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12-19-07 S Doss

1/3/2008 (cont)

1300 The [illegible] found in the excavation site [illegible] area and [illegible] site [illegible] 1545 [illegible] The [illegible] in the top layer of the spoil pile was containerized. The [illegible] until back fill [illegible] contamination [illegible] in the trench. Upon agreement with WDOH, soil has been stabilized and when the spoil pile gets excavated back into the trench for back fill, no additional controls will be required [illegible] If any contamination is found, the work will stop and the [illegible] Controls will be put in place. These controls will be [illegible] the soil [illegible] The spoil pile posted as CA will be back filled by hand. A front [illegible] back [illegible] along the loader does not scrape the ground. SD

12-25-07 S Doss

2 Jos 1/2/08

1055 Notified the 702-AZ, 296-A-43, chiller shut down which caused a Stack Hi Hi temp alarm, and shut off flow the the CAM. ~~This was disc~~ SD 12-25-07 This occurred at 0845 & the chiller ~~& [illegible]~~ SD 12-25-07 was restarted and the alarms cleared at 0915. SD

CNS-0702576

12-26-07 S Doss

1012 Email notification sent for CNS-0702576. SD

Rev 1 sent 1/2/08 to correct stack # to 296-A-42 Jos 1/2/08

1/3/2008

1438 Informed by T Faust of 0800 discovery of missed annual radiological smear of AZ-154 breather filter And

1/3/2008 (cont)

of failure to perform annual replacement of same radial breather filter. Both were due in 2007. Smear done on 1/3/08 found no contamination. Filter replacemed to be done by 1/9/08. JDL

1601 - WDOH notified of AZ-154 missed breather filter replacement & missed Rad smear. Other copied on notification - CNS # CH2M-0800137 JDL

1/7/2008

0741 Informed by C. Kemp that α survey of U-301B radial breather filter was not performed on 4/26/07. JDL 1/7/08 β survey & filter replacemed were done. α smear is an annual requirement also per AOP. JDL

0877 Notified WDOH of missed annual α smear at U-301 B catch tank. CNS # CH2M-0800-157. JDL

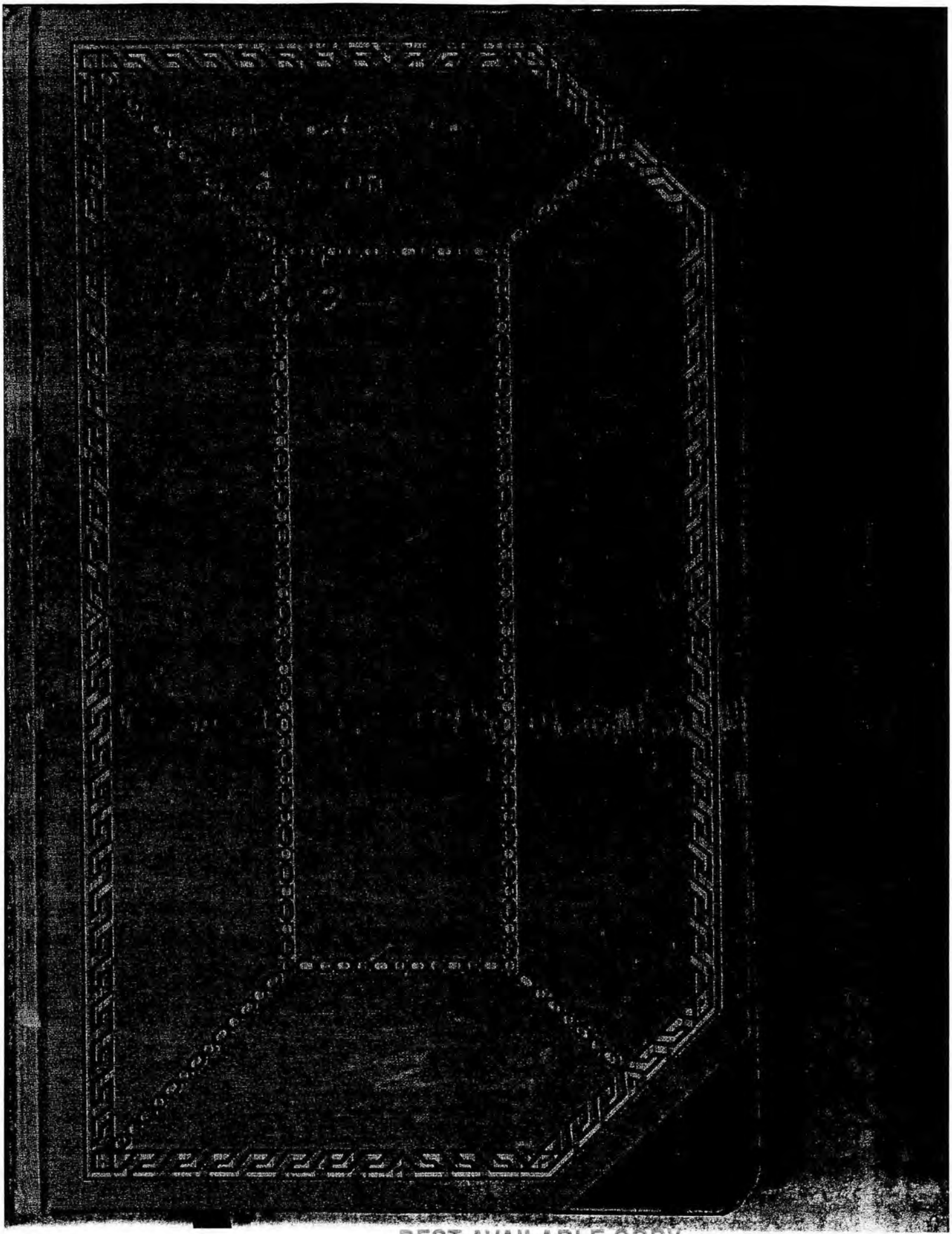
1/8/08

0801 C. Kemp confirmed that annual HEPA aerosol test not done in 12/07 for 296-S-18 (242-S).

0852 Notified WDOH of missed aerosol test for 296-S-18 CNS # 0800158.

1/9/08 0901 spill of <1 pint etheleyne glycol outside S farm gate cleaned up soil.

END of Logbook JDL



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1/10/2008

1400 11 Breather filters reported as overdue for annual challenge test.

241-C-108 due 1/2/08
244-BX primary 1/4/08
244-BX annulus 1/4/08
241-TX-102
241-TX-106
241-TX-103
241-TX-109
241-TX-110
241-TX-111
241-TX-117
241-TX-118

per ~~TF~~ 1715 Notification report submitted to WDOH via email. CNS CH2M-0800159 PER-2008-0086

2000 296-P-22 (241-SY Annulus) discovered shutdown. Suspect high Δp caused by freezing fog on annulus inlet filter.

1/11/2008

0800 Transmitted 296-P-22 notification to WDOH CH2M-0800160

1/12/2008

1957 296-P-22 (241-SY Annulus) discovered shutdown. Suspect high Δp caused by freeze up of inlet filter due to fog.

1/13/2008

0700 296-P-22 notification transmitted to WDOH CH2M-0800161

1/14/2008

0715 The following SST breather filters are overdue for annual challenge test. Due January 11, 2008

241-TX-107

241-TX-108

241-TX-112

Notification transmitted to WDOH

CH2M-0800162 PER-2008-0089

0840 Review of SST breather filter data indicates 241-C-111 was due for annual challenge test 12/18/07. The test was not completed and the test is overdue.

0900 Transmitted 241-C-111 notification to WDOH CH2M-0800163 PER-2008-0091

0910 Review of SST breather filter data indicates 241-C-101 breather filter failed its challenge test on 12/26/07 on Δp. Environmental had not been notified

0913 Transmitted 241-C-105 notification to WDOH CH2M-0800164 PER-2008-0090

1/15/2008

1335 The ~~C-2~~ 241-C-109 breather filter failed the annual challenge test on flow and efficiency of 99.9962%. Notification transmitted to WDOH CH2M-0800165

CTK 1-16-08

1-16-08

CTK 2100 The 241-C-105 b.f. failed due to ~~high~~ low d/p and 241-C-108 b.f. failed due to high d/p. CH2M-0800166 and CH2M-0800167 was sent on 1-17-08 at 10:40a.

CTK 1-17-08.
Shift office called to report the sample loop at 296-5-18 had failed. I told them that CLO-WO-07-1436 "242-5 Record Sampler Loop" was in CO's Ready to Work Status

CTK 1-17-08, 1410 hrs.
WFO Shift office called to inform of the following:
(1) 296-A-20 (AZ-annulus) exhauster was brought back online at 1310 hrs.
(2) At 1320 hrs. the 296-A-19 exhauster was shutdown for maintenance
(3) The 296-5-25 (SY "A") train exhauster was shut down for bearing replacement and planned for restart in 14 days, 1-31-08

CTK 1-18-08 1510 hrs.
The 241-TX-105 and 241-TX-105 breather filters failed on dp (aerosol challenge passed). Notified WDOH per TFC-ESHQ-ENV-FS-C-01 via CH2M-0800168 and CH2M-0800169 at 1539 hrs.

CTK 1-19-08 1420 hrs.
WFO Shift office called to say that the 296-5-25 (SY "A") was restarted with replaced bearings.

CTK 1-19-08 1820 hrs.
WFO shift office called to say that 296-5-25 the record sampler had high flow rate out of range. No notification as "minor" stack.

CTK 1-20-08, 1410 hrs.
The AP-102 Zone #4 leak detector is not working. Zones #2 and #3 leak detectors work.

CTK 1-21-08 1615 hrs.
The 296-A-42 (702-AZ) exhaust stack was taken down on 1-20-08 (not reported to me on 1-20-08) at 2005 hrs. with a chiller problem. The circuits had maintenance done and the exhauster was restarted at 1510 hrs.

CTK 1-21-08 1710 hrs.
The 296-S-25 (SY-"A" train) exhauster has "unreliable" flow ~~cost~~ CTK on the record sampler. The ~~shift~~ office is taking the record sampler to "out of service". Confirmed with the Shift Manager to keep the exhauster running.

1-21-08 1530 hrs.
The WFO Shift Office called with more information on the Chiller Problem at 296-A-42. This was decided to not be planned maintenance (chiller pumps failed) at the exhaust stack was near its high temperature interlock. Because ~~WFO~~ CTK WOOH is off on 1-21-08 I will notify WOOH on the morning of 1-22-08.

CTK 1-22-08 1300 hrs.
WFO called to say that the AN-105 ENRAF doesn't work but the annulus conductivity probes are operating correctly. Work packages has been ~~created~~ created to correct the ENRAF

CTK 1-23-08 1005 hrs.
WFO called to say that the AN-104 ENRAF is also out of service.

1-23-08 1115 hrs.

CJK The LO shift office notified that there is a H20 leak in the ~~80~~ HX-80 shielding (door was not completely closed and there is very cold weather +7°F). Pipefitters have been called for repairs and so far there is no release to the ground.

CJK 1-24-08. 2100hrs.
During the planned AY-101 caustic addition (3 trucks) there will be radiological control concerns on the free release of the trucks. The shift manager wanted to check and see if I knew of any issue staging the trucks (empty) over the weekend at the rigging loft. I said there were no issues I knew of by I would contact the E.C.O. on 1-25-08 to confirm.

CJK 1-25-08 0830
I talked to Phil Miller about staging the empty caustic trucks over the weekend at the rigging loft and he concurred with me. I called the WFO shift office and repeated that I had contacted the ECO

CJK 1-25-08 1410
The C.O. Shift called to say that no testing was able to be performed at the 244-BX, C-105, and C-106 breather filters due to the caps being frozen on.

CJK 1-28-08, 1105
C.O. called to say that it had no crew to take the 18 MUST tank rounds due to the Site Closure

CJK 1-28-08 1120
WFO called to say that the AY-102 (riser #88) annulus ENRAF is out of service leaving one serviable ENRAF.

1/31/08 0852 NOTIFIED BY SHIFT THAT AP 107 ENRAF IS ~~STUCK~~ PSC STUCK AND DECLARED OUT OF SERVICE. MANUAL TAPE IS OPERABLE.

1/31/08 1056 NOTIFIED BY JOHN GUBERSKI THAT ~~THAT~~ PSC THE DRAIN PIPE IN 2B HOOD 16 HAS LEAKED INTO THE SECONDARY CONTAINMENT AT 2225 LABS. LUCINDA BORNEMAN HAS GIVEN ECOLOGY INFORMATION REGARDING THE DRAIN PIPE.

1/31/08 1237 NOTIFIED BY SHIFT THAT SY 103 ANNULUS LEAK DETECTOR 152 IS BACK IN SERVICE

2-6-08 S. Doss

1255 Notified the SY-Annulus Exhauster (296-P-22) was shut down at 0834 this morning. This is a planned shutdown for maintenance. SD

1256 Notified the AY-102 Annulus leak detector 151 is back in normal range and is being declared back in service. SD

1257 Notified the SY-103 annulus leak detector on Riser 9D is out of range. SD

1330 Notified the mesh screen which protects the radial filter pleats, was found contaminated during the annual radial filter replacement at SX-112 and SX-114. The levels are: (see survey # COF-006753)

CSN: CH2M-~~0800~~ 0800173 PCM 2/13/08

- SX-112 - mesh protecting filter media, 6000 dpm/100cm² beta-gamma and <Det alpha and 2000 dpm/100cm² beta gamma & <Det alpha on flange face under filter. A drip of water from inside the filter nipple was noticed.
- SX-114 - mesh protecting filter media, 40,000 dpm/100cm² beta gamma & <Det alpha and 20,000 dpm/100cm² beta-gamma on flange face under filter. A drip of water from inside the filter nipple was noticed. SD

2-7-08 S. Doss

0800 Update to 2-6-08, 1330 entry. SX-110 and SX-111 filter protective mesh both had removable contamination. SX-110 had 4000 dpm/100cm² βγ and <20 α and SX-111 had 6000 dpm/100cm² βγ & <20 α. Also the bird screen on the weather cover of SX-112 had 2000 dpm/100cm² βγ & <20 α. (SD)

0815 Notified J. Martell of the SX-Radial filter contaminations. (SD)

0915 Sent email notification for CNS: CH2M-08 00170. (SD)

1151 Notified that down at the C-Form Construction trailers, a Part-A-let blew over due to 38+ mph winds. None of the contents are leaking out (as of the 1151 notification). Construction FWS R. Hickmon is notifing Waste Services to come and upright the Part-A-let tomorrow. (SD)

1157 Notified by email from J. Subesti at 0927 (today) Subesti notified Bud Derrick (courtesy notification) of a secondary leak detection alarm at IAF, late Friday evening (2-1-08). The alarm is for the secondary containment of the combined sumps at Cell 1. The combined sump is associated with the leachate Storage tank. Personnel responding determined it was caused by snow melt water intrusion. Water could be seen via an electrical conduit which penetrates the secondary containment. The conduit comes from a hand hole below grade. (SD)

1255 Notified the 296-S-21 stack lost the record sample vacuum pump between 1135 and 1150 and then again between 1240 and 1250 due to electrical surges. Stack air flow was not lost either time. (SD)

CNS: CH2M-08 00171

2-7-08 S. Doss continued

1400 Notified power would be taken down in WTF ~~to~~ due to power line arcing from high winds. It is anticipated it will be down throughout the weekend. SD

1426 C. Kemp notified J. Schmidt power was being taken down to WTF due to high winds. SD

1428 C. Kemp notified E. Van Mason power was being taken down to WTF due to high winds. SD

1555 Notified power was restored to WTF. SD

1600 Left voice mail with J. Schmidt notifing power was restored to WTF. SD

1604 Notified E. Van Mason power was restored to WTF. SD

1629 Email sent for CNS: CH2M-0800171, 296-S-21 record sample vacuum pump loss. SD

2-8-08 S. Doss

1330 Due to power outage from 2-7-08, power must be manually restored to ~~of~~ the following as power is still down:

- 244-S Weight Factors for primary and annulus, readings were taken 2-7-08 and were normal;
- A-302A Catch Tank (located behind PUREX) cannot get ENRAF reading (Reading taken 2-7-08 was normal)
- UX-302A ENRAF cannot get reading (reading taken yesterday was normal) SD

2-9-08 S. Ross

1355 Notified the following systems have power:
- 244-S weight factors for primary and annules, reading taken and are normal & within range.
- UX-302-A ENRAF, readings taken and within range.

A-302A (behind PUREX) will not have power restored until Monday (2-11-08) as PUREX personnel must power up this ENRAF.

2-11-08 S. Ross

0720 Notified the 7-day decay count of the work place air sample for 219-S entry is 0.28 DAC α. Personnel were wearing respirators. Subsequent entries have decayed to below 0.2 DAC α. PTRAEU hose was being relocated during this job and it is suspected the ᶜ came from moving the hose of the PTRAEU.

0925 Sent email for notification of 219-S W.P.A.S, CNS-CH2M-0800122.

2/13/08

≈1100 Informed by C. Kemp that approximately 1 gallon of soil cement, solution dtd 2/13/08 was emptied onto the ground in 5 form. Was in a hand sprayer. Mixture was disposed of as it had started to crystalize. Soil cement is not hazardous

2/19/08

1430 ATS Engineering Reports Missed Annual calibration of 296-S-16 HEPA filter ΔP gauge. Was due 2/14/08.

1602 Sent email for notification of 219-S-16 missed Δp calibration #CH2M-0800174

Late Entry - Information received 0828 2/15/08
Various cathodic protection rectifiers out of service on 2/14/08 1527 hrs for maintenance.

AP241 - CATH - RECT - 100 (R1)	Rectifier #41
" " " - 101 (R2)	AZ241 - CATH - RECT - 101 (R46)
Rectifier #16	AY241 - " " - 103 (R8)
AW241 - CATH - RECT - 100 (R19)	per N 2/15/08 AZ241 - " " - 100 (R11)
AY241 - " - " - 101 (R7)	per N 2/15/08 AB241 - " " - 102 (R13)
" - " - " - 103 (R31)	AZ241 - " " - 102 (R47)
Rectifier #18	Rectifier #2 (PUREX)

2/18/08
1211 - Rectifier taken out of service 2/18/08
Restored except Rectifier #2 (PUREX)

2/22/08
1300 241-AX-152 manual tape is out-of-service. After obtaining tank level, the manual tape broke while being retrieved from the tank. The broken tape fell back into tank.

2-27-08 1458 hrs.
The AN-101 Zone "A" leak detector went off during a rainstorm at 1030 hrs. On 2-28-06 the leak detector was not in alarm status.
CHAM-0800175

2-27-08
2000 hrs., at 1800 the "chiller" was found down on 296-A-42 and restarted. Notification via email was sent on 2-28-08 at 1220 hrs.
CH2M-0800176

2-28-07

0830 called WFO about AN-101 Zone #4

DRILL

2-28-07 0852

Received drill message on BX Farm elevated readings

Drill Message

2-28-07 0853

Was instructed to take normal travel to WFO shift office.

0905

Entered MO-286 and reported to Shift Manager

AN 106 to AP 102 transfer confirmation of a pool

20 ft. pool

0913 Told Shift Manager to implement the EOC to implement the RCRA Contingency Plan, Contact the Shift Manager that exceeded a NRC ; + to contact the WDOH

Incident Commander Richard Woodruff

NRC

AN-106 to AP-102

0842 elevated w/ a visible pool, pump shutdown entered AOP-11, Take cover at 0846

0922 NRC contacted 0915 to 0922

0903 EOC called to implement the RCRA contingency plan

0924 Notified WDOH

0928 Notified WDOE

Hanford Fire to spray the area w/ foam

Continued Drill Message

- P.C. Miller contacted @ 0938
(1) about exceeding a R.Q at 0913 for Cs-137 and called NRC at 0915 to 0922
(2) EOC called to implement the RCRA contingency plan per shift manager instructions at 0913
(3) Notified WDOH at 0924
(4) Notified WDOE at 0928

- Simulated phone called to Craig Perkins about results needed for Near Field Monitoring to stand by to change N.F.M. samples call made at 0958

Drill Terminated at 1004

COK 3-3-08
1548 Called by C.O. Env. Field Rep. on a stained diesel area by the light generator next to the "Dean Dome". There was an unknown spill volume and it may be from past fillups.

COK 1648 Called by Shelly Doss reminding me about the one hour notification and Phil asked whether this was called in

CTK 1702 Called the Washington State WDOE Central hotline at 509-575-2490 and when not answered I had to press "1" and was connected to the Washington State EOC for an ~12 minute call. "Chris" answered and I told him of the spill, location, employer, site owner, spill, location at ~11 miles from the Columbia River and ~25 miles from Richland (the nearest town). No outside emergency help needed, Was told he would notify Jim Pearson of the WDOE Central via paging.

3-3-08

CJK 1712, called Eric Van Mason work phone (372-7929) and with no answer called his cellular (430-5144) and told him of the diesel spill that I estimated at 2 - 2.5 gallons (5'x5' area), the called to WDOE Central spill line going to Washington State EOC, and that Jim Pearson was to be "paged" by the EOC.

CJK 1717 Called Shelly Boss to communicate of the notifications.

CJK 1721 Left message of Phil Miller cellular telling of the notification.

CJK 1727 Received a phone call from Bob Messer HFD battalion commander saying he received a "page" from the EOC and he asked information on the spill.

CJK 1740 Called C.O. Shift office 372-2806 to tell them of the spill and notification to EOC. Was advised to call ATS shift office.

CJK 1744 Called ATS shift office (373-2435) and was asked to call the BED, Jim Heinemann

CJK 1747 Called Jim Heinemann (539-6106) and told him of the spill

3-4-08

CJK Sent fax of spill notification (CH2M-0800254) to WDOE, ORP, CH Legal, Env. V.P., and gave a copy to Phil Miller at 1015 hrs.

3-4-08 continued

CJK 1148, Called by WFO that the 296-A-27 (241-AW) primary exhauster AW-241-VTP-FLP-302 HEPA, AW-241-VTP-FLP-303 HEPA, and Stack flow test V+B test were not conducted within 365 days (last done 2-27-07). Notified WDOH via CH2M-0800255 on email at 1348.

CJK 1406, Called by Jerry Long asking what happened with the 296-A-27 missed V+B test.

tlf 3-10-08

0822, notified of 1 pint ~~transmission Fluid~~ transmission Fluid tlf 3-10-08 leak to gravel in 241-AN Farm from Crane. Spill noticed at 0820 and clean up started. Crane being removed from Farm. John Gessner FWS called in MSDS # 049880 at 0832. "76 Super ATF". CH2M-0800256

tlf 0840, page Eric VanMason, on AN Farm transmission Fluid spill CH2M-0800256.

tlf 0900, left message on VanMason cell phone to please call.

tlf 0913, called Ecology Central Washington Regional office, told to speak to Will Strand. Will was out of office, receptionist given cell phone #, name, short description 1 pint spill transmission Fluid (below RQ) in tank Farm at Hanford Site. Will to Return call to complete notification.

tlf 0913, Will Strand return call immediately notification completed to Ecology Central Office.

tlf 0944 Eric VanMason return call notification CH2M-0800256 made.

tlf 0950 Faxed notification CH2M-0800256 completed.

3-11-08

dlf 10:38 notified of power outage in A2 Farm tubing out annulus leak detection and primary level indicator as of 0940. Planned outage. Operator rounds completed before outage started. 1451 power restored.

3/12/08 1945 NOTIFIED BY SHIFT THAT SY ANNULUS EXHAUSTER WAS RE-STARTED

3/13/08 0930 NOTIFIED BY SHERM TIFFT THAT 296-P-23 FAILED ITS AEROSOL HEPA CHALLENGE TEST ON 3/12/08 1415

3/13/08 1047 NOTIFIED BY SHIFT THAT ~~THE~~ 241 AN/ ANNULUS LEAK DETECTION ALARM MONITORING WILL BE OUT OF SERVICE FOR 1 WEEK. LEVEL MONITORING IN PRIMARY TANK IS OPERABLE

3/13/08 1222 NOTIFICATION E MAIL FROM 296-P-23 FAILE AEROSOL TEST SENT. CNS: CH2M ~~0800257~~ 0800257

3/14/08 1415 NOTIFIED BY SHIFT THAT AIR SAMPLE RESULT FROM S 102 Digging ON 3/7/08 CAME BACK AFTER 7 DAY DECAY ABOVE REPORTING CRITERIA FOR ALPHA RESULTS WERE .25 DAC ALPHA .03 DAC BETA/GAMMA. CNS 0800258

1508 SENT NOTIFICATION E MAIL FOR AIR SAMPLE RESULTS FROM S-102. CNS: 0800258

3/15/08 1705 NOTIFIED BY SHIFT THAT 296-A-41 ZOOROS SAMPLER WAS FOUND DOWN DUE TO A FAILED VACUM PUMP CNS: 0800259

3/15/08 1755 NOTIFIED BY SHIFT THAT 702 AZ CHILLER (296-A-42) WAS FOUND DOWN TO A "FAULT" CONDITION. WAS IMMEDIATELY RE-STARTED. CNS: 08002G0

3/17/08 1445 SENT NOTIFICATION E-MAILS OFF FOR 241 AP RECORD SAMPLER AND 702 AZ CHILLER

3/17/08 1635 NOTIFIED BY SHIFT THAT 296-A-19 241-AY-102 ANNULUS RECORD SAMPLER WAS FOUND DOWN DUE TO A FAILED VACUM PUMP

3/17/08 2110 NOTIFIED BY SHIFT THAT 241 AP 108 ~~ANNULUS~~ ZONE III LEAK DETECTOR WAS PLACED OUT OF SERVICE BECAUSE OF UT WORK BEING PERFORMED

3/18/08 1210 NOTIFIED BY SHIFT THAT SX 113 BREATHER FAILED AEROSOL TEST AT 699.946 AND SX 101 BREATHER FILTER FAILED BECAUSE OF DP. CNS: 08002G1

3/18/08 1435 NOTIFIED BY SHIFT THAT AP 108 ZONE II LEAK DETECTOR TAKEN OUT OF SERVICE BECAUSE OF UT TESTING. AP 108 LEAK DETECTOR ZONE III BACK IN SERVICE

3/18/08 1610 SENT NOTIFICATION E MAIL ON FAILED BREATHER FILTERS AT SX.

3-21-08 S. Doss

1330 Secured east area cathodic protection rectifiers to perform seismic testy. SD

3-21-08 S. Moss Cont.

2000 At 1600 in the 242-A Evap. pump room, valve HV-CA-15 was discovered to have a white crystal powder on the valve & on the floor below. It is assumed to have leaked some time in the past. Consulted w/ chemist Miller & this is not reportable as the pump room is secondary containment & the ventilation system has been in continuous operation. SS

3-25-08 S. Moss

1100 Notified the AY-104 EMRAF is O.O.S. The last reading was taken at 0500 on 3-24-08. SS

1310 Notified the BX-104 Breather Filter failed its aerosol test @ 99.8% E SS

1330 Notified M. Jaras the BX-104 breather filter failed its aerosol test. SS

1351 Made email notification of BX-104 B.F. aerosol test failure (CSN: CH2M-0F00262). SS

2225 Notified the 296-S-25 (SY-A Train) heater is O.O.S. Operations discovered this @ 2145 & tried to restart. B-Train is inoperable due to failing its aerosol test. SS

3-26-08 S. Moss

0753 Left voice mail message w/ Moses Jaras' regarding SY-A-Train heater. SS

0819 Sent email notification 296-S-25 heater failure. CNS- CH2M-000F00263. SS

1340 Informed by shift office that AY-101 annulus exhauster secured for maintenance. JBS

3/26/08 (continued)

1417 - Notified by shift office that ENRAF At AN-104 restored to service. JOB

1525 - Informed by shift office that AY-101 Annulus exhuster restored to operations JOB

2000 - Notified by Shift Manager that 702-A7 chiller found in "fault" condition at 1940. No cause apparent. Latest of several shutdowns. Restarted at 1950. Advised Shift Manager that WDOH will be notified in morning of unplanned shutdown of emmissions control; Advised that new policy require mgmt. notification per TFC-OPS-OPER-D-01 "Courtesy Call outside Agency JOB

3/27/08 0653 - Left message for Mose Jarasi re WDOH call.

0718 WDOH notified of 296-A-42 chiller unplanned shut down. CNS CH2M-0800264

0719 Informed shift office of WDOH notification and that shift mgr had made SOEN page on 3/26/08. JOB

0847 — DRILL Entries

0847 SOEN Drill report to MO-268 Safe Route normal ~~B~~ Route.

0851 30' post on AN-106 to AP 102 AN-106 over RQ for PU 239 SR 90 Cs 137. Prob below ~~Sm~~ Sm-151 (1004 gal RQ)

0855 Advised BED RQ exceeded; Log that RCRA contingency plan implemented

085

090

t

090

093

3/30/

3/31/0

4/1/08

4/2/

DRILL Entries (Cont)

0859 Notified Nat. Response Center of RQ Exceedence Cs, Sr, Pu isotopes.

0904 Notified Ecy of spill to Env from RCRA tank; haz & Rad material involve.

0905 Check list complete including Mgmt Also reminder to Legal re Heart of America.

0937 Drill terminated

DRILL Entries go

3/30/08 1440 241-C-103 Breather Filter failed aerosol test at 99.0247%. jgp

3/31/08 0909 Notified WDOH of 241-C-103 breather filter using CNS # CH2M-0800265.
0911 Informed Base Ops Shift Officer of WDOH Notification + need for D-01 page/call. jgp

4/1/08 1204 Informed of 241-EW-151 breather filter failing Annual test due to flow & ΔP out of range. Aerosol penetration passed. jgp

1230 Contacted Greg Gauck to determine if engineering has agreeded 241-EW-151 flow & ΔP cause a failure. Gauck will check jgp

4/2/08 0726 Eng confirms 241EW151 failed testing
0955 WDOH notified of 241-EW-151 breather filter failure on flow & ΔP CNS # CH2M 080266
1007 West Release Shift Mgr informed of WDOH notification + need for D-01 page/call jgp

4/2/08 1135 Base Ops Shift Office reported a small fuel oil leak on the 242-A Evaporator emergency diesel. The leaking oil has NOT reached the soil. A drip pan has been installed.

CJK 4-9-08 While lifting a cover block (outside of 241-C) there was a spill of 4 oz. (no radiation found). Called at 1950.

CJK 4-11-08 1430 Base Operations east called & says
(1) The AY-101 annulus exhauster 296-A-18 exhauster was restarted
(2) All of the 2-E cathodic protection are now on line
(3) the AN annulus (296-A-30) "B" train was found down at 11:50a and restarted 12:01p
CH2M-0800268

CJK 4-10-08 0710
Notified Eric of Van Mason (left a message on his cell phone) of the start of a leak investigation on 241-C-110 (at the request of Jeff Lyon).
CH2M-0800267 faxes sent at 0755 on 4-10-08

CJK 4-12-08 1625
Notified by Base Ops. that the record sampler on 296-A-30 went down on Saturday and will be repaired on 4-14-08. This does not meet the recordable criteria on page 10 of TFC-ESHQ-ENV_FS-C-01, Rev. E-11.

