



DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND DETACHMENT
RADIOLOGICAL AFFAIRS SUPPORT OFFICE (RASO)
NWS P.O. DRAWER 260
YORKTOWN, VA 23691-0260

6470
Ser 02E/991539/0707
20 October 1999

From: Officer in Charge, Naval Sea Systems Command Detachment,
Radiological Affairs Support Office (RASO)
To: Commanding Officer, Engineering Field Activity West,
(ATTN: Jil Finnegan)

Subj: RADIOACTIVE ISOTOPE SPECTRAL ANALYSIS

Ref: (a) EFA-WEST Jil Finnegan memo dtd 6 Oct 99, Final
Laboratory Analytical Results

1. Sandblast grit was discovered and removed from an excavation site at Parcel B, at the former Hunter's Point Naval Shiyard. There was a concern by the Remedial Project Manager whether the sandblast grit should be tested for radioactivity prior to shipment off-site. RASO was consulted, and recommended that samples taken from the sandblast grit be tested by gamma and alpha spectral analysis.
2. Reference (a) forwarded the final laboratory analytical results of the sandblast grit samples. Upon review of the data, RASO concludes there is no radiological hazards associated with the sandblast grit.
3. NAVSEADET RASO point of contact is LCDR Vincent DeInnocentiis at DSN 953-4692, commercial (757) 887-4692, or commercial fax (757) 887-3235.


S. W. DOREMUS

991539

EFA WEST MEMORANDUM

Date: October 6, 1999

To: LCDR Vinnie Deinnocentiis

From: Jil Finnegan; EFA West , 97

Re: HPS Radiological Testing

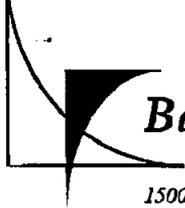
Enclosed is a copy of the analytical results of the radiological testing of the black sand-blast grit excavated at Hunters Point Shipyard. I would greatly appreciate a letter from RASO stating that based on the results there is no radiological concern.

The letter can be sent to:

Jil Finnegan
EFA West
900 Commodore Drive, 208/2
San Bruno, CA 94066

Please give me a call if I can provide any additional information. I can be reached at 650-244-2554.

Date: 16-Sep-99



Barringer Laboratories, Inc.

15000 W 6th Avenue Suite 300 Golden, Colorado 80401-5047 (800) 654-0506 (303) 277-1687 Fax (303) 277-1689

Dave Ochs
IT Corp.
ITEH Old Davis Road
Davis, CA 95616
Phone: 1-530-752-2916
Fax: 1-530-752-8991

Work Order: 9908256
Project: 773247

Dear Dave Ochs,

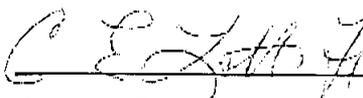
Barringer Laboratories, Inc. received 5 samples on 08/26/99 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.



Michael Howard
Radiochemistry Laboratory Manager



Clarence Lott
Project Review

9/17/99

**Barringer Laboratories, Inc.**

15000 W 6th Avenue Suite 300 Golden, Colorado 80401-5047 (800) 654-0506 (303) 277-1687 Fax (303) 277-1689

CLIENT: IT Corp. (Davis)
Project: 773247
Lab Order: 9908256
Date Received: 8/26/99

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Matrix	Collection Date
9908256-01A	SP 7-5A-A&B		Soil	8/24/99 2:30:00 PM
9908256-02A	SP 7-5A-C&D		Soil	8/24/99 2:45:00 PM
9908256-03A	SP 10-A&B		Soil	8/24/99 3:45:00 PM
9908256-04A	SP 10-C&D		Soil	8/24/99 4:00:00 PM
9908256-05A	Composite:97% from 7-5A-A,B,C,D, 3% from		Soil	8/24/99



Barringer Laboratories, Inc.

15000 W 6th Avenue Suite 300 Golden, Colorado 80401-5047 (800) 654-0506 (303) 277-1687 Fax (303) 277-1689

CLIENT: IT Corp. (Davis)

Project: 773247

Work Order: 9908256

CASE NARRATIVE

All reported values in this report have been rounded to the correct number of significant figures. All calculations have been performed before applying significant figures, therefore, not all calculations may be reproducible with the results printed in this report.


Barringer Laboratories, Inc.

