



DEPARTMENT OF HEALTH & HUMAN SERVICES

Memorandum

To: Pinellas Plant Working Group

From: Peter Darnell, DCAS Health Physicist
Brian Gleckler, ORAU Team Health Physicist
Muttu Sharfi, ORAU Team Health Physicist
Matthew Smith, ORAU Team Health Physicist

Subject: Response to SC&A Memorandum on Matrix Issue #6: Decontamination and Decommissioning

Date: March 3, 2016

The following update responds to SC&A's February 3, 2016 comments on Matrix Issue #6: Decontamination and Decommissioning. The original SC&A comment was:

Issue 6 – The decontamination and decommission (D&D) era of Pinellas operations is not sufficiently addressed.

In the January 2016 SC&A response, this issue was open at the 11/19/2012 WG meeting.

SC&A Comment

The SME from January 2012 interviews indicated that all the contract employees were monitored by Pinellas RadSafe, before, during and after the D&D operations. Issue remained open pending NIOSH receipt of confirmatory D&D monitoring records from Albuquerque (11/19/2012 transcript, pp. 53–54).

During the February 11, 2016 Pinellas Working Group (WG) meeting, NIOSH described its Site Research Data Base (SRDB) holdings for the site. NIOSH has captured 5161 references in the SRDB. This represents an exhaustive search for Pinellas records and includes records searches at Albuquerque. Accordingly, the WG had placed this issue in abeyance until delivery of the Sandia National Laboratories (SNL) finding aid. NIOSH received the finding aid on March 1, 2016 and assessed its usefulness based on key word searches.

The key words used to search the finding aid are in the following table. The key words used were chosen to determine if there was any information related to health physics; site radioactive materials; site decontamination and decommissioning (D&D); and, radiation protection was in the finding aid.

NIOSH/ORAU Key Word Searches of SNL Finding Aid				
<ul style="list-style-type: none"> • Leak • Break • Spill • Incident • Problem • Dosimetry 	<ul style="list-style-type: none"> • Accident • Failure • Health/HP • Survey • Document • TLD 	<ul style="list-style-type: none"> • Procedure • Monitor • Urine • Tritium • Bioassay • Tritide 	<ul style="list-style-type: none"> • Air • Contamination • Bed • S. M. Stoller Corporation • Stoller 	<ul style="list-style-type: none"> • MACTEC Environmental Restoration Services • Decontamination • Uranium • Radiation • Neutron

During the 2008, 2010 and 2014 data captures at SNL and Morgantown (Legacy Management holdings), NIOSH captured 103 documents (see attached listing). Of the 44 documents captured in 2010, only one provided information (SRDB 86965) useful to the Pinellas TBD efforts. The 2010 and 2014 data capture efforts exhausted the known cache of unclassified documents.

The latest SNL finding aid of Pinellas holdings lists 50 boxes containing various documents that, based upon the title of the documents, mostly relate to plant operations. However, NIOSH did note that the SNL finding aid contains some document titles that indirectly could be of potential value (e.g., *The Helium3 Release and Retention Characteristics and the Stoichiometric Behavior of Aged Tritided Uranium, Uranium Oxide and Uranium-Aluminum Samples*). While these titles relate to possible source terms, they do not relate to D&D or radiation safety programmatic knowledge.

Based on our review, NIOSH believes that none of the documents in the SNL finding aid will add to our understanding of the D&D activities at Pinellas.

Because of its size (60 pages), NIOSH will place a copy of the finding aid on the ABRWH drive in the following folder:

ABRWH\AB Document Review\Pinellas\Finding Aid

Sincerely,

[Signature on File]

Peter Darnell, CHP, RRPT
 Division of Compensation Analysis and Support

Sandia National Laboratory 2008 and 2010 Data Capture Results

Ref ID	Title	PDN	Comments
12839	Final Radiological Status Report - Area 351 A-H July 15, 1996	240001109	Captured at SNL on 04/12/2008 but document already in the
12877	Final Radiological Status Report - Building 550 A and B July 23, 1996	240001139	Captured at SNL on 04/12/2008 but document already in the
12897	Final Radiological Status Report - Area 135 and 147 July 23, 1996	240001147	Captured at SNL on 04/12/2008 but document already in the
12907	Final Radiological Status Report Areas 150, 164, and 168 March 15 and 20, 1996	240001150	Captured at SNL on 04/12/2008 but document already in the
12945	Internal Dosimetry Technical Basis Document - Lockheed Martin - 1995	240001222	Captured at SNL on 04/12/2008 but document already in the
13137	Final Radiological Status Report Area 350 A, R-Y and MA	240001277	Captured at SNL on 04/12/2008 but document already in the
52188	Personnel Exposure Data Sorted by Badge Number	030037917	
52189	Personnel Exposure Data Sorted by Whole Body Dose 1996	030037918	
52190	Updated Life Dose Sorted by Badge Number 1996	030037919	
52223	Pinellas Plant Personnel External Dosimetry	030037920	
52230	Safety Office Active Employee Listing by Badge Number as of August 18, 1996	030037921	
52233	Bioassay Results December 1996	030037922	
52236	Bioassay Results November 1996	030037923	
52238	Bioassay Results October 1996	030037924	
52239	Bioassay Results September 1996	030037925	
52240	Bioassay Results January - August 1996	030037926	
52248	Bioassay Results June 1996	030037927	
52249	Bioassay Results April 1996	030037928	
52250	Bioassay Results March 1996	030037929	
52251	Bioassay Results February 1996	030037930	
52252	Bioassay Results January 1996	030037931	
52253	Bioassay Results December 1995	030037932	
52254	Landauer External Exposure Report 1996	030037934	
52255	INEL Radiation Dosimetry System Company Radiation Dose Equivalent Report	030037934	
52256	Landauer Personnel Exposure Report Fourth Quarter CY 1996	030037935	
52257	Landauer Personnel Exposure Report Third Quarter CY 1996	030037936	
52258	Landauer Personnel Exposure Report First Quarter CY 1996	030037938	
52259	Landauer Personnel Exposure Report Second Quarter CY 1996	030037937	
52260	Radiation Exposure Report DOE Pinellas Plant Area 108 Cleanup Project September 1996 -	030037939	
52263	Bioassay Results October-December 1994	030037940	
52406	Bioassay Results July-September 1994	030037941	
52408	Bioassay Results April-June 1994	030037942	
52409	Bioassay Results January-March 1994	030037943	
52410	Landauer Personnel Exposure Report Fourth	030037944	
52411	Landauer Personnel Exposure Report Third Quarter	030037945	
52412	Landauer Personnel Exposure Report Second Quarter 1994	030037946	
52414	Landauer Personnel Exposure Report First Quarter	030037947	
52415	Spare Badges Issued Report 1994	030037948	
52417	Dose Data Summary 1994	030037949	
52418	Personnel Dosimetry -TLD System Questionnaire	030037950	