CJK 4-15-08
Received an e-mail from Ted Wooley on a septic spill near the MO-283. Per John Gutherski and Ted Wooley this is not reportable per ST-4511 but may have applicability under 173-216.

dlf 4/17/08 Notified 1343 AP farm outage complete 296-A-41 and 296-A-40 back in operation. 296-A-40 CAM out of service. This is a minor stack inform Shift office NO outside notifications required.

dlf 4/17/08 Notified 2155 that AP primary 296-A-40, B train heater found not operating at 2150. System currently operating on B train since A train is on temp power. Possible cause being investigated.

dlf 4/18/08 notification email for AP (296-A-40) B train heater outage sent CHZM 0800269

dlf 4/21/08 Notified at 1645, ANOTC level increase noted by operator round 13" → 30" in 1 week. Range allowed 12"—36". Cause under investigation No notification offsite required.

dlf 4/21/08 Notified at 1645, AY/AZ primary 296-A-42 Chiller self secured discoved at 1555. Self restart at 1600, Ops performing temporary rounds every 2 hrs. Stack Temperature did not alarm no offsite notification required. Not listed on table 1 TFC-ESHQ-ENV-FS-C-01.

dlf 4/21/08 Notified at 1645 AP-108 annulus zone 4 leak detector in alarm due to UT cleaning activity. No OFF site reporting required

dlf 4/21/08 Notified at 2400, AN exhausters 296-A-29 and 296-A-30 shutdown at 2255. Restarted at 2300. Cause possibly by work on annulus CAMs. CHZM-0800270.

dlf 4/22/08 sent CHZM-0800270 notification at 0526.

4/22/08: on 4/21/08 it was identified that the S-102 (A-1) breather filter valve was in the open position. On 4/22/08 it was confirmed that the valve was open. That the filter had been last aerosol challenged on 11-27-06 and was 147 days overdue. Notified John Martell by phone. He agreed to leaving valve open since the filter is to be replaced on 4-23-08 with radial filter. Notification Email sent 1504, CR2M-0800274.

4/29/08 1710 NOTIFIED BY SHIFT OFFICE THAT UX302A'S POWER TO THE ENRAF LEVEL INDICATOR WAS TURNED OFF DUE TO SUSPECT NOISE (HUMMING) COMING FROM THE BREAKER PANEL. ELECTRICIANS CALLED TO INVESTIGATE. 4/29/08 DAILY LEVEL WAS TAKEN BEFORE POWER BEING TERMINATED

4/29/08 2043 NOTIFIED BY SHIFT THAT 241 AP ANNULUS EXHAUSTOR 296-A-41 "B" TRAIN WOULD NOT START AFTER A MANUAL SHUTDOWN OF "A" TRAIN "A" TRAIN WAS RE-STARTED. NO CAUSE FOUND FOR "B" TRAIN NOT STARTING. THE SWITCHING OF THE FANS WAS A PLANNED ACTIVITY

4-30-08 S. Doss

1100 Discussed troubleshooting UX-302A ENRAF w/ Ron Tucker & Jim Ficklin. Conclusion is to troubleshoot, define problem & develop a path forward. Troubleshooting to take place tomorrow

1520 Notified the UX-302A level reading would not be taken due to no power. (SD)

5-1-08 S. Doss

1100 Notified UX-302A ENRAF is back in service. Trouble shooting showed no problems so power was restored. The level is 4.54 inches. This is 7 inches higher than the 4-29-08 reading of 4.47 inches (which has been the reading for ~2 months). This could be caused from "bobbing" which can happen when power is restored. I have requested the level to be tracked due to the discrepancy. Notified Miller & Faust.

5-3-08 S Doss

1015 Notified the 296-A-18 (AY-101 Annulus Exhauster) missed its aerosol test date. The 365 days was April 25, 2008. The exhauster has been running the entire time. It is being scheduled until the annual aerosol challenge test can be performed.

1930 Sent email for 296-A-18 notification. Also notified M. Jarasi @ ~1100 this morning & left message w/ P. Miller @ ~1105 this morning.

5-4-08 S. Doss

1525 Notified the Zone 3, AP-108 Leak detector (Annulus) came in and will not clean. Zone 2 is clean. Due to UT testing.

5-5-08 S Doss

0740 Notified 296-A-28 (AW-Annulus Exhauster) was shut down to perform maintance activities.

1015 Notified SX-104 COW has shown an increase. This is from the may data. Dose Basins issued PER 2008-954. TFC-ENG-CHEM-D-42 has not been initiated in accordance with the PER. The data will be re-evaluated & if additional

5-5-08 Cont- S.Hoss

1715 Cont. data indicates a possible leak then TFC-ENG-CHEM-D-42 will be initiated. 5/12 JDP

2030 Notified the 296-A-18 (AY-101 Annulus Exh) passed its aerosol test. The exhauster was left in operation. The record sampler is OOS. and will be repaired as resources allow. 2019

5-6-08 S. Hoss

0920 Notified the 296-A-27 (AW Primary Exh.) record sampler is O.O.S. A trouble shooting package will be initiated. 2025

1500 CSN CH2M-0800273 Notified the 241-B-103, B-105, and B-203, failed their aerosol tests at 99.92%, 99.93%, and 99.85% respectively. Notified M. Jarosi & P. Miller.

1530 Sent email for 5-6-08 CSN-CH2M-0800273. 2035

5/7/08 JDP

1315 - BO shift office reports 296-A-27 record sampler returned to service. Vacuum Pump had failed. 2047

5/8/08 JDP

0803 - Due to ongoing power outage for facility maintenance & upgrades the 242-A bi-monthly CAthodic Protection inspection can not be completed by due date. Will be performed After power is restored 5/18

5/8/08 JDP 1515 - Per Kemp C-104 excavation found a Radiologically hot piece of pipe. Excavate stopped 1706 Pipe piece Removed & contained for disposal 210

5/12/08 1833-BO Shift office reports
JDF that POR-003 has
JDF of ≈ 1 cup liquid at 1901 5/12/08

2019 BO reports rad spill to ground from
Core sample riser adapter. ≈ 10" dia
wet spot on ground. < 0.5 mr/hr w/o
d w/c. 9,500 dpm/100 cm² βγ no α. Drip
occurred from bagged riser adapter to trailer
truck then to ground. ≈ 11 K βγ dpm/100 cm²
on truck. sample JDF 5/13/08 Truck was at AY-101 & is
moving to AP farms. In AOP-~~08~~011 JDF 5/13/08
JDF Reported to BO shift manager that
2025 Based on available information spill does JDF 5/13/08
no involve tank waste [w/o vs w/c same] thus < RQ AY101
no NRC call; will consult with ECO
regarding Ecology based on cleanup of soil
in progress & that spill appears to be
condensate.

2035 Discussed reportability with Phil. No Ecology
but will ask for a ~~do~~ JDF check that 0.5 mr/hr
of Sr-90 is below 0.1 curies

2043 Requested BO Shift Manager to have Rad Coc
confirm 0.5 mr/hr, assuming just Sr-90, is
below 0.1 curies.

2109 Per Phil's discussion with shift office
< 0.5 mr/hr readings are below 0.1 curies.
No reportability to any agency.

5/18/08
1432 ~~26~~ 296-A-18 (241-AY-101 annulus) record
sampler vacuum pump found shutdown.
Pump restarted.

	5/19/08	CJK	6-2
	0900 Initiated TFC-ENG-CHEM-D-42, Tank Leak Assessment Process, due to LOW data scan anomaly at 241-SX-104		qua Per is
	0913 Ecology (Eric Van Mason) informed of 241-SX-104 CHEM-D-42 initiation.		6/4/08
Hf	5/26/08 @ 1332 notified that AT 10:10 today AP annulus exhauster found shutdown Possible cause electrical signal from CAM CAM passed QAS-5 but remotely in alarm. No high RAD levels found. Stack 296-A-41 Notification email to WDOH CHZM-080027S made At 1556.		6/4/08 6/5/08
Hf	5/26/08 @ 2015 notified 204AR level indicator OS due to compressor down taking dip tubes down. Still have Active leak detection. (reported by S.M)		6/7/08
Hf	5/27/08 @ AP annulus continues to be OS. (stack 296-A-41) Record Sampler problem identified and CAM Relay issues. Shutdown notification previously made. CHZM-080027S		6/9/ 6/9/
CJK	5-30-08, 1600, The 242-A bldg. exhauster (296-A-21) K-1 train is being restarted with the CAM off line.		6/10/ Ti
CJK	5-31-08, 2130 hrs. The 296-P-23 (SY pumps) and 296-P-22 (SY-annulus) exhausters were found down due to an electrical spike. The 296-S-25 and 296-P-22 exhausters were restarted. WDOH notified on 6-2-08 via email at 0655 via CH2M-080027G (296-P-23) and CH2M-080027H (296-P-22).		

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CTK 6-2-08, 3:20 p, T-109 has missed its quarterly L.D.W. Dave Barnes was notified. Per RRP-9937 the 365-day requirement is 7-07-08 (last done 7-07-07).

6/4/08 1115 NOTIFIED BY BEXA RAVEN THAT 2-3 gallons OF WATER SPILLED/LEAKED TO THE GROUND FROM THE C-109 WATER SKID (OUTSIDE OF THE FARM). WATER CAME FROM THE PRESSURE RELIEF VALVE

6/4/08 NOTIFIED BY S. DOSS THAT A RADIAL HEPA FILTER HAD BEEN INSTALLED ON TANK B-203

6/5/08 1400 NOTIFIED BY S. DOSS THAT RADIAL FILTERS HAVE BEEN INSTALLED ON TANKS B-103 AND B-105

6/7/08 1041 NOTIFIED BY SHIFT THAT 296-A-28 (241 AW ANNULUS) "A" TRAIN WAS SHUTDOWN DUE TO BEARING NOISE. THIS IS NOT REPORTABLE PER THE ON CALL PROCEDURE.

6/9/08 0730 NOTIFIED BY SHIFT THAT 296-A-30 (241 AN) ANNULUS EXHAUSTER WAS SECURED FOR UT TESTING

6/9/08 1500 NOTIFIED BY SHIFT THAT 296-A-28 (241 AW ANNULUS) "B" TRAIN WAS STARTED AT 1430

6/10/08 1500 NOTIFIED BY SHIFT THAT 296-A-43 (702 AZ "B" TRAIN BLDG EXHAUSTER) HEPA FILTERS ARE PASSED DUE. EXHAUSTER HAS NOT BEEN OPERATING DUE TO MECHANICAL PROBLEMS. EXHAUSTER WAS REPAIRED TODAY AND IS WAITING TO BE SCHEDULED FOR VENT AND BALANCE. "A" TRAIN IS OPERATING

6/10/08 1510 NOTIFIED BY 242 EVAPORATOR THAT THE K152 EXHAUSTER IS RUNNING

6-11-08 S. Doss

1055 The B-110 LOW was discovered breached. A swab of the riser was reading >100,000 dpm/100cm² beta-gamma. The LOW cap was secured. There was no release to personnel or the environment. Per OSD-T-151-00031, the B-110 LOW is a quarterly ~~reading.~~ SD ~~The~~ reading, which is due 6-30-08. Per RPP-9937, SST F&R, this is an annual reading. The last reading was performed on 3-6-08. As there was no release to the environment or personnel and we are within the annual reading, this is not reportable to WDOE. (SD)

6-13-08 S. Doss

1030 Notified @ 0750 the power was taken down on the 296-S-21 (222-S Labs) for maintenance. This is a planned outage ... no notifications required

1535 Notified the 296-S-21 was back in service.

6-14-08 S. Doss

1015 Notified the 296-S-21 was found in Alarm @ 0835 this morning by HPT's. The alarm was reset at 0900. Monitoring was down since 0750 on 6-13-08. Since this is > 8hrs, this will be a notification to WDOH on Monday, 6-16-08. I informed Don Hardy the notification would take place Monday. (SD)

6-16-08 S Doss

0845 Notified the AN-Annulus Exhauster (296-A-30) was taken down @ 0700 for UT Testing. No notification to WDOH is required. (SD)

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6-16-08 Continued SA

1032 Per email from Lucinda Borneman, the notification made on 6-14-08 is being modified to the following: "The 222-S RadCon staff reviewed the sample data, including flow totalizer and run time indicators and have concluded that the samplers returned to service on Friday, June 13th. The outage of sampling is consistent with the duration of electrical outage for the facility. The alarm circuit appears to have not properly returned to service." Lucinda discussed w/ P. Miller and it was concluded that this event is not reportable to WDOH. SA

6/18/08 1834 - AN 102 Zone 2 Annulus leak detector taken out of service (alarm in) for UT testing in Annulus. per RASE Ops Shift Mgr.

6/22/08 2044 - Notified that AN Annulus leak detector out of service for planned maintenance (electrical cond Quarterly check). Shift Mgr believes outage will be > 24 hrs

6/23/08 1842 - Notified AN Annulus leak detector back in service; with exception AN-102 Zone 2 (UT testing has it in Alarm).

6/26/08 Work place air sample obtained at S-102 on 6/19/08 7-Day decay at 0.82 alpha and <0.2 DAC Beta/Gamma. WDOH notified. (CH2M-0800279)

6/30/08 0400 Informed by BO shift office that, at 2348 6/25/08, the following exhaust systems shutdown due to power outage caused by downed power line on 200 E/S 4th Ave.
AN Form: 296-A-29, 296-A-30

AP Farm: 296-A-40, 296-A-41
Aw Farm: 296-A-27, 296-A-28

~~0940~~ 6/30/08 0904 Multi-exhauster outage reported to WDOH via email CH2M-0800280

6/30/08 1145 Notified by BO Shift office that 296-P-47 ~~was~~ shutdown on power outage at 2348 6/29/08.

6/30/08 1228 296-P-47 outage reported to WDOH via email. CH2M-0800281

7/2/08 10:37 Broken thermometer bulb found in A farm between A-105 + A-106, no liquid to ground. Bulb contain mercury, handle as waste. Notify shift office not a spill or release.

7/2/08 1514 notified 296-A-42 side A train HEGA failed annual halide testing. Email notification required to WDOH. Switch to B train.

7/3/08 06:00 Email notification to WDOH of 296-A-42 HEGA filter test failed made. CNS# CH2M-0800282

7/4/08 1542 notified by Shift Manager AP-102 zone 2 annulus leak detector O.S.

7/8/08 AN-102 zone 2 annulus leak detector in alarm since 0906 due to UT work on tank. Leak detector called OS and 90 day clock started. Notification at ~~1504~~ 1723 7/8/08

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7/13/08 1151 NOTIFIED BY JAMIE MORRIS (2225 LABS) THAT 296-S-21 (EF2) SHUTDOWN FROM NO APPARENT CAUSE. THE EF4 DIESEL GENERATED EXHAUSTER CAME ON LINE SO NO VENTILATION WAS LOST. BY 1545 SYSTEM WAS OPERATING NORMALLY. PER OUR PROCEDURE THIS IS NOT REPORTABLE

7/14/08 0800 NOTIFIED BY S. SUBERSKI THAT THE ABOVE LOG ENTRY (7/13/08 1151) REPEATED ITSELF ON 7/14/08.

7/15/08 2150 NOTIFIED BY SHIFT THAT 296-A-27 AND 296-A-28 EXHAUSTERS SHUTDOWN (241 AW) ON MULTIPLE ALARMS. 296-A-27 (PRIMARY) WAS RE-STARTED, 296-A-28 (ANNULUS) WAS STILL DOWN. WILL TROUBLE SHOOT ON DAYS.
CNS # CH2M-0800283

7/16/08 0915 NOTIFICATION E MAIL FOR 241 AW EXHAUSTER SHUTDOWNS SENT.

7-16-08 S. Boss

2330 Notified the 296-A-27 (AW-Primary) and 296-A-28 (AW-Annulus) shut down @ 2130 due to Breaker trip. 296-A-27 was restarted @ 2310 in CAM bypass. Operations to restart troubleshoot 296-A-28 on day shift. (SA)
CNS-CH2M-0800284

7-17-08 S Boss

1007 Sent email for CNS-CH2M-0800284 (AW Exhausters).

1030 Notified the 7-day decay count for an air sample taken at S-102 on 7-10-08 did not decay to < 0.2 DAC α. The air sample is 0.5 DAC α.
CNS-CH2M-0800285

1050 Sent email for CH2M-0800285 (See 1030 entry) SA

S. Doss 7-18-08

0700 Received email & page that an employee ~~was~~ SD had skin contamination discovered when exiting the 242-A pumps room. The level is 2000 dpm Bt/probe area on the left calf. Decontamination was successful. SD

0900 Notified Toni Faust (acting manager for P. Miller) I was going to notify WDOH per TFC-ESHQ-ENV-FS-C-01 of the skin contamination. T. Faust directed me to give WDOH a courtesy call and not officially notify WDOH. SD

0930 Notified John Martell of the skin contamination at 242-A evaporator. SD

7-22-08

1330 Notified 241-A-101 Breather filter failed its aerosol test at 99.88%. SD Also notified 241-A-417 failed its airflow test @ 39 cfm and dpm @ 21" wg. Informal shift both breathers need to be changed out and re-aerosoled within 15 days. CNS is CH2M-0800286. SD

CNS-CH2M-0800286

1520 Notified M. Jarasi of the failed Breather filters

1537 Sent email notification for CNS-CH2M-0800286. SD

7/24/08

1115 - Informed of migration of legacy spill at 242-S. Past spills from top of portable fuel tank to asphalt have migrated to soil. FH to clean up PRQ J Ficklin.

JOB

7/24/08 (cont.)

1130 - Planned power outage for PUREX facility removed power from A-302A level inst. Outage may last a week. Reading obtained JDR

1603 - Power restored to A-302A level inst. JDR

7/26/08 -

1400 - Informed by Base Ops S.M. that portable compressor at 701-A lost ± 1/2 cup coolant to ground; being cleaned up. Compressor shut down; no level readings for A-350 until compressor coolant leak is fixed. JDR

7/29/08

1026 - Notified by Base Ops. S.M. that A-417 Catch tank breather filter failed ΔP test. Passed flow test. JDR

1058 - Sent email notification of A-417 breather filter failed ΔP to WDOH CNS # CH2M 0800287. JDR

1129 - Notified by Base Ops SM that engineering review of A-417 breather filter ΔP test data concluded ΔP criteria was met JDR

1133 - Sent electronic mail to WDOH that ΔP for A-417 is satisfactory based on engineering review. JDR

1645 - Base Ops SM reports 701-A compressor (7/26/08 1400) returned to service & A-350 level obtained today.
- AZ leak detectors out of service for functional testing. JDR

→ 8-13-08: 0730 notified Shift office that Field Rep found a spill to gravel under crane in 241-AW farm. Attempting to determine MSDS. Field Rep working with operations to id material to determine reportability.

8/13/08 1115 NOTIFIED BY SHIFT THAT S 101 BREATHER FILTER FAILED ITS AEROSOL TEST AT 99.910 % ON 8/12/08 1135. CNS# CH2M 0800288

1129 NOTIFICATION E MAIL SENT TO WHOM

1525 NOTIFIED BY SHIFT THAT AY ANNULUS 102 COND PROBE ON RISER 91 WAS FOUND OUT OF RANGE ON HEIGHT. RANGE IS .11-.19. PROBE FOUND AT .20. PROBE WAS TAKEN OUT OF SERVICE — 90 DAY CLOCK

8-20-08 S. Sloss

1403 Notified the Record Sample Timer on 296-A-21 is back in service @ 10:30 today. In addition, the 296-A-22 was shut down @ 1330 for electrical equipment maintenance. (SS)

8-21-08 S. Sloss

0842 Received email from S. Tifft (R. Miller & T. Faust) on distribution the SY Cathodic protection system will be taken out of service at C.O. B today and power will be restored Monday, 8-25-08. Reason for outage is additional ground testing at S-Complex (SS)

8-25-08 S. Sloss

1300 Notified the 296-A-22 (242-A Evap. Vessel Vent)
CNS-CH2M-0800289 was taken out of service on 8-24-08 @ 1300 for

8-25-08 Cont. S. Doss

1300 cont. preventive maintenance. It is expected to be returned to service before 2330 today. SD

1550 Notified Laura Cusak and Mosso Jarosi of 296-A-22 being down for preventive maintenance.

1610 Sent email notification for 296-A-22 preventive maintenance outage (CNS: CH2M-0800249).

2005 Notified the 296-A-22 (242-A Evap. Vessel Vent) was re-started @ 18:16.

9/2/08

1736 - Notified by Base Ops shift Mgr of oil spill to ground NE of C Farm. Lube oil from portable light plant; ≈ 2 gts of mineral oil (Chevron 15W30). Jox

9/16/08 10:48 notified by Shift office 241-C-103 (EU-737) and 241-C-105 (EU-717) breather filters passed annual aerosol 99.998% + dp but failed flow test. Isolation valves left open. Engineering currently evaluating. Email notification to WDOH CNS# 0800290. at 12:49 Am.

9/18/08 1731 NOTIFIED BY SHIFT THAT 296-P-48 SHUTDOWN AT 0905 DUE TO A HIGH SEAL POT LEVEL. ALARM WAS A FALSE READING AND EXHAUSTER WAS RE-STARTED AT 1000. CNS# CH2M-0800291

9/19/08 1115 NOTIFIED BY SHIFT OF A DIESEL SPILL AT C-104 DUE TO EQUIPMENT FAILURE ON A PORTABLE LIGHT PLANT.

9/20/08 0903 LEFT A DETAILED MESSAGE ON ERIC VAN MASON'S (ECOLOGY) CELL PHONE ABOUT DIESEL SPILL ON 9/19/08 AT C-FARM

9/20/08 1015 NOTIFICATION SENT TO WDOH ON 296-P-48 SHUTDOWN ON 9/18/08

9/20/08 1255 NOTIFIED BY SHIFT THAT 296-A-42 (702 AZ) WAS SHUTDOWN DUE TO TWO FAN MOUNTING BRACKETS ON THE CHILLER BEING BROKE. THIS IS REPORTABLE TO WDOH PER OUR NOTIFICATION PROCEDURE.
CNS # CHZM-0800291

9/21/08 2044 NOTIFIED BY SHIFT THAT AT 0850 AY 101 ANNULUS CAM ALARMED AT 6,565 CPM. AY 101 PRIMARY TANK EHRAF SHOWED NO LEVEL DECREASE. AT 2020 HPT REPLACED THE CAM FILTER PAPER AND FOUND IT TO READ 225,000 DPM BETA/GAMMA AND 40,810 DPM ALPHA. AY 101 ANNULUS RECORD SAMPLER WAS CHECKED AND IT WAS READING < DETECTABLE. ANNULUS EXHAUSTER WAS SECURED AT 2020.

9/21/08 2100 I NOTIFIED ECO T. FAUST ABOUT THE AY 101 ANNULUS CAM FILTER READING

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9/22/08 0902 NOTIFICATION ON 296-A-42 SHUTDOWN SENT OUT

9/22/08 0952 NOTIFIED BY TONI FAUST THAT TWO TWO ANNUALLY REQUIRED PRESSURE DIFFERENTIAL TRANSMITTER CALIBRATIONS WERE MISSED. DUE DATE WAS 9/19/08. THIS WAS FOR STACK 296-A-43. THIS IS REPORTABLE TO WDOH. CNS # CH2M-0800293

1012 NOTIFICATION FOR MISSED CALIBRATIONS ON 296-A-43 SENT OUT

9/22/08 1126 AFTER ISSUING THE ABOVE NOTIFICATION CNS CH2M-0800293 IT WAS DETERMINED THAT THE UNIT IN QUESTION HAS TWO TRAINS AND THAT THE MISSED CALIBRATIONS ARE ON THE A TRAIN WHICH HAS BEEN OUT OF SERVICE SINCE 7/25/08 (SHIFT MGR LOG) THAT CALIBRATIONS FOR THE B TRAIN ARE COMING DUE AND WE ARE PLANNING ON MAKING THEIR ANNUAL REQUIREMENT.

9-29-08 S. Doss

8D 1755 2030 Notified of the planned outage of 296-A-20 (AZ-Annulus exhauster). The exhauster was shut down @ ~1555. A courtesy notification will be sent: CH2M-0801202.

9-30-08 S. Doss

0849 Sent courtesy notification of planned 296-A-20 outage. Exhauster will be down ~ 6-8 weeks. CH2M-0801227.

1400 Notified the 296-A-22 (241-A Vessel Vent) Record Sample vacuum pump is out of service. CH2M-0801928

1433 Sent email notification of the 296-A-22 Record Sample Vac. pump. CH2M-0801928.

9-30-08 Cont. S. Doss

1.935 Notified that some time on day shift the 10/4
CH2m- 296-A-40 (Ap-Primary Exh.) outlet temperature
0801929 gage is out of service. (SD)

10-1-08 S. Doss

0800 Sent email notification of 296-A-40 outlet 10/6
temp. gage O.O.S. (SD)

10/2/08

0923 - Informed by Base Ops/242-A shift mgr that 296-A-22 (242-A vessel vent) Record sample is back in service. Vacuum pump replaced

1013 - Informed by Base Ops shift office that AY-101 Annulus leak detection CAM alarmed yesterday, 10/1/08. Ops shutdown the AY-101 annulus (296-A-18) exhauster at 1615 hours. CAM Filter paper is at counting room for analysis. Initial info is ≈ 3600 cpm on filter paper

10/4/08

0930 - 0908 call from Base Ops shift Mgr that AW primary exhauster (B train) found shut down at 0855. No apparent cause. No speed of contamination found. This is new, 296-A-47 exhauster. Restarted at 0908.

1350 - Notified by Base Ops of another unplanned shutdown of 296-A-47 AW 'B' Train primary exhauster. Appears 10
AW-102 ΔPIT is different enough from other ΔPITs that normal vacuum variation is reaching interlock trip setting

10/4/08 1350 (cont)
Discussed with Eng & Jim will go to 'A' train to see if Readings change enough to Avoid trips. 1345 - 'A' train on line JDE

10/6/08
0748 - Notified by Base Ops Shift Manage of 0740 discovery of 296-A-19 (AY-102) record sample vacuum pump shutdown. JDE

0952 Notified WDOH of 10/4/08 unplanned shutdowns of AW 'B' train (296-A-47) exhaust. CNS # WRPS-0800003. Informed BASE Ops Shift office of notification JDE.

1011 Notified WDOH of 296-A-19 record sample out of service. Also BOSO. CNS # WRPS-0800004. JDE

1057 Notified by 222-S FOM (Howald) that Chem tech discovered leak from ICP drain piping at hood 1 in room 1J. No contamination found Pictures being taken. 1J on restricted access

1300 Rom 1J taken off restricted Access. ICP taged out of service via drain.

10/7/08
1230 Spill of ~1 gal diesel fuel at 242-A Evap. West to asphalt/gravel.

10/7/08 Notified by 222-S. FOM of spill of 2 ml methylene Chloride in Room 1P1 to bench top. One HPT received drop on glove. Taken to AMH per std company response. NOT emergency

tlf 10/8/08 Notified by BO/TOC shift office of unplanned shutdown of S4 primary B train exhauster (296-P-23) due to maintenance work at 0925. Operations attempted to restart without success. Notification WRPS-0800005 will be made hold off to see if exhauster can be restarted

tlf 10/8/08 0916-0942 AW Annulus exhauster Shutdown misidentified as unplanned however work package noted shutdown was to occur WDL-111075. No notification made. 296-A-28.

tlf 10/8/08 296-P-23 restarted at 1210 hours. Notification email sent WRPS-0800005 sent 1619.

tlf 10/9/08, 1215, Notified by Shift Manager AW-101 primary tank ENRAF declared out of Service, Manual tape is already out of service Annulus ERAFs (3xs) are in service. Requested 90 day clock started add item to daily report per notification procedure section 4.7 this is not reportable.

tlf 10/9/08, 2015, notified by Shift office AP farm night operator rounds will not be performed. Farm access limited due electrical concerns. Power still

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on in farm. No equipment shutdowns reported. Issue to be investigated on day shift (non-reportable).

yf 10/10/08, ~~08~~ 0824, notified by Shift Manager that AP primary 296-A-10 temperature indicators failed annual calibration (AP241-VTP-TI-326A and ~~D~~ yf (A-train) and AP241-VTP-TI-426A and D (B train). (non-reportable).

yf 10/13/08, 0943, notified by John Ceberski 296-S-21 Stack record sampler shutdown to support annual probe inspection. Stack will remain in service. (non-reportable).

yf 10/13/08, 1425, 296-S-21 record sampler back in service (non reportable).

yf 10/13/08, 1543, notified by Shift Manager AP farm outage to start at approximately 1550 on 10/13/08. 1749, Notified by Shift office power outage actual time 1739. At this time there is no alarm or signals possible for Alternative leak detection. Start 24 hour clock, must have check annulus leads by ~~13~~ yf 1734 on 10/14/08. (non-reportable yf at this time).

yf 10/13/08, 2035. Notified by Shift Manager of potential asbestos spill from ventilation duct insulation. Need to confirm in morning. (non reportable).

yf 10/14/08, 1218 notified by Shelly Doss that Breathe filters failed annual testing due to dp. AX-102 (dp 2.73), A-105 (dp 2.08) notification email to WDOH WRPS-08000006.

tef 10/14/08, 1614 notified by Shift Manager that 24 clock will be most likely exceeded for AP tanks alternative leak detection. Clock stops at 1739. Requested confirmation when continuity check on annulus probes was complete. 17516 hours talked to Sandy and Jeff Voogd. Notification "unoffical" will be made to Eric Van Mason once leak check confirms no leak. Jeff reviewed internal memo contained requirements continuity check daily (00:00 to 24:00) minimum 8 hours between readings and max 24:00 hours. 1845 Shift Manager called. Continuity check on 8 AP tanks confirm no leak completed. Notified Eric Van Mason at 18516 that due to complications entering the Form (safety related) the 24:00 hour clock for alternative leak detection had been missed. Eric wants to know why. Explain Facts would be addressed morning of 10/15/08. Eric Requested followup call in afternoon 10/15/08. This notification does not meet on-call procedure. No formal notification number assigned As of yet

10/16/0

10/16/08

10/18/0

10/20/

10/15/08 1500 NOTIFIED BY SHIFT THAT 296-A-47 27 (AW) SHUTDOWN UNEXPECTEDLY DURING THE CAM FILTER PAPER EXCHANGE, CAM BY-PASS WAS ON. EXHAUSTER WAS RE-STARTED AT 1452. CNS ~~CAM~~ TSC WRPS-0800007

10/15/08 1645 NOTIFIED BY SHIFT THAT 296-A-29 (AH) EXHAUSTER SHUTDOWN DUE TO A MOD BUS FAILURE. CNS ~~CAM~~ TSC WRPS-0800058

10/16/08 0802 SENT NOTIFICATION E MAILS FOR EXHAUSTER SHUTDOWNS AT AW AND AN.

