR02 B068A	0000	12/3/81	67	OVERPACKED
	14	2278	SOIL IR02 B262	0000	1/7/82	67	OVERPACKED
	14	2263	SOIL IR01 MWB3A	0000	12/18/81	67	OVERPACKED
	14	2261	SOIL IR01 MWB3A	0000	12/18/81	67	
	14	2204	SOIL IR02 B068	0000	12/4/81	67	OVERPACKED
	14	2238	SOIL IR02 B122	0000	12/6/81	67	
	14	2228A	SOIL IR02 B104A	0000	12/6/81	67	
	14	2272	SOIL IR02 B068	0000	1/3/82	67	
	14	2243	SOIL IR02 B107	0000	12/10/81	67	
	14	2270	SOIL IR02 MWB8A	0000	1/2/82	67	
	14	2238	SOIL IR02 B136	0000	12/6/81	67	

	14	2268	SOIL IR02 B258	GOOD	12/17/81	67		
	14	2271	SOIL IR02 MW08A	GOOD	1/2/82	67		
	14	2248	SOIL IR02 B200	GOOD	12/11/81	67		
	14	2261	SOIL IR02 B088	GOOD	12/12/81	67		
	14	2238	SOIL IR02 B142	GOOD	12/8/81	67		
	14	2119	SOIL IR02 MW168A	GOOD	3/7/81	67		
	14	728	SOIL IR01 B01BP	GOOD	6/1/81	67		
	14	308	SOIL IR01 B048	GOOD	10/11/80	67	HIGH OVA; WET OVERPACKED	
	14	333	SOIL IR01 MW42	GOOD	10/24/80	67	SAMPLED 4/28/81 OVERPACKED	
							TOTAL DRUMS IN CELL	64
11/22/84	13	2446	SOIL IR22 MW08A	GOOD	4/28/83	186	OVERPACKED	
	13	2448	SOIL IR22 MW08A	GOOD	4/28/83	186		
	13	2453	SOIL IR22 MW15A	GOOD	4/28/83	186		
	13	2447	SOIL IR22 MW18A/B015	GOOD	4/28/82	186	OVERPACKED	
	13	2388	SOIL IR12 MW21	GOOD	1/17/83	186		
	13							
	13	2165	SOIL MW37, PA32	GOOD	3/2/83	142	TO BE TESTED OVERPACKED	
	13	2166	SOIL MW38, PA33	GOOD	3/2/82	142	TO BE TESTED OVERPACKED	
	13	2482	SOIL	GOOD	6/6/82	142	CONTENT OF BLDG 166 BUMP	
	13	220	SOIL CUTTINGS	GOOD	6/30/82	142		
	13	887	BUMP SEDIMENT IR03	GOOD	4/6/81	67	1/2 FULL; SAMPLED 12/23/82	
	13	730	DRUM LINERS	GOOD	6/13/81	67		
							TOTAL DRUMS IN CELL	11

105 Drums / 304 Drums