

RL-R-8540.1
(REV 4)
09/12



U.S. DEPARTMENT OF ENERGY
HANFORD EMERGENCY NOTIFICATION FORM

NO. 1

1. NOTIFICATION PROVIDED BY: <u>National Hanford Emergency Operations Center</u>		Phone: <u>(509) 376-2900</u>
2. AREA AND FACILITY: <u>300 East Area PUREX</u>		3. TYPE EVENT: a. <input checked="" type="checkbox"/> Emergency b. <input type="checkbox"/> Exercise/Drill
4. CLASSIFICATION/STATUS: a. <input checked="" type="checkbox"/> Initial Classification b. <input type="checkbox"/> Reclassification c. <input type="checkbox"/> Correction d. <input type="checkbox"/> PAB Change/Addition e. <input type="checkbox"/> Information f. <input type="checkbox"/> Termination		
5. EMERGENCY CLASSIFICATION LEVEL AND OFFSITE PROTECTIVE ACTION RECOMMENDATIONS:		
AREA	a. <input checked="" type="checkbox"/> ALERT	b. <input type="checkbox"/> SITE AREA EMERGENCY
<input checked="" type="checkbox"/> 300 East	None	c. <input type="checkbox"/> GENERAL EMERGENCY
<u>Purex Facility</u>		
6. TYPE OF INCIDENT:		
a. Security Incident: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
EAL No.: <u>DOE-0223, RLEP 1.0, Appendix 1-2.P</u> Table: <u>1D</u>		
Description of Incident: <u>Loss of confidence that has potential for degradation of facility safety.</u>		
7. RELEASE TO THE OUTSIDE ENVIRONMENT INFORMATION:		
a. <input checked="" type="checkbox"/> No Release (No indicators)		
b. <input type="checkbox"/> Unknown (Indicators of possible release, but not confirmed)		
c. <input type="checkbox"/> Confirmed Release (Visible or instrument indication of hazardous release) Estimated Start Time of Release: _____		
d. <input type="checkbox"/> Airborne <input type="checkbox"/> Spill <input type="checkbox"/> to Columbia River		
e. <input type="checkbox"/> Release Terminated - Time: _____		
8. METEOROLOGICAL DATA:		
Wind Speed: <u>N/A</u> mph		
Wind Direction: From _____		
Precipitation: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Stability Class: _____		
A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/>		
9. PROGNOSIS OF SITUATION: a. <input type="checkbox"/> Unknown b. <input checked="" type="checkbox"/> Stable c. <input type="checkbox"/> Escalating d. <input type="checkbox"/> Improving		
10. ADDITIONAL OFFSITE PROTECTIVE ACTION RECOMMENDATIONS:		
APPROVED: <u>EOC DUTY OFFICER FOR: Mark Tews</u> DATE: <u>05/09/2017</u> TIME: <u>08125</u>		

2017/May/09 4:18:34 PM 2535127203->250-952-2467
MAY-09-2017 TUE 04:22 PM WA STATE EOC
05/09/2017 08:41 FAX 1 509 376 2071

CANNON

FAX NO. 2535127203
+ WASH STATE EOC

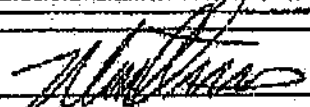
2/5
P. 02/05
001/001

RL-F-554D.1
(REV 4)
09/12



U.S. DEPARTMENT OF ENERGY
HANFORD EMERGENCY NOTIFICATION FORM

No. 2

1. NOTIFICATION PROVIDED BY: <u>Name: Hanford Emergency Operations Center</u>		Phone: <u>(509) 376-2900</u>	
2. AREA AND FACILITY: <u>200 East Area PUREX</u>		3. TYPE EVENT: a. <input checked="" type="checkbox"/> Emergency b. <input type="checkbox"/> Exercise/Drill	
4. CLASSIFICATION/STATUS: a. <input type="checkbox"/> Initial Classification b. <input type="checkbox"/> Reclassification c. <input type="checkbox"/> Correction d. <input type="checkbox"/> PAR Change/Addition e. <input checked="" type="checkbox"/> Information f. <input type="checkbox"/> Termination			
5. EMERGENCY CLASSIFICATION LEVEL AND OFFSITE PROTECTIVE ACTION RECOMMENDATIONS:			
AREA	a. <input checked="" type="checkbox"/> ALERT	b. <input type="checkbox"/> SITE AREA EMERGENCY	c. <input type="checkbox"/> GENERAL EMERGENCY
<input checked="" type="checkbox"/> 200 East	None		
6. TYPE OF INCIDENT:			
a. Security Incident: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No EAL No.: <u>DOE-0223, RLEP 1.0, Appendix 1-2.P</u> Table: <u>ID</u>			
Description of Incident: <u>Alert level emergency was declared at the PUREX facility due to concerns about subsidence in the soil covering railroad tunnel near a former chemical processing facility. The tunnels contain radiologically contaminated materials. Hanford Fire Department is on scene. The Hanford EOC is operational. Radiological surveys are being conducted to determine if there is any release.</u>			
7. RELEASE TO THE OUTSIDE ENVIRONMENT INFORMATION:		8. METEOROLOGICAL DATA:	
a. <input type="checkbox"/> No Release (No Indicators) b. <input checked="" type="checkbox"/> Unknown (Indicators of possible release, but not confirmed) c. <input type="checkbox"/> Confirmed Release (Visible or instrument indication of hazardous release) Estimated Start Time of Release: _____ <input type="checkbox"/> Airborne <input type="checkbox"/> Soil <input type="checkbox"/> to Columbia River d. <input type="checkbox"/> Release Terminated - Time: _____		Wind Speed: <u>2.5</u> mph Wind Direction: From <u>N</u> Precipitation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Stability Class: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input checked="" type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/>	
9. PROGNOSIS OF SITUATION: a. <input type="checkbox"/> Unknown b. <input checked="" type="checkbox"/> Stable c. <input type="checkbox"/> Escalating d. <input type="checkbox"/> Improving			
10. ADDITIONAL OFFSITE PROTECTIVE ACTION RECOMMENDATIONS:			
APPROVED: <u>Martin Ellis</u>  DATE: <u>05/09/2017</u> TIME: <u>0934</u>			

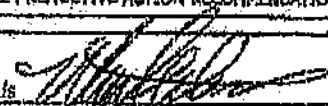
RL-F-5540.1
(REV 4)
09/12



U.S. DEPARTMENT OF ENERGY
HANFORD EMERGENCY NOTIFICATION FORM

No. 3

TON
1027/5/9

NOTIFICATION PROVIDED BY:		Name: <u>Hanford Emergency Operations Center</u>		Phone: <u>(509) 376-2900</u>	
AREA AND FACILITY: <u>200 East Area FURDOK</u>		TYPE EVENT: a. <input checked="" type="checkbox"/> Emergency b. <input type="checkbox"/> Exercise/Drill			
CLASSIFICATION/STATUS: a. <input type="checkbox"/> Initial Classification b. <input checked="" type="checkbox"/> Reclassification c. <input type="checkbox"/> Correction d. <input type="checkbox"/> PAR Change/Addition e. <input type="checkbox"/> Information f. <input type="checkbox"/> Termination					
EMERGENCY CLASSIFICATION LEVEL AND OFFSITE PROTECTIVE ACTION RECOMMENDATIONS:					
AREA		a. <input type="checkbox"/> ALERT		b. <input checked="" type="checkbox"/> SITE AREA EMERGENCY	
c. <input type="checkbox"/> GENERAL EMERGENCY					
200 East		None			
TYPE OF INCIDENT:					
a. Security Incident: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
EAL No.: <u>DDR-0223, RLEF 1.0, Appendix 1-2P</u> Table: <u>1D</u>					
Description of Incident: <u>Confirmation of a breach in the tunnel which meets Site Area Emergency Criteria. No indication of release at this time. No contamination identified in the vicinity. Surveys continue.</u>					
RELEASE TO THE OUTSIDE ENVIRONMENT INFORMATION:					
a. <input type="checkbox"/> No Release (No indicators)					
b. <input checked="" type="checkbox"/> Unknown (Indicators of possible release, but not confirmed)					
c. <input type="checkbox"/> Confirmed Release (Valid or instrument indication of hazardous release)					
Estimated Start Time of Release: _____					
<input type="checkbox"/> Airborne <input type="checkbox"/> Soil <input type="checkbox"/> to Columbia River					
d. <input type="checkbox"/> Release Terminated - Time: _____					
METEOROLOGICAL DATA:					
Wind Speed: <u>3.9</u> mph					
Wind Direction: From <u>N</u>					
Precipitation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Stability Class: <input type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G					
PROGNOSIS OF SITUATION: a. <input checked="" type="checkbox"/> Unknown b. <input type="checkbox"/> Stable c. <input type="checkbox"/> Escalating d. <input type="checkbox"/> Improving					
ADDITIONAL OFFSITE PROTECTIVE ACTION RECOMMENDATIONS:					
APPROVED: <u>Martin Ellis</u>  DATE: <u>03/09/2017</u> TIME: <u>1021</u>					