10/16/08 0810 NOTIFIED BY SHIFT THAT EXHAUSTER 296-A-42 (702AZ) SHUT DOWN UNEXPECTEDLY. MAINTENANCE TO TROUBLE SHOOT. CNS WRPS-0800009

0823 NOTIFICATION E MAIL SENT FOR 702 AZ EXHAUSTER SHUTDOWN.

10/18/08 NOTIFIED 0745 BY SHIFT THAT 2 QUARTS OF COMPRESSOR CONDENSATE FELL OFF THE BACK OF A UTILITY TRUCK ON THE CORNER OF ROUTE 3 & 4. ENVIRONMENTAL FROM PRC RESPONDED, NON-REGULATED MATERIAL, NON-REPORTABLE

10/20/08 1320 NOTIFIED BY SHIFT THAT AP BI-MONTHLY CATHODIC PROTECTION WILL BE MISSED BECAUSE OF POWER OUTAGE STILL ON BOMS IN AP FARM.

1330 NOTIFIED ERIC VAN MASON OF ECOLOGY THAT BI MONTHLY CATHODIC PROTECTION IN AP FARM WILL BE MISSED

DATE UNKNOWN
1312 NOTIFIED BY TED WOOLEY THAT ALTERNATIVE LEAK DETECTION 24 HOUR CLOCK FOR 241 AP WAS MISSED.

1425 JEFF VOOLEY NOTIFIED ERIC VAN MASON OF ECOLOGY ABOUT 24 HOUR CLOCK LIMIT FOR LEAK DETECTION BEING MISSED. WRPS-0800010

10/20/08 1545 NOTIFICATION FAX SENT TO ECOLOGY FOR MISSED 24 HOUR READING ON ALTERNATIVE LEAK DETECTION.

10/21/08 1615 NOTIFIED BY SHIFT THAT GAGE PDT AZ109-1 ON THE HEME FILTER ON 296-A-42 (702 AZ) FAILED CALIBRATION. - NON REPORTABLE -

10/23/08 0815 NOTIFIED BY SHIFT THAT ALL AP TANK ANNULUS'S ZONE 4 LEAK DETECTORS ARE BACK IN SERVICE

0830 NOTIFIED BY 242 A EVAPORATOR SHIFT THAT THE VACUM PUMP ON THE BETA CAM WAS FOUND OFF FOR EXHAUSTER 296-A-21. TROUBLE SHOOTING IN PROGRESS

1322 THE BETA CAM VACUM PUMP ON 296-A-21 AT 242 A EVAPORATOR WAS REPLACED AND IS OPERATING

10/24/08 1600 NOTIFIED BY SHIFT THAT 241 AW 101 PRIMARY TANK ENRAF IS OUT OF SERVICE. MANUAL TAPE IS O/S ALSO. ALL THREE ANNULUS ~~COND~~ ENRAFS ARE OPERABLE.

10/25/08 1115 NOTIFIED BY SHIFT THAT 296-A-40 (241 AP) HEATER TEMP GAGE IS O/S

AW 101 ENRAF IS BACK IN SERVICE

10/25/08

10/26/08

10/28/08

10/25/08 2057 NOTIFIED BY SHIFT THAT THE 242 A AIR COMPRESSOR HAD APPROX. 1 QUART OF OIL/WATER OVERFLOW ~~THE~~ OVER THE DRIP PAN. THE DRIP PAN WAS LEVELED, ABSORB. PADS WERE ADDED, AND THE COMPRESSOR WAS TURNED OFF.

10/26/08 1144 NOTIFIED BY SHIFT THAT 241 AW PRIMARY TANK ENRAF IS BACK OUT OF SERVICE. ENRAF WAS PLACED ON THE 90 DAY CLOCK.

OPERATIONS FOUND THE SEPTIC TANK BEHIND MO 979 WAS OVERFLOWING. THERE IS A 6'X25' FOOTPRINT. A COMMODE WAS FOUND RUNNING IN MO 398. COMMODE WAS TURNED OFF. PER WAS WRITTEN. WRPS-PER-2008-0125

296-A-40 (241-AP) HEATER TEMP. GAGE IS BACK IN SERVICE

10/28/08 1538 NOTIFIED BY SHIFT THAT THE QUARTERLY STACK FLOW CALIBRATION FOR 702 AZ (296-A-42) WAS MISSED

2031 NOTIFIED BY SHIFT THAT A LIGHT PLANT ON WEST SIDE OF AN FARM DISCHARGED APPROX 2 QTS OF ENGINE OIL TO THE GROUND. FOOTPRINT IS 8'X6'. SUNBELT RENTALS HAS BEEN OUT EARLIER IN THE DAY TO PERFORM MAINTENANCE AND LEFT THE OIL FILLER CAP OFF. ABSORBENT PADS WERE ADDED TO THE AREA

10/29 8 35 PM 2035 hrs

jw) Call from Brian Johnson Shift office, lost power generator to S change trailer. Unable to enter and take rounds on back shift. Rounds were taken on days. Power still on to ventilation and leak detection instrumentation. Not reportable

10/30/08 1735 PM

Call from Steve Ringo Shift Office, power restored to AY/AZ exhauster at 1550 hrs

11/3/08 0924 am Call from Ops Shift Mngr Evaporator Beta cam + vessel vent sampler down at Evaporator since Friday 0859. Evaporator not operating. Not reportable unless operating

11/4/08 1545 pm Call from Evap Shift office Evaporator vessel vent alpha cam down since ~1300 hrs. During years w/o campaigns requirement is to provide a total of 4 weeks of sampling data. (Not reportable)

dlf 11-5-08, 1420 notified by Rouche that cross site transfer line vent station Breather filter FTL-3185 passed aerosol, problems with flow + dp. (pm=WT-0589). Called Shift office will not report until Engineering review complete. this filter is not listed in FF-01.

dlf 11-7-08, 0621 notified by Shift that stack 296-A-42 was shut down at 0230 due to chiller not being able to maintain operation. Reportable per section 4.5 major stack chiller H_2O pump + listed on Table 1, WRPS-0800011 to WDOH Notification Email sent 0657.

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tlf 11-7-08, 1147, notified by Shift Manager at 11:15 the AN A-train primary 296-A-44 Stack shutdown during power change over to temporary power to support AN Farm power outage. WRPS-0800012. Email sent.

tlf 11-8-08 1934, notified by SM that alpha CAM Vacuum pump failed on 296-A-21 at 0934. 296-A-21 CAM not environmentally required. (not reportable).

tlf 11-10-08, ~~090~~ tlf 11/10/08 0930 notified by SM that AW primary (296-A-28) planned Shutdown at 0920. (not reportable)

tlf 11-10-08, 0930 notified by SM POR-03 (296-P-48) Started this has NOC. Being used on C-200. (not reportable)

tlf 11-10-08, 1604, notified by SM that Facility Manager declared formally filter 3185 at crosssite vent station failed dp + Flow on 11-5-08. Spoke with Lucinda Penn since Filters are not listed in FF-01 and are located inside a vented Facility, and act as inlet filters failure is not reportable

tlf 11-11-08, 0039, Notified by Shift Manager of 241-SY-B train (296-P-23) unplanned Shutdown at 2230 on 11-10-08 possibly due to dp on a PLC failure. 241-SY-A train (296-P-S-25) tlf 11/11/08 Started. WRPS-0800013 notification Email sent 0135.

tlf 11-11-08, 0705 verified by email check that WDOH on May 06 decided Vent station 2, 125 cfm filters including FTL-3185 would not be licenced see item 11-10-08 at 1604.

TAW 11/11/08 ~0840, notified by Facility manager of 2101 HV Warehouse that a battery acid spill had occured. Spill was fully contained inside the warehouse - no notification is required to outside agency per TFC-ESHQ-ENV_FS-C-01 section 4.3

TAW 11/11/08 1036 hrs, notified by Base operations shift office that 244-S DCRT (296-S-22) and S-304 catch tank both failed annual aeroso) tests. Notification to WDOH will be required in accordance w/ TFC-ESHQ-ENV_FS-C-01. Note that filters are required to be replaced within 15 days (RPP-16922). CNS ref # WRPS-0800014

TAW 11/11/08 1545 hrs notified by John Gubarski that during winter startup of 244-S (296-S-18) exhaustion, a low differential pressure was noted for the west filter bank.

TAW 11/12/08, 0815 hrs, sent formal notification to WDOH regarding ~~the~~ TAW failed aerosol tests (see 11/11/08, 1036 hrs TAW entry above). This notification was sent via email.

TAW 11/12/08, 01156 hrs recieved an email from John Schmidt of WDOH requesting a schedule for changing out the failed filters. WRPS environmental responded to this email on 11/12/2008 @ 14:13 hrs providing a schedule. Filters for S-304 and 244S will be changed and tested no later than 11/26/08. This schedule was provided by the responsible Facility manager for WRPS.

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TAW 11/14/08, 2115 hrs.; Base Ops shift office called and notified that the beta cam vacuum pump had failed. Both the record sampler and exhauster remain functional. This Notification is in regard to the Annulus Ap Filter Stuck (296-A-41). Notification to external agency is not required.

TAW 11/18/08 0235 hrs. shift office notified that 702 AZ Primary was shut down for maintenance, the shut down occured around [redacted] TAW 00:52. (12:52 AM). A determination will be made as to whether or not notification will be required to WDOH. This will be based upon whether the maintenance activity can be performed within 8 hrs from time of shut down, or if it can be determined that this was a "planned" shut down.

TAW 11/18/08, spoke with the facility manager (702AZ) and determined that the exhauster shut down that occured on 11/18 @ 00:52 hrs was planned. The daily release sheet for 11/18, shows the maintenance activity, chiller repair. as priority # 8 (work package # 4R-6-1992/C).

TAW 11/18/08, shift office reported that the breather filter had been replaced in S-304 but failed the aerosol test @ 1351 hrs. @ ~14:40 hrs shift office called back and said that the instrument used to perform the test was found to be out of calibration. The test instrument was recalibrated and the test reperformed. The filter passed the test with the second try.

[redacted] TANK

11/18/08 Shift office reported that the Ay annulus exhauster (296-A-19) had been secured @ 0945 and the C-110 portable exhauster had been secured @ 0924. Both shutdowns were considered as planned due to maintenance activities. No notification to WDOH is planned @ this time.

11/21/08

1340 - Base Ops Shift Mgr reports:

- At 0940 hours 241-AP annulus exhauster unexpectedly shutdown while ops was preparing to secure exhauster for maint. Restarted at 1022. No release
- At 1110 hours 296-A-42, (702 A7) exhauster restarted from maintenance outage.
- AY-102 Annulus ENRAF restored to operation. JDE

1430 - Notified WDOH of 0940 unplanned shutdown of 296-A-41. Shift Office informed of notification.
CNS WRPS-080015- JDE

11/24/08

1004 - Informed by facility manager, Don Tucker, that C-203 2nd 241-AP ENRAF will not be calibrated prior to annual due date of 11/27/08. Gauge is currently out of service. C-203 level reading for this quarter due by 12/31/08. Agreed that this one time calibration is not reportable. Cal to be done prior to taking quarterly reading. JDE

11/24/08 (cont)

1130 1234 - Base Ops Shift Office reports AY-102 annulus ENRAF, that was restored to service 11/21/08, is now reading out of range. JOZ

1335 - Base Ops Shift Office reports AN-105 tank Level ENRAF out of service. Manual tape is also out of service. ENRAF on 90-day clock. JOZ

11/25/08

0755 - Base Ops Shift Office reports AW-101 ENRAF (annulus) restored to service. JOZ.

11/26/08 1225 NOTIFIED BY SHIFT THAT 296-P-22 (241-SY ANNULUS) WAS FOUND SHUTDOWN. CAUSE MAY HAVE BEEN FROM FOGGY/FREEZING CONDITIONS
WRPS II 0800016

1400 296-P-22 RE-STARTED

12/1/08 0721 SENT NOTIFICATION FOR 296-P-22 TO WDOH

12/2/08 1400 NOTIFIED BY SHIFT THAT 296-P-23 (241-SY PRIMARY) SHUT DOWN UNEXPECTEDLY WHILE PERFORMING A MAINTENANCE ACTIVITY.
WRPS II 0800017

1516 296-P-23 RE-STARTED

1537 NOTIFICATION FOR 296-P-23 SENT TO WDOH

12/3/08 ~~0346~~ 1546 JW

JW Shift Operations reported that AY-101 Annulus stack record sampler is experiencing low flow rate at this time, 105 CFH (normal 108 - 132 CFH). Operations will troubleshoot tomorrow.
AOP requires 4 samples/yr and demonstration of reliability and accuracy. Not reportable at this time

12/4/08 10 PM

JW Shift operations reported AN-K2-5-1 Annulus Exhauster shut down and switch to other exhauster. Reported noise from belts or bearings. Not reportable

12/5/08 ~~0250~~ 1430 JW

JW Received a call from John Suberski and Scott Conrad
Both reported information from Rad Con. Dose ~~rates~~ Contamination measurements in SX farm were found on radial filters for SX-110, 111, 112 + 114.
Smear samples were taken back to counting room: SX-114, 7162 dpm/100 cm² - 8288 dpm
SX-112 2467 -
SX-111 4620 - 2241 dpm/100 cm²
SX-110 1219 dpm/100 cm²
AOP condition for sampling + monitoring ≤ 10,000 dpm/100 cm

12/9/08 ~~[illegible]~~ 1426

JW Shift office reported that AW-101, zone 2 annulus leak detector alarmed, shortly after heavy rainfall. Asked Shift office to monitor condition for next 4 hours and report back at approx ~1830 hrs.

12/9/08 ~2030

JW Shift office reported that AW-101, zone 2 annulus leak detector still in alarm mode. No other zone alarming. 4 hour limit

has been exceeded per notification procedure TRC-ESHQ-ENV-PS-C-01 (see 12-10 entry gdw)

12/10/08 0730 Requested Operations evaluate AW-101 for intrusion. gdw during morning call. Talked to Dave Strasser - water in alarm cleared at approx 0430 hrs 12/10/08. Water had been introduced into annulus by during UT inspection. Annulus leak detector alarm due to operational activities - not reportable per TRC-ESHQ-ENV-PS-C-01, step 4.7 (3) bullet 3.

12/10/08 1400 - Discussions with management and follow up discussion with HPT that performed field survey of SX radial filters (see 12/5/08 entry) concluded the 12/5/08 discovery of contamination is reportable as filters were described as water saturated in PER WRPS2008-0327 issued on 12/5/08. PER info discovered today by Environmental. JDZ
1620 BO Shift Office told of pending notification
1620 WDOH notified of 12/5/08 contamination and wet filters at SX-110, 111, 112, 114.
CNS WRPS 0800018 JDZ

12-11-08 0935 - notified by Shift Manager At 2340 on 12-10-08 the AN primary exhauster B train. 296-A-45 shut itself down due to low pressure caused by weather conditions (fog) system remains shutdown. Email notification # WRPS-0800019 made At 0951 to WDOH

12-11-08 0935 - notified by Shift Manager at 0845 the SY annulus exhauster shutdown due to low pressure caused by fog. Restarted at 0848 hours. Email notification WRPS-0800020 made to WDOH at 0953 for 296-P-22.

tlf	12-11-08 1518 notified by Shift Manager Operator rounds the 241-AN-104 ERAF is out of service. Per page 13 of 71 of TFC-ESHQ-ENV-FS-C-01 this is not an external reportable.	SRT (Information)	12-19-2 went record (Repor liquid from duct (duct o the S the sample the s be e will 2 d -No
tlf	12-15-08 0917 notified by Shift office (1) AW annulus (296-A-28) secured to support UT for the week [non reportable] time 0820 (2) AP annulus will be secured periodically throughout day to support calibration of pressure switch [non reportable]. 296-A-4 (3) AP primary (296-A-40) record sampler declared O.S. due to low flow [non reportable].		
tlf	12-15-08, 2004 hrs. Notified by Shift office AN primary (B train, 296-A-45) shutdown at 1952 due to seal pot level transmitter problem. Email notification WRPS-0800021 made a 0630 on 12-16-08.	SRT	Not.fi 12/22 in M radial farm PER to do noted Takey not to th that fil te foun
tlf	12-16-08, 1652 hrs Shift office notification SY annulus stack CAM out of service at 10:15am. Not reportable.		
tlf	12-16-08, 1735, notified by Shift Manager stack 296-A-44 (AN primary A train) shutdown due to seal pot level transmitter alarm. Email notification WRPS-0800022 to WDOH made at 1744 hrs.		
TAW	12-19-08, this is to correct log entry for 10-28-08 (Page 45) @ 1538. Further review has verified that the quarterly stack flow (ANSI) response check was performed within the quarter (see WDL-111671). No notification is required.	SRT	12/22/ that went Not on 12/ ice &

12-19-2008 702-AZ record Sample, HPTs went into 702-AZ CAM Room to change record Sample/CAM filter paper at 1415 hrs. (Reported by Kyle Meyer). There was liquid dripping in front of the CAM ethine from nozzle "C" on the overhead exhaust duct (where liquid was coming out of the duct on 12-18-08 - See Spill log for this date). The Samplers were not in question as to the Sample papers being wet. The samplers are continuing to operate satisfactorily. The sample papers are now scheduled to be changed Monday, 12-22-2008. This will make the change out 2 wks ent 2 days (maybe more).
- No Notification required.

Notified WDOH (Martell) at ~1545 hr on 12/22/2008 on Radial filter freezing up (ice) in Mounting of threaded flange. On 12/19/2008 radial filters were being changed in SX farm the icing problem were observed. PER WRPS-PER-2008-0408 was issued to document the icing problem. It was noted that some corrective actions had been taken. (The ENV. On-Call was not notified until 12/22/08 during a visit to the Shift Office. It was noted at that time the 244-A annulus radial filter was changed on 12/22/2008 and found ice below the filter.

12/22/08. Shift Manage noted on-call that the 241-SY annulus exhauster went down, unplanned, at 1500hr. Notification to WDOH ~~not required~~ made on 12/23/08. Inlet filters froze over - knocked off ice & restarted at 0830hr 12/23/08

TAW 12/24/08; 0920 hrs notified by Sherm Tifft that the AN-106 Annulus leak detector was found in alarm, on 12/23/08 @ 1525 hrs Called shift office on 12/24/08 @ 0930 to confirm. Shift office verified that the housing for the Leak detector had broken. Notification to Ecology will be made in accordance with procedure TFC-ESHQ-ENV-FS-C-01. CNS; WRPS-0800279

TAW 12/24/08, Notified by shift office @ 1700 hrs that the AY 102 annulus CAM was in alarm (Low flow) and could not be cleared; this CAM was declared out of service @ 1647 hrs. Also notified in same call that the record sampler for the AN Exhauster was declared out of service due to either a vacuum pump failure or electrical problem. No notifications to outside agencies will be required.

TAW 12/26/08 @ 0330 hrs, Notified by shift office that AN 101 annulus Leak detectors zones 2, 3 and 4 went out of service on 12/25/08 @ 23:28 hrs. Shift office believes that is due to freezing fog getting into the flake boxes. External notification will be made via fax within 24 hrs of the detectors going out of service. CNS # WRPS-0800280. Also note that in-tank level indicator provides continuous monitoring. Level is @ 414.77 inches and holding.

TAW 12/26/08 @ 0330 hrs, Notified by shift office that AP annulus exhauster secured due to inlet station freezing. Exhauster unplanned shut down occured @ 0107 hrs on 12/26/08. Notification to WDOH will be made. (CNS-0800281)

TAW 12/26/08 @ 0905, notified by shift office that the SY tank annulus exhauster had an unplanned shutdown due to freezing conditions. Notified WDOH (CNS-0800282)

TAW 12/26/08 1032 called ERIC Van masons cell phone and spoke w/ Steve Seendrie of Ecology. Steve has been taking over for ERIC the last several weeks. I explained the annulus L.D Notifications for AN Farms (AN 106, AN 101) and forwarded those notifications to him. Page 56 1st and 2nd entries

TAW Shift office notified that AP & SY annulus exhausters were started back up @ 0800 and 0810 hrs respectively. Call received from the shift office @ 1350 hrs on 12/27/08

TAW 12/27/08 Shift office notified that AN101 zone 4 annulus leak detector had cleared (alarm had cleared) so is back operational. this was determined during morning rounds. Zones 2 & 3 still in alarm; zone 2 lowered 1/8" of final position and zone 3 alarm > 1/8 but < 1/4 inch of final position

TAW 12/28/08 @ approximately 1630 hrs the shift office notified that annulus leak detectors zones 2, 3 & 4 of AN101 cleared @ 01000 on 12/28/08.

~~TAW 12/29/08 @ 0900 hrs notified by shift office that zone 3 leak detector for AN101 was still out of service but the alarm had cleared~~

TAW 12/29/08 @ ≈ 0920 hrs shift office called and notified that AN 101 zone 4 went into ALARM @ ≈ 0909 hrs. Notification to Ecology will be required if ALARM is Not cleared within 4 hrs.

TAW 12/29/08 @ ≈ 0938 hrs shift office notified that AN102, zone #2 annulus leak detector was found in alarm @ 0929 hrs. Notification to Ecology will be made if alarm is Not Cleared within 4 hrs.

TAW 12/29/08 @ 01025 Kathy Conaway of Ecology called to verify information sent on AN 106, and AN 101 annulus leak detectors (WRPS-0800279 and WRPS-0800280)

TAW 12/29/08 @ 1300 hrs shift office notified that all AN annulus leak detectors that were previously in alarm (AN 101 zone 4, AN 102 zone #2) have cleared. Notification to Ecology is Not Necessary, because the alarms were cleared in less than 4 hrs. Alarms cleared on their own, rain stopped and the annular spaces dried up.

TAW 12/29 Eco exc

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JAN

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TAW 12/29/08 @ 1325 hrs, called Steve Szendre of Ecology to notify that all AN annulus leak detectors except AN 106 Zone #3, are functional.

JDR 12/31/08 1807 Informed by shift office that AN-101 Zone 2 leak detecorl in ALARM due to Annulus UT testing. No notification required.

JAN 5 2009 0810 Informed by Ted Wooley that he has been told of wet record sample filter paper found at 702 A7 on 12/3 & 12/22, 2008. He will confirm with Rad Con JDR

1000 Wet Record Sample filter paper confirmed by Rad Con. Reportable to WDOH JDR

1030 Base Ops Shift Office notified of pending WDOH Notification

1106 WDOH Notified of two instances of wet record sample filter at 296-A-42 (CNS WRPS 09000002). JDR

1757 Informed by Base Ops Shift Mgr that AZ-101 TANK ENRAF out of service due to plummet breaking off during flush. MANUAL TAPE in service & level reading taken before flush. JDR

1/6/09 1350 Informed by 242-A Ops that 242-A Bldg + Vessel Vent secured for facility maint. Expect return to service 1/7/09

2009

MW 12/29/08 @ 1325 hrs, called Steve Szendre of Ecology to notify that all AN annulus leak detectors except AN 106 zone #3, are functional.

JDE 12/31/08 1807 Informed by shift office that AN-101 Zone 2 leak detector in ALARM due to Annulus UT testing. No notification required.

JAN 5 2009 0600 Informed by Ted Wooley that he has been told of wet record sampled filter paper found at 702 A7 on 12/3 & 12/22, 2008. He will confirm with Rad Con JDE

1000 Wet Record Sampler filter paper confirmed by Rad Con. Reportable to WDOH JDE

1030 Base Ops Shift Office notified of pending WDOH Notification

1106 WDOH Notified of two instances of wet record sample filter at 296-A-42 (CNS WRPS 09000002). JDE

1757 Informed by Base Ops shift Mgr that AZ-101 Tank Enraf out of service due to plummet breaking off during flush. Manual tape in service & level readings taken before flush. JDE

1/6/09 1350 Informed by 242-A Ops that 242-A Bldg & Vessel Vent secured for facility maint. Expect return to service 1/7/09

1/7/09 1440 NOTIFIED BY SHIFT THAT 702 AZ SWITCHED (planned) FROM "A" TRAIN TO "B" TRAIN "A" TRAIN HEPA FILTER AEROSOL (current) WORK GOOD UNTIL 2359 HRS 1/7/09. TFC-WO-08-2989 IS WORK PACKAGE NUMBER FOR AEROSOL TEST FOR "A" TRAIN, TO BE DONE BY 4/6/09

1/7/09 2046 NOTIFIED BY SHIFT THAT 241 AW PRIMARY EXHAUSTER (296-A-27) SHUTDOWN AT 1102 HRS DUE TO A VACUM PRESSURE DIFFERENTIAL LOW ALARM. EXHAUSTER WAS RE-STARTED AT 2010 HRS CNS# WRPS-0900003

1/8/09 0748 SENT NOTIFICATION EMAIL OFF FOR 296-A-27 SHUTDOWN

1/8/09 NOTIFIED BY RADCON SUPERVISION (1540) THAT DURING RECORD SAMPLER PAPER EXCHANGE THE FILTER PAPER WAS WET. SAMPLE # 75750 EDP # 924. CNS# WRPS-0900004

1/8/09 1613 NOTIFIED BY SHIFT THAT 241 AW PRIMARY EXHAUSTER (296-A-27) SHUTDOWN DUE TO A VACUM PRESSURE DIFFERENTIAL LOW ALARM. EXHAUSTER WAS RE-STARTED AT 1505. CNS# WRPS-0900005

1/9/09 1415 SENT NOTIFICATION E MAILS OFF FOR 296-A-27 SHUTDOWN AND WET RECORD SAMPLER FILTER FOR 296-A-27.

1/13/09 0915 NOTIFIED BY SHIFT THAT AW 101 ZONE II GEAR DETECTOR HAS BEEN IN ALARM SINCE 1/12/09 1642 HRS. UT TESTING GOING ON AND IS PROBABLY THE CAUSE FOR THE ALARM.

1/13/09 0940 NOTIFIED BY SHIFT THAT AW 101 ZONE II LOAE DETECTOR CLEARED.

1/13/09 1417 NOTIFIED BY SHIFT THAT 241 AA PRIMARY EXHAUSTER SHUTDOWN UNEXPECTEDLY DURING MAINTENANCE ACTIVITIES. EXHAUSTER WAS RESTARTED AT 1338. CNS: WRPS-090006

1/13/09 1512 NOTIFICATION EMAIL FOR 296-A-29 SHUTDOWN SENT

1/14/09 0448 NOTIFIED BY SHIFT THAT AW 101 ZONE II LOAE DETECTOR IN ALARM. UT TESTING IS IN PROGRESS AND SUSPECT IN THE CAUSE OF THE ALARM 1/15/09 1115 Confirmed alarm cleared jaw

jaw 1/15/09 1120 Notified by shift office the SY annulus exhauster shut down due to icing on inlet filter, ~~Dan~~ at approx 9:30 am. Ice knocked (freezing fog) off of the jet inlet filter. Plan to restart after lunch. (Bobby CNS: WRPS-090007)

jaw 1/15/09 ~~1445~~ 1445 Confirmed with shift office restart of SY annulus exhauster P-22. Shift office reported that exhauster restarted at 1344.

jaw 1600 1/16/09 1530 Call from Shift Office, lost HMI (Human Machine Interface) for 296-A-46 exhauster. Currently without instrument readings for inlet temp, heater temps, flow rate, etc. Exhauster and sampler still running. Notification basis, major stack unplanned problem with emission control equipment. (CNS: WRPS-090008)

1/17/09 1045 hrs Shift office reported High Rad stack alarm on SY Tank Farm exhauster (296-S-25). Operations entered into AOP-21, stack ventilation shutdown at approx 1022 hrs.

1/17/09 1200 Shift office reported reading from CAM filter @ 50 dpm. Conclusion was CAM failure. Report Notification to WDOH (CNS-090008) as unplanned shutdown

1/17/09 1252 Shift Office reported that CAM filter paper and record sampler showed evidence of moisture on the filter media.

1/17/09 1553 Unable to start SY-B train Containment crew coming out to repair SY-A CAM.

1/18/09 1600 Shift Operations reported that at 1045 restarted SY-A exhauster after repairs to stack CAM. At 1558 hrs SY annulus exhaust sample pump for the CAM was found not functioning

1/19/09 1100 Confirmed sequence of events on SY exhauster. SY-A restarted at 1213 1/18/09 SY-B unable to start due to low seal pot alarm at 1430 1/17/09. Notification to WDOH, loss of active ventilation when both SY-A & SY-B not operating. (CNS-090010)

1/19/09 1425 Shift office reports that AY-101 and AY-102 are being taken out of service for planned work. Casy reading taken prior to 0700 this AM. On 24 hour clock.

JAH 1/19/09 1425 Continued:
Ops plans to reset AW exhauster HMI this afternoon. see note of 1/16/09 1530 hrs.

JAH 1/19/09 1559
Shift office reported that AW exhauster HMI was reset. Exhauster and monitoring equipment is operational

JAH 1/19/09 2032
Shift office reported that AW-101, zone 2 annulus leak detector is out. UT activities ongoing today.

1/20/09 1340
Shift office reported that Portable exhauster 03 was started at 10:42 this morning to begin ventilation of C-104. Called Wm Rose to check on ventilation path and WDOE notification. Wm Rose stated exhaust should be for C-110, confirming my suspicions. Asked Wm Rose for copy of notification provided to Ecology last year for start up of C-110 exhauster.

SRT 1/21/2009 INFORMATION: 242 (222-S) reported a planned outage of the Vent System.
- The Diesel generator backup will be on line - Exhauster will continue to operate.
- Record Sampling system continues to operate.
- Outage will last from 9:30 am to early swingshift.
- Late Note: Lucinda Borneman Vent System back to full operation Diesel generator secured - 1523 hrs.

1/21/09 SRT — AT 1425 hr. shift manager (Jeff Andrews) reported an hydraulic fluid leak to the ground from a hydraulic line on the vadose zone push equipment. See Spill Log 1/21/09

1/21/09 SRT — Shift manager (Jeff Andrews) called at 1628 hr., the AY-102 Cooling Tower fan shut down. The Cooling Tower is on the NOC Abatement List, in Table 1. The 702 AZ (296-A-42) is not effected by the fan outage. Failure of fan belts is suspect. WDOH Notified VIA Email CNS: WRPS-0900011

1/22/09 SRT — 0001 hr. shift manager notified on call that the 241-AW-101 annulus Zone 2 leak detector had annunciated and not cleared within 4 hours. The UT crew had been working in the annulus during swing shift = Suspected cause. No Notification.

1/22/09 SRT — 1540 hr. Shift office notified on-Call that the SY VTA Record Sampler/CAM Loops showed No Flow. Suspect Vacuum pump shut down. Troubleshooting required — Facility manager. Fan continues to operate. No Notification

1/22/09 SRT — 1600 hr. Information: The SY A-Train and B-Trains are down (See 1/19/09 entry)

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1/22/09 SRT
Notification made to Ecology: CNS: WRPS-0900012
- On 1/15/2009, Perma-Fix Northwest INC. notified the Tank Farm Contractor that approximately 1 pound of hazardous Waste was found in Low Level waste Shipment TF434 and 10 pounds of hazardous waste was found in Low Level waste shipment AL768.
- DOE requested Notification be made.

