

Notable Event Report

Title of Event			
Event Title:	Hampton Roads Sanitation District (HRSD) - Notice of Violation (NOV)		
Date and Time of Occurrence:	11/23/2015 – NOV letter rec'vd on 01/19	Notable Event Number:	ESH&Q-16-0119
Event Location:	Manhole EF	Date Notable Event Report is Due*:	02/19/2016

*The Notable Event Report is due to the ESH&Q Reporting Officer with 30 days of the Initial Fact Finding Meeting unless an extension is requested.

Summary of Event and / or Injuries, including Initial Fact Finding Meeting information: determine the chain of events and timeline. Use attachment as necessary.

On 11/23/2015 Hampton Roads Sanitation District (HRSD) collected a water sample at manhole EF. The sample results revealed zinc levels above Jefferson Lab's HRSD permit daily allowable limit.

Jefferson Lab was notified by HRSD via phone call on December 17, 2015. Upon receiving the phone call, ESH&Q collected samples from manhole EF and FM&L contracted Chem Treat to collect samples from the site Cooling Towers. These sample results were within the allowable limits.

The Lab has continued to check various activities that may have elevated the zinc levels on 11/23 to include: Building 58 Ultrapure water room & Acid waste neutralization skid, Accelerator tunnel activities, CUP building activities, HDIce and associated activities, Newport News Waterworks, Walk-down of all the manholes, EEL fabrication shops and cleanroom activities, site janitorial products, and the Counting House RadCon sump.

Notes:

The HRSD NOV letter has a request for response to this violation which was due 15 days from the receipt of this letter. (See attached NOV)

Causal Analysis: (Use attachment as necessary)

Root Cause:	Exact source of the zinc is unknown at this time. The Lab does not have a history of similar violations or a reference point to pinpoint the violation.
Contributing Causes: (List as many as apply.)	N/A

Extent of Condition Check	<u>JLab CATS Number</u>	Target Date	Action Owner
See summary for details			

Corrective Action(s)	<u>JLab CATS Number</u>	Target Date	Action Owner
Send HRSD the plan of action to ensure future compliance within 15 days from the receipt of the NOV. Evidence of completion: Submittal letter/plan	NE-2016- 02	02/29/2016	B. Rainey
Sample monthly Manhole EF and multiple upstream locations that contribute to this junction for 3 months. Evidence of completion: File location of results	NE-2016-02	05/31/2016	B. Rainey

Lessons Learned (Confer with Lessons Learned Coordinator) (Use attachment as necessary)	<u>Lessons Learned Number</u>

Witness Accounts: (Use attachments as necessary. Box will expand as necessary)

Records, Documents, Pictures, and Other References: (Copy and paste, use attachments or document links as necessary)



December 30, 2015

Certified Mail/Return Receipt 7016 0640 0007 7712 2175

Mr. Joseph Arango
Site Office Manager
Thomas Jefferson National Accelerator Facility
12000 Jefferson Avenue, Suite 14
Newport News, VA 23606

Dear Mr. Arango:

The enclosures listed below are issued to your facility by the Pretreatment & Pollution Prevention Division of Hampton Roads Sanitation District:

NOTICE OF VIOLATION - Specific violations and associated point assessment(s) are indicated by an (X)

COMPLIANCE ACTION REQUIRED - Please comply with the specific response requirement(s) indicated by an (X).

Should you have any questions, please feel free to contact Mr. Mike Martin (757) 833-1750 or m3data@hrsd.com.

Sincerely,

Ronald E. Johnson
Chief of Pretreatment & Pollution Prevention

RE:Wkd

Enclosures

cc: Mr. Mike Martin, HRSD NSP3
Mr. Bill Rainey, EHS Department Manager

PO Box 5902, Virginia Beach, VA 23471-0502 • 757.460.7045 • Fax 757.464.5985


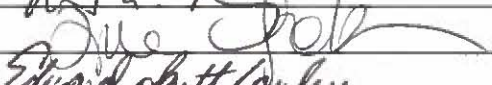
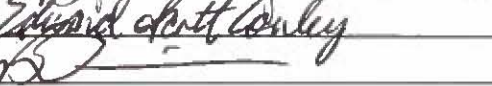
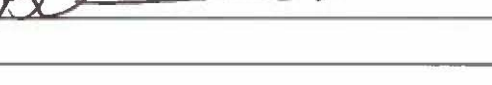
Commissioners: Vladimir K. Lakdawala, PhD, Chair • Frederick N. Blanton, CPA, Vice-Chair • Michael E. Glenn
Arthur C. Brederhaver • Maurice P. Lynch, PhD • Stephen C. Rodriguez • Susan M. Rottis • Willie Levenston, Jr.
www.hrsd.com