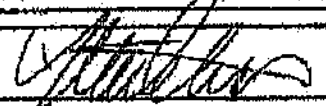
C5

RL-P-5540.1
(REV 4)
05/12



U.S. DEPARTMENT OF ENERGY
HANFORD EMERGENCY NOTIFICATION FORM

No. _____

1 NOTIFICATION PROVIDED BY: Name: <u>Hanford Emergency Operations Center</u> Phone: <u>(509) 376-2900</u>									
2 AREA AND FACILITY: <u>200 East Area PUREX</u> TYPE EVENT: a. <input checked="" type="checkbox"/> Emergency b. <input type="checkbox"/> Exercise/Drill									
3 CLASSIFICATION/STATUS: a. <input type="checkbox"/> Initial Classification b. <input type="checkbox"/> Reclassification c. <input type="checkbox"/> Correction d. <input type="checkbox"/> PAR Change/Addition e. <input checked="" type="checkbox"/> Information f. <input type="checkbox"/> Termination									
4 EMERGENCY CLASSIFICATION LEVEL AND OFFSITE PROTECTIVE ACTION RECOMMENDATIONS: <table border="1"><tr><td>AREA</td><td>a. <input type="checkbox"/> ALERT</td><td>b. <input checked="" type="checkbox"/> SITE AREA EMERGENCY</td><td>c. <input type="checkbox"/> GENERAL EMERGENCY</td></tr><tr><td><u>200 East</u></td><td></td><td><u>None</u></td><td></td></tr></table>		AREA	a. <input type="checkbox"/> ALERT	b. <input checked="" type="checkbox"/> SITE AREA EMERGENCY	c. <input type="checkbox"/> GENERAL EMERGENCY	<u>200 East</u>		<u>None</u>	
AREA	a. <input type="checkbox"/> ALERT	b. <input checked="" type="checkbox"/> SITE AREA EMERGENCY	c. <input type="checkbox"/> GENERAL EMERGENCY						
<u>200 East</u>		<u>None</u>							
5 TYPE OF INCIDENT: a. Security Incident: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No EAL No: <u>000-0223, RLEP 1.0, Appendix 1-2.P</u> Table: <u>ID</u> Description of Incident: <u>A plan is being developed to cover the breach in the tunnel. Radiological surveys including air sampling continue to indicate no release of radioactive material.</u>									
6 RELEASE TO THE OUTSIDE ENVIRONMENT INFORMATION: a. <input type="checkbox"/> No Release (No Indicators) b. <input checked="" type="checkbox"/> Unknown (Indicators of possible release, but not confirmed) c. <input type="checkbox"/> Confirmed Release (Visible or instrument indication of hazardous release) Estimated Start Time of Release: _____ <input type="checkbox"/> Airborne <input type="checkbox"/> Spill <input type="checkbox"/> to Columbia River d. <input type="checkbox"/> Release Terminated - Time: _____	7 METEOROLOGICAL DATA: Wind Speed: <u>3.1</u> mph Wind Direction: From <u>ENE</u> Precipitation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Stability Class: _____ A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/>								
8 PROGNOSIS OF SITUATION: a. <input type="checkbox"/> Unknown b. <input checked="" type="checkbox"/> Stable c. <input type="checkbox"/> Escalating d. <input type="checkbox"/> Improving									
9 ADDITIONAL OFFSITE PROTECTIVE ACTION RECOMMENDATIONS: 									
APPROVED: <u>Martin Ellis</u>  DATE: <u>05/09/2017</u> TIME: <u>11:31</u>									

MAY-09-2017 TUE 04:22 PM WA STATE EOC

FAX NO. 2535127203

P. 05/05

05/09/2017 13:39 FAX 1 509 376 2071

CANNON

+ WASH STATE EOC @ 001/001

Rec'd
5/9/17
1339 hrs C6
WA EMB BB

RL-F-5540.1
(REV 2)
09/12



U.S. DEPARTMENT OF ENERGY
HANFORD EMERGENCY NOTIFICATION FORM

No. 5

1. NOTIFICATION PROVIDED BY: Name: <u>Hanford Emergency Operations Center</u> Phone: <u>(509) 376-2900</u>	
2. AREA AND FACILITY: <u>200 East Area PUREX</u>	3. TYPE EVENT: a. <input checked="" type="checkbox"/> Emergency b. <input type="checkbox"/> Exercise/Drill
4. CLASSIFICATION/STATUS: a. <input type="checkbox"/> Initial Classification b. <input type="checkbox"/> Reclassification c. <input type="checkbox"/> Correction d. <input type="checkbox"/> PAR Change/Addition e. <input checked="" type="checkbox"/> Information f. <input type="checkbox"/> Termination	
5. EMERGENCY CLASSIFICATION LEVEL AND OFFSITE PROTECTIVE ACTION RECOMMENDATIONS:	
AREA: <u>200 East</u>	a. <input type="checkbox"/> ALERT b. <input checked="" type="checkbox"/> SITE AREA EMERGENCY c. <input type="checkbox"/> GENERAL EMERGENCY
None	
6. TYPE OF INCIDENT: a. Security Incident: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No EAL No. <u>DOE-0223, RLEP 1.0, Appendix 1-3.P</u> Table: <u>ID</u> Description of Incident: <u>Hanford employees north of the Wye barricade have been released from work and swing shift has been canceled for non-essential employees. Mitigation planning is continuing.</u>	
7. RELEASE TO THE OUTSIDE ENVIRONMENT INFORMATION: a. <input type="checkbox"/> No Release (No Indicators) b. <input checked="" type="checkbox"/> Unknown (Indicators of possible release, but not confirmed) c. <input type="checkbox"/> Confirmed Release (visible or instrument indication of hazardous release) Estimated Start Time of Release: _____ <input type="checkbox"/> Airborne <input type="checkbox"/> Spill <input type="checkbox"/> to Columbia River d. <input type="checkbox"/> Release Terminated - Time: _____	8. METEOROLOGICAL DATA: Wind Speed: <u>4.3</u> mph Wind Direction: From <u>SSW</u> Precipitation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Stability Class: <u>A</u> <input checked="" type="checkbox"/> <u>B</u> <input type="checkbox"/> <u>C</u> <input type="checkbox"/> <u>D</u> <input type="checkbox"/> <u>E</u> <input type="checkbox"/> <u>F</u> <input type="checkbox"/> <u>G</u>
9. PROGNOSIS OF SITUATION: a. <input type="checkbox"/> Unknown b. <input checked="" type="checkbox"/> Stable c. <input type="checkbox"/> Escalating d. <input type="checkbox"/> Improving	
10. ADDITIONAL OFFSITE PROTECTIVE ACTION RECOMMENDATIONS:	
APPROVED: <u>Brian Van Bergen</u> DATE: <u>05/09/2017</u> TIME: <u>13:39</u> <u>5/9/17</u>	

MAY-10-2017 WED 10:30 AM WA STATE EOC

FAX NO. 2535127203

P. 01/01

05/10/2017 09:55 FAX 1 509 378 2071

CANNON

WASH STATE EOC

5/10/17 1035
WACMO BB

C8

RL-F-5540.1
(REV 4)
09/12

U.S. DEPARTMENT OF ENERGY

HANFORD EMERGENCY NOTIFICATION FORM

No. 7

1. NOTIFICATION PROVIDED BY: Name: Hanford Emergency Operations Center		Phone: (509) 376-2900								
2. AREA AND FACILITY: 200 East Area PUREX		3. TYPE EVENT: a. <input checked="" type="checkbox"/> Emergency b. <input type="checkbox"/> Exercise/Drill								
4. CLASSIFICATION/STATUS: a. <input type="checkbox"/> Initial Classification b. <input type="checkbox"/> Reclassification c. <input type="checkbox"/> Correction d. <input type="checkbox"/> PAR Change/Addition e. <input checked="" type="checkbox"/> Information f. <input type="checkbox"/> Termination										
5. EMERGENCY CLASSIFICATION LEVEL AND OFFSITE PROTECTIVE ACTION RECOMMENDATIONS: <table border="1"> <tr> <td>AREA</td> <td>a. <input type="checkbox"/> ALERT</td> <td>b. <input checked="" type="checkbox"/> SITE AREA EMERGENCY</td> <td>c. <input type="checkbox"/> GENERAL EMERGENCY</td> </tr> <tr> <td>200 East</td> <td></td> <td>None</td> <td></td> </tr> </table>			AREA	a. <input type="checkbox"/> ALERT	b. <input checked="" type="checkbox"/> SITE AREA EMERGENCY	c. <input type="checkbox"/> GENERAL EMERGENCY	200 East		None	
AREA	a. <input type="checkbox"/> ALERT	b. <input checked="" type="checkbox"/> SITE AREA EMERGENCY	c. <input type="checkbox"/> GENERAL EMERGENCY							
200 East		None								
6. TYPE OF INCIDENT: a. Security Incident: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No CAL No.: DOE-0223, RLEP 1.0, Appendix 1-2.F Table: 1D Description of Incident: Crews have begun filling the collapsed section of the tunnel. The hole is being filled with soil using heavy equipment. Approximately 50 truckloads of soil is expected to provide an additional level of protection against any potential contamination release. Radiological monitoring continues to be performed with no indication of release reported thus far. It is unknown how long it will take to complete the work, but it is expected to continue for several shifts. The Hanford site north of the Wye barricade remains restricted to only essential personnel. Until the tunnel breach has been mitigated, the Site Area Emergency remains in effect and the Hanford EOC is operational.										
7. RELEASE TO THE OUTSIDE ENVIRONMENT INFORMATION: a. <input checked="" type="checkbox"/> No Release (No Indicators) b. <input type="checkbox"/> Unknown (Indicators of possible release, but not confirmed) c. <input type="checkbox"/> Confirmed Release (visible or instrument indication of hazardous release) Estimated Start Time of Release: _____ <input type="checkbox"/> Airborne <input type="checkbox"/> Spill <input type="checkbox"/> to Columbia River d. <input type="checkbox"/> Release Terminated - Time: _____		8. METEOROLOGICAL DATA: Wind Speed: 3.1 mph Wind Direction: From NNE Precipitation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Stability Class: A <input type="checkbox"/> B <input type="checkbox"/> C <input checked="" type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G								
9. PROGNOSIS OF SITUATION: a. <input type="checkbox"/> Unknown b. <input checked="" type="checkbox"/> Stable c. <input type="checkbox"/> Escalating d. <input type="checkbox"/> Improving										
10. ADDITIONAL OFFSITE PROTECTIVE ACTION RECOMMENDATIONS:										
APPROVED: Martin Ellis		DATE: 05/10/2017 TIME: 0935								