1/22/09 SRT
• SY VTP, Shift Office reported AT 1540 hr. the SY-A-Train running and SY-B-Train set were down (unplanned). Cause appeared to be Low Vacuum Flow thru the record Samplers and CAMS, Failed Vacuum. the A-Train is running but record sampler and CAM, Loops are down. Notification made to WDOH CNS: WRPS-0900013

1/23/09 SR,
Late entry: Vacuum pump replaced and record sampler back in service.

1/22/09 SRT
• Information Entry:
Subsequent to starting the C-110 to AN-106 transfer, Ken Anderson reported the data readings required per procedure were not taken.
Contact w/ Jeff Voogd and Scott Conrad indicated the problem resolution will occur on Monday, 1-25-2009.

1/22/09 SRT
• SY VTA record Sampler reported by Shift manager to be out of service at 1540 hour. CNS: WRPS-0900014

1/23/09
Late entry - Vacuum pump replaced and record sampler back in service.

1/22/09 SAT — At 2320 hr. Shift Manager reported both the 241-AN VTP trains were out of service. Tried to restart to no avail. Maintenance required.
WDOH Notification Made. CNS: WRPS-0900015

1/24/09 SAT — Shift manager reported at 0910 hr the 241-AY-102 VTA annulus record sampler had No-Flow.
No Notification to WDOH

1/25/09 SAT — 0915 hr. *Shift office notified on call of Spurious Shutdowns of 241-AN B-Train exhausters on 1-23-2009 that occurred on 1-23-2009.
Notification Sent to WDOH on 1-26-2009. CNS: WRPS-0900016
(Environmental notified on 1-25-2009 of the 1-23-2009 Shutdowns)

1/27/09 SAT — 0950 hr. Shift office reported the 241-AN-106 annulus leak detector Zone 3 was repaired and functionally tested-SAT.

1/26/09 SAT — Shift office reported 241-AN B-Train VTP shutdown on seal pot transmitter failure alarm at 2003 hrs. At 2009 hr. B-Train was restarted. C-110 transfer terminated during B Train outage.
Notification Made to WDOH
CNS: WRPS-0900017

SAT

1/26/09 SRT ✓ at 2320 hr. Shift office reported 241-AN VTP B-Train Shutdown on seal pot transmitter failure. At 2335 hr the 241-AN B-Train was restarted. Notification to WDOH made.
CNS: WRPS-0900018

1/26/09 SRT ✓ Shift office reported At 0023 hr. 241-AN B-Train shutdown due to numerous alarms. At 0125 hr. the B-Train was restarted and exhauster flow raised to 1100 ACFM. Record sampler flow and CAM flow was reported to zero flow. At 0955 hr the B-Train Record Sampler Low-Low flow alarm cleared. Record sampler back on line.
Notification made to WDOH.
CNS: WRPS-0900019

1/26/09 SRT ✓ at 2145 hr. Shift Manager reported the SY VTP A-Train as down. The SY A-Train was restarted
WDOH Notification made.
CNS: WRPS-0900020

1/26/09 SRT ✓ at 2207 hr. Shift manager reported the SY A-Train Shutdown. Shift manage authorized leaving the SY A-Train down until troubleshooting and repairs could be completed.
WDOH Notification Made.
CNS: WRPS-0900021

TAW 1/28/09 @ approx. 01230 hrs shift office notified that the SY primary ventilation (296-S-25) was restarted @ 2150 hrs on 1/27/09. It was also reported during the same call that the SY annulus stack CAM was repaired and put back into service.

TAW 1/29/09 @ approx 1650 hrs notified by shift office that the CAM air flow was indicated as being out of range during the performance of OPS-5 rounds. Cam was declared out of service @ 15:42 hrs on 1/29/09 for the AN primary exhauster A train (296-A-44). Exhauster was left in operation, as was the record sampler. ~~Notification to WDOH will be made within 24 hrs.~~ TAW

TAW

1/30/09 spoke w/ shift office and was notified that A-train primary Exhauster AN Farm (296-A-44) was taken out of service. Switch over to B-train was initiated @ 1628 hrs on 1/29/09. Notification will be made to WDOH to report the exhauster as out of service. CNS: WRPS-0900022. Basis for this notification is TFC-ESHQ-ENV_FS-C01 page 11 Note # 3.

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TAW 1/31/09 @ 2206 hrs shift office notified shut down of 702 AZ primary exhaustor (B-Train) because of chiller malfunctioning. Notification will be made to WDOH, in accordance w/ Notification procedure

TAW 2/1/09 @ ~0705 hrs notification to WDOH was made regarding shut down of 702 AZ primary Exhaust (side B). CNS WRPS-0900023.

TAW 2/1/09 @ ~22:40 hrs shift office notified that the unplanned shut down of the B-train primary exhaustor for AN Farm occured @ 2210 hrs on 2/1/09. Shut down was due to a Modbus failure. Notification to WDOH occurred @ approx 0755 hrs (CNS WRPS-0900024) on 2/2/09. Notified shift office prior to sending out notification.

TAW 2/2/09 @ 01115 hrs, Shift office notified that annulus exhaustors for AY 101, AY 102 and AZ tanks were shut down due to high radiation CAM alarms. High rad alarms are likely due to the primary exhaustor being shut down. ~~Notification to WDOH will be made for an unplanned exhaustor shut down (CNS WRPS-0900025) (CNS WRPS-0900026).~~ Note the high radiation alarms were from the annulus leak detectors in AY 101 and AZ 102.

TAW 2/2/09 @ ~ 1700 hrs notified by Shift office, low flow noted @ the record sampler for the SY B-Train of the primary exhaustor.

TAW 2/3/09 notified by Scott Conrad that during C-110 retrieval operations, @ 1809 hrs on 2/2 the sluicer pump went down, during the sampling for TAPs. 50% sampling for TAPs is an Ecology Air permit requirement, which requires the retrieval system to be operating during the sampling event. The retrieval pump was shut down to trouble shoot the problem w/ the sluicer pump for about ½ hr during the TAPs sampling event, but was restarted and the sample was obtained. Assessment by process engineering determined the sample to be representative.

TAW 2/3/09 performed follow-up on high rad alarms noted on 2/2/09 (see entry page 69 - for 01115 hrs). According to Kyle Meyers the primilary count on CAM filters for the annulus leak detectors in AY101 and AZ102 indicated radon. The results from the Count room were 0.92 and 0.20 (respectively) This DAC fraction result indicates that the alarms were set off due to atmospheric Radon. No Notifications required.

2-4-09 S. Doss

0915 Notified the 296-P-48 exhauster on 241-C-104 was found shut down @ 0900 due to a Beta High Rad alarm. Per the alarm record on the HMI, the exhauster shut down @ 0121 this morning. Notified Shift office I would be sending a Notification to WDOH. (SD)

0956 Email notification for 0915 sent. (SD)

1415 Notified the 296-A-45, AN-B Train Primary exhauster, had wet record sample filter paper. This was discovered during the record sample change out @ 1345. There is water in the record sample line and water was dripping out during the filter exchange. Per Jeff Voogd, the exhauster can remain running for 72 hours from the time of discovery (1345). In 72 hours, operations must have the record samplers repaired. In addition, the CAM filter paper was replaced at the time the record sample was exchanged. When the record samplers is repaired, the CAM filter paper will be changed again and sent for analysis to provide some emission data during the record sample outage (per J. Voogd). Also, Shift office was informed no waste disturbing activities could take place until the samplers is repaired. The A-Train cannot be operated as it has flow problems which need to be repaired. A new filter paper was placed in the record samplers. SD

1654 Email notification sent for 1415 entry. SD sent.

2040 Notified the 296-P-48 exhauster on 241-C-104 shut down @ 2005 due to Beta CAM High Red Alarm. The exhauster had been source checked sample system

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SD	2-4-09 S. Doss Continues		2-
Cont. 2040	and functional check @ 1930. Personnel will be going in to perform investigative surveys. SD	1250 Cont.	Wa The CNS
	2-5-09 S. Doss		2-
0700	Rad Con survey results of CAM filter paper were negative and IHT Results showed no NH_3 or VOC's for the 2-4-09, 2040 entry. SD	1010 CNS-WRPS-0900183	No She Wa
0823	Email notification sent for shutdown of 296-P-4F for the 2-4-09, 2040 entry. SD	0820	2- Se CNS
	2-6-09		
1056	Notified the 101-AN-Zone 4 Annulus leak detector is in alarm. It went into alarm @ 0850. Not reportable unless does not clear by 1250. SD	0835	Se Cl
		0841	Se Cl
1245	Notified the 101-AN Zone 4 Annuls leak detector cleared. SD	1430	N to pr b wl
	2-6-09		
1520	Notified AN-B Train (296-A-45) had Ops 5 successfully performed. Exhauster was restarted at 1337. SD		
		2200	N. E ot w e
1525	Made courtsey notification to WDOH stating the 296-A-45 was restarted. SD		
	2-7-09 S. Doss		
0900	Notified the 296-A-47, 241-AW-B Train Primary		
CNS-WRPS-0900181	Exhauster shut down @0335 while attempting to lower flow. Exhauster was restarted @0347.	0430	2. N O
1250	Notified the 296-P-22, 241-SY-Annulus exhauster		

2-7-09 S. Doss Cont.

1250 Cont. was found shut down due to freezing fog @ 1030. The exhauster was restarted @ 1035. SD
CNS-WRPS-0900182

2-8-09 S. Doss

1010 Notified the 296-A-47, 241-AW-B Train SD
WRPS- shut down @ 0912; cause unknown. Exhauster
0900183 was restarted @ 0922. SD

2-9-09 S Doss

0820 Sent email notification for 0900, 2-7-09 entry for CNS-WRPS-0900181. SD

0835 Sent email notification for 1250, 2-7-09, entry for CNS-WRPS-0900182. SD

0841 Sent email notification for 1010, 2-8-09, entry for CNS-WRPS-0900183. SD

1430 Notified the AY-102 ENRAF is O.S. to move it to a different Riser to support corrosion probe installation. ENRAF is anticipated to be back in service by 2-11-09. Not reportable to WDOE. SD

2200 Notified the SY-103 Annulus ENRAF, in Riser 33, ENRAF Leak detector #152 went into alarm. The other 2 annulus leak detectors, 151 & 153, remain within range. Not reportable unless down time exceeds 4 hours. It went into alarm @ 2103. SD

2-10-09 S Doss

0430 Notified the SY-103 Annulus ENRAF cleared @ 0100. Not reportable as it cleared within 4 hours.

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2-10-09 S. Ross Cont.

0435 Late entry: On 2-9-09 @ 2200, Notified the CNS WRRS 296-A-28, 241-AW-B Train annulus exhauster 0900184 was shut down due to noisy belts/bearings. A work package will be made to trouble shoot/repair. The A-Train is currently ventilating the annulus. (SR)

0813 Email notification sent for 296-A-28 S.E. 0435 entry dated today. (SR)

2/11/09 1645 NOTIFIED BY J. HAMILTON (2225) THAT THE TOTALIZER FOR 296-S-21 FAILED CALIBRATION. RECORD SAMPLER WAS TAKEN OUT OF SERVICE. MAINTENANCE TO REPLACE TOTALIZER ON 2/12/09.

2/12/09 1005 296-S-21 RECORD SAMPLER IS BACK IN SERVICE AND A NEW TOTALIZER

2/15/09 1211 NOTIFIED BY SHIFT THAT SY 103 152 ANNULUS ENRAF LEAK DETECTOR WAS ~~THE~~ OUTSIDE OF NORMAL OPERATING RANGE AT .24", NORMAL RANGE IS BETWEEN .11—.19 PRIMARY TANK LEVEL IS NORMAL. ENRAF DECLARED OUT OF SERVICE. THIS OCCURRED ON 2/9/09 AS WELL.

2/15/09 2210 NOTIFIED BY SHIFT THAT SY B TRAIN EXHAUSTER (296-P-23) SHUTDOWN DUE TO A HIGH SEAL POT ALARM. CNS WRRS 0900025

2/16/09 1148 NOTIFIED BY SHIFT THAT 296-P-23 WAS RE-STARTED

2/16
2/19
2/23
1842
185.0

2/16/09 1342 SENT NOTIFICATION FOR
296-P-23 SHUTDOWN

2/19/09 1623 - Base Ops shift mgr reports 90-day clock will be exceeded on 2/21/09 for
. ENRAF is installed but not capable of reporting alarm due to communication problem.

1638 - Base Ops shift mgr reports that ENRAF can be read locally; temp round sheet being generated to take reading. ENRAF considered off the 90-day clock, although not yet completed with repair due to communication problem, as level readings are valid JFG

2/23/09 1811 Notified by Base Ops shift Mgr of:
- Unplanned shutdown of 296-P-48 (POR #03) due to seal pot level. 1624 - hours
- Leak detection alarm 1624 hours at slurry pump pit for C-110.
- Leak detection alarm 1648 hours at sluicer pit for C-110.

Retreival secured, no other indications of a leak (Rad Area detectors show no change in readings) observed. Personnel evacuated from farm. Personnel being called in to perform invistigative survey to determine if a release to secondary containment has occurred. Sluicer box has had past alarms due to water intrusion (rain/snowmelt). Expecting a 1930 team assembly.
- AN 101/102/107 Annulus leak detectors in alarm.

1842 Brief Voigd on C-farm retrieval leak detection alarms. Likely rain water. JFG

1850. Confirmed with Scott Conrad of past

2/23/09 (cont)

water intrusion caused leak detection alarms at C-Farm Retrieval temp. pits. JOE

1917 Briefed Paul Day on C-Farm retrieval leak detection alarms. Will await further info for from investigative survey; appears alarms are due to intrusion. JOE

JCA 2/23/09

1920 Informed Base Ops Shift Mgr that no report to Regulators at this time on leak detection alarms at C Farm retrieval pits. Will evaluate after investigative survey done. And again in morning with management. JOE

2001 Base Ops Shift reports AN Farm Annulus leak detection alarms cleared. JOE.

2155 Base Ops Shift Mgr reports investigative survey being conducted on outside of C-Farm. No investigative survey will be performed inside farm until morning. Lapel air samplers not available for personnel due to periodic battery discharge PM. being performed. Also, no personnel to man count room to support farm entry (overtime not accepted). Requested shift Mgr confirm that Fire Dept + other contractors were contacted Regarding batteries / lapel air samplers. JOE

2/24/09

0415 Called Base Ops Shift Mgr. re Results of investigative survey. Normal readings found outside farm And on transfer route between AN + C farms. JOE

0617 Discussed with Base Ops shift mgr that if intrusion is confirmed as cause of alarm

2/24/09 (cont)

at 241-C pits the deadline for removal is 1624 hours OR An Ecology notification will be Required. JDF

0815 WDOH notified of 2/23/09 1624 unplanned shutdown of 296-P-48 exhauster. CNS # WRPS 09 00185. Base Ops Shift Mgr informed of notification at 0817. JDF

1031 Informed by Base Ops Shift Mgr that investigative surveys inside 241-C farm do NOT show indications of a leak & support An intrusion. Further survey of pit interior to be done, followed by removal of liquid if intrusion confirmed. JDF.

1300 Slurry pump pit emptied of intrusion liquid JDF.

1501 Advised Ecology (Eric Van Mason) of likley exceeding the ≤ 24-hour requirement for removal of intrusion liquid from secondary containment. Also briefed Eric on general issue; that current wind speed were limiting Access to C-farm to complete removal of intrusion liquid. but Access was expected to occur while personnel are Available on swing shift. Agreed that Eric will be contacted on 2/25 to status if ≤ 24-hour time frame was met or exceeded And if removal of intrusion liquid is completed. JDF.

2/25/09

1030 Received notice from Ships office that intrusion liquid has been removed from the C farm transfer pit and alarm has cleared. 24 hour period for removal of intrusion water was not met per WAC-173-303-640(4)(c). Wind conditions for 2/24 pm were gusting above 25 mph.

JAW 1430 Reached Cric Van Mason and summarized completion of the C-110 sluicer pit pump out Cric requested a note explaining the circumstances for not meeting the 24 hour liquid removal requirement JAW

JAW 2110 Shift Operations notified Environmental of leak detector alarm in AN-06A pit. C-110 transfer was occuring and shutdown on alarm. HPT were making an investigative survey at approx. ~~9PM~~ 2100. JAW

2-26-09

1020 Sent e-mail to Cric Van Mason describing basis for not meeting 24 hr ~~reporting~~ liquid removal requirement (Winds on Tues evening) see 2/24/09 1031 entry JAW

~~23~~ 1530 Received e-mail from 242-A Evaporator that PM EE-02164 was missed for January Generated PER 2009-0325. Reporting requirement 12.1.8 of the site wide RCRA permit provides guidance on documenting the situation in the facility record. Discussed actions w/ Vikki Wagner 242-A. JAW

2/27/09 Met with Shift Operations to discuss 241-EW-151 catch tank breather filter failure aerosol test. Test was performed on 2/24/09 and reported to Shift Office 2/27 am. TRC-WO-09-0807 ; PER-2009-0327. notification submitted ~~2-27~~ 1510 hrs JAW
WRPS-0900186

JAW 3/1/09 1830 Shift Office reported unplanned shutdown of POR3 exhauster due to high seal pot alarm. Reportable WRPS-0900187

3/6/09 On Friday 2/27 TER-2009-0320 was sent to
gw Environmental identifying a sink hole around AY-101 riser 025. Ted Wooley working on documentation in the operating record.

3/2/09 0955 Received call from 242-A, vessel
gw vent exhauster is being shut down (secured) for planned maintenance. (Returned to service at 1530.)

3/6/09 1630 Received call from Shift Supv
gw SY-103 inlet breather filter magnehelic DP gauge failed calibration. Not operable

SRT 3/10/2009 Shift manager reported the 204-AR emergency generator battery exploded. The generator and battery are emersed in a metal structure. Upon investigation, by the time I reported to the generator, the F.H. garage Shop Mechanic had removed the battery and placed it in his truck and he was preparing to neutralize the acid in the containment. No acid escaped the containment to the environment. The garage has a contract with Les Schwab to retrieve the exploded battery from the garage. The waste rags will be taken to the garage and properly disposed per FH waste service requirements. No injuries were incurred. The battery acid MSDS = 19609 This is a NON-reportable event. Jeff Voogd & Jean Quigley were apprised and concurred with the resolution. The Shift Manager was notified there will not be a notification to the State.

SRT (1625 hrs) 3/10/09 Shift Manager reported the 296-A-45 record sampler flow control valve failed it's calibration. B-Train was shut down and A-Train started. The flow control calibration was not resolved within 8 hours making this a reportable condition. (WRPS-0900188)

TAW @ 17:10 hrs on 3/12/09 shift office TAW notified that annulus Leak dector ~~CAM~~ (SY-103) (152) was found in high Alarm @ ~~0730~~ 1620 hrs hrs. This Leak dector was declared out of service. Notification to Ecology will be performed by ~~01130~~ 1620 hrs on 3/13/09.

TAW Spoke w/ Steve Szendre of Ecology @ approx 1310 hrs on 3/13/09. I informed him of the notification required for SY 103 annulus ENRAF. I also forwarded him the email sent out @ 01245 (Ref: WRPS-0900189)

TAW 3/13/09 was notified by BO shift office @ approx 1233 hrs that [illegible] passive breather filter failed test for (@ 01001 hrs) dp (differential pressure). Notification to WDOH will be made on 3/13/09 (Ref: WRPS-0900190)

TAW 3/13/09 was notified by B.O shift office @ approx. 1233 hrs that AW 101 primary tank ENRAF was declared out of service. No notification to Ecology is required. 90 day clock to fix ENRAF starts 3/13. No back up tape available.

TAW 3/16/09 @ approx 1335 hrs notified by BO Shift office that the AN Farm electrical outage began @ 1230 hrs. Outage letter and email notifications to Ecology have been completed. No additional notifications are required @ this time.

WDOH JOS 4/1/09 — JOS 4/1/09 adjacent to nearfield monitors

TAW 3/16/09 @ 1448 hrs notified by J. Gaberski that the ~~near-field~~ air monitor (N-984) located adjacent to 241-C Farm (east-side) has bent tubing. WDOH was notified @ 1433 hrs that the air monitoring equipment is damaged.

TAW ~~3/16/09. Shift office made notification on 3/13/09 @ approximately 1440 hrs that the AW 101 primary~~ tank enraf was brought back into service.

3-20-09 S. Doss

1635 Notified by shift office there are 2 manual tapes in AN-Farm that are O.O.S. The scheduled AN-Farm ~~outage~~ 3-20-09 outage (see T. Wooley entry on 3-16-09 @ 1335) began on 3-16-09. The AN-104 & AN-105 primary tank readings have not been taken since monday, 3-16-09, due to the manual tapes being O.O.S.. Annulus conductivity reads are being performed in the annular space of both tanks and ~~are~~ 3-20-09 SD readings are normal. Will contact T. Wooley to find out if email to WDOE included the AN-104 & AN-105 manual tapes being O.O.S. SD

1645 Contacted T. Wooley & he is not aware of the content of email notification from his 3-16-09 entry. Suggested I call S. Tift as he sent out the email & notifications. SD

3-20-08 SD Continued. S. Doss

1755 Received call (returning my call) from S. Tift. We discussed the manual tapes on AV-104 & AV-105 being O.O.S. since the outage. Enviro + medical Notification procedure states the DST must log annular & primary daily readings. S. Tift's understanding is from OSD-31 & 3-20-07 he believes this states no primary readings are required during planned outages. SD

1830 Contacted shift office regarding the AV-104, 105 manual tapes. Shift office sent me OSD-31 for review. Upon review of OSD-31, it states 3 annular conductivity readings are required and at least 1 in-tank primary monitor reading to be taken daily, 3-20-07 with the exception of agreements per the SY Settlement Agreement. OSD-31 states for a planned facility shutdown >24 hours, WDOE will be notified and alternate leak detection requirements implemented during the outage to be documented in a letter from Enviro. Support & Assessment Manager to Base Ops. Director. 3-20-07 SD

1940 Contact J. Vogel regarding requirement of the primary in-tank monitoring and is it required. I told him the letter sent to WDOE covered annular conductivity readings and not in-tank primary & is this correct. He believed it is correct & will follow up on Monday, 3-23-07.

3-21-08 SD SDoss

0811 Sent email to J. Vogel regarding the requirements for reading during outages. I reviewed the SY-Settlement Agreement and it does not have allowances or exceptions during planned/term outages as stated in OSD-31. 3-21-08 SD I requested this be looked into as there may be another agreement I am unaware of which allows the primary in-tank readings to be

0811 Continued

0815

0830

2150

1426

Incident occurred

3-21-09 Continued S. Doss

0811 Continued missed. Request the documentation be sent to myself & the shift office. (SD)

0815 Notified by shift office the AW-A Valve pit leak detector has been having spurious failure alarms since 0635. The alarms are failure & not leak indicating the relay is bad. The leak detector is being declared ODS 3-21-09. The AW-A Valve pit drain shares a common drain pipe with the AW-B Valve pit. Feed from the 242-A Evaporator Run is valved through AW-B Valve pit. Since they both drain to a common drain pipe, the 242-A Feed transfer is being shut down.

0830 Notified J. Voogd the AW-A Valve pit is experiencing spurious leak detector failure alarms (See 0815 entry dated today). No further notifications required. (SD)

3-22-09 S. Doss

2150 Notified the AW-A Valve Pit leak detector alarmed in failure mode. Transfer from AW-102 to 242-A Evaps. Secure alpe procedure. Troubleshooting was performed and the leak detector has a bad relay. Alarm came in @ 1655 and troubleshooting & determination was completed @ 1735. The 90-day clock for repair has started. Ops does plan on issuing a work package to repair/replace failed relay or leak detector. (SD)

3-23-09 S. Doss

1426 Notified by email from J. Voogd, who forwarded email from T. Fowler on 3-23-09 @ 0757, the following JCI steam incident occurred on 3-21-09 at 0230 and @ 242-4 Evap: an investigation revealed that JCI had an MOV that was supposed to stop filling their boiler but did not during the night. Water was sent to 242-A (approx. 1000 gallons). JCI →

3-23-09 Continued S. Doss

1426 Continued corrected the problem. 242-A made notification to LERF that additional steam condensate would be coming their way. LERF indicated no problem. T. Faust received the call on 3-21-09 at 1130 from P. Treadway. It is not a normal call to Environmental On-Call per the Environmental Notification procedure. The valve that got stuck open is along the roof line and some water (? volume) may have been released to the environment. This is raw water (non-rad). Because it is a JCI valve, any water discharge 3-23-09 should have been reported through them for ST-4511. All information was recorded in the 242-A Shift Book for 3-21-09. No action for WRPS is required. SD

3-24-09 S. Doss

1100 WRPS-CNS-0900191 Notified the 241-BX-104 Breather filter failed its aerosol test at 99.94% and its dP at 3.86" wg (normal is <1.6" wg). Isolation valve is in the open position and filter is required to be replaced in 15 days. SD

1124 Sent email notification for BX-104 Breather filter 3-24-09 SD for CNS-0700191. SD

3/26/09 1315 NOTIFIED BY SHIFT THAT AW 101 PRIMARY ENRAF IS OUT OF SERVICE. ALL ANNULUS LEAK DETECTORS ARE IN SERVICE

JBC 3/30/09 0800 NOTIFIED BY SHIFT THAT 296-P-48 (JBC POR-003) SHUTDOWN AT 1800 ON 3/28/09 DUE TO A 1ST AND 2ND HEPA DP LOW AND A SPURRIOUS HIGH RAD ALARM. FIELD COUNT ON CAM FILTER PAPER FOUND NO CONTAMINATION. ISR PERFORMED AND FOUND NO CONTAMINATION OF AREA. CONTINUED PAGE 85

CONTINUED FROM PAGE 84

3/30/09 0800 — EXHAUSTER WAS RE-STARTED AT 1435 3/30/09. NO TRANSFERS GOING ON AT TIME OF SHUTDOWN. CNS # WRPS-0900192

3/30/09 1438 NOTIFIED BY LOLINDA PENN THAT AN ALARACT DEVIATION OCCURRED THAT REQUIRED NOTIFICATION TO WDOH.
PHOTO PRESENTED DURING POST JOB REVIEW OF THE 241-C-104 B PUMP PIT JOB ON MARCH 26, 2009 REVEALED SPLASHGUARD NOT STRICTLY IN ACCORDANCE WITH SECTION 2.0 LIMITATIONS/PRECAUTIONS OF ALARACT 6. THIS WAS INCONSISTENT WITH WORK INSTRUCTIONS, INTERNAL PROCEDURE ENVIRONMENTAL REQUIREMENTS STANDARD AND NORMAL WORK PRACTICES. POST JOB RADIATION AND CONTAMINATION SURVEY COC-001472 INDICATED NO CONTAMINATION OUTSIDE THE PIT CNS # WRPS-0900193

3/30/09 1522 NOTIFICATIONS 0900192, 0900193 SENT

4/1/09 1619 Notified by BO Shift Mgr that ΔP gauges on both demisters for 241-AN primary ventilation missed 3/30/09 calibration due date. Affects 296-A-44 & 296-A-45. Will perform calibration on 4/2/09. JDF

4/2/09 1113 Notified WDOH of missed calibration for ΔP gauges. CNS # WRPS-0900194. JDF

1320 Inside AN from 2 1/2 condensed water from cutting AN-102 electrical conduit. No Rad from smears or survey. JDF

Late Entry 4/1/09 2021 – Druck MTE failed "As found" calibration. (cont). JDF

Late Entry 4/1 2021 (cont)
Druck used to calibrate 296-A-42 (241-AY/AZ primary ventilation) record sampler loop AND HEME ΔPs.
Not reportable JOE

4/5/09 1500 296-A-44 record sample vacuum pump failed, per BO shift Mgr. 296-A-45 not avilible due to 241-AIV electrical power outage. No waste disturbing Activities in progress. JOE

4/6/09 0817 Planned outage for 296-A-42 and 296-A-18/296-A-19/296-A-20 for Replacement of Chiller. No primary or Annulus ventilation in AY or AZ farms JOE

1030 Notified WDOH of sample pump failure for 296-A-44. CNS WRPS-0900195. JOE

4/7/09 0740 - Followed up on 0435 call from BO shift Mgr. At 2200 4/6/09 AW-105 Zone 4 leak detector Alarmed. UT was performed earlier in day with water added to Annulus PRIMARY level steady. Not reportable. JOE

1005 - Notified by BO shift office of 241-A-104 breather filter failed Aersol test on ΔP & flow. JOE

1025 - Notified of 241-A-106 failed Aersol test on penetration 99.8% JOE

1100 WDOH notified of 241-A-104 & 105 Aersol test failures. CNS # WRPS-0900196. JOE

4/7/09 (cont)
1650 Notified by BO Shift Mgr that 296-A-105 failed aerosol test or ΔP & flow. JDS.

4/8/09 WDOH notified of A-105 Breather CNS WRPS-0900197. 0640 hours

4/9/09 1430 hrs Received call from BOSO that AW-101 primary tank Cnraf was out of service, no manual tape is available using annulus ENRAF for leak detection. notification necessary (WRPS-0900198 4/10/09)

4/9/09 1530 hrs SY A train β CAM and record sampler on SY exhauster failed. (WRPS-0900199) 4/10/09

4/10/09 1530 hrs BOSO reported that AY-102 annulus leak detector (LDT-151) is out of service. (notification WRPS-0900200)

SET 4/16/09 1530hrs, 241-AP (296-A-40 VTP) Stack CAM failed source check (3) times. Exhauster continues to operate. Work package will be prepared to make appropriate action to repair CAM — SET 4

SET 4/17/09 1430hrs 241-S-102 POR-005 exhauster shutdown on 4/16/09 at 2040hrs. — Reported by Shift Manager Rick Anderson — Unit will be left in shut down mode until 4/20/09 (Monday). CNS: WRPS-0900202 — TAW 4/23/09

SET 4/20/2009 241-AW VTP B-Train (296-A-47) 2145 ~~2245~~hrs. — Shift manager reported that the B-Train CAM calibration was successful. When the CAM functional test was performed, the CAM zeroed and shut the B-Train. However, there was a problem in the PLC software that prevented the B-Train from being started. — TAW
Notification to WDOH WRPS-0900571
Troubleshooting to occur on 4/21/09
No Rad. release

SET 4/21/09 241-C-104 296-P-48 POR-003 0915hrs. Shift manager reported that POR-003 was found shut down during Operator rounds on 4/21/2009 at 0845 hours. PLC on exhauster indicated shutdown time was 4/20/2009 at 1551 hours — TAW
No Rad Release
CNS Notification to WDOH WRPS-0900572

SET 4/21/2009 242-A Shift Manager (Dale Harrison) reported that the evaporator would be shifting the VV system on and off for maintenance testing. No Notification

SET 4/21/09 242-A Shift manager reported the evaporator fan switching was completed satisfactorily (Reported @ 1635 hr.) (No Notification)

TAW (Shift manager 242-A)
4/23/09 Dale Harrison notified that the K-1 Ventilation system @ the 242-A EVAPORATOR will be down for approximately 4 hrs; in order to trouble shoot the VFD associated with the K-5-2 fan. This notification was made @ approx 0845 hrs. No external notification is necessary.