Emergency Notifications Made (Subsequent to the Event):	Date	Time
Fire, Rescue & Emergency Medical: (9-911)		
Guard Post: x5822; 269-5822		
Occupational Medicine 269-7539		
ESH&Q Reporting Officer: 876-1750	12/17/2015	~ 1545
Crew Chief 630-7050		
Industrial Hygiene: 269-7863:		
Other:		


Confirmation Review Distribution: Investigation Team Members Affected Division Managers ESH&Q Reporting Officer	It is asked that you review and provide comments to this document to the Lead Investigator (denoted on Page 1) within 30 days. Your comments will be reviewed and incorporated as appropriate. Thank you for your consideration in this matter.
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Investigation Team Confirmation:

The below signees, confirm to the best of their knowledge, that the information presented in this document is accurate and complete.

Role	Print	Signature	Date
Lead Investigator	Bill Rainey		2/23/16
ESH&Q	Tina Johnson		2/23/16
SME	Scott Conley		2/24/16
SME	Ed Winslow		2/24/16

Acceptance/Acknowledgement of Facts

	Print	Signature	Date:
Associate Director/ Department Manger			2/26/16

Upon confirmation submit document to the ES&H Reporting Officer for completion and distribution.

Documentation of Findings: (To be Completed by ESH&Q Reporting Officer)

Notable Event Number:	ESH&Q-16-0119
CATS Number:	NE-2016 -02
Lessons Learned Number:	N/A
ORPS Number:	SC--TJISO-JSA-TJNAF-2016-0001

<u>NTS Number:</u>	N/A
<u>CAIRS Entry:</u>	N/A
<u>DOE Cause Code:</u>	Unable to determine the source of the zinc
ISM Code:	Provide Feedback and Continuous Improvement

Unless otherwise specified the following is to be completed by the **Lead Investigator**.

Step 1 Initial Fact-Finding Meeting (To be held as soon as reasonably possible following event (within 24 hours))			
Date:	01/13/2016	Time:	~10:00
Location:	ARC 641		
Required Attendees: (Print Name)		Optional Attendees: (Print Name) Present	
Lead Investigator:	Bill Rainey	Associate Director:	Mary Logue Notified
ESH&Q Representative:	Tina Johnson	TJSO Observer:	Patty Hunt Invited
Supervisor of involved persons(s):		Subject Matter Expert(s), Facility/Equipment Owner as applicable:	
Involved or impacted person(s):		Jennifer Williams	
		Ed Winslow	
		Scott Conley	
Witness(es):			

Agenda <i>(Ensure the pace of the meeting allows time for accurate note taking.)</i>	√ if Complete
1. Introduction – Provide Event Title, Date and Time of Occurrence, and Location:	√
2. Attendance - Are Required Attendees present.	√
3. Purpose of Initial Fact-Finding meeting.	√
4. Event Reconstruction – Use information to complete Section 3. <u>Summary of Event and/or Injuries</u> below.	√
a. Personnel and organizations involved in the event.	√
b. Conditions and actions preceding the event.	√
c. Chronology (timeline) of the event; and	√
d. Immediate actions taken in response to the event.	√
5. Clarify information – <u>Subject-Matter Expert</u> (SME) confirms work conditions.	√
6. <u>Stop Work</u> or the <u>Tag Out</u> Required? If “Yes” – establish the restart criteria and inform the affected Management chain.	n/a
7. Compensatory Actions Required? If “Yes” determine responsibility and include confirmation documentation.	n/a
8. Records or documentation required to confirm, clarify, or complete information (i.e., work plans, work control documents, photos, etc).	√
9. Other Questions or Concerns: Ask attendees if there are any other questions, concerns, or information that they wish to provide.	√
10. Obtain TJSO Observer feedback on conduct of fact finding meeting and potential improvements.	N/A