WA DOH Incident Management Team SITUATION REPORT # 1

Incident Name: 2017 Hanford PUREX 200 East Event

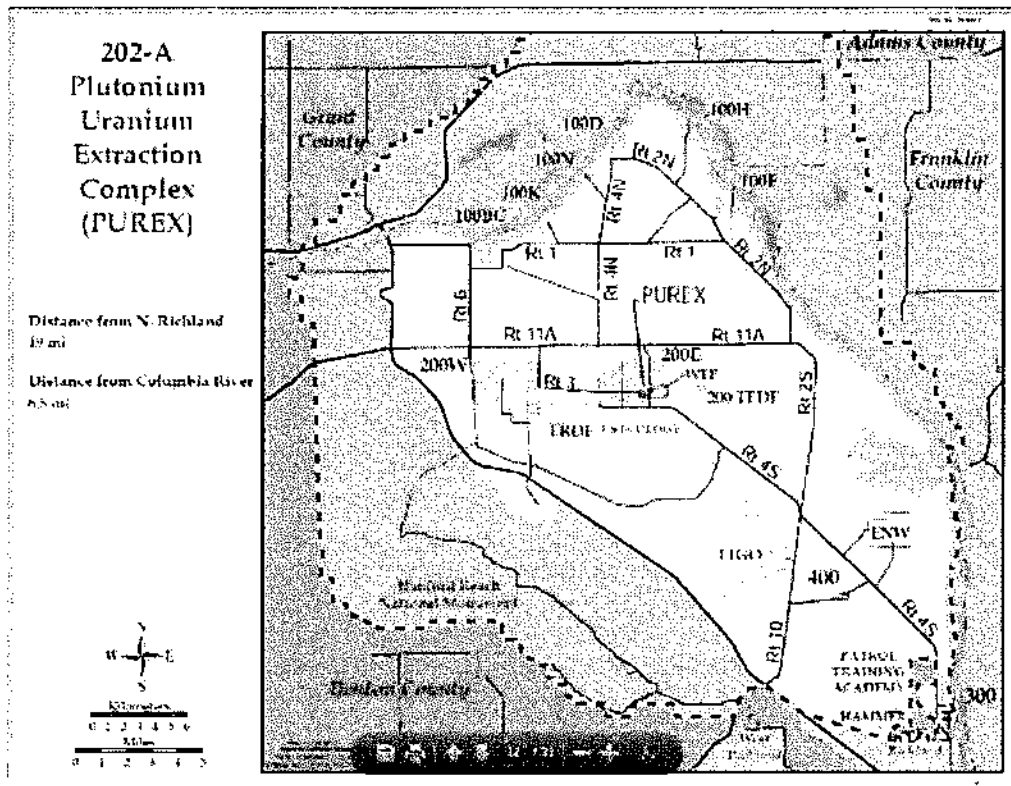
Incident # 17-1581

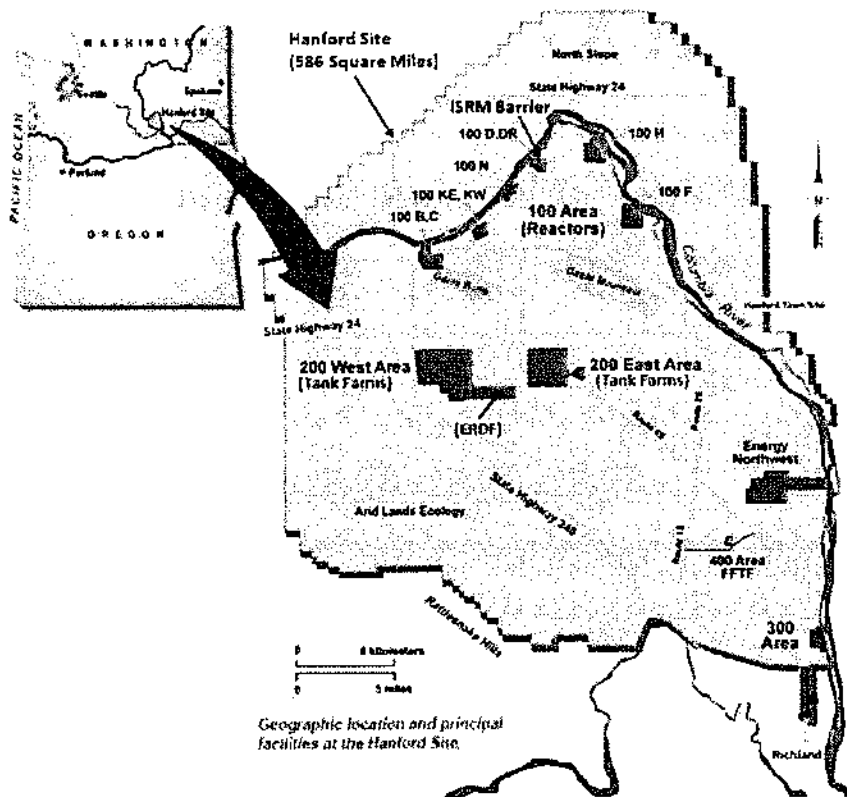
Date: 05/09/2017	Time: 1500
Phone : 360-236-4196	E-mail: doh-sitl@doh.wa.gov

I. IMPACTED AREA:

Officials are responding to reports of a cave-in of a 20 foot section of a tunnel that is hundreds of feet long that is used to store contaminated materials. The tunnel is located next to the Plutonium Uranium Extraction Facility, also known as PUREX, which is located in the center of the Hanford Site in an area known as the 200 East Area. There is no indication of a release of contamination at this point. Crews are continuing to survey the area for contamination. All personnel in the vicinity of the PUREX facility have been accounted for and there are no reports of injuries.

1:20 PM --





Adapted from www.hanford.gov

II. CURRENT SITUATION

Field Teams were activated this morning in response to an incident at the Hanford Nuclear Reservation. A tunnel collapsed over an area where radiological materials are stored at the site, leading the Department of Energy (DOE) to declare a Site Area Emergency and activate response protocols. There is no indication at this time that radiological contamination has left the Hanford site, but monitoring and data collection by DOH EPH staff, in coordination with DOE staff, are critical to assess potential impacts. There are no reports of injuries, deaths, or human contamination at this time. No evacuations or shelter in place orders have been initiated by local jurisdictions.

We have deployed a team of responders to the State Emergency Operations Center (EOC) at Camp Murry, and the State EOC is fully activated for this incident. The IMT is fully operational in TC1 Rm 163-164, and EPH Radiological teams are deploying to gather air and ground deposition readings.

III. CURRENT RESPONSE ACTIVITIES – WASHINGTON DEPARTMENT OF HEALTH

General Update:

- Officials continue to monitor air and are working on how they will fix the hole in the tunnel roof. They are looking at options that would provide a barrier between the contaminated equipment in the tunnel and the outside air that would not cause the hole in the tunnel's roof to widen. Recovery actions are being taking at this time. There is no intent to downgrade at this time.
- It is unknown when the activation level will be downgraded.

Environmental Monitoring update:

- Assessing the environmental impacts to agriculture (products, food, and water) and providing recommendations to operations.

Public Health Laboratory Update:

- PHL has not done any sampling at this time.

Communications Update: -

- The DOH C4PA Strategic Communications is finalizing the communications dashboard, which includes, key audience, themes, messages, and holding statement.

IV. ADDITIONAL RESPONSE RESOURCES

- www.hanford.wa.gov

C7

RL-H-5010.2
(REV 4)
09/12U.S. DEPARTMENT OF ENERGY
HANFORD EMERGENCY NOTIFICATION FORMNo. 6

1. NOTIFICATION PROVIDED BY: <u>Normal: Hanford Emergency Operations Center</u>		Phone: <u>(509) 376-2900</u>	
2. AREA AND FACILITY: <u>200 East Area PUREX</u>		3. TYPE EVENT: a. <input checked="" type="checkbox"/> Emergency b. <input type="checkbox"/> Exercise/Drill	
4. CLASSIFICATION/STATUS: a. <input type="checkbox"/> Initial Classification b. <input type="checkbox"/> Reclassification c. <input type="checkbox"/> Correction d. <input type="checkbox"/> PAR Change/Addition e. <input checked="" type="checkbox"/> Information f. <input type="checkbox"/> Termination			
5. EMERGENCY CLASSIFICATION LEVEL AND OFFSITE PROTECTIVE ACTION RECOMMENDATIONS:			
AREA	a. <input type="checkbox"/> ALERT	b. <input checked="" type="checkbox"/> SITE AREA EMERGENCY	c. <input type="checkbox"/> GENERAL EMERGENCY
<input checked="" type="checkbox"/> 200 East		None	
6. TYPE OF INCIDENT:			
a. Security Incident: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
EAL No.: <u>DOE-0223, RLEP 3.0, Appendix 1-3.P</u>		Table: <u>1D</u>	
Description of Incident: <u>Activities necessary to mitigate the tunnel breach have been in progress throughout the night. The Hanford site north of the Wyo barricade remains restricted to only essential personnel. Until the tunnel breach has been mitigated, the Site Area Emergency remains in effect and the Hanford EOC is operational.</u>			
7. RELEASE TO THE OUTSIDE ENVIRONMENT INFORMATION:		8. METEOROLOGICAL DATA:	
a. <input checked="" type="checkbox"/> No Release (No Indicators)		Wind Speed: <u>15</u> mph	
b. <input type="checkbox"/> Unknown (Indicators of possible release, but not confirmed)		Wind Direction: From <u>NE</u>	
c. <input type="checkbox"/> Confirmed Release (visible or instrument indication of hazardous release) Estimated Start Time of Release: _____ <input type="checkbox"/> Airborne <input type="checkbox"/> Spill <input type="checkbox"/> to Columbia River		Precipitation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
d. <input type="checkbox"/> Release Terminated - Time: _____		Stability Class: _____ <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input checked="" type="checkbox"/> F <input type="checkbox"/> G	
9. PROGNOSIS OF SITUATION: a. <input type="checkbox"/> Unknown b. <input checked="" type="checkbox"/> Stable c. <input type="checkbox"/> Escalating d. <input type="checkbox"/> Improving			
10. ADDITIONAL OFFSITE PROTECTIVE ACTION RECOMMENDATIONS:			
APPROVED: <u>Martin Ellis</u>		DATE: <u>05/10/2017</u> TIME: <u>06:00</u>	