TAW 4/23/09 @ 1130 hours Dale Harrison Shift Manager @ 242 A Evaporator notified that the K-1 Ventilation system was brought back on-line.

TAW 4/23/09 @ 1441 hrs Shift office notified that the portable exhaustor for S-102 296-P-44 was found shut down. Exhaustor was found shut down @ 0458 hours on 4/23/09 Shift office reported that this was discovered @ 0830 hrs. Notification to WDOH is required by C.O.B 4/24/09.

TAW 4/24/09 notification made to WDOH for unplanned exhaustor shutdown (296-P-44) CNS # WRPS-0900573. Notification made via e-mail @ approx. 0830 hrs.

TAW 4/24/09 @ ≈ 1340 hrs shift office notified that 296-P-44 was found shut down due to Low differential pressure across the Rest 1 HEPA. This unplanned shutdown occured @ 01:40 hrs. Notification to WDOH will be made on 4/24/09. CNS WRPS-0900574 Note the shut down was not discovered until 1318 hrs. — TAW

TAW 4/27/09 @ ≈ 1940 hrs shift office notified that the encasement leak detector AW-VPB-WT-LDE-216 located in SL-167 went into alarm @ 1750 hrs. The alarm cleared within 3 minutes but continued to come back in. The leak detector went in and out of alarm multiple times. @ 1900 hrs hpts took readings which were @ or below background. The shift office ask environmental approval to drain the encasement into AW-B p.t. Since alarm was likely due to condensate buildup as opposed to a leak from the primary line and AW-B p.t has active leak detection, environmental approved the activity. Notification of an annulus leak detector alarm is required if the alarm cannot be cleared within 4 hrs. CNS # WRPS-0900575 (notification was made 4/28) — TAW

Note this situation occurred during the transfer from 242-A to AP Farm. Transfer was shut down until Leak detector can be fixed. — TAW

TAW 4/29/09 @ 0100 hrs shift office notified that the 296-A-21 exhauster shut down briefly due to a radiation monitor failure alarm. the CAM was out of service, but record sampler remained in service. Transfer was placed in recirc without vacuum mode. Notification to WDOH will be made by close of business on 4/30. CNS # WRPS-0900581

TAW 4/29/09 @ 0600 hrs shift office notified that AW101 annulus exhaf zone 4 went into alarm on 4/28/09 @ 2202 hrs. Alarm is still engaged. Notification to Ecology is required within 24 hrs. Notification ref CNS # WRPS-0900580. Note alarm engaged because of heavy rain fall.

TAW 4/29/09 @ 0600 hrs shift office notified that the AP107 annulus exhaf Zone 2 went into alarm @ 0157 hrs. Alarm is still engaged. Notification is required to Ecology within 24 hrs. CNS # WRPS-09005. Note alarm engaged because of heavy rainfall.

TAW 4/29/09 @ 0630 hrs shift office notified that the AP101 [redacted] to AW102 transfer was secured @ 0430 hrs due to Leak detector Alarms going off. Leak detector alarms engaged due to PLC failure. Transfer from AP101 to AW102 has not been restarted. Alarms were engaged for appox 20 minutes and then cleared

TAW 4/24/09 @ approx 0931 hrs called Ecology (ERIC VanMason) to confirm that they had recieved the faxes sent on 4/28 and 4/29. ERIC said that he had recieved them. 0800

4-30-09 S. Doss

1040 Received notification from B.O. Shift Office the 296-A-18 and 296-A-19 (AY-101 & AY-102 annulus exhausters, respectively) were manually shut down at 0909 and 0905, respectively, for planned maintenance outage in Serv. No notification required. SD

5-2-09 S. Doss

1350 Notified the SY-Annulus leak detector ENRAF, #ENF-152, is reading out of range at 0.25 inches. The other annulus leak detector ENRAF's are within range and there have been no changes. A work order is being prepared to fix the ENRAF. The 90 day clock starts today & I notified Shift manager D. Highsmith. Annulus ENRAF was discovered to be out of range at 1300 from the operator rounds. No notification required. SD

5-4-09 SDoss

1500 Called Shift manager, D. Strasser, because of a page I received stating they were entering AOP-21 for unexpected shutdown of AW Primary ventilation while switching from Trains. Strasser stated the exhauster was down approximately 20 minutes before the fan was restarted. Switch was from A-Train to B-train. 1st page sent at 1423, when it would not re-start. The 2nd page stating it was restarted was @ 1502. At 1500, when I called Strasser, it was back running. Not reportable. SD

5-5-09 S. Doss

0800 Talked w/ Lucinda Pena regarding 5-4-09, 1500 entry & she confirmed it is not reportable. Talked w/ Lucinda as (b6) is out due to ill family member.

5/6/09 0930 NOTIFIED BY FLUS THAT C-110 SLURRY PUMP PIT AND AN 106 ANOGA PIT LEAK DETECTORS ARE IN ALARM. NO TRANSFERS WERE OCCURRING. RAIN WATER/ CONDENSATE SUSPECTED TO BE THE REASON.

5/6/09 1233 NOTIFIED THAT AW ANNULUS EXHAUSTERS WERE SHUTDOWN TO SUPPORT UT TESTING

5/6/09 1257 NOTICED BY FLUS THAT LEAK DETECTOR IN 106 AN ANOGA PIT HAS CLEARED

5/7/09 0840 NOTIFIED BY SHIFT THAT CRAN FUNCTION TEST WILL BE GOING ON AT AP PRIMARY EXHAUSTER

5/7/09 0956 NOTIFIED BY FLUS THAT C-110 SLURRY PUMP PIT WILL NOT BE PUMPED OF CONDENSATE/INTRUSION WATER BY 0930 TODAY TO MEET 24 HOUR LCO REQUIREMENT TO HAVE SECONDARY PUMPED. LOCK AND TAG ISSUED ON POWER SUPPLY TO SUMP PUMP.

5/7/09 1015 LEFT VOICE MAIL WITH ERIC VAN MASON (ECOLOGY) ABOUT NOT MEETING 24 HR REQUIREMENT FOR PUMPING C-110 SLURRY PUMP PIT OF WATER.

5/8/09 0830 SENT COURTESY EMAIL TO ERIC VAN MASON AND STEVE SZENDRE OF ECOLOGY ON STATUS OF C-110 SLURRY PUMP PIT

5/8/09 1015 NOTIFIED BY FLUS THAT OPERATIONS PUMPED C-110 SLURRY PUMP PIT AND THE LEAK DETECTOR CLEARED

(b6)

5/8/09 1259 SENT FOLLOW UP EMAIL TO ~~ERIC~~ RL ERIC VAN MASON & STEVE SZENDRE OF ECOLOGY INFORMING THEM C-110 SLURRY PUMP PIT HAD BEEN PUMPED

5/8/09 1340 NOTIFIED BY SHIFT THAT AY/102 ANNULUS ENRAF'S 151 & 152 WERE FOUND OUT OF THEIR NORMAL OPERATING RANGE DECLARED OUT OF SERVICE

5/17/09 0745 Authorized change to 222-S Main Annex work pkg. to allow use of power tools to remove Roofing material once Asbestos containing mat material is Removed. JDF

1413 Notified by Base Ops shift office that AW-101 tank level ENRAF is displaying ERROR Codes. All Annulus leak detection Zones ARE in service. JDF

5/18/09 0853 - Informed by Dave Carlisle that POR 3 exhausted discovered shutdown. Actual shutdown at 1439 hours 5/17/09. Investigating. JDF

0920 - Notified by Base Ops Shift Mgr. that 296-P-48 (POR 3) exhauster shut down at 1439 hours 5/17/09, due to low record sample flow. Identified at ≈ 0845 5/18/09. No indications of a release. Exhauster to be restarted. JDF

1150 - 296-P-48 Restarted at 1026 JDF

1205 - WDOH notified of 296-P-48 unplanned shut down CNS WRPS-0900583. JDF

5/18/09 (Cont)

1210 – Base Ops shift Mgr. informed of WDOH notification.

– Notified of ≈ 1-3 gallon spill of propylene glycol to concrete pad at 242-A Evap. from chiller. Being Recoved/cleaned up. MSDS 034256 JDR

1400 – Discussed with Randy Utley WDOH that 7-day decay count of AKI high volume air samples from C-104 pit jumper removal were: 0.5 DAC α 0.23 α and 0.23 α DAC for 0630-0650 0650-0710 and 0850-0910 hours sample periods on 5/8/09. Communicated due to WDOH interest in work and because readings are above normal 0.2 DAC α reporting level although well below 100 DAC α action level for notifical for this specific activity.

JDR

JAW 5/20/09 ~~nothing to report~~ JAW JAW update

AW-101 enraf found not operating 1111, returned to service 1359

JAW 5/21/09 Notification procedure is being update for RQ levels on AP-101 + AP-104. ADCA is in process for RQ #'s ~~for~~ JAW waste transfer.

JAW 1600 New 702-AZ chiller dripping glycol from fitting into bucket on cement pad. No release to soil. Operations to repair tomorrow.

JAW 5/22/09 0735 Parts and ECN for 702AZ chiller glycol leak reported to be on order and in process by Environmental Rep. (Tiffy)

5/23/09 0940 Base Ops shift office reported that
JAW transfer line in easement leak detector between 242-A and AW-B
pit was in alarm. Rad con survey of leak
detector pit indicated no dose. Leak detector in
AW-B is operable; ~~Base~~ approximately 3 feet
away. Base Ops to pursue procedure change
to use the AW-B pit leak detector as the
leak indicator for remainder of evaporator
campaign.

5/24/09 2330 Base Ops Shift Office reported
JAW that AW-101 Enraf is not functioning.
The 3 annulus leak detectors are
operating properly and will be monitored
until the Enraf can be repaired.

5/25/09 Nothing to report JAW
5/26/09 Nothing to report JAW

5-27-09 S. Doss

1524 Notified by shift office the AY-102-LDT-153
annulus leak detector (in Riser 91) is out of
service. Leak detector is showing error code readings.
Maintenance to troubleshoot tomorrow. The
2 remaining Annulus leak detectors are functioning
and reporting normal readings. Ops is expecting
to restore power to ENRAF's tomorrow to get
normal daily ~~SP~~ ENRAF Readings. Told shift
manager, D. Highan, per Environmental
Notification procedure, they have 90 days to
repair with the clock starting today. This
is not reportable per Environmental Notification
procedure. SD

5-30-09

0748 CNS-WRPS-0900584 Received call from shift manager the 296-P-48, POR03, had been manually shut down due to problems with the ~~diff~~ diesel generator that supplies power to the exhauster. After further discussion w/ shift manager, he said that a construction FWS called him as some of the construction teamsters noticed a sulfuric acid smell around the generator. Shift manager called Hopkins to investigate. Shift manager had to call Hopkins back to find out Hopkins shut down the generator @ 0610, which is when the exhauster shut down as it had no power. The ~~Shift~~ shift manager requested NCO to place POR-03 exhauster in shut-down lineups. Shut down data could not be obtained due to loss of power. See PER-2009-1028. (SB)

1100 CNS-WRPS-0900584 Called Vogel at ~1030 to get a determination on 296-P-48 shut down reported on 5-30-09. Notification will be made for unplanned shut down due to problems with diesel generator supplying power to 296-P-48. (SB)

1101 CNS-WRPS-0900584 Called Shift manager, D. Strasse, & let them know that a reportable to WDOH will be sent out for the exhauster shut down on 5-30-09. (SB)

1108 Sent notification CNS-WRPS-0900584 via email. (SB)

1335hrs. 6/6/09 CNS-WRPS-0900585 Shift manager reported the POR-3 shutdown due to diesel generator running out of fuel. Due to other alarm issues the exhauster will remain down over the weekend until troubleshooting can occur.

6/5/09 • No WDOH notification at this time. The 296-S-16 (minor) stack record sampler was found shutdown. Troubleshooting will commence Monday 6/8/09. The quarterly samples have been taken. Exhauster is operating.

6/7/09 SRT • Shift manager reported that the 241-AW-101 ENRAF (primary tank) Level indicator was out-of-service. Time reported 1153 hours.
CNS WRPS-0900586 (Ecology)

~~6/5/09~~ ~~2225 reported to~~ SRT 6/8/09

6/8/09 SRT • Shift manager reported at 1435 hours the reading from the 241-AN-102 Annulus Zone #4 Flake box could not be read. A re-try to get a reading was attempted on 6/9/2009 (Morning, to No Avail). Troubleshooting & repair of Flake Box reported to be initiated.
CNS: WRPS-0900587

6/11/09 2107 NOTIFIED BY SHIFT THAT 296-P-23 (241 SY "B" TRAIN) ~~EXH~~ EXHAUSTER SHUTDOWN DUE TO A HIGH BETA/~~GAMMA~~ ALARM. FIELD CAM ON CAM FILTER PAPER FOUND NO INDICATION OF CONTAMINATION. EXHAUSTER WILL RE-START AFTER OPERATIONS TROUBLESHOOTS.
CNS # WRPS0900588

6/12/09 1319 SENT NOTIFICATION EMAIL TO WDOH ON 296-P-23 SHUTDOWN

6/22/09 1434 Courtesy call to Ecology (Steve Szendre; Van Mason not avail, b/e) that WRPS management has directed that high Cs-137 readings from dry well 50-02-05 be evaluated using tank leak assessment process. No other information indicative of a tank leak. No retrieval being done in T-farm so dry well is not a "leak detector." Data change is significant compared to CY 2003 data for same dry well.

6/24/09 1236 Received a call from Dave Carlile - Base Ops reporting tumbleweeds obstructing access to duct work around POR-05 Excavator. Shift office contacted, due to inability to inspect system.

6-28-09 1300 Shift Office reported that air sampler at 03A (AP farm) read 5.59 DAC. Sample to be checked by Rad Con for ~~alpha~~ radon. Pit being tested for level rise.

6/29/09 1335 241-A reports that the vessel vent beta CAM failed its quarterly source check. The alarm still operates ~~on check~~ during the source check. and the record sampler is still operating. 241-A is not operating and is considered a minor stack when not operating. No notification required.

6/29/09 2150 Portable generator failed for camera and equipment monitoring AP-103 level rise. Transfer halted. Alternate power source identified. Level rise holding at 458 inches.

6-30-09 1824 Advised by Ships Office that 242-A vessel vent system is being shut down to perform maintenance and checks on CAM.

0850 CDS- WRPS- 090058

7-2-09 S. Doss

0930 Contacted by J. Voyd to see if Shift office had called me regarding the ~~SE~~ 296-r-23 SY-B-Train exhauster B-CAm failure. Shift did not call me as SY-B-Train is a minor stack & CAm is not required continuously. I called shift office & talked with shift manager to determine what the B-CAm failed. Shift manager informed me the B-CAm did not fail. What occurred was after switching to the SY-B-Train, the exhauster shut down. Operations investigated & not find a trouble light for the CAm. Ops. re-started the SY-A-Train. Later in the day (yesterday 7-1-09) the SY-B-Train was started in CAm by-pass. Shift manager is awaiting an email from ~~DOE~~ stating the ~~DOE~~ exhauster can be operated in CAm by-pass (procedure requirement for SY exh. operation). Sent email to enviro. staff for update on cause of shut down & CAm. SY-A Train was re-started quickly so no notification is required. SD

0835

0801

084

1415 CUS- WRPS- 090059

1505 Received email from J. Hamilton stating the 242-A Vessel Vent CAM was returned to service today at 1430. The 296-A-22 is fully operational. See 6-29-09, 1335 entry for detail. SD

1541 Contacted Rad Con, C. Bachand at 272-AW to find out if 241-AP-103-A pit air sample had decayed to <0.1 DAC α (see 6-28-09, 1300 entry.). Air sample was recounted this afternoon and the sample has decayed to 0.01 DAC α & <DL BY. SD

152 CUS- WRPS- 090059

7-4-09 S. Doss

0850 CUS-WRPS-0900589 Notified by Shift Office; on 7-3-09 @ 1940 the 296-A-45 (241-AN-B-Train) exhauster shut down due to transmitter failure. The 296-A-44 (AN-A-Train) exhauster was restarted @ 2025.

7-5-09 S. Doss.

0830 Notified the AZ-156 Power outage preparations are underway. The AZ-Annulus leak detectors will be on temporary power. The 241-AZ & 241-AY annulus exhausters have been secured for the outage. Courtesy email notification was sent to Steve Szendre and Eric Van Mason on 6-8-09 @ 1054 am. SD

7-6-09 S. Doss

0801 Sent email notification to WDOH for CUS-WRPS-0900589. SD

0843 After receiving AZ-outage duration, I sent an updated courtesy email notification to S. Szendre & E. Van Mason that the outage had started & would last for 2-3-weeks. SD

1415 CUS-WRPS-0900590 Notified the SY-B-Train (296-P-23) had an unplanned shut down. While powering down SY-Farm for outage, the temporary power for 296-P-23 was shutdown due to a dependent "circuit" ~~effected~~ SD 7-6-09 which was effected, and caused the unplanned shutdown. Ops is in the process of determining what dependent circuit is effecting the power. SD

1522 CUS-WRPS-0900590 Sent email notification to WDOH @ 1522 for 1415 entry dated today. SD

7-7-09 S. Doss

2125 Notified 241-AY-101 (296-A-18) Annulus Exhauster was restarted @ 2104; 241-AY-102 (296-A-19) Annulus exhauster was restarted @ 2028; Swaps from the 241-AP-A-Train Primary (296-A-40) to the B-Train @ 2023; and the 241-AW-106 Zone 2 annulus leak detector was in Alarm. UT testing was ongoing during day shift and the shift manager believes it was due to UT testing but could not confirm. I requested to be notified 7-8-09 in the am of cause. SD

7-8-09 S. Doss

0634 Notified the 241-AU-106 Zone 2 annulus leak detector alarm was due to UT testing. SD

2150 - Base Ops shift office reports that video work in 241-AP valve pit has identified liquid in pit. Sources are valve stems on waste transfer line and condensate from SL-510 encasement via drain valve. No waste transfer in progress

7/9/09

1212 - Notified by Base Ops shift mgr of unplanned shutdown of 296-P-44 exhauster at 241-S-102. Shutdown at 0940 when person bumped electrical power cabinet. Restarted at 1045. No release JOE

1426 WDOH notified of 296-P-44 shutdown & shift office informed of notification. CNS # WRPS-0900591

1520 Ecology (Eric Van Mason) informed as a courtesy of 241-AP valve pit showing evidence of past valve stem leakage and condensate in encasement for SL-510 pipeline. Eric requested short write up. Jeff Voogd will provide write up. JOE

7/12/09 1441 - Notified by Base Ops Shift Mgr that 241-AP-103 Annulus CAM failed. Not reportable JDS

7/13/09 0930 Notified by Base Ops Shift of unplanned shutdowns of 296-P-48 At 0728 And 296-P-44 At 0915. 296-P-48 shutdown due to CAM ALARM No release; no indication of high activity on CAM filter paper. No plans to restart exhauster. No cause yet for 296-P-44.

1157 Base Ops Reports that 296-P-44 shutdown apparently JDS 7/13/09 on low record sample loop flow. Restarted exhauster at 1045; no further alarms. No release

1301 WPOH notified of unplanned exhauster shutdowns. Shift office informed of notification CNS# WRPS-0900592 & 593.

7/14/09 1140 - Base Ops Shf Mgr Reports Release of Rain water from Coverblock wrapping; C-104 block stored since Jan. No Rad levels above C Farm background x 1 pint. - Not reportable Will drain Remaining liquid after work plan changed.

7/15/09 1330 AN-B exhauster shut down due CAM transmitter failure alarm. AN-B exhauster started and operating. CNS# WRPS 0900594

7/16/09 1520 241-A Corporator vessel vent exhauster down for planned maintenance

gw 7/16/09 1500

Shift office reported that POR-05 (S-102) shutdown on 7-15-09 at 1458 and was found at 838 on 7-16-09. Alarm indication was not CAM failure. Restarted and shutdown again at 1349 hours.
notification WRPS-0900595

gw 7/20/09 0945

Shift Office reported that POR-05 shutdown at 1508 on 7-19 due to CAM sample low flow
notification WRPS-0900596

gw 7/20/09 1600

Shift Office reported that AW effluent was switched from gw B to gw B train after AW-B experienced CAM low flow alarm.

gw 7/21/09 1415

Shift office advises that they will be starting up POR-03, on C-108 to perform a CAM functional test tonight.

7/22/09 0830

During review of semi annual air report Environmental identified a potential deficiency in meeting 5302 Monitoring requirements - sampling frequency. Issues were taken on 7/21/09. Notification made to WDOH for missing surveys between March and June.

7-22-09 1520hr. Shift manager made notification that the SY-B train record sampler flow is slightly below the prescribed operating range. The filter will be changed out 7/23/09
SRT Notification to WDOH not required.

7-23-09 SRT
Per email from 222-S (L. Borneman) the vacuum gauge on the 296-S-21 stack at the Lab is reading 7 mm Hg and trending out of tolerance. A facility work package will be generated.

7/27/09 SRT 0855 hrs.
Notified Ecology (Eric Van Mason) of hyd. leak in 241-AW farm from 110 ton crane. Approx. 2 gal. petroleum based fluid. CNS # WRPS-0900598

7/28/09 SRT
Received call from L. Borneman concerning the 222-S diesel driven exhauster (296-S-21). It is a major PIC II stack. The dp gauge reading across the HEPA filters began fluctuating at 10:30 am and was lost at this time. The exhauster continues to run and maintenance has 8 hours to repair the instrumentation before this situation becomes reportable. The HEPA filters were visually inspected and noted to be in good ~~shape~~ condition.

7/28/09 SRT 1235 hrs.
Received call from Shift Manager that the S-102 PORS exhauster inlet HEPA filter aerosol test is overdue. Notification to WDOH will be made on 7/29/09 prior to 1235 hrs.

7/28/09 SRT 0830 1503 hrs.
Received email from L. Borneman concerning the 222-S Lab 296-S-21 Stack. The dp sensor lines for the 222-S filter buildup have been blown out and dp readings are normal. Facility has been returned to routine lab configuration. (No Notification required)

7/28/09 1335 INLET FILTER ON 296-P-44 (POROS) WENT OVERDUE ON ITS ANNUAL AEROSOL TEST CNS# WRPS-0900599

7/29/09 0849 NOTIFIED WIDOIT ON 296-P-44 INLET FILTER AEROSOL TEST BEING OVERDUE

7/30/09 1130 NOTIFIED BY SHIFT THAT 702 AZ CAM FAILED MAINTENANCE TESTING

7/30/09 1550 702 AZ CAM PASSED MAINTENANCE TESTING AND OPS 5. BACK IN SERVICE

7/30/09 Late Entry 1300 hours Ground water monitoring program has identified a statistically significant increase in some constituents being monitored for Waste Management Area A. ORP will notify Ecology on Monday. Well showing increase is located outside of 241-C Farm on East side.

7/31/09 NOTIFIED BY SHIFT THAT AT 1537 OPERATIONS SCHEDULED AZ ANNULUS EXHAUSTER (296-A-20). AFTER ENRAF CALIBRATION WAS COMPLETED LEVEL WAS RE-TAKEN AT ~~62~~ 63.2". PREVIOUS WAS 64.7". OSD LIMIT IS 64".

1550 AY 101 ANNULUS RECORD SAMPLER FAILED OPS 5. FLOW WAS FOUND AT 102 CFM. RANGE IS 108-132 CFM.

8/4/09 NOTIFIED BY SHIFT THAT C-102 BREATHER FILTER FAILED ANNUAL AEROSOL CHALLENGE TEST AT % 99.94. VALVE IS OPEN. WRPS 0900600 CNS:

1445 NOTIFICTATON FOR C-102 BREATHER FILTER SENT TO WDOH

8/4/09 * LATE ENTRY ON 8/3/09 DOE NOTIFIED ECOLOGY OF EXCEEDING THE SPECIFIC CONDUCTIVITY TO WELL 299-E27-14.

8/14/09 1331 Notified by Base Ops Shift Mgr. of unplanned shutdown of 702-AZ exhauster (296A42) while doing maintenance on exhauster. Work sequence resulted in activation of an interlock which shutsdown exhauster.

1432 WDOH notified of 296A42 shutdown and Base Ops SM informed of notification CNS# WRPS-09000601

8/18/09 1030 Informed by L Bornemas that the 296-S-16 (219-S vessel vent) exhauster was identified as not operating at 1005 hours. No specific cause found and exhauster was restarted at 1020 hours. Based on investigation of a below range exhauster (DDR) 8/18/09 HEPA filter ΔP reading personnel identified that exhauster was not operating, although ΔP gauge was > 0. Based on rounds sheets appears exhauster shutdown between 0100 8/14/09 and 0100 8/15/09. ΔP gauge out of range low on 8/15/09 (next) ~~[illegible]~~ DDR 8/18/09

8/18/09 1030 (Cont) Question raised on why ΔP was out of range during review of rounds on 8/17/09 by system engineer. Left to discovery.

1206 WOOH notified that 296-S-16 Exhaustor discovered shutdown. 222-S FOM informed of notification CNS # WRPS-09000602.

8/22/09 SRT • Received call from BO - Shift Manager Jeff Andrews at 1405 hrs. That the 241-AP-103 Tank Level ENRAF was out of service. A request for repair of the ENRAF will be submitted 8/24/09. The Tank level MT was being used and the readings (450 inches) was consistent with ENRAF readings prior to it going O/S. The 3 annulus Leak detectors are in service and functioning. Left voicemail with J&V. Did not notify Ecology. - 90 day Clock Started.

8/22/09 SRT • Received call from BO shift manager at 1640 hrs (Jeff Andrews). The 241-AN-103 Tank ENRAF O/S. MT is functioning reading 29'1½". Repair will be requested 8/24/09. Starts 90 day Clock for repairs. Did not notify Ecology.

8/24/09 SRT Received notification from the Shift Manager the 241-AW-103 Annulus Zone 3 Leak Detector failed it's annual functional test. Placed on 90 repair clock. No Ecology Notification.

8/24/09 SRT

8/2

8/

8/

8/

9/

9/

1/29/09 Late entry: The AP103 and AN103 ENDAFS were repaired and returned to service on 8/24/09

8/26/09 Portable ethanator 03 was found at 0743 shutdown due to an oil problem on the diesel generator. The ethanator was restarted at 0900 hours. There were no waste disturbing activities occuring at the time.

8/27/09 Planned maintenance outage for AY farms - power off to level and leak detection. Cnv. Rep for DST reports that Base Ops to take level readings prior (JW 1/28) to outage. Power planned to be back within 24 hours

8/30/09 Received notification from BOSO that 84-B record sampler flow has fallen below minimum operating range. Running at 0.69 cfm. Specifications are .75-1.25 cfm. Stack CAM still operating normally. Minor staff no notification

Breather filter has been installed on Polar Tanker now stationed at AP-106. Filter valve open.

8/31/09 1635 Received input from Rad Con that contaminated air samples were identified at CR vault. Preliminary results 1.6 DAC beta 23.4 DAC alpha No void conditions met. No PCM reading on staff indicating contamination.

9/1/09 0130 Transfer started for AP-105 to AZ-101 Shift Office report that we are seeing distinct drops coming from one of the valves in AP valve pit. Per Ecology email allowed to continue, notification required.

9/1/09 9^{52} am hyd voice message on AP valve pit leak during waste Transfer to Steve Lyendre notification # WRPS-0900604

9/4/09 1310 RECEIVED CALL FROM 222 S LABS 1345
THAT WHILE CORE DRILLING OUTSIDE OF 222 S
LABS (NON-RADIOACTIVE AREA) THEY DRILLED
INTO WHAT WAS THOUGHT TO BE LEAD. 1 PERSON
SENT TO AMH FOR EVALUATION. NO ACTION 1550
TO BE TAKEN ON OUR PART.

9/5/09 1305 NOTIFIED BY SHIFT THAT TRANSFER
FROM AP FARM TO AZ WAS SECURED
DUE TO AN INOPERABLE LEAK DETECTOR.
THIS IS NOT A REPORTABLE.

9/8/09 1400 NOTIFIED BY RADCON SUPERVISOR THAT
WORKPLACE AIR SAMPLE TAKEN AT CR VAULT
ON 8/31/09 HAS DECAYED DOWN TO 1.5 DAC
BETA/GAMMA, 13.9 DAC ALPHA. THIS HAS BEEN 1538
PREVIOUSLY TO WDOH ON 8/31/09.