15000 W 6th Avenue Suite 300 Golden, Colorado 80401-5047 (800) 654-0506 (303) 277-1687 Fax (303) 277-1689

Client: IT Corp. (Davis)
Lab Order: 9908256
Project: 773247
Lab ID: 9908256-05A

Client Sample ID: Composite:97% from 7-SA-A,B,C,D, 3% from 1
Tag Number:
Collection Date: 08/24/1999
Matrix: Soil

Analyses	CAS#	Result ± 2 sigma	Limit	Qual	Units	DF	Analyzed	Batch
AMERICIUM/CURIUM ISOTOPIC, TOTAL		Method: EPA 907.0M/520M					Analyst: LLG	
Americium-241	14596-10-2	-0.10 ± 0.10	0.3		pCi/g	1	09/01/1999	P738
GAMMA SPECTROSCOPY, TOTAL		Method: EPA 901.1					Analyst: BKS	
Cesium-134	7440-46-2	ND	0.06		pCi/g	1	08/30/1999	A1306
Cesium-137		ND	0.06		pCi/g	1	08/30/1999	A1306
Cobalt-58		ND	0.06		pCi/g	1	08/30/1999	A1306
Cobalt-60		ND	0.07		pCi/g	1	08/30/1999	A1306
IRON-55, TOTAL		Method: BLI RC-Fe/Ni					Analyst: AGM	
Iron-55		1.7 ± 6.6	10		pCi/g	1	09/09/1999	P715
ISOTOPIC PLUTONIUM, TOTAL		Method: EPA 907.0M/520M					Analyst: LLG	
Plutonium-238		0.080 ± 0.10	0.1		pCi/g	1	09/01/1999	P739
Plutonium-239/240		-0.030 ± 0.080	0.2		pCi/g	1	09/01/1999	P739
ISOTOPIC URANIUM, TOTAL		Method: EPA 908.0M					Analyst: CAJ	
Uranium-233/234		1.4 ± 0.80	0.6		pCi/g	1	09/03/1999	P761
Uranium-235/236		-0.069 ± 0.30	0.6		pCi/g	1	09/03/1999	P761
PLUTONIUM-241, TOTAL		Method: EPA 907.0M/520M					Analyst: LLG	
Plutonium-241		-0.28 ± 0.26	0.5		pCi/g	1	09/09/1999	P872

Qualifiers: ND - Not detected at the reporting limit
 J - Analyte detected below quantitation limits
 E - Value above quantitation range
 R - RPD outside accepted recovery limits
 X - Duplicate sample(s) < 5 times limit

S - Spike recovery outside accepted recovery limits
 Y - Unspiked sample > 4 times amount spiked
 B - Analyte detected in the associated method blank
 Z - Sample > 10 times blank result



DEPARTMENT OF THE NAVY
ENGINEERING FIELD ACTIVITY, WEST
NAVAL FACILITIES ENGINEERING COMMAND
900 COMMODORE DRIVE
SAN BRUNO, CALIFORNIA 94068-5008

IN REPLY REFER TO:

Code 6227
23 August 1999

IT Corporation
Attn: Mr. Don Marini
Sr. Project Manager
4585 Pacheco Boulevard
Martinez, CA 94553-2233

SUBJ: Delivery Order 0109, Parcel B, Hunters Point Shipyard,
Contract N62474-93-D-2151

Dear Mr. Marini:

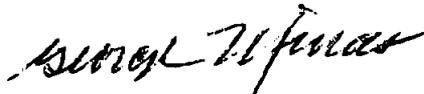
There is a concern that the sandblast grit excavated from 7-5 and the utility line site by Building 120 may contain radioactive material. The issue was discussed during an August 16 conference call with Peter Merz of IT, Vinnie Deinnocentiis of Navy Radiological Affairs Support Office (RASO), and Jil Finnegan of EFA West. During the call, it was agreed that a single sample should be submitted for alpha spectral and gamma spectral analyses to determine if radiation other than normally occurring or background is present in the soil.

The purpose of this letter is to request that IT Corporation collect a single representative sample from both 7-5 sandblast grit stockpile and the utility line excavation stockpile to be composited in the lab for the above mentioned analyses. Composite percentages shall be at the discretion of field personnel. The 7-5 overburden stockpile does not require sampling.

Once the analyses results are reported, IT should coordinate with EFA West and RASO to determine the most appropriate deposition.

The Engineer-in-Charge is Jil Finnegan, Code 6227, at (650) 244-2554. Questions of a contractual nature may be addressed to George Minas, Contract Specialist, Code 625.1GM at (650) 244-2474.

Sincerely,


GEORGE MINAS
Contracting Officer

cf: Codes 625.1GM, 70221, 622, 6221, 6227
HPS CSO (Attn: Mr. David Quichocho)
SF Bay ROICC (Attn: Ms. Tanya Nakhimovski)
RASO (Attn: Mr. Vinnie Deinnocentiis)