P. 01/01
1/1

FAX NO. 2535127203

2535127203-250-952-2467

MAY-10-2017 WED 07:28 AM WA STATE EOC

2017/May/10 7:23:33 AM

INCIDENT ACTION PLAN #1



2017 Hanford PUREX Incident

Operational Period
0800 PDT 05/10/2017 – 0800 PDT 05/12/2017

WA State Department of Health
101 Israel Road SE
Tumwater, WA 98501

DOH Agency Coordination Center
Incident Commander – Mark Henry

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: 2017 Hanford PUREX 17-1581	2. Operational Period:	Date From: 5/10/2017 Time From: 0800	Date To: 5/12/2012 Time To: 0800
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3. Objective(s):

1. Oversee response to assure the health and safety of all DOH response personnel and the public.
2. Maintain communication links with all federal, state, tribal, cross-border and local response partners.
3. Maintain environmental monitoring activities to make sure there is no offsite contamination.
4. Maintain DOH IMT presence at the SEOC, US DOE EOC, US DOE JIC to coordinate situational awareness and determine if any protective actions are needed.
5. Assess the environmental impacts to agricultural products, food, and water in the surrounding area.
6. Prepare for operational and policy-level contingencies should incident complexity escalate.
7. During the operation period develop a messaging strategy to include:
 - a. Health messaging to the general public
 - b. Policy briefings for elected officials, tribal governments, agency leaders.

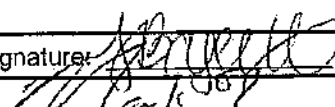
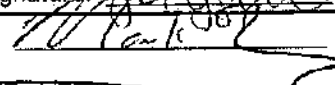
4. Operational Period Command Emphasis:

Components of this response will include, at a minimum, monitoring and data collection; public messaging; policy communications; contingency planning; and ongoing support to DOH staff. Given that radiological incidents generate an inordinate level of public and policy-level attention, a coordinated and proactive ESF 8 response is necessary. By initiating a coordinated response with state emergency management, DOE, local health jurisdictions, tribal governments, and policy leaders, we can quickly mobilize resources and manage information throughout the incident.

General Situational Awareness

The Hanford Site contains large amounts of extremely hazardous materials. Any offsite release of radiological material can cause environmental impacts, and can place the public's health at risk. Any radion detection around the hole is coming from inside the tunnel. IT appears there has not been a release to the outer environment.

Be sure to update WEBEOC boards for your respective role. As significant events occur during the operational period be sure to complete 214 form.

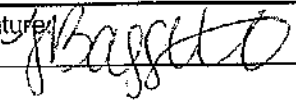
1. Incident Name: 2017 Handford PUREX 17-1581	2. Operational Period:	Date From: 5/10/2017 Time From: 0800	Date To: 5/12/2012 Time To: 0800
5. Site Safety Plan Required? Yes <input type="checkbox"/> No <input type="checkbox"/> Approved Site Safety Plan(s) Located at: _____			
6. Incident Action Plan (the items checked below are included in this Incident Action Plan):			
<input checked="" type="checkbox"/> ICS 203 <input checked="" type="checkbox"/> ICS 204 208 <input checked="" type="checkbox"/> ICS 205 Map/Chart <input checked="" type="checkbox"/> ICS 205A Forecast/Tides/Currents <input type="checkbox"/> ICS 206 <input type="checkbox"/>	<input checked="" type="checkbox"/> ICS 207 <input checked="" type="checkbox"/> ICS <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Weather <input type="checkbox"/>	<u>Other Attachments:</u> <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	
7. Prepared by: Name: Annie Merritt Position/Title: PSC		Signature: 	
8. Approved by Incident Commander:		Name: Mark Henry Signature: 	
ICS 202	IAP Page	Date/Time: 5/9/2017 3:00 PM	

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: 2017 Hanford PUREX		2. Operational Period: <div style="display: flex; justify-content: space-between;"> <div> Date From: 5/10/2017 Time From: 0800 </div> <div> Date To: 5/12/2017 Time To: 0800 </div> </div>	
3. Incident Commander(s) and Command Staff:		7. Operations Section:	
IC/UCs	Mark Henry	Chief	Shawn Roberts
		Deputy	
Deputy		Staging Area	
Safety Officer	Josh Edwards	Branch	
Public Info. Officer	Dave Johnson	Branch Director	
Liaison Officer	Kristen Baird	Deputy	
4. Agency/Organization Representatives:		Division/Group	Env Monitoring
Agency/Organization	Name	Division/Group	UDAC Group
ESF8	Dick Cowley	Division/Group	Rad Tech Spec
ESF8	Elysa Jones	Division/Group	
ESF8		Division/Group	
		Branch	
		Branch Director	
		Deputy	
5. Planning Section:		Division/Group	
Chief	Kevin Wickersham-Wed/ Annie Merritt/Jessica Baggett-Thurs	Division/Group	
Deputy		Division/Group	
Resources Unit	Sue Smith	Division/Group	
Situation Unit	Tristan Hay-Wed	Division/Group	
Documentation Unit	Junesca Brown	Branch	
Demobilization Unit		Branch Director	
Technical Specialists		Deputy	
		Division/Group	
		Division/Group	
		Division/Group	
6. Logistics Section:		Division/Group	
Chief	Rachel Paris	Division/Group	
Deputy		Air Operations Branch	
Support Branch		Air Ops Branch Dir.	
Director			
Supply Unit			
Facilities Unit		8. Finance/Administration Section:	
Ground Support Unit		Chief	Ryan Black
Service Branch		Deputy	
Director		Time Unit	
Communications Unit		Procurement Unit	
Medical Unit		Comp/Claims Unit	
Food Unit		Cost Unit	
9. Prepared by: Name: Sue Smith		Position/Title: RESL	
Signature: <i>Sue Smith</i>			
ICS 203	IAP Page	Date/Time: 5/9/2017 12:00 PM	

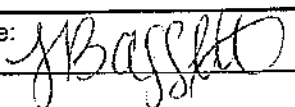
ASSIGNMENT LIST (ICS 204)

[illegible]

9. Prepared by: Name: Jessica Baggett		Position/Title: PSC	Signature: 
ICS 204	IAP Page	Date/Time: 5/9/2017 1:00 PM	

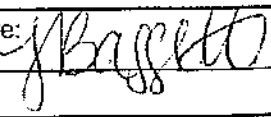
ASSIGNMENT LIST (ICS 204)

[illegible]

9. Prepared by: Name: Jessica Baggett		Position/Title: PSC	Signature: 
ICS 204	IAP Page	Date/Time: 5/9/2017 1:00 PM	

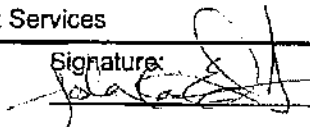
ASSIGNMENT LIST (ICS 204)

[illegible]

9. Prepared by: Name: Jessica Baggett		Position/Title: PSC	Signature: 
ICS 204	IAP Page	Date/Time: 5/9/2017 1:00 PM	

COMMUNICATIONS LIST (ICS 205A)[illegible]

SAFETY MESSAGE/PLAN (ICS 208)