Step 2 Investigation Team:		Date Convened: (Within 24 hours of Fact Finding Meeting.)	01/13/2016 and 01/20/2016	
Role	Name	Department/Group	Phone	
Lead Investigator	Bill Rainey	ESH&Q	7898	
ESH&Q Reporting Officer	Tina Johnson	ESH&Q	7611	
SME	Jennifer Williams	ESH&Q	7882	
SME	Scott Conley	ESH&Q	7308	
SME	Ed Winslow	FM&L		
<u>TJSO Observer</u>				TJSO

Environmental Aspects			
Type of Material Released:		Quantity:	
Zinc		Unknown	
Source:		Time Flow was Halted or Controlled:	
Unknown		Single day occurrence to the best of our knowledge	
For Investigation Team (√ All That Apply):			
<input type="checkbox"/> Reportable Quantity	<input type="checkbox"/> Impact Ground/Soil	<input type="checkbox"/> Storm Water Channel/Drain	<input checked="" type="checkbox"/> Sanitary Sewer

Categorization and Reporting			
(To be completed by ESH&Q Reporting Officer within two hours – unless essential information is still pending)			
ORPS Determination:	Date:	01/19/2016	Time: 4:34 pm

Categorization and Reporting

(To be completed by ESH&Q Reporting Officer within two hours – unless essential information is still pending)

ORPS Determination:	Date: 01/19/2016	Time: 4:34 pm
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ESH&Q-16-0119 Hampton Roads Sanitary District (HRSD) Notice of Violation (NOV)- 11/23/2015

From : Christina Johnson <cjohnson@jlab.org>

Tue, Jan 19, 2016 04:34 PM

Subject : ESH&Q-16-0119 Hampton Roads Sanitary District (HRSD) Notice of Violation (NOV)- 11/23/2015

To : Steve Nelson <snelson@jlab.org>, Patricia Hunt <phunt@jlab.org>

Cc : Mary Logue <logue@jlab.org>

Good Afternoon Steve and Patty,

As mentioned this morning we received the HRSD Notice of Violation (NOV) today as a result of our zinc levels exceeding our daily limit.

The sample was taken by HRSD on 11/23/2015 at manhole E/F. The Lab is currently trying to determine the source, but so far has been unsuccessful.

The Lab has determined that this is a Notable Event and that it is also ORPS Reportable.

(1) SC (4)

Any written notification from an outside regulatory agency that a site/facility is considered to be in noncompliance with a schedule or requirement (e.g., Notice of Violation, Notice of Intent to Sue, Notice of Noncompliance, Warning Letter, Finding of Violation, Finding of Alleged Violation, Administrative Order, or equivalent notification or enforcement action).

In the meantime, if you have any questions or concerns, feel free to contact me.

Regards

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Tina Johnson

10 CFR 851 Screen:	Date: 01/19/2016	Time: 4:34 pm
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Negative: This event does not meet the voluntary criteria as a discreet or as a programmatic weakness.

Final Distribution:

- [ES&H Reporting Officer](#) (Original)
 Associate Director/Department Manager
- [Division Safety Officer](#)
- Investigation Team Members
- [ESH&Q Liaisons](#)

Form Revision Summary

- Revision 1.5 – 10/04/13** – Changed COE to Lessons Learned; updated links.
- Revision 1.4 – 09/06/12** – Qualifying Periodic Review. Clarification of content only.
- Revision 1.3 – 01/31/12** – Updated ESH&Q Reporting Officer assignment from S.Smith to C.Johnson per M.Logue Edited to clarify process steps.
- Revision 1.2 – 10/20/11** – Updated ESH&Q Reporting Officer assignment from J.Kelly to S.Smith per M.Logue.
- Revision 1.1 – 05/24/11** – Edited to clarify process steps.
- Revision 1.0 – 11/23/10** – Updated to reflect current laboratory operations.

ISSUING AUTHORITY	FORM TECHNICAL POINT-OF-CONTACT	APPROVAL DATE	REVIEW DATE	REV.
ESH&Q Division	Tina Johnson	10/04/13	10/04/16	1.5

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