9/8/09 1550 NOTIFIED BY SHIFT THAT 296-P-23 (SY B
TRAIN) RECORD SAMPLER FAILED OPS 5 ON
FLOW AT .7. RECORD SAMPLER IS O/S.
MINOR STALK, NOT REPORTABLE

9-9-09 S. Doss

≃ 1300 Received call from J. Voogd for following:
J. Voogd called WDOH (J. Martell) regarding UY-302-A.
He (J. Voogd) advised J. Martell environmental is evaluating
the potential of exceeding the APQ from the UX-302-A
pumping evolution. Advised WDOH environmental would
follow-up w/WDOH once evaluation is complete. (SD) 1555

CNS
1327 Received call from sh ft office the AN-Primary WRPS-
exhauster will be taken down for a planned outage 0901469
to perform ANSI inspections. Anticipated to be
<8 hrs. (SD)

9-9-09 Cont. S. Doss

1345 Received call from shift manager the AN-Primary exhauster is back up and operational. No notification required. SD

1550 Received email from J. Voogd to log the following: The annual calibration date (8-11-09) for the 204-AR Catch Tank 1 (CT1) has been missed. The existing air compressor failed and the replacement air compressor (now on site) still needs buy off from NEC/Engineering to install. Subsequently, the weight factor instrumentation will be calibrated. Workpackage TFC-WO-09-2276, PM ID ET-00759) will calibrate weight factor inst. SD

9-10-09 S. Doss

1538 Received email from S. Tifft with the following relating to the 9-9-09 1500 entry:

Received copy of the TF-OR-ER1-01-D operations round sheets for 204-AR Tank #1 catch Tank sump. There is a daily surveillance of AR204-UT-LDA-101 catch tank sump leak detector. The leak detector is checked daily to see if it is in alarm. An alarm means there is liquid in the sump and there has not been any leak into the pit. The sump is a concrete pit that is stainless steel lined. - Note: the replacement air compressor for Tank ~~#~~ 1 has been on site for 6 months, but not enough priority to get a UL inspection to clear it for use. SD

1555 Notified by shift manager the air samples (work place): for 242-T Inspection door cutting activity had 12 & 16 DAC α. Removable contamination on the job site was 5,000 dpm/100cm² βγ & <D α. Sample off times are 10:37 & 10:56 this morning. Radcon is suspecting radon & will provide feedback tomorrow prior to 10:37 to allow notification to be made if needed. SD

CNS WRPS-0901469

9-10-09 Cont. S. Doss

1630 Notified the AP-Primary exhauster is being taken out of service to swap generators powering the exhauster. SD

2115 Notified the AP-Primary Exhauster was restarted. SD

9-11-09 S. Doss

0930 Received notification from Rad Con the 242-T WRAS CNS-0901469 decayed down to 1.6 DAC α & 0.4 DAC α (see 9-10-09, 1555 entry) however radon cannot be confirmed due to dust loading. Radon is suspected Contamination on the jobs was 5000 dpm/100cm² βγ and <1 α. Notification will be sent SD

1028 Sent email notification for 242-T WRAS CNS-WRPS-0901469. SD

9-13-09 S. Doss

1658 Received call from J. Gubanski who reported: Spurious load detector alarm @ 2224 S at Drain # 2 from 11A Hot Cell to 219-S. No activities taking place in the hot cell. Some spurious alarms were received previously in the past week. J. Gubanski was notified @ 1655. SD

9-14-09 S Doss

0950 Received call from Shift Manager the 296-P-48 (PORO3) was found shut down while operators were performing their rounds at 0930 this CNS-WRPS-0901470 morning. In review of the HMI, the exhauster shut down @ 1530 on 9-13-09 due to B-Cam failure SD

1002 Sent email notification for CNS-WRPS-0901470. SD

1130 CNS- WRPS- 0901471

1337

9-14-09 Cont. S Doss

1130 Talked w/ J. Voogd on Friday, Sept. 11, 2009 regarding
CNS- making notification to WDOH regarding the CR Vault 7-day
WRPS- Decay count being > 0.2 DAC α & > 0.2 DAC
0901471 BY J Voogd deemed notification not required.
Today during discussion J Voogd requested I
make the notification. (SB)

1337 Sent email notification for CR-Vault 8-day
decay. CNS-WRPS-0901471. (SB)

9/16/09
1930 - Notified by L Borneman of Record samples
found shutdown for 219-S-16 stack. Exhauster
Operating.

2030 - Notified by Base Ops Shift Mgr that
296-A-40 (241-AP PRIMARY) exhauster shutdown
due to loss of temp. power (generator shutdown).
No cause yet identified for generator trip.

9/17/09
1400 - BO SST Radcon reports 7-day decay
of air samples for 242-T are still above
0.2 DAC (0.23 α + 0.686 α). WDOH notified
on 9/11/09 1028. Will update WDOH JDK

1530 Notified WDOH of 296-S-16 Record Sampler
(CNS WRPS-0901472); 296-A-40 shut down
(CNS WRPS-0901473) and ~~247~~ 242-T Air sample
(CNS WRPS-0901469-R1) JDK

9/19/09 - 1548 Informed by B O Shift Mgr
that CAMs for AP PRIMARY & Annulus
exhauster did not pass Ops 5 checks
Exhausters are operating. JDK

9/20/09 - 0954 Base Ops shift manager reports that leak check of pit AN-B valve & lines identified & leaking valve packing. Test secured. JDR

9/21/09 2049 - Base Ops Shift mgr reports SY-A train (296-S-25) has bee operating since 9/19/09 without air stream heater. Elect power to heater not restored after elect outage and switchover from B-train. JDR

9/22/09 1057 - Notified by JDR of Delan Fitzpatrick - Maul of unplanned shutdown of electric fans for 296-S-21. Diesel fan auto started and is running. Not reportable. JDR

1230 Notified WDOH of operation of 296-S-25 without heater power. Heater power restored today. Shift office notified. CNS WRPS 0901474. JDR

JDR 2001 Notified by Base Ops Shift Manager that AW-101 tank level ENRAF is out of service. No manual tape. Annulus ENRAFs in service. Last tank level reading yesterday. ENRAF scheduled for work tomorrow 9/23/09. At this time TMACS not being used due to questions on calibration.

9/23/09 SRT Received call from Shift Manager that the grab air sample from the 241-AZ Valve pit was slightly above DAC .2. at 11 hr. At 1530 hr, the sample had decayed to 0.01 - Radon - No Notification

9/23/09 SRT 2000 hr.

9/23/09 SRT 2000 hr.

9/20 JAW

10/1 JAW

10/2 JAW

10/2 JAW

10/5 JAW

10/6 JAW

9/23/09 SRT 2000 hr. Shift Manager (Jeff Andrews) reported the flush of the AW101 ENRAF was complete and the ENRAF was back in service. No Notification

9/23/09 SRT 2000 hr. Shift manager reported a planned outage/ shutdown of the 702AZ building exhausters (296-A-43) to calibrate the filter TDT gauges. Calibration tentatively set for 9/25/09. Abcash shows the current record sampler was sampled in the current quarter. No Notification

9/30 JAW 1400 Shift Office reported water found in AP record sampler rotometer. Requested followup to check filter paper.

10/1 JAW 1130 Shift Office reported that AP record sampler filter paper was dry. (follow up from 10/1)

10/2 JAW 1045 Shift Office reported that AP can unable to maintain adequate flow. (No notification)

10/2 JAW 1604 Shift Office reporting sporadic alarms on 241-A building exhausters CAMs. Vacuums are sporadic. Alarms have cleared. (No notification)

10/5 JAW 1110 Duty Ops reported that water was found in AP record sampler rotometer. Engineering and maintenance to investigate cause. Requested followup on filter paper.

10/6 JAW 1109 Instrument techs reported that the 241-AP VTP rotometer was dry and operating properly. Follow up to notes on 10/2 and 10/5.

10/7 gaw 0937 Base Ops reported that AP filter paper was dry. Follow up from 10/2 + 10/5 report of moisture in rotometer.

0927 Base Ops reported that SY-103 Cnfrg is out of service. The annulus ENRAFs are operable. Call made to confirm repairs will be made within 90 days.

gaw (bgaw) 10/7/09 1058 NOTIFIED BY SHIFT THAT 296-P-44 (S-102) WAS SHUT DOWN DUE TO THE CAM FAILING ITS SOURCE CHECK

10/7/09 ~~1552~~ 1745 NOTIFIED BY SHIFT THAT 242 A ELECTRICAL OUTAGE HAS STARTED

10/8/09 1520 NOTIFIED BY SHIFT THAT 296-A-40 (241-AP PRIMARY EXHAUSTER) WAS FOUND TO BE OPERATING WITHOUT A HEATER SINCE 8/31/09. WRPS-0901475

gaw (bgaw)

10/09/09 1235 SENT NOTIFICATION E MAIL TO WDOH ON 296-A-40 HEATER BEING IN-OPERABLE. OPERATIONS SWITCHED OVER TO "A" TRAIN

10/11/09 1115 NOTIFIED BY SHIFT THAT 296-S-25 (A TRAIN) WAS FOUND SHUTDOWN ~~B~~ WITH A BROKEN FAN BELT AT 1020 296-P-23 (B TRAIN) WAS STARTED CNS# WRPS 0901476

10/11/09 2103 NOTIFIED BY SHIFT THAT 296-P-23 WAS FOUND SHUTDOWN, NO APPARENT CAUSE FOUND. EXHAUSTER WAS RE-STARTED AT 2213 CNS # WRPS 0901477

10/12/09 1501 NOTIFICATIONS SENT BY E-MAIL FOR EXHAUSTER SHUTDOWNS

10/12/09 1600 CAUSE FOR 296-7-25 EXHAUSTER SHUTDOWN WAS CAM FAILURE

10-16-09 S. Doss

1530 Notified by Shift Manager the 296-A-41 (AP-Annulus Exhauster) record Sampler is Out of Service due to a bad vacuum pump. Record Sampler has been OOS. since 10-13-09. This is a minor stack not reportable. (SA)

1830 Notified the 242-A Power Outage is complete. The following were reported to be up & running: mcs @ 1400; K1-5-2 (296-A-21) started @ 1545; and the Vessel Vent (296-A-22) IC2-5-1 & IC2-5-3 started @ 1610. (SD)

10/26/2009

1613 - Informed by S Doss that radiation survey Report needed to verify contamination level of excavated soil can not be located. Categorical Retrevial NOC requires log of contamination level of excavated soil be maintained.

1625 - Discussed with Env. mgmt if missing RSR is Reportable OR is An "I" for Annual AOP certification. No conclusion; further discussion tomorrow

10/27/2009

1530 - Env mgmt concludes missing RSR is Reportable and provides notificat details.

1613 - WDOH notified (CNS #WARPS-090478) of Missing Record (RSR) required by Categorical Retrevial NOC.

1615 - Base Ops shift office informed of WDOH notification.

gw

10/28/2009

1825 - Notified by Base Ops Shift Mgr of unplanned shutdown of 296-A-29 (CAN Annulus) at 1740 from spurious High CAM Alarm. CAM filter paper ≈ background. Restarted at 1748.

10/29/2009 0817 WDOH notified by telephone of unplanned shut down of 296-A-29. Message left for John Martell, due to service problems with computers due to power outage.

10/29/09 SRT

• 0800 hr. Shift Manager (Strosser) reported there was an electrical outage that affected 2704-HV, 2750, & 616, Computer servers were also down that affected TMACS, the DST farms were still with electrical power and field readings could still be obtained. but the 616 HVAC (Swamp Cooler) - Not regulated unit.
Did Not file a notification with State.

gw

11/3/09 SRT

1190 hr. Shift manager (Dave Strasser) reported the 241-AN annulus exhauster shutdown at 0945 hr for unknown causes. There was No contamination Less outside of the exhauster. Exhauster was restarted at 1015 hr. (½ hr. down time) Reported to WDOH (ENS WERS-090148)

gw

11/3/09 SRT

• 1530 hr. Shift manager reported that the 241-AW VTP exhausters (A & B trains) will be shutdown (planned) to transfer B-train to temp. power for the 241-AW power outage.
Notification Sent to WDOH: WRPS-090148 (

JSC (by JAW)

11/4/09 1130 NOTIFIED BY SHIFT THAT A RAW WATER LEAK WAS OBSERVED AT THE 241 AP FLUSH PIT. WATER METER READING INDICATED APPROX. 10 GALLONS OF WATER LEAKED FROM A BROKEN PIPE.

11/5/09 1210 NOTIFIED BY SHIFT THAT SY 101 ANNULUS ENRAF 9D WAS TAKEN OUT OF SERVICE DUE TO AN ERROR CODE

11/9/09 2134 NOTIFIED BY SHIFT THAT 296-A-30 (241 ANNULUS AN FARM) EXHAUSTER SHUTDOWN DUE TO A HIGH RAD ALARM. INSTRUMENTATION INDICATED A SPIKE. EXHAUSTER RE-STARTED AT 2125.
CNS: WRPS-0901482

11/10/09 0709 NOTIFICATION FOR 296-A-30 SHUTDOWN SENT OFF (CNS 0901482) JAW

JAW 11/12/09 1325 Shift Office reported that C-104 exhauster (POR-03) was found at 0915 shut down due to ~~high~~ low DP (CNS 0901483) update: the low DP

JAW 11/13/09 1125 Shift Office reported that SY annulus exhauster was shutdown due to a bad fan belt. Maintenance to be scheduled on Monday

JAW 11/15/09 0820 Shift office reported that AN annulus exhaust CAM experienced a spike and shutdown exhauster. Radcon check of filter shows no increase above background on filter paper. No DPs across HEPA filters are normal. Appears to be a problem with CAM unit.

11/15/09 1853 Shift Office reported that SY-B exhauster was found shutdown at approximately

JW 11/15/09 1853 continued
1840 hours. Shift office is preparing to enter the farm (VC2) and start SY-A train. Cause of shutdown not yet determined. 1815

JW 11/16/09 0945
Follow up on SY-B. B train restarted with CAM in by-pass. Shutdown occurred due to CAM interlock. No contamination found on filter paper. 1000

JW 11/17/09 1529 1013
Shift office reported that AW-102 annulus leak detector shows conductive path. Thank AW-102 has been going through UT evaluation with water additions/cleaning in the annulus space. Operations to move conductivity leak check to the 2 other LDE locations. 1345 CNS-WRPS 0901487

JW 11/17/09 2045
Shift office reported that AW-102 ENRAF is working on temporary power. No level change seen. 1350
SY ~~102~~ JW Annulus exhaustor belt repaired + restarted (see 11/18 ~~+ 11/10~~ JW). CNS-WRPS 0901486

11-22-09 S. Doss
1134 Notified the 296-P-23 (SY-B Train) was found shut down @ 1122 today. Shift will call back with cause of shutdown, once an entry plan is confirmed and the appropriate personnel have approved plan. SD
CNS-WRPS-85 0901458 SD

1505 296-P-23 Shut down due to high Seal pot alarm & will not clear. 296-S-25 (SY-A Train) cannot be started as it is having maintenance performed for Bearing & belt jobs. No transfers were on-going when the shut down occurred.
CNS-WRPS-85 0901458 SD

11-22-09 Cont.

1815 Notified by Shift Manager (R. Anderson) that the SY-Annulus (296-P-22) Rounds cannot be performed due to not having an operator to perform Rounds. (SH)

11-23-09

1000 Emailed Notification for 296-P-23 shutdown. CNS-WRPS-0901455. Shift office was also notified the reportable would be going out.

1013 Received SOEN email the 296-P-23 was restarted.

1345 Notified from Road Con FWS there are 3 expansion joint flanges on the C-107/C-108 Duct CNS-WRPS-0901487 work monthly smears. ① Survey point #9 is smearing 6000 dpm/100cm² βγ ξ < Δ α; Ground beneath #9 is <5,000 dpm/100cm² βγ ξ < Δ α. ② Survey point #49 is smearing 15,000 dpm/100cm² βγ ξ < Δ α; ground beneath #49 is 6000 dpm/100cm² βγ ξ < Δ α. ③ Survey point #55 is smearing 13,000 dpm/100cm² βγ ξ < Δ α; ground beneath #55 is 30,000 dpm/100cm² βγ ξ < Δ α.

1350 Received email from S. Tifft for the following CNS-WRPS-0901486 notification to be made to WDOE, today @ 1350: ~~The 241-AW tank zone~~ SO The 241-AW-103, zone 3 annulus leak detector was reported WDOE on 8-23-09. The primary tank liquid level & DRAF measurement & the remaining 2 annulus leak detectors have been in service since that date. The 90 day repair period for the zone 3 leak detector ended on 11-22-09. The zone 3 leak detection system was repaired prior to 11-22-09, but the 241-AW-farm was undergoing an electrical outage & could not be function tested prior to 11-22-09. Electrical service to AW-farm is scheduled to be returned to service 11-23-09 & the leak detector will be function tested after power is restored. There have been no

11-23-09 cont.

1350 cont. indications of leaks into the annulus during the Zone 3 ~~at~~ leak detector being OOS. (GD) — 11-27-09 0840 JAW

1501 Sent email notification for CNS.WRPS-0901487 (GD)

11-24-09

1445 Notified by shift power has been brought up to AW-Farm and the AW-103 Zone 3 leak detector failed again for a different reason. ~~ISD~~ The flake box is broken and needs repaired. The other annulus leak detectors are functioning and the primary tank level indicators are functioning. — 1000 JAW — 11-29-09 1630

2120 JAW Shift Office reported that AW-102 zone 2 annulus leak detector went into alarm. Suspected alarm due to UT testing. Will check in the morning to determine if alarm has cleared. Notification calls for clear within 4 hours. — 11-30-09 8 50

11-25-09 0600 Shift Office reported that AW-102 zone 2 annulus leak detector alarm has cleared.

Follow up entry to 11-24-09, 1445:
Sherm Tifft called Steve Szendre (Ecology) at approximately 4PM on 11-24-09 to advise that AW-103 annulus leak detector was still out of service, but for different reason. — 12-1-09

At approximately ~~4PM~~ 4PM 11-24-09 Sherm Tifft advised Steve Szendre (Ecology) that AN leak detection system (annulus) would be down and we would use periodic checks. — 12-1-09 — 12-1-09 1110

11-27-09 0840 jaw — Received a call from 222-S that power was lost to ~~222-S~~ 296-S-23 stack at approx. 0200 hrs. Restarted at 0830. Notification WRPS-0901488

Tank Farms shift office reports that SY pressurization alarm found on at 0830. Investigation under way.

1000 jaw — Both the B train and annulus exhausters were found shutdown. Both restarted. Notifications WRPS - 0901489 + 0901490

11-27-09 1630 — Tank Farm shift office reported that AN tank farm cut power to annulus leak detectors at 1300 hrs to enable C farm electrical cable evaluation. Beginning alternate evaluation of annulus leak check.

11-30-09 8^{50} — Power fluctuation with BPA created shutdown of AN-B train exhauster, AW-B train exhauster and SY-B train exhauster. Annulus leak check in AN farm interrupted due to Vapor Control Zone in AN farm due to loss of exhauster. Notifications: 0901491, 0901492, 0901206, 0901208 to Ecology

12-1-09 — AN-B train was restarted at 12^{03} 11-30-09
AW-B train was restarted at 12^{20} 11-30-09
SY switched to SY-A at 10^{49} 11-30-09
Annulus leak detectors read at 11^{25} 11-30-09

12-1-09 — AN annulus exhauster found shutdown at 2115, 11/30. Restarted. Notification: 0901207.

12-1-09 1110 — Shift Office reported that AN Annulus ~~CAM~~ exhauster shutdown due to CAM interlock. Check of CAM indicates a ~~spurious~~ CAM problem. Annulus exhauster went down at 10^{45} restarted at 1110. Notification 0901208

12-1-

0830 Encasement leak detector in ~~AN pit~~ failed no alarm in AN-pit. Transfer shutdown no notification

12/2/09 SRT • Shift manager reported the 241-AP leak detector in annulus Zone 4 (Flake Box) was o/s due to flake box being broken. 90-day clock started. Did not notify WDOE. See work package TFC-WO-09-47714 All other Annulus L.D.s and primary tank level indicators are operating

12/3/09 SRT • Shift manager notified that clear liquid was leaking from COB #3 (under excavation for COB removal). Based on process knowledge and RadCon surveillance it was determined that the liquid was water. Ecology was not notified at this time.

12/6/09 SRT 2230 hrs. Shift manager reported 241-AN VTP Stacks 296-A-44 & 296-A-45 shutdown due to a failed SWAMS interlock card failure. No radiological or contamination found outside the vent System. Notified WDOH, et al Via CAS: WRPS-0901209 (12/7/09)

12/7/09 SRT 1000 hrs. • Shift manager reported the POR-3 (C-104) exhauster was shutdown at 0940 hrs. Instrumentation showed exhauster shutdown 12/6/09 at 2349 hr. No radiological or contamination spread. Shutdown on High Seal pot alarm. Suspect freezen problem. WDOH WRPS-091210

12/11/09 1030 NOTIFIED BY SHIFT THAT THE 241 AP PRIMARY (296-A-40) EXHAUSTER RECORD SAMPLER LINE HAD CONDENSATE IN IT. SAMPLER TAKEN OUT OF SERVICE. THIS IS A MINOR SPILL AND NON-REPORTABLE

12/16/09 0930 NOTIFIED BY SHIFT THAT 241-AN PRIMARY EXHAUSTER (296-A-44) DID NOT PASS OPS 5 DUE TO CAM HAVING Ø FLOW AND RECORD SAMPLER AT .05 FLOW. OPERATIONS IS TROUBLESHOOTING.

JAW 12/16/09 1420
Shift office reported AN record sampler + CAM are back in service. Breaker found tripped. Breaker reset, systems working.

JAW 12/18/09 1400
Received a copy of Rad Survey Report # COO 666153 which showed contamination at flange #55 for the C-108/109 exhauster duct work. Phone call made to Base Ops shift office confirmed the report.

JAW 12/21/09 1039
Annulus leak detectors in alarm ≥ 4 hours: AN-101 zone 4, AP-103, SY-103 (152) (Cap of out of range). Shift office reports others are also in alarm but less than 4 hours. Made phone call to Steve Szendre (phone message) to discuss notification (one or multiple). Notification # 0901214 for AN-101 + AP-103. SY-103 not report.

JAW 12/21/09 1040
Received call for 222-S shift office regarding P-9 pump at 219-S alarm notification WRPS - 0901213

12/21/09 1245
AP and AN annulus leak detectors alarms have cleared and are no longer in alarm 1035 Cont.

12-26-09 S. Doss
0842 Notified by shift that the 296-A-45, AN-B Train Primary Exhauster has a failed vacuum pump. The vacuum pump runs with the CAm & Record Sampler. The 096-A-44, AN-A-Train Primary cannot be started as it also has a failed vacuum pump. No transfers were being performed. Failed vacuum pump discovered @ 0830 today. SD
CNS-WRPS-0901215 0930 Late Entry 0745

12-28-09 S Doss
0800 Called Shift manager (Strausser) & let him know I will be sending Reportable on the 12-26-09, AN-B Train failed Vac pump.

0813 Sent email notification for 12-26-09 AN-B-Train Vac. Failure. CNS: WRPS-0901215

1630 Notified by Shift manager the 296-A-45, AN-B Train primary exhaust, was Restarted @ approximately 1500, the OPS-5 reperformed, & Confirmed @ 1530. At approximately 1600, the vacuum pump breaker failed and the Record and CAm are inoperational.
CNS-WRPS-0901216

12-29-09 S Doss
0932 Sent notification via email to WDOH for the 296-A-45 ~~SD~~ vacuum pump failure on 12-26-09 @ 1600 (See 12-28-09, 1630 entry).
CNS-WRPS-0901216 0821

1035 Notified by shift manager the 296-A-45 record sampler & CAm were restarted @ 1005. The OPS-5 was performed 0834

12-29-09 Cont. S. Dess

1035 Cont. and confirmed operational @ 1025. Shift manager had been instructed to shut down 296-A-45 if the monitoring system is ~~the~~ inoperational.

12-30-09 S. Dess

0730 Shift manager left a voice mail that @ 0644 the 296-A-~~45~~ 42, 702-A-7 Exhauster had an unplanned shut down. Exhauster was restarted in <1 min. CNS-WRPS-0901217.

Late Entry

0715 Additional information regarding the loss of the vacuum pump at 296-A-45. The exhauster ran with no monitoring capabilities from 12-26-09 through 12-29-09, when the sampling system was restarted on 12-29-09 @ 1005 (see entry from 12-27-09 @ 1035). ~~0715~~ The interpretation of the 72-hour repair time in RPP-16922, was incorrect. The exhauster, per WAC, was to be shut down due to the lack of a monitoring system and the 72-hours is the amount of time the exhauster can be shut down to perform repairs. At 0850, the shift manager was instructed to shut down the exhauster due to operating it outside of the License. At 1000, the shift manager was called to get the shut down time for the 296-A-45 and it had not been performed. A PER is being generated for the 72-hour mis-interpretation & the importance of the shift manager to follow direction provided by the on-call person.

0841 Notified shift ~~the~~ the notification for 0730 entry, 702-A exhauster ~~is~~ will be made.

0834 Sent notification for 296-A-42, CNS-WRPS-0901217.

12-30-09 Cont. S. Ross

Late entry
0830 Notified by shift that @ 0740, the 296-A-45, AN-B Train primary exhauster was found to have a failed vacuum pump. The exhauster was secured @ 0805. CNS-WRPS-0901218. SD

0923 Sent email notification to WDOH for the 296-A-45 SD failed vacuum pump (see 0830 entry). CNS-WRPS-0901218. SD

Late Entry
0857 Sent out revised notification for CNS-WRPS-0901217, unplanned shut down of 296-A-42 (702-AZ exhauster). In the 1st notification I put exhauster 296-A-43, instead of A-42. The correction was made and re sent as a Rev. 1 to ~~296-A~~ SD WRPS-0901217. SD

0935 When notified of the 296-A-45 failed vacuum pump (see 0830 entry dated today), the shift manager was informed the 72 hour clock to repair and restart the exhauster had begun. The shift manager said "what 72-hours, there is no 72 hours it doesn't exist." My response was the 72 hours we discussed yesterday that was being mis-interpreted & the clarification received from WDOH that we have 72 hours to repair & restart the exhauster. His response was "Or What." I stated I did not know what he meant. Shift manager stated that he was not going to log in the 72 hours & refused to acknowledge the 72 hours for repair. I reminded him again that the exhauster needed to be repaired & restarted within the 72 hours. ~~Ag~~ SD Again the response was "or what" and "what are they (WDOH) going to do if I don't get it repaired. I told him I did not know what the ~~reprotus~~ SD repercussions would be.

0935 cont.

12-30-09 cont. SJass

0935 cont. Again the shift manager would not acknowledge the requirement to repair the exhaustes & again told me he was not going to log it and as far as he is concerned there is no 72 hours & they will repair the exhausters when they can. Notified P. Peistrup of attitude & decision of Shift manager. (SA)

1250 Discussed with Phil Peistrup if Environmental is going to REQUIRE REPAIR And Restart of exhauster/sampling system within 72-hours of failure for major stacks. At this time the answer is No. As WDOH HAS provided verbal guidance of what 72 hours means And Approved NOC's do not discuss exhauster operation other than intermittent. Meeting with WDOH next week should clarify this And other points. JDS.

12/31/2009

0819 - Notified by Base Ops shift mgr. that 241-AW-102 Zone 3 annulus leak detector alarmed. UT testing in annulus in progress is apparent cause; no tank level decrease. No Report JDS

0940 - Notified by Base Ops shift mgr that operator found P011-005 at S-102 shutdown. Shutdown at 0418 on high vacuum due to frozen inlet filter. No plan at this time to restart exhauster.

2010

1/7/2010
SRT

1/1/2010

1530 - BO Shift Mgr Reports AW-101 tank level CARAT is not reporting to TMACS nor is it readble in field. No manual tape Available. All Annulus leak detectors operable; increasing # of times they are checked per day. JRE

1/4/2010

1600 - BO shift mgr report AP-106 Zone 4 leak detector in alarm > 4 hours; heavy RAIN occuring throughout day. JRE

1/7/2010
SRT

1/5/2010 - 0700 Check with BO AP-106 Zone 4 leak detector cleared @ 1730 on 1/4/10 JRE

1/6/2010 SRT • 1640 hr. Shift Manager (BO) reported the 241-AW VTP A-Train Record Sampler/CAM vacuum pumps were out of service at 1550 hr. The B-Train was started at 1610 hrs. Ventilation was restored to the AW primary tanks. No contamination spread detected and No waste transfers ongoing during the brief Ventilation outage WDOH Notified, See WRPS-1000057

1/4/2010
1/8/2010
SRT

1/7/2010 2250hr - Shift manager reported the PORB exhauster (~~296-B-42, 241-C-108/104~~ being changed out SRT) (C-104) CAM sample paper was out in CAM by-pass. When the CAM was put in by-pass the exhauster shutdown at 2242 hr. At 2251 hr. the PORB was restarted CNS WRPS-1000058 to WDOH

1/11/2010
SRT

1/7/2010 SRT 2251 hours, Shift manager reported the water skid located outside 241-C farm that supported the C-104 pump start-up was found leaking water to the ground (approximately 25 gallons). This is less than the 60 gallon incidental discharge. The leak was secured and no further water leaked to the ground. Did not make notification to Ecology.

1/7/2010 SRT 1330 hr. Report from 242-A manager (Dave Gilles) - Radiological contamination was found on the evaporator room floor during a scheduled entry into the evaporator room for other work activities. Since identifying and cleaning up the contamination on the floor that had dripped from Valve HV-CA1-9, the crew immediately left the room and reported the anomaly. No permit requirements were violated - Did not make notification to Ecology.

1/4/2010 Courtesy Notification made 1/4/2010 to Ecol. by James Hamilton

1/8/2010 SRT 1040hr. Shiftmanager reported the 241-AN-01A pit Leak detector alarmed and cleared when the pit drain seal was opened. Suspect rain water and/or leakage from the AN01A Back flow Preventer (part of C-104 Retrieval installation).
Did Not report to Ecology

1/11/2010 SRT 0958 hours - Base Ops Shift manager reported the 241-AW VTP A-Train and B-Train sampling Vacuum pumps were out of service and as a result, the 296-A-46 & 296-A-47 exhausters were secured. Repair activities were begun immediately due to the pending waste

(continued on next page)

1/11/2010 transfer from 241-AW-106 to 241-AW-102.
SRS Note: AW farm personnel were contacted
(Continuation) and the exhauster (B-train shutdown
and A-Train was previously shutdown
Notification made to WDOH
WRPS-1000059

1/12/10 1430 NOTIFIED BY SHIFT THAT 241-C-103
BREATHER FILTER FAILED ITS CHALLENGE TEST
ON DIFFERENTIAL PRESSURE. CNS# WRPS 1000060

1552 NOTIFICATION EMAIL SENT

1/15/10 1215 NOTIFIED BY SHIFT THAT THE RAD SURVEYS
(MONTHLY) FOR S-302 BREATHER FILTER WERE
MISSED FOR THE MONTHS OF OCTOBER AND
DECEMBER FOR 2009. UPON DISCOVERY A SURVEY
WAS IMMEDIATELY PERFORMED AND RESULTS SHOWED
LESS THAN DETECTABLE. CNS: WRPS 1000061

DURING WEEKLY RAD SURVEYS THE FLANGE CONNECTION
FOR C-108/109 DUCT WORK WAS FOUND TO HAVE
30,000 DPM/100 cm² BETA-GAMMA & 120 DPM/100 cm²
ALPHA. CNS: WRPS 1000062

1420 NOTIFIED SY ANNULUS EXHAF 152 IS O/S

1426 NOTIFICATION EMAILS SENT FOR CNS
NUMBERS WRPS 1000061, 62

1/18/10 1039 NOTIFIED BY SHIFT THAT 296-S-25 AND
296-P-22 (SY PRIMARY AND ANNULUS) EXHAUSTERS
WERE FOUND SHUTDOWN. POWER SURGE IS THOUGHT
TO BE CAUSE FOR SHUTDOWN. S-25 RE-STARTED
AT 1030, P-22 RE-STARTED AT 1037
CNS: WRPS-1000063

1/18/10 1400 NOTIFIED BY SHIFT THAT 296-P-44 (S-102) EXHAUSTER WAS FOUND SHUTDOWN AT 1350. POWER SURGE THOUGHT TO BE CAUSE FOR SHUTDOWN. EXHAUSTER WAS UNABLE TO RE-START. INCLUDED THIS SHUTDOWN ON NOTIFICATION WITH SY EXHAUSTERS CNS: WRPS 1000063.

1500 NOTIFICATION E-MAIL SENT FOR S AND SY EXHAUSTER SHUTDOWNS

* 1/17/10 1149 LATE ENTRY. NOTIFIED BY SHIFT THAT AY 102 ANNULUS LDT 151 IS OUT OF SERVICE. OUT OF RANGE.