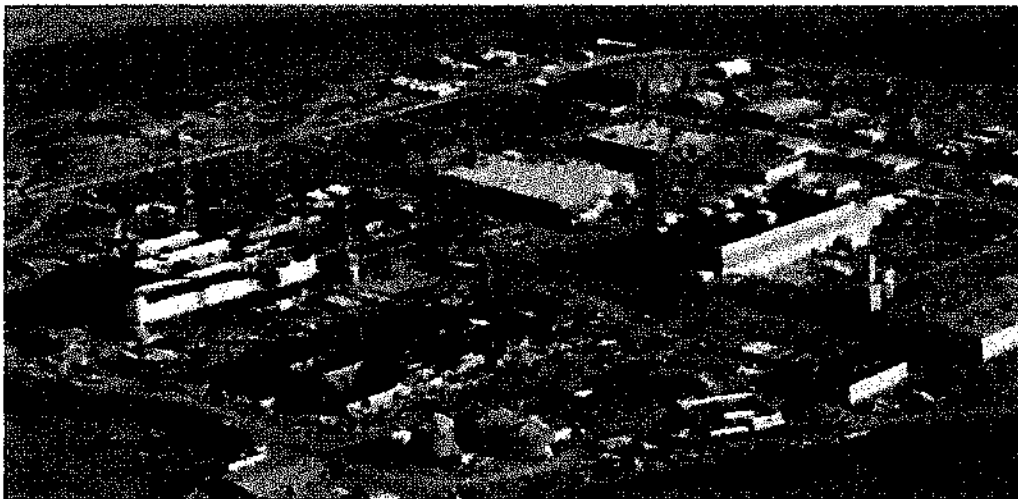
1. Incident Name: 2017 Hanford PUREX	2. Operational Period:	Date From: 5/10/2017 Date To: 5/12/2017 Time From: 08:00 Time To: 08:00
3. Safety Message/Expanded Safety Message, Safety Plan, Site Safety Plan: <p>SAFETY is Paramount; all IMT members and responders from all areas of the agency should work safely to bring this radiation event under control.</p> <p>General Safety rules should be observed by all staff members on the IMT. Pay attention to your surroundings, this is not your normal work area so be observant. If you are working in the Agency Coordination Center (ACC) watch for the numerous tripping hazards in the ACC. Within the ACC if an evacuation becomes necessary, Finance/Admin will bring the current sign-in sheet to the evacuation point. All IMT staff will exit the room and meet in the first drive entrance to the parking garage (to your left as you exit east side of the building). If there is an earthquake, drop, cover, and hold until instructed to evacuate.</p> <p>As this event is a Columbia Generating Station, radiation event remember that this is more like a marathon than a sprint. Depending on the release, we will likely be dealing with this for sometime rather than days so pace yourself. Take care of yourself, be aware of your surroundings as well as your co-workers. Use proper lifting techniques to prevent back injuries. Working in an emergency response can be stressful. Staff who are working on this event should:</p> <ul style="list-style-type: none"> ➤ Get a good night's sleep. Don't try to catch up on your regular job by working late at night. ➤ Take breaks periodically ➤ Stay hydrated (drink some water, not just coffee or...) ➤ Eat regularly (not just junk either) ➤ Stand up and stretch periodically (you may not be in a good ergonomic set-up this will help) ➤ If you don't take care of yourself you can't help others! <p>It is not uncommon to feel stress. Here are some stress symptoms:</p> <ul style="list-style-type: none"> ➤ Mood Swings ➤ Loss of temper, irritability ➤ Tiredness or fatigue ➤ Change in appetite ➤ Difficulty sleeping ➤ Negativity ➤ Tension or anxiety ➤ Self-criticism ➤ Headaches or back pain <p>Deploying staff will be provided a specific Safety briefing prior to departure. Anyone who may have direct exposure to radiation must carry a dosimeter and understand the turnaround value of 0.5 rem. Individuals deploying to the field must carry KI with them. Any DOH State field team personnel entering the plume will administer KI and will wear appropriate personal protective equipment.</p> <p>Staff working with samples will comply with the specific safety plans dealing with the packaging and handling of the samples. All appropriate handling rules and personal protective equipment (PPE) will be used.</p> <p>Any accidents or injuries will be immediately reported to the SOFR at 360-236-4193 and the Incident Commander at 360-480-0308.</p>		
4. Site Safety Plan Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Approved Site Safety Plan(s) Located At: DOH, Business Operations Support Services		
5. Prepared by: Name: Josh Edwards Position/Title: SOFR Signature: 		
ICS 208	IAP Page	Date/Time: 5/9/2017 4:00 PM



Incident Management Team (IMT)

2017 Hanford PUREX Incident

Mission #: 17-1581



Incident Action Plan (IAP) # 1R (REVISED)

Operational Period

From: 0800 5/10/17 To: 0800 5/12/17



ICS Form 202

Incident Objectives

1. Incident Name: 2017 Hanford PUREX Incident		2. Operational Period:		Date From: 5/10/17 Time From: 0800	Date To: 5/12/17 Time To: 0800											
3. Objective(s) in priority order: 1. Oversee response to assure the health and safety of all DOH response personnel and the public. 2. Maintain communication links with all federal, state, tribal, cross-border, and local response partners. 3. Maintain environmental monitoring activities to make sure there is no offsite contamination 4. Maintain DOH IMT presence at the SEOC, US DOE EOC, and US DOE JIC to coordinate situational awareness and determine if any protective actions are needed. 5. Assess the environmental impacts to agricultural products, food, and water in the surrounding area. 6. Prepare for operational and policy-level contingencies, should the incident complexity escalate. 7. During the operational period, develop a messaging strategy to include health messaging to the general public and policy briefings for elected officials, tribal governments, and agency leaders.																
4. Operational Period Command Emphasis: Components of this response will include, at a minimum, monitoring and data collection, public messaging, policy communications, contingency planning, and ongoing support to DOH staff. Given that radiological incidents generate an inordinate level of public and policy-level attention, a coordinated and proactive ESF 8 response is necessary. By initiating a coordinated response with state emergency management, US DOE, local health jurisdictions, tribal governments, and policy leaders, we can quickly mobilize resources and manage information throughout the incident. The Hanford Nuclear Reservation contains large amounts of extremely hazardous materials. Any offsite release of radiological materials can cause environmental impacts and can endanger public health. No contamination has been detected outside of the tunnel at this time. The evidence does not suggest that radiological material has been released outside of the tunnel. All staff must be aware of the need to retain all written documentation related to this incident. Please send all documents to the Documentation Unit Leader (DOCL) at doh-doel@doh.wa.gov.																
5. Site Safety Plan Required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Approved Site Safety Plan(s) Located At: DOH Business Operations Support Services																
6. Incident Action Plan (the items checked below are included in this Incident Action Plan) <table><tr><td><input checked="" type="checkbox"/> ICS 202</td><td><input type="checkbox"/> ICS 206</td><td rowspan="5">Other Attachments <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____</td></tr><tr><td><input checked="" type="checkbox"/> ICS 203</td><td><input type="checkbox"/> ICS 207</td></tr><tr><td><input checked="" type="checkbox"/> ICS 204</td><td><input checked="" type="checkbox"/> ICS 208</td></tr><tr><td><input type="checkbox"/> ICS 205</td><td><input type="checkbox"/> Map/Chart</td></tr><tr><td><input checked="" type="checkbox"/> ICS 205a</td><td><input checked="" type="checkbox"/> Weather Forecast</td></tr></table>						<input checked="" type="checkbox"/> ICS 202	<input type="checkbox"/> ICS 206	Other Attachments <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	<input checked="" type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 207	<input checked="" type="checkbox"/> ICS 204	<input checked="" type="checkbox"/> ICS 208	<input type="checkbox"/> ICS 205	<input type="checkbox"/> Map/Chart	<input checked="" type="checkbox"/> ICS 205a	<input checked="" type="checkbox"/> Weather Forecast
<input checked="" type="checkbox"/> ICS 202	<input type="checkbox"/> ICS 206	Other Attachments <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____														
<input checked="" type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 207															
<input checked="" type="checkbox"/> ICS 204	<input checked="" type="checkbox"/> ICS 208															
<input type="checkbox"/> ICS 205	<input type="checkbox"/> Map/Chart															
<input checked="" type="checkbox"/> ICS 205a	<input checked="" type="checkbox"/> Weather Forecast															
7. Prepared By: Kevin Wickersham, PSC		Signature:														
8. Approved by Incident Commander:		Mark Henry, IC		Signature:												
ICS Form 202		Date: 5/10/2017		Time: 16:00hrs												



ICS Form 203

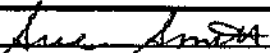
Organizational Assignment List

1. Incident Name: 2017 Hanford PUREX Incident		2. Operational Period:		Date From: 5/10/17 Time From: 0800	Date To: 5/12/17 Time To: 0800
3. Incident Commander and Command Staff:			7. Operations Section:		
IC: Mark Henry			Chief: Trevor Covington		
Deputy IC:			Deputy:		
Safety Officer: Josh Edwards			Deputy:		
Public Info. Officer: Dave Johnson			Staging Area:		
APIO:			Branch:		
APIO:			Branch Dir:		
Liaison Officer: Ron Weaver			Div/Group: Env. Monitoring Mike Priddy		
ALOF:			Div/Group: UDAC Group John Martell		
ALOF:			Div/Group: Rad Tech Spec Lynn Albin		
4. Agency Representatives:			Branch:		
Agency/Org	Name		Branch Dir:		
ESF 8	Elysa Jones		Div/Group:		
ESF 8	Sarah Ashworth		Div/Group:		
SEOC Policy Rep.	Chris Williams		Div/Group:		
5. Planning Section:			Branch:		
Chief: Kevin Wickersham			Branch Dir:		
Deputy:			Div/Group:		
Resource Unit: Sue Smith			Div/Group:		
Situation Unit: Dick Cowley			Div/Group:		
Documentation: Junesca Brown			Branch:		
Demobilization:			Branch Dir:		
Tech. Specialists: Natasha Close (Epidemiologist)			Div/Group:		
WebEOC Analyst: Teresa Davis			Div/Group:		
			Div/Group:		
5. Logistics Section:			Air Operations Branch:		
Chief: Rachel Paris			Branch Dir:		
Deputy:			Div/Group:		
Support Branch:			Div/Group:		
Supply Unit:			8. Finance/Administration Section:		
Facilities Unit:			Chief: Ryan Black		
Ground Suppt Unit:			Deputy:		
Service Branch:			Time Unit:		
Comm. Unit:			Procurement Unit:		
Medical Unit:			Comp/Claims Unit:		
Food Unit:			Cost Unit:		
9. Prepared by: Sue Smith, RESL			Signature: <i>Sue Smith</i>		
ICS Form 203			Date: 5/10/2017 Time: 16:00hrs		