Ref ID	Title	PDN	Comments
52420	Dose Data Summary 1995	030037951	
52421	Bioassay Results December 1995	030037952	
52422	Bioassay Results November 1995	030037953	
52423	Bioassay Results October 1995	030037954	
52425	Bioassay Results September 1995	030037955	
52427	Bioassay Results August 1995	030037956	
52429	Bioassay Results July 1995	030037957	
52430	Bioassay Results June 1995	030037958	
52431	Bioassay Results May 1995	030037959	
52433	Bioassay Results April 1995	030037960	
52434	Bioassay Results March 1995	030037961	
52435	Bioassay Results February 1995	030037962	
52436	Bioassay Results January 1995	030037963	
52437	Landauer Personnel Exposure Report Fourth	030037964	
52440	Landauer Personnel Exposure Report Third Quarter	030037965	
52441	Landauer Personnel Exposure Report Second Quarter 1995	030037966	
52443	Landauer Personnel Exposure Report First Quarter	030037967	
52444	Active Employee Listing as of May 21, 1995	030037968	
52445	Bioassay Results Fourth Quarter 1993	030037969	
52446	Bioassay Results Third Quarter 1993	030037970	
52447	Bioassay Results Second Quarter 1993	030037971	
52450	Bioassay Results First Quarter 1993	030037972	
52499	Landauer Personnel Exposure Report Fourth	030037973	
52500	Landauer Personnel Exposure Report Third Quarter	030037974	
52501	Landauer Personnel Exposure Report Second Quarter 1993	030037975	
52503	Landauer Personnel Exposure Report First Quarter	030037976	
52505	Spare Badges and Visitor Badges Issued 1993	030037977	
52506	Personnel Dose Summary 1993	030037978	
52508	Area Characterization and Final Closeout Report Area 111 A and H	030037979	
52509	Final Radiological Status Report Area 126	030037980	
52511	Final Radiological Status Report Area 350 B, C and	030037981	
52512	Final Radiological Status Report Area 350 D, E and	030037982	
52515	Final Radiological Status Report Area 351 I-L, N, R1 and R2	030037984	
52516	Final Radiological Status Report Area 352	030037985	
52520	Final Radiological Status Report Building 500	030037986	
52522	Final Radiological Status Report Area 550D	030037987	
52523	Final Radiological Status Report Buildings 700, 710 and 720	030037988	
52524	Final Radiological Status Report Building 800	030037989	
52525	Final Radiological Status Report Building 1000	030037990	
52526	Final Radiological Status Report Building 1010	030037991	
52527	Final Radiological Status Report Building 1040	030037992	
52528	Final Radiological Status Report Building 1050	030037993	
52530	Final Radiological Status Report Building 1225, 1230 and 1236	030037994	
52531	Final Radiological Status Report Area 106	030037995	
52532	Final Radiological Status Report Area 107	030037996	
52534	Final Radiological Update on Floor in Area 108	030037997	
52540	Final Radiological Status Report Area 108	030037998	
52541	Final Radiological Status Report Area 109	030037999	
52543	Final Radiological Status Report Area 148	030038000	

Ref ID	Title	PDN	Comments
52545	Final Radiological Status Report Area 173	030038001	
52546	Final Radiological Status Report Area 190 E-L, N, O, U, Q and S	030038002	Better copy captured at DOE Morgantown on 06/18/2014 - original replaced.
52548	Final Radiological Status Report Area 191	030038003	
52549	Final Radiological Status Report Building 200	030038004	
52551	Final Radiological Status Report Area 306	030038005	Better copy captured at DOE Morgantown on 06/18/2014 - original replaced.
52552	Final Radiological Status Report Area 307	030038006	
52553	Final Radiological Status Report Area 308	030038007	
52554	Final Radiological Status Report Area 309	030038008	
52555	Final Radiological Status Report Area 310	030038009	
52556	Final Radiological Status Report Area 313	030038010	
52557	Final Radiological Status Report Area 314	030038011	Better copy captured at DOE Morgantown on 06/18/2014 - original replaced.
52558	Final Radiological Status Report Area 315	030038012	Better copy captured at DOE Morgantown on 06/18/2014 - original replaced.
52559	Final Radiological Status Report Area 349	030038013	
86965	Health Protection Survey Reports	030074098	Only Pinellas document captured during the 2010 data capture at