JAW 1/20/10 1435 Notified by TF Shift Office that AN-104 Cnraf is out of service. The 3 annulus leak detectors are currently working. No evidence of leaks. Facility manager is currently working on a package to flush the detector. Repair anticipated within 90 days. Not reported.

JAW 1/21/10 0715 During confirmation 2009 ~~Annual~~ Semi annual Air Report identified that smear samples ER-311 ~~S-302~~ had not been performed for FY09. Performed required confirmatory measurement on 1/21/10. Survey results were not above background. Survey task descriptions are being reviewed to assure specifically identify environmentally required periodic confirmatory measurements, especially where the emission unit is not within a tank farm.
CNS: WRPS-1000064

1/25/10 1230 Base Ops Shift Office reported SY-103 annulus leak detector (Cnraf) to be out of service (#152). Repair anticipated w/in 90 days. Not reported.

1/26/10 1530 Base Ops shift office reported that AW-103 annulus inlet HEPA filter failed its aerosol test. The annulus system has no potential source term, per our stack designation document. Not reportable.

1-27-2010 S. Doss

CNS-WRPS-100065 1635 Notification sent to WDOH for missed sampling of 296-A-43, 702-AZ Building Exhaust. While validating the Semi-annual ADP for the 2nd half of calender year 2009, it was identified that record samples were not collected during the 2009 calenda as required in the FFOI License ~~to~~ to take 4 week sample/year. The record Samples was not operable for calendar year 2009 due to a failed vacuum pump and ventilation controller failure. The exhaust ran for most of the 2009 calendar year. The stack HEPA filters were confirmed to have passed their aerosol test on 4-22-09. PER WRPS-2010-0207 was written to address this issue.

Feb 4 2010

1932 - Informed by 222-S FOM that 296-S-21 Record sAmple loop is out of service for calibration. WDOH previously informed of planned work; out of service time < 8 hours. L Boeheman advised WDOH of plans at 0835 today. Lab on Restricted Access; no work that possibly creates contamination in air.

2333 - 222/S FOM reports 296-S-21 Record sample calibration work finished However, sample flow rate is just above minimum range with Roto Meter at Almost full open. Rad Con HPT reports flow switch bypass is sounding →

much louder than normal. As system is in range Env considers it operable. FOM can take lab off restriction RE Rad work. JDE

2/5/2010 0835

Base Ops shift manager reports that crystalized waste has been identified on Nozzle E in pit AW-02 during work activity. Appears Nozzle to jumper connection has had some leakage during past transfers. Not reportable based on current information. JDE

2/7/2010

0845 - Base Ops shift mgr called to confirm that Env was aware of 2/5/2010 POR8 shutdown during startup. Pressure transmitter interlock caused shutdown as soon as POR 08 was started; Also is the reportable. Had not called; does not appear to be reportable as POR 08 has been out of service for extended period and this event occurred during evolutions to make exhauster operable. JDE

1000 - Told Base Ops after review of notification procedure POR 08 shut down is not reportable - system is not operational.

- Base Ops shift mgr advised Annulus CAM for AZ-101 is out of service-failed vacuum pump. Not reportable. JDE

2/9/2010

0940 - 242-A OE reports planned shutdown of vessel vent for replacement of record sample loop timer. JDE

2/9/2010 (cont)

1348 - 242-A OE reports vessel vent back in service; track off reading 147.8 track on set at zero. JWS

2018 - Base Ops shift mgr reports AN-B train primary exhauster Record sample line contains water. B train Already shutdown. Found during ANSI 13.1 quarterly inspection. JWS

2/10/10 1245

gaw Received e-mail from Engineering & Facility Manager on water found in record sampler flex hose. ANSI inspection is being modified to drain the water. Sample system AN-B not currently on line.

4/17/2010 SRT (Release) 1335hr

2/11/10 0230

gaw Base Operations Shift Office reported that the AP-B train HEPA filters passed the aerosol test today. AP still running on A train.

4/17/2010 SRT

2/13/10 0945

gaw Base Ops shift office report that investigative surveys of the water truck nozzle and wetted area east of 5-SX farm ~~that not~~ gaw indicate only background readings. Approx 1000 gallons had been dispersed by a water truck that was suspected to be contaminated.

4/17/2010 SRT

gaw 2/15/10 0935

Base Ops shift office requested approval to operate POR-08 exhauster for approx 3 minutes to test control logic software

changes to the shutdown (delta pressure) logic. Exhauster will not currently operate long enough to complete aerosol tests. Aerosol test of HEPA filter is planned to follow after ability to operate the exhauster is established.

2-16-10 Additional information on water from Radiological Controlled Vehicle (see 2/13 entry). ~~PER~~ E mail sent by James Rolph. Clean water was used. It is not evident RADCon approved the release of water outside 54 farm.
PER 2010-0336

1/17/2010 SRT (Delane) 1335hr • 222-S Lab had a drill concerning a 55 gallon drum that had fallen from a truck and burst open. The material was dry with radiological components above the published RQ values.

1/17/2010 SRT • Shift manager reported the 241-AN annulus VTA A-Train tripped off - cause unknown. The B-Train is continuing to operate. Typically both trains operate together but current configuration is to have one train ventilating all 7 tanks.
Maintenance called to troubleshoot. There was no contamination lost to environment.
CNS WRPS-1000066

1/17/2010 SRT • 2225hr. Shift manager reported that AW-104 annulus zones 2&3 leak detectors were annunciating. Tank UT was being performed that requires water in the annulus as part of the UT process.
Did not make notification to the State (Ecology)

2/18/2010 SRT 11:45 222-S facility operations manager (FOM) reported the 296-S-21 stack would be going down for approx. ½ hour for planned maintenance. Repairs were completed within 30 minutes and exhauster back on line.
Jeff Voogd made a courtesy telecon to WDOH prior to stack shutdown.

2/18/2010 SRT Shift OE reported the A4102 VTA would be down for re-tensioning of fan belts. Exhauster system was down for about 30 minutes for planned maintenance. Did not make WDOH Notification. 0845

2/21/2010 SRT 1430 Shift Manager (Base Ops) reported the 242-A V.V. had a planned shutdown due to system software upgrades. Facility was in shut down mode. 1045
CNS: WRPS-1000067 (Notif. to WDOH)

2/23/2010 SRT 1525 hr. Shift manager reported the 296-A-22 Vessel Vent went down due to EBIMS software upgrades. This is part of the work that was entered in this log on 2/21/2010. Planned maintenance. 1615
Did not Notify WDOH on this event. CNS-WRPS-0000070
C 3/4/10

2/25/2010 1130 NOTIFIED BY SHIFT THAT 296-A-29 241 AN PRIMARY EXHAUSTER SHUTDOWN DUE TO A LOW DP ACROSS 1ST STAGE HEPA FILTERS. EXHAUSTER WAS RE-STARTED AT 1212. CNS: WRPS 1000068 1630

1650

2 SBC 3/4/10
2/26/2010 0928 SENT NOTIFICATION EMAIL FOR 241-AN PRIMARY EXHAUSTER SHUTDOWN.

2 SBC 3/4/10
2/26/2010 FSCO NOTIFIED BY SHIFT THAT 296-P-47 (POR 08) SHUTDOWN DUE TO A HIGH SEAL POT LEVEL ALARM. CNS: WRPS-1000069

2/28/2010 2237 SENT NOTIFICATION EMAIL ON 296-P-47 SHUTDOWN

3-3-10 S. Hoss

0855 Notified the AW-105 Primary Leak surface level rounds were not taken on 2-28-10. The readings were taken on 2-27-10 and 03-01-10 and were normal (within range). No notification is required. (SH)

1045 Notified the 222-S Labs, Sump #9 was in alarm and pumped out 3-2-10. Work is currently being performed on Sump #9. Also, Sump #6 has rainwater intrusion & is sporadically alarming. The Sump has been pumped. 3-3-10 No notifications are required for either Sump 6 or Sump 9. (SH)

1615 Notified the 241-SW-151 Breather filter failed its DP & flow test on 2-23-10. CNS-WRPS-1000070 The Flow was 46 cfm & the DP was 2.6 in. w.g. (SH)

1630 Notified Shift Manager (Dave Strausser) of the notification being prepared for SW-151 Breather filter (see 1615 entry dated today). (SH)

1650 Sent email notification for CNS-WRPS-1000070, SW-151 Breather filter.

3-4-10 S. Doss

1114 Notified by J. Schofield the moisture data logging for C-10R will not be performed the week of 3-1-10 through 3-7-10. This is due to a concern raised over radiological monitoring requirements for the ^{241}Am-Be neutron source used for moisture logging. The concern is not expected to be resolved immediately. The moisture logging is being rescheduled for next week. SD
CNS: WRPS-1000071

1502

1146 Notified Shift T would be sending a reportable notification, via email, to WDOE regarding 1114 entry dated today. CNS: WRPS-1000071 SD

1130

1150 Left voice mail on cell & office phone of Steve Szendre regarding 1114 entry dated today. CNS: WRPS-1000071. SD

1231 Sent email notification for C-10R moisture logging (see entry ~~dated~~ of 1114, dated today). CNS: WRPS-1000071 SD

1410

3-5-10 S. Doss

1355 Received notification from Kurt Lawing the 7-day decay of the COB 7 work place air sample is reading 0.3 ~~0.5~~ DAC ∝. BF is ∠0.2 DAC. The work was performed on Feb. 26th, 2010. Contamination in the glove bag was 8,000 dpm/100cm² BF & ∠70 dpm/100cm² ∝. Welding was taking place during the job evolution. Initial reading of work place air sample was 8 DAC ∝, this decayed to 0.3 DAC ∝ in 24 hrs. Radon is suspected. Will receive an updated count on Monday. I will report at that time. CNS: WRPS-1000072. SD

1850

1939

3-5-10 Cont. S. Doss

1502 Received call from Shift manager to notify me of the 7-day decay count of the C013 7 work place air sample. Told the Shift manager this was reportable to WDOH & I would report it Monday when I receive further count room data. Told Shift manager I would notify Shift office prior to sending notification Monday. CNS: WRPS-1000032. SD

3-7-10 SD S. Doss

1130 Notified the B-111 Breather filter failed its aerosol test @ 99.7 %. I informed the shift manager they have 15 days to change it out. Informed Shift manager this is reportable & I would make notifications to WDOH on Monday. I told him I would call the Shift manager prior to sending notification. CNS: WRPS-1000033

1410 Notified by Shift the 241-AW-104 Zone 3 leak detector cannot be read as the site glass is to dirty. Zone 2 & Zone 4 are at the proper height & not in alarm. A work package is being requested to clean site glass.

1850 Notified by shift the 296-A-44, AN-Primary A-Train was ~~inda~~ SD 3-7-10 inadvertently shut down @ 1836. Pre-requisite were being performed for CAM Functional testing when exhaust was shut down - unplanned. Notified Shift Manager this would be reportable to WDOH & that I will call them prior to sending out the notification. CNS: WRPS-1000034

1939 Notified the 296-A-15, AN-B-Train Primary was restarted. SD

3-8-10 S. Doss

0830 Notified by Kurt Lowing the COB 7 a.m. Sample decayed down to 0.29 DAC ∝ as of this morning. See 3-5-10, 1355 entry. This will be reported to WDOH. SD

1515

1520

0930 Contact Shift & told them I would be sending out reports (notifications) to WDOH for the COB #7 elevated W.P.A.S (See 3-5-10, 1355 entry); B-111 failed breather filter aerosol test (See 3-7-10, 1130 entry); and unplanned shut down of 296-A-44 (See 3-7-10, 1850 entry). SD

0958 Sent email notification to WDOH for COB #7 elevated W.P.A.S. CNS: WRPS-1000072. SD

1630

1015 Sent email notification to WDOH for B-111 Breather filter aerosol test failure. CNS: WRPS-1000073. SD

1024 Sent email notification to WDOH for unplanned shut down SD 3rd of 296-A-44 (AN-A-Train primary Exhauster) CNS: WRPS-1000074 SD

3-9-10 S. Doss

0615 Notified the 296-A-30 (AN-Annulus Exh.) Stack Record Loop Calibration was not completed satisfactorially. The timer is inoperable and the Record Sampler Flow Switch is stuck. SD

1100 Notified the 242-A Ventilation (K-1 & Vessel Vent) 296-A-21 & 296-A-22 along with the K-2 Supply fan at 0905, 1010, and 0932 respectively. This is a planned maintenance shut down. 3-9-10 SD Exhausters are anticipated being restarted later today. SD

3-9-10 Cont. S. Doss

1515 Notified the 296-A-21 (K-1) and the K-2 Supply fans at 242-A were restarted @ 1509. The 296-A-22 (Vessel Vent) was restarted @ 1509. SD

1520 Briefed by J. Voogd & J. Gubenski regarding the 296-A-30 (see 0615 entry dated today). The AN-Annulus Stack Record Loop Cal was due on 6-1-09. Work has been on-going to repair the system. Per J. Gubenski, the Record Sampler Flow Switch is not required nor is the timer. Per J. Gubenski ABCASH data SD has been performed this quarter & appears to be correct. Per J. Voogd & J. Gubenski, this is not reportable to WDOH. SD

1630 Contacted Shift Manager (C. Walgren) & let him know the 296-A-30 (see 0615 & 1520 entries dated today) is not reportable to WDOH. SD

3-10-10 1050

JAW 242-A staff (Phil Treadway) contacted Shelly Doss to advise the A-22 Vessel Vent exhauster experienced an unplanned shutdown at 0900 hours. The shutdown occurred during an upgrade to the 242-A control system. Exhauster was restarted at 1040. There was no tank waste in the evaporator at the time. CNS: WRPS-1000075

JAW 2200 Base Ops Shift Office advised that ~~AN-A~~ AW-A train exhauster CAM failed source check. Switching to B train exhauster. (see continuation below) JAW 3-11

JAW 3-11-10 082 Field staff to put AW-A train into bypass to check CAM response.

JAW 1000 Cam check for AW-A passed. Using correct source for checking response. Incorrect source used on 3-10.

3-13-10 1000
244-S Alarm for high sump level. The DCRT level is holding constant. Air compressor is failing for dip tubes. Work package TFC-WD-10-0991 developed to replace the air compressor

3-13 (1000)
Panel alarm for S-304 sump pit leak detector

3-13-10 2100
Panel alarm for S-304 sump pit leak detector has cleared.

3-14-10 1245
Base Ops Shift Office reports that S-304 sump pit leak detector was back in alarm at 0830.

SY-101 Annulus leak detector #153 is out of range. 90 day clock (SY Settlement) is in effect.

3-15-10 1500
Base Operations reported that inspection videos of A-350 show that internal configuration is not consistent with routing board. Engineering has not yet started investigation of source.

3-15 2155
Base Ops reported 702-A2 building exhauster flow monitor was found faulty during PMs.

3/18/2010
1330 - Informed by S. Doss that 3 Rad Survey Reports for C-104 work under NOC can not be located. Gave S Doss CNS # WRPS - 1000075 for report to WDOH JOK

3/18/2010 (cont)

1438 - S Doss Notified WDOH of missing Records Required by C-104 NOC. Shift office also notified. (CNS # WRPS - 1000075) JDP

1745 - Notified by WRPS Shift Office that por #08 (296-P-47) had an unplanned shutdown due to Δp alarm. No indication of a release. Plan is to Replace 1st stage HEPA & Pre filter, based on email for JR G this weekend. (CNS # WRPS - 1000076) JDP

2336 - Notified by WRPS Shift Office of several out of range or cannot be obtained due to SY power outage:
SY tank pressures.
SY B train ventilation Cabinet
SY B train glycol pump off & in Alarm
SY B inlet temp out of range
Stack ΔTemp is out of range
Stack Air temp is out of range
271 - SY panel checks (Alarms) JDP

3/20/2010 1020 - Notified by WRPS Shift Office that 241-BX-104 breathe filter failed Aerosol testing & Δp/flow testing. Will be replaced within 15 day limit. (CNS # WRPS - 1000077)

3/22/2010 0730 - Informed WRPS Shift Office of impending WDOH Notifications JDP

0748 - WDOH Notified of unplanned shut down of 296-P-47 (1745 3/18/10 entry) CNS # WRPS-1000076 AND BX-104 failed breather filter test CNS # WRPS - 1000077. JDP

3/23/2010 - 0913 S. Tifft reports that open Rounds for 3/18/2010 indicate SY-103 annulus leak detector readings were not taken. SY farm in electrical outage with Annulus leak detectors on temp. power Ops investigating why Readings not recorded. Jok

1400 - S. Tifft made courtesy call to WDOH Regarding SY-B train (296-P-23) heater apparently not working. Exh on temp power for elec outage; Rounds sheet indicate glycol pump is "off" Ops investigating. Exhausters Running. Jok

2323 - Notified by WRPS Basic Ops shift Mgr of failed vacuum pump for 296-A-21; 242-A Evap. building exhausters. Exhausters is Running & can continue operation. Jok

3/24/2010.

0723 - Notified shift office of pending WDOH notification for 296-A-21 VACUUM pump failure. Jok

0748 - WDOH notified of failed Record SAmple VACUUM pump for 296-A-21. CNS # WRPS-1000078. Jok

3/24/2010 - Reviewed ENV. Log and assumed on-call responsibilities for Week of 3/24 thru 3/30 SR Tifft.

3/24/2010 1045hr. SRT

3/24/10. SRT 1500hr

8/24/10 1501hr

8/25/2010 SRT 2320hr.

8/30/2010 SRT

3/24/2010 SM reported that the 292-A Vessel Vent
1045hr. shut down for 11 minuted during a
planned system test. Exhauster started
immediately after test.
Not reportable – No contamination
spread involved.

3/24/10. SM reported the 241-SY VTP B-Train CAM
SRT and record sampler air flows were
1520hr unsat (Low). Exh. continues to operate.
PER-2010-0775 written
Per Notification Procedure – Not reported
to State.

8/24/10 SM reported the 241-AW VTP stack
1500hr CAM was reading high air flow
(2.62 vs 2.1). The record
sampler was within range. Facility
manage was notified and requested to
generate Work packag to resolve
anomaly
Per Notification Procedure – Not reported
to State

8/25/2010 • SM reported POR-008 pre-filter
SRT differential pressure was alarming at
2320hr. 1.6 inches – The max. pressure is 1.7 inches.
The HEPA filters dp were within range.
The Exhauster continues to operate – No
radiological issues.
Did Not Notify WDOH Yes

8/30/2010 • SM reported the 241-AW VTA (296-A-28) will
SRT be down after the AW-104 UT is complete
due to the inlet damper controller being out
of service. No waste disturbing activities
during exhauster being down.
WDOH Notified WRPS-1000079

4/1/10 1423 NOTIFIED THAT 219 S HAD A WASTE PACKAGE (RAD) OPEN AND SPILL ITS CONTENTS TO THE GROUND OUTSIDE OF 219 S. PACKAGE ~~WAS~~ CONTAINED "RADSORB". NO DETECTABLE CONTAMINATION WAS FOUND DURING / AFTER CLEAN-UP. THIS WAS NON-REPORTABLE

4/2/10 1048 222-S EXPERIENCED TEMPORARY POWER LOSS THAT SHUTDOWN THE RECORD SAMPLING SYSTEM ON 296-S-21. EXHAUSTER 296-S-16 SHUTDOWN AS WELL. BOTH ARE REPORTABLE
296-S-16: CNS# WRPS 1000080
296-S-21: CNS# WRPS 1000081

4/2/10 1145 NOTIFIED BY SHIFT THAT 296-P-23 (241-SY "B") SHUTDOWN DUE TO A POWER SPIKE. THIS IS REPORTABLE CNS# WRPS 1000706

4/2/10 1408 296-P-23 WAS RE-STARTED

4/3/10 1139 NOTIFIED BY SHIFT THAT 104 A AND 105 A BREATHER FILTERS FAILED THEIR ANNUAL AEROSOL TESTS. THIS IS REPORTABLE.
104 A CNS# WRPS 1000707
105 A CNS# WRPS 1000708

4/4/10 1537 NOTIFIED BY SHIFT THAT THE VACUM PUMP ON 296-A-21 (242 EVAPORATOR) RECORD SAMPLER FAILED. THIS IS NOT REPORTABLE BECAUSE IT IS A MINOR STACK.

4/5/10 1515 SENT E MAIL NOTIFICATIONS TO WDOH. NUMBERS ARE WRPS 1000080, 1000081, 1000706 1000707, 1000708.

4/6/10 NOTIFIED THAT 296-A-21 RECORD SAMPLER VACUM PUMP HAS BEEN REPLACED

4/6/10 2315 NOTIFIED BY SHIFT THAT THE LIGHT PLANT SUPPLYING POWER TO SY 101, 102, 103 ANNULUS ENRAFS WAS FOUND SHUTDOWN AND WAS UNABLE TO RE-START. WILL REPAIR ~~IN~~ 4/7/10 DAYS

4-7-10 S. Hess

1600 CHS-WRPS-1000209 Received call from Shift office and the temporary power for SY-101, 102, & 103 annulus leak detectors ~~will~~ cannot be restarted. ~~They~~ 4-7-10 SH The 24 hour clock for taking the Annulus ENRAF reading is 1613. Informed Shift this would be reportable to WDOE. SR

2002 Notified by shift manager at 195? power was restored to SY-101, 102, 103 Annulus ENRAF's. Readings were taken and all were within normal range. SR

4-8-10 S. Hess

0950 Notified Shift manager the notification to WDOE for missing the 24-hr ENRAF readings at SY is being issued. SR

0957 Sent Email notification for CHG WRPS-1000209. SH

1245 SOEU page went out & the 296-A-42 (241-AY/AZ primary ventilation shut down after swapping from A-Train to B-Train. The exhauster shut down

4-8-10 Cont. S. Doss

1245 Cont. at 1019 and the B-Train was restarted at 1025. Notified shift manager this is a reportable to WDOH. CUS-WRPS-1000710

1300 Sent email notification for 296-A-42, CUS-WRPS-1000710. SD

1500 Notified by shift manager the power boards are not working on 7 of the 9 Annulus ENRAF's for SY-101, 102, & 103 are not working. SY-101 & 102 each have one operable ENRAF. Instructed Shift manager to get one of the ENRAF's on SY-102 working to give us a data point for each tank while working to correct the power boards with the remaining ~~SD~~ ENRAF's. This does not satisfy the WDOE requirements, however, One ~~4-9-10~~ SD data point on each tank is good operating practice. The last good readings were taken @ 0730, this morning. Informed shift that if the ENRAF's are not working by 0730, 4-9-10, it would be reportable to WDOE and ask they keep me posted on the progress. SD

4-9-10 S. Doss

0730 Notified that all ENRAF's are working on the SY-101, 102, & 103 Annulus. Power board issue was corrected. This is not reportable as the 24-hr ~~SD~~ 4-9-10 hour requirement was met.

0810 Received SOEN page the 296-A-44 (AN-A-Train Primary Exhauster) shut down @ 0333 this CUS-WRPS - morning (04-09-10). Called Shift manager who 1000711 confirmed & stated ~~it was~~ 4-9-10 the B-Train (296-A-45) was restarted @ 0412. Informed Shift manager this is reportable to WDOH. SD

0843 CUS-WRPS-1000711.

1127 CUS-WRPS-1000712

B52

1353

1403

1434

1655 CUS-WRPS 1000713

1700

4-9-10 Cont. S. Doss

0843 Sent email notification for unplanned shut down of CUS-WRPS-1000711. 296-A-44 due to CAM Transmitter failure. SD

1127 Notified by Shift manager that on 4-6-10, 600,000 CUS-WRPS-1000712 dpm/100 cm² BK and <20 dpm/100 cm² α was found on the flat vertical surface of the exhauster on the sealing surface of the lower portion of the filter door. PER-2010-0895 was written on this issue. RSR # WTO-17631 has the survey results. SD

1352 Notified Shift manager the email notification to WDOH will be sent shortly for 1127 entry - dated today. SD

1353 The exhauster in the 1127 entry is the 296-P-23 (241-SY-B-Train Primary exhauster). SD

1403 Sent email notification to WDOH for contamination at 296-P-23. CUS-WRPS-1000712 1000712. SD

1434 Notified the 241-AW-102, Zone 4 Annulus leak detector reading cannot be taken as it is in a posted ARA for AW02 pit work. The other Annulus leak detectors are operating and within normal range. SD

4-10-10 S. Doss

1655 Notified the 296-A-40 (241-AP Primary Exh.) CUS-WRPS-1000713 CAM calibration expired. Discovered today. A work order has been scheduled to re-calibrate 4-11-10.

1700 Notified Shift Manager (R. Anderson) the 296-A-40 CAM calibration expiration will be reported to WDOH on Monday 4-12-10. SD

4-10-10 Cont. S. Dass

1840 Notified the 296-A-42 (241-AY/AZ Tank Exhauster -702-AZ) went into alarm with a stack sample system (primary) low flow alarm. The alarm had cleared ~~4-10-10~~ when they went out to investigate. System operating normally. Not reportable to WDOH. (SD) 2131

0745

2050 Notified the 296-A-42 (241-AY/AZ Tank Primary Exhauster) CAM failed due to no flow through the CAM. This occurred @ 2020. Told the shift office I would ~~4-10-10 SD~~ investigate if the exhauster had to be shut down, as I am not certain if an agreement had been negotiated w/WDOH regarding the "72-hrs" of exhauster operation w/o a compliant sampling system. (SD) 0919

CUS-WRPS-1000714

~~4-10-10 SD~~

~~2100~~

2054 ~~4-10-10 SD~~ Called J. Voogd and confirmed the exhauster must be shut down if the sampling system is not compliant. There is a standing order in place for this as well. (SD)

CUS-WRPS-1000714

2100 Called shift manager and told him the 296-A-42 would need to be secured as it does not have a compliant sampling system and WDOH does not recognize the 72-hours of running w/o a compliant system. Informed shift of the standing order. They looked it up and verified the exhauster would need to be shut down. Requested I be called when system was shut down so I can record the time as this is reportable to WDOH. Shift agreed to call me. (SD) 1450

CUS-WRPS-1000715

4-10-10 Cont. S. Doss

2121 Called shift office to verify time exhauster was shut down, as the SOEN page was already sent. I was told the exhauster - 296-A-42 - 241-AY/AZ Primary Tank Exhauster. was shut down at 2110. (SA)

4-11-10 S. Doss

0745 Notified the SY-101, 102, & 103 annulus ENRAF's are OOS. The light plant suppling power had the GFCI trip. Unsure when the last reading was from TMACS Shift was notified @ 0742. Will need further information of time down to determine if it has been down for 24 ~~hrs~~ 4-11-10 hours. (SA)

0919 Notified the 296-A-18 (241-AY-101 Annulus Exh) CAM has a high Rad alarm. The tank level is normal and the annulus ENRAF is at the proper height and not in alarm. 4-11-10 SA Radon is suspected as it does build up in the Annulus when the 702-AY/AZ Primary Exh. is down. I requested they change the air sample and perform a radon decay of the sample.

1450 Shift office notified me of the following:
① AY-101 Annulus CAM Filter paper was exchanged and the exhauster shut down @ 1028, today, 4-11-10. (296-A-18).
② 296-A-40 (241-AP-Primary Tank Exh.) was inadvertently
CUS-WRPS- Shut down while performing CAM change/Calibration
1000715 ~~Ind~~ 4-11-10 SA Inadvertant shut down occurred @ 1136. Informed shift this would be reported to WDOH, monday 4-12-10 & I would call before sending notification. CAM Functional check and successful calibration performed. 296-A-40 restarted @ 1328.

4-11-10 Cont. S Doss

1450 Cont.

③ While performing rounds, the 241-AW-102 Annulus Ventilation Inlet filter is covered w/plastic. On 4-7-10, it was closed. Assuming it is for pit work being performed at AW-102. This was discovered @ 1318. SD

④ The 241-A 4-11-10 SD SY-101, 102, & 103 EnRAF's had power restored and returned to service @ 1234. This is not reportable to WDOE as is was regain before 24 hours.

4-12-10 S. Doss

0855 Notified shift office I would be sending Reportables to WDOH for ① 296-A-40 (AP-Pri exhauster CAM calibration expiring (CNS-WRPS-1000712) ② 296-A-42 (AY/AZ Primary Tank Exh.) being shut down due to no flow through CAM (CNS-WRPS-1000 ③ 296-A-40 (AP-Primary) inadvertent shut down during CAM change/calibration (CNS-WRPS-1000715).

0902 Sent email notification for 296-A-40 CAM Calibration expiration. CNS-WRPS-1000713. SD

0910 Sent email notification for 296-A-42 non-com sampling system. CNS-WRPS-1000714. SD

0918 Sent email notificatio for 296-A-40 inadvertent shut down. CNS-WRPS-1000715. SD

1425 CNS-WRPS-1000717

0952 Received data from RadCon regarding the AY-101 Annulus Exh. CAM from 4-11-10 @ 0919. The sample has decayed to <0.2 DAC βγ and is @ 0.28 DAC 2 for the 24-hour decay. The sample results are indicative of Radon. SD

4-12-10 Cont. S. Doss

1503 Received notification from shift the 296-P-47 (POR-008 @ C-111) had an unplanned shutdown
CNS-WRPS- due to high dp across the 1ST HEPA Filter.
1000716 Radiological Survey was performed and the results indicated no contamination spread. The exhauster shut down @ ~~1505~~ 30 4-12-10 1330. I told shift manager (@ 1505) this would be reportable to WDOH & a notification would be sent in the next 30 min.

1507 Sent email notification for CNS-WRPS-1000716, Unplanned 296-P-47 shutdown. (SD)

1508 Additional information for 1503 entry dated today. The HEPA filter will be replaced prior to re-starting 296-P-47, per the shift manager. (SD)

4-13-10 S. Doss

0910 Notified by Scott Conrad that at the east end of the 2704-HV parking lot (on the asphault) a private vehicle leaked ~1 gallon of diesel from a leaky fuel filter. Nothing went to the soil. The spill is being cleaned up. (SD) (See Spill log) (SD)

0922 Notified by shift the AY-101 Annulus Exh. CAM, from 4-11-10 @ 0919 entry, has decayed down to 0.07 DAC α. The results are radon and is not reportable to WDOH. (SD)

1425 Notified by shift manager the 296-P-47
CNS-WRPS- (POR-008) Duct work has removable
1000717 contamination of 10,000 dpm/100 cm² βγ, <200 dpm/100 cm² alpha at Survey point #55. The Soil under ~~the~~ 4-13-10 Survey point #55 is 20,000 dpm/100cm² βγ and <100 dpm/100 cm² α. Told shift this is reportable & I will make the notification tomorrow & call prior to sending it out. (SD)

4-14-10 S. Doss

0825 Notified Shift I will send CNS-WRPS-1000717 for the duct work @ 396-P-17. (See 4-13-10 entry @ 1425). SD

0837 Sent email notification for CNS-WRPS-1000717. EN

4/17 1440 Shift Office report that POR08 passed its aerosol test at 12 pm and is currently running. POR03 also passed its aerosol test and then was shut down. gw

4/18 1155 Shift Office reported that S-101, S-104 S-107 + S-110 all passed their aerosol tests. S-104 failed DP test. Others are OK. Advised Shift Office that filter must be replaced within 15 days. Test readings 1.77" w.g. for S-104 ~~(1.6/1.77 = 0.9)~~ gw
Minimum DP / actual DP = 1.6/1.77 = 0.9

4-19 1300 Advised by Shift Office that 242-A Evap will be taking the vessel vent exhauster down for planned software upgrade today. There is no waste in the system. gw

4-20 0820 Advised by Shift Office that 242-A Evap vessel vent will be shut down today. Did not happen yesterday. gw

CNS WRPS

1100 Shift office advised that there is a liquid in the trough/sump below 702-AZ filter housing (A-train). ~~in the~~ gw Awaiting further information on volume and nature. gw

2130 AN annulus exhauster is being taken out of service for maintenance activities. gw

4/21/2010 0745 - Base Operation Shift Office/242 Evap advises of planned shut down of vessel vent (296-A-22) for maintenance JDS

10:30 - Base Ops / 242-A advises Vessel Vent Returned to service. JDS

4/22/2010 1443 - Informed by S Conrad of skin contamination of construction worker at 241-C Farm. No indications of AIR pathway spread. Farm Surveys to be performed on swing shift. JDS

4/23/2010 0715 - Farm survey completed at 241-C with no contamination found per morning call amongst mgrs. Critique scheduled for monday. No indications of Air pathway release.
1140 - AY 102 Annulus LP "152 out of range low.