ICS Form 204

Assignment List

1. Incident Name: 2017 Hanford PUREX Incident		2. Operational Period:		Date From: 5/10/17 Time From: 0800	Date To: 5/12/17 Time To: 0800
3. Assignment Identifier:		4. Operations Personnel:			Contact Info:
Branch:		Section Chief: Trevor Covington			360-236-4195
Group: Env. Monitoring		Branch Director:			
Unit:		Group Supervisor: Mike Priddy			s.16
Staging Area:					
5. Resources Assigned:					
Resource Identifier	Leader	# of Persons	Contact Numbers	Notes and Reporting Instructions	
Field Team 1	Tom Rogers	3	s.16		
Field Team 2	Randy Utley	3			
6. Work Assignments:					
Maintain environmental monitoring capability and provide monitoring only to areas identified by the IMT. Report all results to the OSC and Radiation Technical Specialist.					
7. Special Instructions:					
Safety is paramount. Make sure to follow all safety procedures and requirements. Do not go in USDOE restricted areas or conducting monitoring in unsafe areas. Maintain open and continuous communication with the OSC and the other Group Supervisors. Make sure to share information with the other Group Supervisors to support their work. Make sure to send all important information to the OSC so that it can be captured and included in the situational updates with the SITL by 1500 each day. Communicate any resource needs to the OSC.					
8. Prepared by: Sue Smith, RESL		Signature: 			
ICS Form 204		Date: 5/10/2017		Time: 16:00hrs	



ICS Form 204

Assignment List

1. Incident Name: 2017 Hanford PUREX Incident		2. Operational Period:		Date From: 5/10/17 Time From: 0800	Date To: 5/12/17 Time To: 0800
3. Assignment Identifier:		4. Operations Personnel:			Contact Info:
Branch:		Section Chief: Trevor Covington			360-236-4195
Group:	UDAC Group	Branch Director:			
Unit:		Group Supervisor: John Martell			s.16
Staging Area:					
5. Resources Assigned:					
Resource Identifier	Leader	# of Persons	Contact Numbers	Notes and Reporting Instructions	
Senior State Health Liaison	John Martell	1	s.16	Until 2000hrs 5/10	
State Health Liaison	Michelle Anderson-Moore	1		2000hrs 5/10 to 0200hrs 5/11	
State Health Liaison	Danny Beers	1		0200hrs 5/11 to 0800hrs 5/11	
6. Work Assignments:					
Maintain DOH presence at the Unified Dose Assessment Center (UDAC) as a technical specialist and provide operational coordination back to the DOH IMT. Provide updates to the OSC on UDAC related information.					
7. Special Instructions:					
Safety is paramount. Make sure to follow all safety procedures and requirements. Do not go in USDOE restricted areas or conducting monitoring in unsafe areas. Maintain open and continuous communication with the OSC and the other Group Supervisors. Make sure to share information with the other Group Supervisors to support their work. Make sure to send all important information to the OSC so that it can be captured and included in the situational updates with the SITL by 1500 each day. Communicate any resource needs to the OSC.					
8. Prepared by: Sue Smith, RESL		Signature: <i>Sue Smith</i>			
ICS Form 204		Date: 5/10/2017		Time: 16:00hrs	



ICS Form 204

Assignment List

1. Incident Name: 2017 Hanford PUREX Incident		2. Operational Period:		Date From: 5/10/17 Time From: 0800	Date To: 5/12/17 Time To: 0800
3. Assignment Identifier:		4. Operations Personnel:			Contact Info:
Branch:		Section Chief: Trevor Covington			360-236-4195
Group: Rad. Tech. Spec.		Branch Director:			
Unit:		Group Supervisor:			
Staging Area:					
5. Resources Assigned:					
Resource Identifier	Leader	# of Persons	Contact Numbers	Notes and Reporting Instructions	
Radiation Technical Specialist	Lynn Albin	1	360-236-4195	DOH Tumwater ACC	
6. Work Assignments:					
Assess the environmental impacts to agriculture (products, food, and water) and provide recommendations to the Operations Section Chief by 1600 5/10/17.					
7. Special Instructions:					
<p>Safety is paramount. Make sure to follow all safety procedures and requirements. Do not go in USDOE restricted areas or conducting monitoring in unsafe areas.</p> <p>Maintain open and continuous communication with the OSC and the other Group Supervisors. Make sure to share information with the other Group Supervisors to support their work.</p> <p>Make sure to send all important information to the OSC so that it can be captured and included in the situational updates with the SITL by 1500 each day.</p> <p>Communicate any resource needs to the OSC.</p>					
8. Prepared by: Sue Smith, RESL		Signature: <i>Sue Smith</i>			
ICS Form 204		Date: 5/10/2017		Time: 16:00hrs	



ICS Form 205A

Communications List

1. Incident Name: 2017 Hanford PUREX Incident		2. Operational Period:	Date From: 5/10/17 Time From: 0800	Date To: 5/12/17 Time To: 0800
3. Basic Communications Information:				
Incident Position Assigned	Name	Phone	Email	
AA	Clark Halvorson	s.16	clark.halvorson@doh.wa.gov	
Asst. AA	Michael Loehr		michael.loehr@doh.wa.gov	
IC	Mark Henry		doh-ic@doh.wa.gov	
PIO	Dave Johnson		doh-pio@doh.wa.gov	
LOFR	Ron Weaver		doh-lofr@doh.wa.gov	
OSC	Trevor Covington		doh-osc@doh.wa.gov	
Group Sup	Mike Priddy		mike.priddy@doh.wa.gov	
UDAC (Day)	John Martell		john.martell@doh.wa.gov	
UDAC (Night)	Michelle Anderson-Moore			
UDAC (Night)	Danny Beers		danny.beers@doh.wa.gov	
Tech Spec	Lynn Albin		lynn.albin@doh.wa.gov	
Tech Spec	Ryan Brice		joshua.brice@doh.wa.gov	
Tech Spec	Ben Maltz		ben.maltz@doh.wa.gov	
SOFR	Brad Halstead		doh-sofr@doh.wa.gov	
ASOFR	Greg Staley		doh-sofr@doh.wa.gov	
PSC	Kevin Wickersham		doh-psc@doh.wa.gov	
RESL	Sue Smith		doh-resl@doh.wa.gov	
SITL	Tristan Hay		doh-sitl@doh.wa.gov	
DOCL	Junesca Brown		doh-docl@doh.wa.gov	
LSC	Rachel Paris		doh-lsc@doh.wa.gov	
FSC	Alisa Weld		doh-fsc@doh.wa.gov	
FSC	Ryan Black		doh-fsc@doh.wa.gov	
WebEOC Analyst	Teresa Davis		teresa.davis@doh.wa.gov	
ESF8	Elysa Jones		seoc45@mil.wa.gov	
ESF8	Sarah Ashworth		seoc45@mil.wa.gov	
ESF8 Policy	Chris Williams		chris.williams@doh.wa.gov	
4. Prepared by: Rachel Paris, LSC		Signature: <i>Rachel Paris</i>		
ICS Form 205A		Date: 5/10/2017	Time: 16:00pm	



ICS Form 208

Safety Message/Plan

1. Incident Name: 2017 Hanford PUREX Incident	2. Operational Period:	Date From: 5/10/17 Time From: 0800	Date To: 5/12/17 Time To: 0800
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3. Safety Message, Expanded Safety Message, Safety Plan, Site Safety Plan:

SAFETY is paramount. All IMT members and responders from all areas of the agency should work safely to bring this radiation event under control.

General safety rules should be observed by all staff members on the IMT. Pay attention to your surroundings. This is not your normal work area, so be observant. If you are working in the Agency Coordination Center (ACC), watch for the numerous tripping hazards in the ACC. Within the ACC if an evacuation becomes necessary, Finance/Admin will bring the current sign-in sheet to the evacuation point. All IMT staff will exit the room and meet in the first drive entrance to the parking garage (to your left as you exit east side of the building). If there is an earthquake, drop, cover, and hold until instructed to evacuate.

Field staff should pay particular attention to the following:

1. Deploying staff will be provided a specific safety briefing prior to departure.
2. Anyone who may have direct exposure to radiation must carry a dosimeter and understand the turnaround value provided.
3. Staff working with samples will comply with the specific safety plans dealing with the packaging and handling of the samples. All appropriate handling rules and personal protective equipment (PPE) will be used.
4. Stay hydrated. Carry plenty of water for each team member.
5. Ensure each team has a first-aid kit and a cell phone.
6. Do not park vehicles over dry grass it may cause a brush fire.
7. Watch for poisonous snakes.
8. Pay attention to your surroundings for your personal safety and security. Do not hesitate to call 911 for assistance.

Any accidents or injuries will be immediately reported to the SOFR at 360-236-4190 and the Incident Commander at 360-480-0308.

As this is a radiation event, remember that this is more like a marathon than a sprint. Depending on the release, we will likely be dealing with this for some time, so pace yourself. Take care of yourself, be aware of your surroundings as well as your co-workers. Use proper lifting techniques to prevent back injuries. Working in an emergency response can be stressful. Staff who are working on this event should:

- Get a good night's sleep. Don't try to catch up on your regular job by working late at night.
- Take breaks periodically
- Stay hydrated (drink some water, not just coffee or...) and eat regularly (not just junk)

It is not uncommon to feel stress. Here are some stress symptoms:

- Mood Swings
- Loss of temper, irritability
- Tiredness or fatigue
- Change in appetite
- Tension or anxiety

4. Site Safety Plan Required? ☒ Yes ☐ No

Approved Site Safety Plan(s) Located At: DOH, Business Operations Support Services

5. Prepared by: Greg Staley, SOFR

Signature:

ICS Form 208


Date: 5/10/2017

Time: 16:00hrs



Meeting Schedule

General Message

1. Incident Name: 2017 Hanford PUREX Incident	2. Date: 5/10/2017	Time: 16:00hrs
3. To (Name and Position): Kevin Wickersham, PSC	4. From (Name and Position): All DOH IMT Personnel and ESF 8 Staff	
5. Subject: Meeting Schedule and Call-in Information		
6. Message: <u>Thursday 5/11/2017 Meeting Schedule</u> 0900 - Morning Check-in Briefing (All IMT Personnel) 1100 - Tactics Meeting (OSC, RESL, LSC, FSC, SOFR) 1300 - Planning Meeting (All IMT Personnel) 1430 - Daily Wrap Up Call (All IMT Personnel) All above-listed meetings will be held in the GoToMeeting room listed below. Please join my meeting from your computer, tablet or smartphone. s.16 You can also dial in using your phone. United States s.16 United States: Access Code:		
9. Prepared by: Kevin Wickersham, PSC	Signature: 	
ICS Form 213	Date: 5/10/2017	Time: 16:00hrs



Weather Forecast

1. Incident Name: 2017 Hanford PUREX Incident	2. Operational Period:	Date From 5/10/17 Time From 0800	Date To: 5/12/17 Time To: 0800
<p>3. Weather Forecast and Discussion:</p> <p>Forecast is based on incident time of 1200 PDT on May 10.</p> <p>***Thunderstorms imply gusty and erratic winds***</p> <p>***Winds are 20 foot 10-minute averages***</p> <p>***CWR-Chance of wetting rain 0.10 or greater***</p> <p>DISCUSSION...MOSTLY SUNNY AND WARM CONDITIONS WILL CONTINUE FOR THE REMAINDER OF THE AFTERNOON HOURS. SOUTHEAST WINDS WILL REMAIN LIGHT THROUGH SUNSET. A SLIGHT CHANCE OF A SHOWER OR THUNDERSTORM WILL BE POSSIBLE AFTER ABOUT 10 PM THIS EVENING. CHANCES FOR SHOWERS AND THUNDERSTORMS WILL GRADUALLY INCREASE OVERNIGHT AND INTO EARLY THURSDAY MORNING. AFTER A BRIEF BREAK IN THE ACTIVITY, CHANCES FOR ADDITIONAL SHOWERS AND THUNDERSTORMS WILL CONTINUE THROUGH THE DAY THURSDAY. SOUTHWEST WINDS WILL INCREASE STARTING THURSDAY MORNING AND INTO THE EARLY AFTERNOON. A COLD FRONT WILL CAUSE AN ABRUPT WIND SHIFT DURING THE LATE AFTERNOON HOURS AS WESTERLY WINDS BECOME STRONG AND GUSTY. WINDS SHOULD THEN DECREASE BACK DOWN TO AROUND 10 MPH LATER THURSDAY NIGHT.</p> <p>REST OF TODAY...</p> <p>SKY/WEATHER.....MOSTLY SUNNY.</p> <p>CHANCE OF PCPN.....0 PERCENT.</p> <p>MAX TEMPERATURE.....83-86.</p> <p>MIN HUMIDITY.....19-23 PERCENT.</p> <p>SURFACE WINDS.....SOUTHEAST WINDS 3 TO 8 MPH. GUST TO 14 MPH.</p> <p>TONIGHT...</p> <p>SKY/WEATHER.....PARTLY CLOUDY THEN BECOMING MOSTLY CLOUDY. SCATTERED SHOWERS AND ISOLATED THUNDERSTORMS AFTER 10 PM.</p> <p>CHANCE OF PCPN.....40 PERCENT.</p> <p>MIN TEMPERATURE.....55-59.</p> <p>MAX HUMIDITY.....76-80 PERCENT.</p> <p>SURFACE WINDS.....SOUTHEAST WINDS 5 TO 8 MPH SHIFTING TO THE WEST 3 TO 6 MPH AFTER MIDNIGHT.</p> <p>THURSDAY...</p> <p>SKY/WEATHER.....MOSTLY CLOUDY. A CHANCE OF RAIN SHOWERS AND A SLIGHT CHANCE OF THUNDERSTORMS.</p> <p>CHANCE OF PCPN.....40 PERCENT.</p> <p>MAX TEMPERATURE.....74-78.</p> <p>MIN HUMIDITY.....34-39 PERCENT.</p> <p>SURFACE WINDS.....SOUTHWEST WINDS 4 TO 8 MPH INCREASING TO 8 TO 15 MPH IN THE EARLY AFTERNOON. WINDS SHIFTING WEST AND INCREASING TO 18 TO 25 MPH AFTER 4 PM.</p>			
5. Prepared by: Tristan Hay, SITL Weather Forecast		Signature: <i>Tristan Hay</i> Date: 5/10/2017 Time: 16:00hrs	

WA DOH Incident Management Team

SITUATION REPORT # 2

Incident Name: 2017 Hanford PUREX 200 East Event

Mission # 17-1581

New Information is Highlighted in Yellow

Date: 05/10/2017	Time: 1500
Phone : 360-236-4191	E-mail: doh-sitl@doh.wa.gov

I. INCIDENT HISTORY AND IMPACTED AREA:

During routine surveillance of an area of the Hanford Nuclear Reservation on the morning of May 9th, 2017, a 20-foot-wide hole was observed in the roof of an underground storage tunnel was near the Plutonium Uranium Extraction Facility (PUREX). This tunnel contains significant amounts of radiological material. Surrounding counties and states were notified and the US Department of Energy (DOE) ordered precautionary sheltering of employees. A Site Area Emergency was declared.

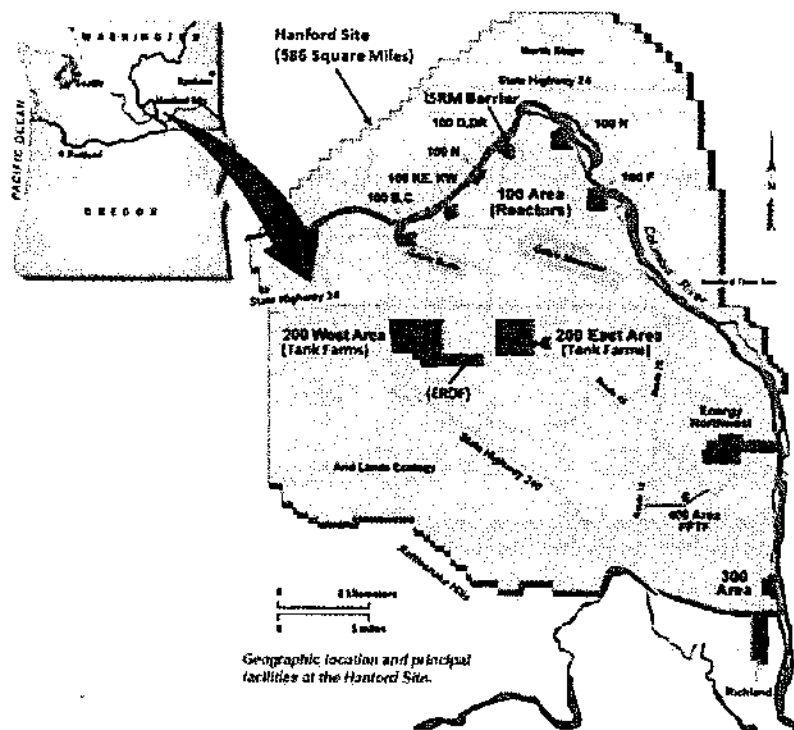
US DOE and the Washington State Department of Health (DOH) in partnership with other agencies are monitoring radiation levels around the affected area and at this time have found no evidence of contamination. No injuries have been reported.

After no contamination was detected in initial surveys, the shelter in place order was lifted and employees were sent home from work early as a precaution. Workers continue to monitor the area for contamination as crews on site load soil into the tunnel to cover the radioactive materials.

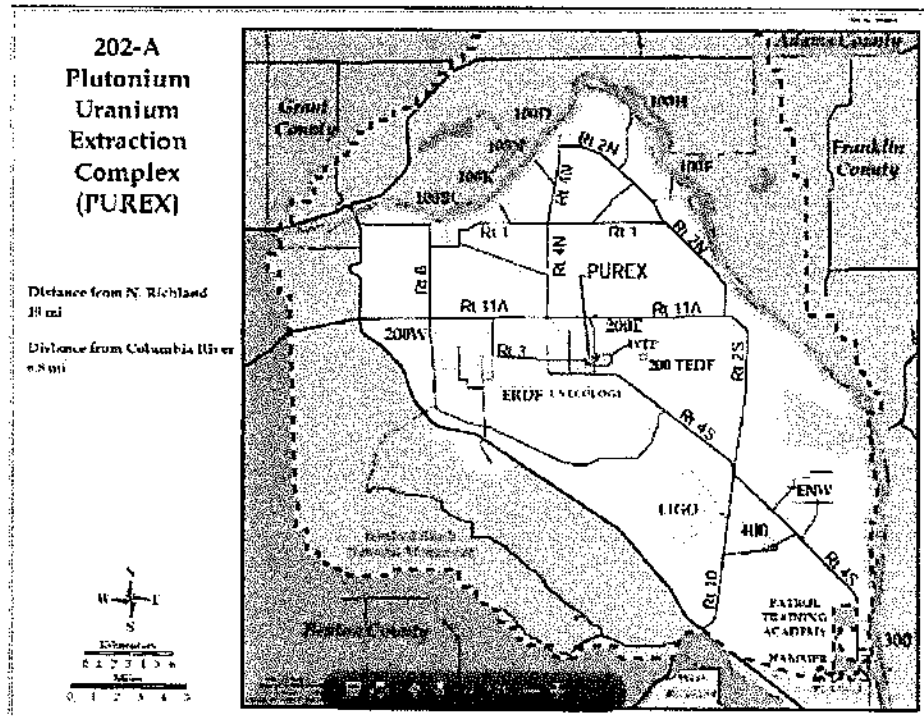
The approximately 360 foot long tunnel where the partial collapse occurred contains 8 rail cars loaded with contaminated equipment. That tunnel feeds into a longer tunnel that extends hundreds more feet and contains 28 rail cars loaded with contaminated equipment. The hole opened up in the shorter tunnel near where it joins the longer tunnel. The tunnels were sealed in the mid-1990s and are checked periodically.

There are no evacuation orders or shelter-in-place orders in place for the communities surrounding the Hanford Nuclear Reservation.

The Washington State Emergency Operations Center (SEOC) is active under the mission number 17-1581.



1:20 PM --



II. CURRENT SITUATION

Tuesday 5/9/2017

Field Teams were activated on 5/9/2017 in response to an incident at the Hanford Nuclear Reservation. A tunnel collapsed over an area where radiological materials are stored at the site, leading the Department of Energy (DOE) to declare a Site Area Emergency and activate response protocols. There is no indication at this time that radiological contamination has left the Hanford site, but monitoring and data collection by DOH EPH staff, in coordination with DOE staff, are critical to assess potential impacts. There are no reports of injuries, deaths, or human contamination at this time. No evacuations or shelter in place orders have been initiated by local jurisdictions.

Wednesday 5/9/2017

US DOE is providing situational information to WA DOH personnel on a regular basis through the Unified Dose Assessment Center (UDAC) and US DOE Joint Information Center (JIC). DOH is seeking further information about the tunnel and its integrity, and will be meeting with US DOE and WA Ecology later today to discuss the tunnel and long term plans to assure its stability.

On the evening of 5/9/2017 and into the morning of 5/10/2017 crews began work on spreading gravel to gain access to the hole and began the process of covering the contaminated materials with soil. Fill operations began with a test dump at 0615am on 5/10/2017 and will continue until the entire hole is filled. US DOE is working to complete fill operations before this evening when there is potential for severe weather in the affected area.

DOH has field teams standing by which are prepared to conduct additional environmental monitoring as needed. Continuous air monitoring is being conducted by US DOE. The air samples that were collected by the field teams on 5/9/2017 are being sent to the WA state Public Health Labs on 5/10/2017 for analysis which can take two to five days to complete. Currently DOH staff are present at the State Emergency Operations Center (EOC) at Camp Murray, and the State EOC is fully activated for this incident. The IMT is also fully operational at DOH headquarters in Tumwater.

As of 13:45hrs on 5/10/2017 30 truckloads have been dumped into the hole and DOE estimated that they are about halfway filled.

Current Weather

200E tower met conditions as of 1100 PDT

Wind Speed 3.5 mph
Peak Gust 10.4 mph
Direction E
Stability Class A
Relative Humidity 38%
Temperature 71.0 F

Discussion:

Mostly sunny and warm conditions will continue for the remainder of the afternoon hours. Southeast winds will remain light through sunset. A slight chance of a shower or thunderstorm will be possible after about 10 pm this evening. Chances for showers and thunderstorms will gradually increase overnight and into early Thursday morning. After a brief break in the activity, chances for additional showers and thunderstorms will continue through the day Thursday. Southwest winds will increase starting Thursday morning and into the

early afternoon. A cold front will cause an abrupt wind shift during the late afternoon hours as westerly winds become strong and gusty. Winds should then decrease back down to around 10 MPH later Thursday night. (Spot forecast courtesy of NWS Forecast Office Pendleton, OR)

III. CURRENT RESPONSE ACTIVITIES – WASHINGTON DEPARTMENT OF HEALTH

General Update:

- US DOE Officials continue to collect and monitor air samples and are working to fill the hole in the tunnel roof.
- US DOE officials do not intend to downgrade the incident until the hole is completely filled and brought to grade.

Environmental Monitoring Update:

- Air samples were taken by DOH officials at 9 different locations around the Hanford site boundary in order to identify potential threats to public health. Field tests show background levels of radiation which are not hazardous to public health. The samples have been sent to the PHL for further analysis.

Public Health Laboratories (PHL) Update:

- PHL is expected to receive the samples taken on 5/9/2017 and begin analysis 5/10/2017.

Hospital Surveillance Update:

- The WA DOH Rapid Health Information NetwOrk (RHINO) is conducting syndromic surveillance of patient visits to Emergency Departments in the region to identify visits related to this incident.
- Oregon Health Authority has been informed and is also conducting syndromic surveillance to detect potential cross-border impacts.

Communications Update: -

- DOH staff are updating the Strategic Communications Dashboard and Holding Statement. DOH has posted on Facebook and Twitter DOH centric messaging and are coordinating messaging with SEOC PIO and JIC PIO.

IV. ADDITIONAL RESPONSE RESOURCES

- www.hanford.wa.gov

*****The next Situation Report will be released at 1700hrs on 5/11/2017 unless the situation changes significantly*****

From: [DOH-LOFR \(DOH\)](#)
Subject: WA Dept of Health: IAP and SitRep #1
Date: Tuesday, May 9, 2017 5:41:00 PM
Attachments: [IAP#1.pdf](#)
[Hanford PUREX SitRep 1 05 10 2017.pdf](#)

This message is being sent to agency leadership, as well as local health and tribal partners:

Good evening,

At 10 a.m. on May 9, 2017 the Washington State Department of Health (DOH) Incident Management Team, Environmental Public Health (EPH) Radiological Field Teams, and DOH representatives were sent to the Washington State Emergency Operations Center to support Emergency Support Function #8 in response to an incident at the Hanford Nuclear Reservation.

We have DOH teams monitoring select public areas for air and soil radioactive contamination. **There are no reports of injuries, deaths, or human contamination at this time. No evacuations or shelter in place orders have been initiated by local jurisdictions.**

Attached is the first Situation Report for your review. Additionally, the Incident Action Plan (IAP) #1, covers DOH IMT activities through May 12 at 8:00 a.m.

Please do not 'Reply All' to this email. If there are any requests for additional information please contact the DOH Liaison Officer at 360-236-4198, or email doh-lofr@doh.wa.gov.

Regards,

Kristen Baird Romero

Washington State Department of Health

Incident Management Team (IMT)

Liaison Officer Desk

Desk Phone: 360.236.4198

DOH-LOFR@doh.wa.gov

From: DOH-LOFR (DOH)
To: DOH-FSC (DOH); DOH-IC (DOH); DOH-LOFR (DOH); DOH-LSC (DOH); DOH-OPC (DOH); DOH-OSC (DOH); DOH-PIO (DOH); DOH-PSC (DOH); DOH-RESL (DOH); DOH-SITL (DOH); Adkinson, Theresa (DOH); Ana, James (DOH); Barlow, Danelle (DOH); Bassham, Susann (DOH); Brastad, Andy (DOH); Cameron, Sue (DOH); Cole, Amanda (DOH); Delahunt, Regina (DOH); Dziedzy, Ed (DOH); Eshelman, Christal (DOH); Goetz, Mary (DOH); Goodwin, Annie; Guldry, Jessica (DOH); Henderson, Troy (DOH); Higman, Keith (DOH); Ihach, Ryan (DOH); Jecha, Larry (DOH); Jeffers, Edie (DOH); Johnson, Ben (DOH); Jones, Lauri (DOH); Karasz, Hilary (DOH); Knutson, Kasey (DOH); Lanman, Martha (DOH); Lewis, Cody (DOH); Lithgow, Mike; Li-Vollmer, Meredith (DOH); Person, Amy, DR (DOH); Potts, Karen (DOH); Read, Robin (DOH); Sloan, Susan (DOH); Strehle, Sheila; Strick, Don (DOH); Tennis, John (DOH); Thomas, Brad (DOH); Travis, Leta (DOH); Wimsatt, Kateri; Winans, Joby (DOH); Wood, Rachel, Dr (Thurston) (DOH); Woodbury, Brady (DOH); Zaccaria, Jason (DOH); A Deshields; A. Means; C. Breault; Johnson, Corrie (DOH); Glen Roggenbuck; James Shike; Bruner, Jasper (DOH); Katherine Clark; Kristina Currie; Lloyd Lee; M. Cline; monica mcgee; Check, Pat (DOH); Sabrina Bees; Stacy McKay; W. Bashir; Z. Deshields; DOH DL OS LHJ Directors; DOH DL OS LHJ Health Officers; DOH DL OS LHJ Leadership; DOH DL OS PHEPR Coalition Leads; DOH DL OS PHEPR LERC; DOH DL OS PHEPR BERC; DOH DL OS Tribal Health Directors; HLTH MQC Duty Officer HLTH:EX; hecc@nwtrn.org; secc45 (MIL); DOH DL Agency Leadership Group; lynda@nwtemc.org; delostenbero@ccops.org; Claude@nwtemc.org; J. Cartwright (jeff.cartwright@wsfc.wa.gov); Canniff, Bridget (DOH); Weiser, Tom (DOH); DOH DL OS PHEPR Tribal Contract Managers; DOH-DOCL (DOH); DOH-LOFR2 (DOH); DOH-LOFR3 (DOH)
Subject: 2017 Hanford PUREX DOH Incident Action Plan #1 Revised and SitRep #2
Date: Wednesday, May 10, 2017 5:24:53 PM
Attachments: 2017 Hanford PUREX IAP #1R.pdf
Hanford PUREX SitRep 2 05 10 2017.pdf

Good afternoon –

The 2017 Hanford PUREX Dept. of Health Incident Action Plan #1 Revised and SitRep #2 are attached.

Please call 360-236-4198 with questions about either of these documents.

Thank you,

Ron Weaver

DOH Liaison Officer

Dept. of Health

360-236-4198

Doh-lofr@doh.wa.gov