4/23/2010 1311 - Notified by Base Ops Shift Mgr of unplanned loss of both vessel vent (296-A-22) & building exhaust (296-A-21) while performing electrical line-up / maintenance at 242-A diesel gen. ~~DS~~ 4/23/10 JDS; SM told this will be a notification
1453 - Base Ops confirms both exh. UP.
CNS WRPS-1000718 1509 - WDOH notified of unplanned exhausten shutdowns at 242-A Evap. & both exhaustens are operating
Late Addition 1453 - Base Ops informed of WDOH notification to be sent in a few minutes

4/24/2010 - Base Ops Shift Mgr Reports JDS that SY exhauster HMI is not displaying readings so OPS-05 Rounds note sampler & CAM As Out of Service. Agreed exhauster CAM continue to operate Minor Stack.

4/29/2010 SRT — 0515hr. Shift manager reported that during the pressure testing of the SL-167 line from the 242-A evaporator to 241-AW the rupture disk in the 242-A pump room jumper burst and filled the pump room sump to the high-high alarm. The test was terminated and recovery Actions were initiated. No loss of contamination control. Did not send Notification the STATE, unless waste is ~~Not~~ removed from sump in 24 hours.

4/29/2010 SRT — Info from Booher - Re: 4/22/2010 1443 hrs. = for future reference, when there is a skin contamination, WDOH would prefer to be "advised" of the incident. An official notification may not be necessary as long as the contamination does not affect a possible air passage way (internal dose).

4/30/2010 SRT 0850 hr. — SM reported that 241-AP-106 annulus Zone 3 leak detector has failed due to a broken wire. Advised SM the LD is on the 90 day clock to repair. Requested a work Request be initiated. Not reported to Ecology

5/3/2010 SRT — Reference 4/30/2010 entry; CM package TFC-WO-10-1787 has been issued to repair broken wire on the AP-106 FLUKE BOX Zone 3

5/3/2010 SRT — [illegible]

5/4/2010 SRT — [illegible]

SC — [illegible]

SC — [illegible]

5/3/2010 SRT SM reported the 241-AP annulus exhauster had an unplanned shutdown (296-A-41) during evening rounds. Exhauster was restarted (2 minutes).
WDOH Notification CNS: WRPS-1000719

5/4/2010 SRT SM reported the 241-C farm POR-3 (296-P-48) was found shutdown at 0830 hr. Maintenance has been requested to restart the exhauster.
WDOH Notification CNS: WRPS-1000720

SC 5/6/10 1135 NOTIFIED BY SHIFT THAT 296-P-48 (POR 03) SHUTDOWN DUE TO HEATER AIR TEMP LOW.
CNS: WRPS 1000721

1410 SENT NOTIFICATION EMAIL ON POR 03 SHUTDOWN TO HEALTH

2130 NOTIFIED BY SHIFT THAT ~~ALL~~ SRC 241 AN ANNULUS EXHAUSTERS WERE SHUTDOWN. INLET FILTERS ON EXHAUSTER EXPIRED SRC AEROSOL TESTS AT MIDNIGHT.

SC 5/7/10 1215 NOTIFIED BY SHIFT THAT 241 AP 108 ZONE III LEAK DETECTOR WAS TAKEN OUT OF SERVICE BECAUSE OF A BROKEN GROUNDING STRAP

5/8/10 1100 NOTIFIED BY SHIFT THAT AW ANNULUS, 296-A-28 HEATER IS NOT WORKING. PER NOTIFICATION PROCEDURE HEATER IS NOT REQUIRED FOR EXHAUSTER OPERATION. (REQUIRED EQUIPMENT LIST)

SS 5/8/10 1100 NOTIFIED BY SHIFT THAT AZ 102 HAS HAD A 7" LEVEL INCREASE SINCE 5/6/10. THOUGHT TO BE A MALFUNCTIONING ENRAF. DAVE BARNES NOTIFIED AS WELL.

SS 5/10/10 1300 NOTIFIED BY SHIFT THAT AW 106 WT-LDE-190 AND AW 06A-WT-LDE-196 LEAK DETECTORS FAILED FUNCTIONAL TESTS

2138 NOTIFIED BY SHIFT THAT 701-A AIR COMPRESSOR FOUND SHUTDOWN DUE TO AN ATF LINE LEAK. 2 QTS OF ATF FLUID TO ASPHALT, DRIP PAN WAS NOT LEVEL. ABSORBENT PADS ADDED AND CLEANED UP. THIS IS NOT REPORTABLE.

05/13/10 JTH 1741 hrs ~~N~~ Notified by Dale Higham with a question for the Environmental On Call; "Have we been notified and are there any notifications necessary to outside agencies with regards to the 204-AR Fact Finding?" Refer to WRPS-PER-2010-1265 Instructed Dale Higham of Shift Office that I would query ECO Jeff Voogd as to the current pathforward and outcome of 204-AR fact finding on Monday, May 17th and get back with him after that time.

05/17/10 JTH

05/15/10 JTH 0810 hrs & 0848 hrs Notified by Base Operations Shift Office Manager, Rajiv Malhan that 702-AZ primary exhauster (i.e. 296-A-42) B-CAM in alarm due to malfunction. Operations has initiated process to shutdown exhauster. Follow up phone call was to provide additional

05/15/10 JTH con't:

information as to the cause. The B-CAM was in alarm due to High-Inlet temperature which caused a divert. The high inlet exhaust flow is being caused by non-operating chillers. Exhausters secured 0915. Informed Rajiv Malhan that this would be a notification to the state. Notification to take place by COB of next ~~[illegible]~~ business day, per requirement listed in Table 2-1 of RPP-16922.
Subject of Report: Designated (major) Emission Unit
Reporting Trigger/When: Unplanned Exhauster Outage
Bypass of emission control equipment
By COB the next business day
[WAC 246-247]

CNS #: WRPS-1000722 sent via email on 05/17/10

1450 hrs Notified by Base Operations Shift Office Manager Rajiv Malhan that 702-AZ exhauster was restarted after completing repairs to chiller at 1440 hrs. All alarms cleared and operating normally.

05/15/10

1644 hrs Notified by ~~Ope~~ Base Operations Shift Office Manager Rajiv Malhan of alarm panel lamps found burned out at 204-AR. Refer to WRPS-PER-2010-1278 for additional information.
Not Reportable per discussion with ECO on 05/15/10

05/17/10 JTH 0734 hrs Notified by Base Operations Shift Office Manager Brian Johnson of the following:
(1) AW-103-WST-PDIT-230 is out of service there are 2 operable PDITs that remain and they are functioning normally and within range. Not Reportable based upon review of drawings to confirm PDIT location and discussion with Environmental Field Representative, Sherm Tifft.
Refer to WRPS-PER-2010-1291
(2) Made Environmental On-Call aware of email concerning 241-AN Primary Ventilation De-Entrainer

05/17/10 JTH cont'd

Differential Pressure AN 241-VTP-PDIT-152
Seal Pot SP-178 level indicator AN241-VTP-LI-178
MCS readings for these instruments have failed.
Field readings were obtained and are within specified ranges.
Not Reportable based upon ability to capture field readings.

(3) 241-AZ Annulus exhauster found shut down during operational rounds on 05/14/10, @ 2032 hrs. Exhauster was returned to service @ 2042 hrs on 05/14/10 and was operating normally. (296-A-20) 05/18/10 JTH
Reportable per Section 4.5 of the Environmental Notification procedure.
CNS #: WRPS-1000723 sent via email to WDOH, et. al., on 05/17/10.

0935 hrs AW A-Train Primary experienced an unplanned shutdown. Matt Cuthers from Base Operations Shift Office notified Environmental On-Call and operations is investigating the cause.
AW A-Train Primary ventilation was restored at 1025 hrs on 05/17/10 and was operating normally.
Reportable per Section 4.5 of the Environmental Notification procedure.
CNS #: WRPS-1000724 sent via email to WDOH, et. al... on 05/17/10.

1430 hrs Notified by Brian Johnson of Base Operations Shift Office of WRPS-PER-2010-1295 concerning a review conducted of operator rounds. The review identified AZ-101 Leak Detector WFI-121 as reading below normal @ 0.27", for the week of 05/10/10.
Not Reportable confirmed via discussion with ECO on 05/15/10.

05/17/10 JTH C

05/17/10 cont'd
JTH 1724 hrs: The three notifications to WDOH today were discussed with Matt Cuttler; and Brian Johnson of the Base Operations Shift Office prior to sending via email. This statement is applicable to the following:
CNS #: WRPS-1000722 time sent WDOH 1017 05/17/10
WRPS-1000723 " " " 1019 05/17/10
WRPS-1000724 " " " 1615 05/17/10

05/18/10 0640hrs Additional information obtained during the
JTH Daily Report meeting concerning the entry made on 05/17/10 at 0935 hrs in this record/notification log. This concerns the unplanned shutdown of AN A-Train Primary shutdown and CNS #: WRPS-1000724. The cause of the inadvertant shut down was a result of overfilling the seal pot for the actively operating A-Train. An operator performing routine checks saw that the seal pot for B-Train was below its minimum level. In the process of doing so the operator valved in the wrong seal pot to be filled. When the A-train seal pot hit the high limit it triggered an automatic shutdown of the ventilation system.

Dave Gilles notified those in attendance that the evaporator completed the mode switch from "shutdown" to "operate" at 05/15/10 2237 hrs on 05/17/10.

1030 hrs Notified by Kyle Beaulaurier of Base Operations Shift Office that AZ 102 primary tank ENRAF is now "Out of Service". The equipment (i.e. ENRAF is being tracked on the TSR/Environmental Equipment Out of Service list. Follow on discussion with David Strasser confirmed there is a manual tape available to maintain the

05/18/10 JTH

cont'd

minimum required to satisfy SY-Settlement Agreement conditions.

~~Not Reportable~~ 05/18/10 See Entry 05/18/10 FMS

1100 hrs Meet with ECO to discuss series of PERS: WRPS-PER-2010-1265
WRPS-PER-2010-1278
WRPS-PER-2010-1291
WRPS-PER-2010-1295.

#1265: ECO aware of situation and no further action required in the way of notification to outside agencies. See Environmental Notification entry made 05/13/10 at 1741 hrs. Followed up with Dale Highman 05/18/10.

#1278: Discussed and no further action required. See Environmental Notification entry made 05/15/10 at 1644 hrs.

#1291: Discussed and no further action required. Leave entry for 05/17/10 at 0734 hrs as is.

#1295: Discussed and no further action required. See Environmental Notification entry made 05/17/10 at 1430 hrs.

1340 hrs Informed by Rob Dunn that a note was on desk concerning inability to perform required PM for cathodic protection rectifier in SY Farm due to extended power outage. SY241-CATH-RECT-101 PM ID# ET-08184 PM will be performed as soon as power is restored to SY-Farm. PM due date was 05/15/10. Copied note and took to Base Operations Shift Office and gave to Dave Strasser to make the shift manager aware if he was not already.

05/18/10 JTH

05/19/10 JTH

05/19/10 cont'd
JTH 1715 hrs Visited with Dale Harrison at the Base Operations Shift Office to confirm status of level instrumentation for AZ-102. Dale confirmed that the ENRAF was out-of-service and manual tape was not available as well. Therefore based upon the SY-Agreement we have 90-days to restore primary tank level measurement or a notification to Ecology would be required.

05/19/10 0648 hrs Confirmed status of AZ-102 primary tank
JTH level instrumentation by speaking with Rocky Rocks. Informed that Dave Moser controls TSR/ Environmental Equipment list in order to update the "Required By Date/ Driver" column.

0738 hrs Received phone call from Dave Strasser Shift Manager Base Operations asking for clarification and documentation concerning:
(1) AN Annulus Stack loop calibrations have to be performed in addition the inlet HEPA filters for the annulus require testing. How should operations proceed?
(2) Operations requesting documentation for the 4-hour time limit imposed by direction received by Shelly Oos and the entry placed into the Shift Manager's Log.
Committed to Dave Strasser that I would inform the ECO, Jeff Voogd and ask for direction.

0748 hrs Spoke with Jeff Voogd with regards to question for documentation concerning question posed by Shift Manager, Dave Strasser.

AS

0805 hrs Shawn Tifft and I visited Shift Manager's Office to provide feedback concerning

05/19/10 JTH

cont'd

questions asked by Shift Manager.
Spoke with Dave Strasser and provided the following direction:

(1) AN Annulus logo calibrations shall be completed prior to performing aerosol on annulus inlet HEPA filters. Receiving behind decision provided by Shern Tifft, Environmental Field Representative for AN facility; the loop calibrations are required permit conditions. The annulus inlet HEPA filters are not required by Environmental as they are Balance of Plant.

(2) Informed Dave Strasser that I had spoken with Jeff Vogel, ECO and that Jeff was going to look into the question posed by Shift Operations (see entry 0730 hrs on 05/19/10).

(3) After discussion with Dave Moser concerning the AZ102 ENRAF (see entries made 0648 05/19/10, 1715, 1030 hrs on 05/13/10), an entry was to be made by Shift Manager into log that the 90-day clock was to start on the AZ 102 ENRAF repair on 05/06/10 (see entry in Environmental Notification log on 05/08/10).

0932 hrs: Conducted review of any further actions required by me with regards to AZ 102 ENRAF. Reviewed Section 4.7 of the notification procedure and the SY-Settlement Agreement. No additional notifications to outside agencies required at this time.

0956 hrs: This entry being made to capture an earlier conversation had with Shern Tifft and Stephen Metzger. Emphasis on the continued spill cleanup from the diesel generator north of AP Farm (see Spill Notification log date 05/12/10 at 0907 hrs), has been lost.

05/19/10 JTH

1050

2250

1414

1420

CWS-
WRPS-
1000725

05/19/10 cont'd
JTH Stephen Metzger took action to get cleanup that had been started on the day of discovery completed as soon as possible.

1005 hrs Turnover to Shelly Boss the on-coming Environmental - On-Call. James T. Hamilton
05/19/10

5-19-10 S Boss

1050 Notified the 241-SX-114 and 241-SX-112 axial radial filters were exchanged with new axial radial filters. The old filters are staged for sampling in the 272-S Camera decon Facility. SB

2250 Notified the AW-103-WST-PDIT-230 is not reading and is O.O.S. A work order is being generated to repair. Shift office to track until repairs are completed. SBoss

5-20-10 S. Boss

1414 Notified the 244-AR Vault control room area (inside building) SB 5-20-10 has water on the floor due to rain received last night. The roof is a known to leak during rain/snow/etc. This is not reportable.

1420 Received call from shift office for direction on
CWS- the 296-A-28, 241-AW-B-Train Annulus Exhauster
W2PS- heater being Out of Service. Environmental on-call
1000725 was notified on 5-8-10, when the B-Train was started, the heater was not working. Due to an error in the notification procedure SB 5-20-10 an oversite by the On-Call person, the B-Train was allowed to continue operation.

5-20-10 Cont. S.Doss

1420 entry cont. The heater is required ~~abatenet~~ SD 5-20-10 abatement equipment. (SD) 2000

1450 Notified Shift Manager, D. Higham, the CNS-WRPS-1000725 296-A-28, 241-AW-Annulus B-Train would need to be shut down as the heater is not operational and is required abatement equipment. I also informed them this is reportable to WDOH and a notification would be going out soon. Shift manager confirmed the 296-A-~~Train~~ SD 5-20-10 28 A-Train was running. (SD)

1522 Sent ~~he~~ SD 5-20-10 notification for OOS heater on the 296-A-28-B-Train CNS-WRPS-1000725. (SD) 2040

5-21-10 S.Doss

1125 Notified by FWS, Mike Hardesty, 6 radial Breather filters were replaced (annual replacement) in C-Farm. All isolation valves were verified to be in the open position per Mr. Hardesty. (SD)

1430 Received call from shift manager verifying the AZ-102 primary level ENRAF is OOS. and is it OK to allow 90 days to repair as this (the ENRAF) is the only primary level device. The manual tape is contaminated and cannot be used. I reviewed the SY-Settlement agreement & Spoke with J. Voogd. The 90-day clock ~~is~~ SD 5-21-10 to repair is correct. ~~TSP~~ SD 5-21-10 I reiterated to the Shift Manager, it (AZ-102 Primary Tank ENRAF) is on the 90-day clock to repair. See 5-19-10 entry @ 0805 for further details (SD) 1555

5-22-10 S. Doss

2000 Notified by Shift Manager, J. Andrews, at 1955 the power operator notified him the 204-AR Air Compressor has tripped and is off. They are unable to get night shift readings on the catch tank leak detector. The sump leak detector is not in alarm. Day shift readings were obtained on the catch tank leak detector and reading was normal. The sump leak detector was also checked this morning and is not in alarm. The sump leak detector is currently working and not in alarm. SD

2040 Call Shift manager, J. Andrews, and told him the 204-AR catch tank leak detector-air compressor is 5-23-10 starting its 90-day clock - today 5-22-10, to be repaired. Told shift manager this is not reportable as long as it is repaired prior to the 90 day window expiring. Shift manager told me all catch tank and sump leak detectors have current functional & calibrations. SD

5-23-10 S. Doss

1555 Received call from D. Higbee, shift manager, regarding 5-23-10 to 242-A ~~Steam~~ steam condensate conductivity probe going into its grace period (7-day grace) beginning today. The calibration was last performed on 4-23-10 and when the Evaporator is running a campaign, the steam condensate conductivity probe testing must be performed every 30 days w/a 7-day grace period. I contacted J. Hamilton as he was aware of this and received an email from Dave Coiles. James stated the steam condensate conductivity probe calibration is 5-23-10 part of an interface agreement (document control) w/LERF. J. Hamilton stated he directed shift to contact LERF for concurrence to run with

5-23-10 Continued S. Doss

1555 Cont. steam condensate conductivity probe in its grace period. (SD) 1610

1610 Called D. ~~Hiag~~ 5-23-10 SD Higan, shift manager and 5-23-10 SD relayed the conversation I had with J. Hamilton. Dale confirmed that the LERF Shift manager had no concerns with the steam condensate conductivity probe being in its grace period. 2120
The probe is to be tested tomorrow on day shift. The LERF shift manager also concurred with the continuation of sending steam condensate to LERF. This is not an NOC 5-23-10 condition and does not require notification. (SD)

5/24/2010 - 0922 Notified by Dan Bishop that An oil spill occurred while moving crane into 241-AN. Have 3 locations, one outside farm gate & 2 inside. The three locations are being cleaned up. Drip pads under crane 0917
Mechanics called to correct problem. < 1 qt engine oil involved total; each location involves < 1 pint. JDK CNS-WRPS-1000726

5-24-10 S. Doss 0937

1600 Notified the 296-P-47 (POR-008) Duct Work, survey point #55 5-24-10 SD has 20,000 dpm/100cm² βγ and 5-26
CNS-WRPS-1000726 <Det α. This is coming from the bolt holes, not the flanged seam. The rubber matting beneath 5-27
survey point #55 is 1,000 dpm/100cm² βγ above 1500
background and no alpha contamination was detected. Soil around the rubber matting was also checked and the soil is <1,000 dpm/100cm² βγ and <70 dpm/100cm² α. The survey (radiological) is #C00-006707. This notification came from Radiological ~~Fist Li~~ 5-24-10 SD First Line Supervisor J. Maganas.

5-24-10 cont. S. Doss

1610 Received call from Shift Manager R. Mathan, verifying I received notification from Rad Con regarding PO2-008 duct work. He also informed [illegible] me the steam condensate conductivity probe (see 5-23-10 1555 & 1610 entries) was satisfactorily tested. (SD)

2120 Received notification from 242-A Shift manager, P. Treadway, the steam condensate sample pump is out of service as of 2056. 242-A personal discovered (5-24-10) found the issue at ~ 2046 and attempted to restart until 2056 when the sample pump was declared non-operational. The 242-A is in the process of shutting down the steam and going to recirculation mode. This is not reportable to WDOE or WSDH. (SD)

5-25-10 S Doss

0917 Called shift Manager, and let them know I will be sending the notification to WDOH for the PO2-008 duct work, survey point #55, leakage (see 5-24-10 @ 1600 entry). (SD)

CNS-WRPS-1000x06

0937 Sent email notification for CNS-WRPS-1000x06.

5-26 No entries saw

5-27 1500 Shift office reports that AW-101 Crane is no longer operating. Suspect it needs to be flushed. On 90 day clock for repair.

AY-101 leak detection pit was showing 19" of liquid. No indication of moisture from annulus leak detectors or annulus CAMs. Suspect rain water infiltration.

5-27 JAW

1600 JAW Shift Office reported loss of power to catch tank A-302A. The tank needs monitoring quarterly for OSD, & Environmental purposes (ref. RPP-9937, RPP-16932)

1830 JAW Shift Office reported that power has been restored to catch tank A-302A and the ENRAF.

5-28

1020 JAW Shift Office requested Environmental approval to proceed with jetting the sump from 241-A Evaporator through the DR-334 line to the AW-02D pit. Approval was requested because leak detector in AW-02A pit had gone into fail mode. (LDE-AD). The failed leak detector is not associated with the transfer route, and the systems are not connected. Approval granted.

5-31

1340 JAW Shift Office reported that SY-B exhauster is running at 940 scfm. (vs 950 scfm min). No significant changes in filter DPs reported.

6-1-10

1600 JAW Shift Office reported that the chiller for the 296-A2 main stack exhauster had leaked a small amount of glycol to the cement pad. This was discovered during rounds. Absorbent pads were used to clean up the glycol. Not reportable.

2000 JAW Shift Office reported that AW-B train failed portions of the ANSI N13 instrument calibration. AW farm currently running on AW-A train.

6/2/2010

0730 - Notified by Base Ops Shift Mgr that AY-02A pit leak detection Alarmed. 241-AY-101 tank Recirculation secured, Rad survey of AY-02A pit ~~ent.~~ DDA did not show any increase in radiation dose. AY-02A pit drain opened & Alarm cleared. Rain water from on going storm appears to be source of Alarm. Ops to investigate pit taping & retape if intrusion points are identified. Then will resume Recirc. AY-02 not on transfer Route; Recirc secured as BMP.

1041 AP-103 Zone 4 in Alarm; UT testing in progress in this Zone thus expected per Base Ops Shift Mgr.

6/4/2010

1500 - Base Ops reports AP-103 Zone 2 in Alarm - UT testing in progress thus expected.

6/6/2010

1411 - Base Ops reports unable to perform visual inspection of 244-AR sample gallery Rounds sheet Ref. RPP-16922 as a driver for inspection. No info in RPP-16922 Re this inspection. Ops will PCA Rounds to remove reference.

6/8/2010

1948 - Base Ops reports AP-103 Zone 2, 3, 4 in Alarm. UT testing in progress thus expected.

6/9/2010 SRT Shift manager reported that the 241-S-y VTP B-Train had an unplanned shutdown. Cause was the data logging instrument was disconnected and exhauster shutdown. Exhauster was restarted per procedure w/ NO further shutdowns. SC G
WDOH Notification mode: CUS WEPS-1000727

6/9/2010 SRT Shift manager reported that HPTs smeared 25,000 dpm/100cm² B/γ and no alpha on Riser #4 on tank 241-AY-102 manual tape during routine sweeps of the farm. ALARACTS require outer surface to be <50,000 dpm/cm² and these smears are less than this level. There were no reporting limits listed in the NOC for 296-A-42. The AY farm is a CA area and smears must be maintained below 100,000 dpm/cm². SC G
Conclusion: this is not reportable to the STATE. AN email to Ops and RadCon urging the expeditious clean up of the riser and manual tape. SC G

6/13/2010 SRT Approximately 0830hrs, 222-S Labs reported there will be performed planned exercises involving the ventilation system. The HEPA dp's are expected to remain at approximately 1.6psi. As long as the dps do not drop below normal dp levels, the Lab will not be required to report each evolution of the planned exercises. SC G
Non-Reportable to WDOH. 6/23/10 JTH

SL 6/16/10 1327 NOTIFIED BY SHIFT THAT 296-A-30 (241 AN ANNULUS EXHAUSTER) SHUTDOWN DUE TO A SPURIOUS CAM ALARM. EXHAUSTER RE-STARTED AT 1320. CNS# WRPS 1000728

1353 SENT NOTIFICATION TO WDOH

SL 6/18/10 820 NOTIFIED BY FWS THAT DURING LOADING OF THE C-111 SACTWELL SCREEN ON TO A FLAT BED TRAILER FOR DISPOSAL, A SMALL AMOUNT OF WATER (CUP/PINT) SPILLED OUT OF THE OUTER PACKAGING (COFFIN) ONTO THE GROUND. RADCON PERFORMED A SURVEY OF THE GROUND AND FOUND NO DETECTABLE CONTAMINATION. DETERMINED TO BE RAINWATER. RSR# COCO02665

SL 6/20/10 1628 NOTIFIED BY SHIFT THAT AW 101 ENRAF WAS PLACED OUT OF SERVICE. MANUAL TAPE IS O/S AS WELL

SL 6/21/10 855 NOTIFIED BY SHIFT THAT AP 104 ENRAF WAS PLACED O/S TO SUPPORT CONSTRUCTION ACTIVITIES. ALL ANULUS ENRAF'S ARE OPERABLE

SL 6/22/10 1400 NOTIFIED BY SHIFT THAT AY 101 LDT-151 ANNULUS ENRAF WAS RAISED TO SUPPORT UT TESTING.

6/23/10 JTH Received on call bag from Scott Conrad; not in his office for the turnover.

1100hrs Received notification from Carl Wallgren EV Team Day shift area manager that the power was taken down to the annulus leak detectors to begin the upgrades to ENRAFS in AP-Farm. Facility is maintaining rounds to perform leak detection via continuity check of

06/23/10 cont'd JTH — at least one annulus leak detector.

06/29/10 cont'd

06/24/10 JTH — 1549 hrs — Notified Vessel Vent for 242-A back in service after instrument upgrades and calibrations.

06/28/10 JTH — 0650 hrs — Notified during morning meeting that primary tank ENRAF for AP-104 returned to service after calibrations this weekend. This followed the work to remove the PVC sleeve installed underneath ENRAF in support of AP level rise activities. Sleeve removal performed by construction forces and calibration performed by operations personnel. See Notification entry on 06/21/10 by Scott Conrad.

06/30/10

06/28/10 JTH — 1354 hrs — Notified by Jeff Andrew from Shift Office that the 204-AR air compressor was in service. As a result Tank-1 level instrumentation had been returned to service and a reading was now available.

0245
CWS-
WRS-
1000730

05/29/10 JTH — 1354 hrs — Notified by Environmental Field Representative (Scott Conrad) of elevated smearable contamination found at Survey Point 60 on the 241-C-108, -109 ventilation duct work. The readings were 12,000 dpm/100 cm² beta-gamma and <20 dpm/100 cm² alpha. A second smear was taken to confirm previous smear results and did not result in detectable contamination levels, <1,000 dpm/100 cm² beta-gamma and <20 dpm/100 cm² alpha. The ground was surveyed and nothing was found above background

0801
WRS-
1000730

0857

1335

cont'd →

06/24/10 cont'd

Consulted with John Mayanas via his cell phone # to confirm survey results. Dave Strasser was notified ≈ 1535 hrs of pending notification to be sent to the Department of Health.

Scott Conrad also informed me of a spill of ≈2 gallons of hydraulic oil to a concrete pad in the marshalling yard next to 2704 HV. Spill did not reach the ground and ~~did not~~ was cleaned up immediately. Entry also made in Spill Notification Log. Not Reportable

6/30/10 0810 Env Field Rep (J Guberski) discovered leaking water truck just North of 241-TY FARM. ≈ 6-7 gallons of raw water leaked to gravel road area; beneficial use as dust control non reportable. JDG

7-1-2010 S. Doss

0745 Received notification from J. Hamilton the 296-A-41 (AP-Annulus exh.) stack was shutdown on 6-30-10 @ 1340 to perform new temperature indicator upgrades in the cabinet. It is anticipated to be secured for approximately 3 weeks. SD

CWS - WRPS - 1000730

0801 Contacted Mark Garrett in the Shift office and informed him I would be sending out a notification to WDOH for 296-A-41. SD

CWS - WRPS - 1000730

0857 Notification for Shutdown of 296-A-41 sent via email. CWS-WRPS-1000730. SD

1335 Notified by J. Andrews the 296-A-43 (702-A2 building exhauster) Record Sampler has flowed

7-1-10 Cont. S. Doss

1335 Cont.
is out of service. A work order is being initiated to repair record sampler vacuum pump. This is a minor stack and is non-reportable. SD

1400 Notified by Carl Walgren the 241-AW-106, Zone 4 Flake box (an annulus) was inadvertently bumped. The glue on the housing is coming undone. The zone 4 ~~box~~ flake box has been placed out of service. Environmental field rep, J. Hamilton, ~~will~~ told C. Walgren to put this on the daily report as the 90-day repair clock has started. The flake box has been bagged to prevent rain water intrusion (rain is anticipated over the weekend). A work order is being issued to repair. This is non-reportable as long as it gets repaired within 90-days. SD

1406 Notified Mark Garrett at shift office that I would be sending a revised notification for the 6-29-10 1354 entry. Contamination was detected at the ground beneath survey point (flange) #60. CNS-WRPS-1000229 Rev 1 will be sent as we had originally reported no contamination beneath the flange on the ground. SD

1418 Sent revised notification for 296-P-47, C-104/109 RSR No. Duct work contamination. CNS-WRPS-1000229 R1. SD

1425 CNS-WRPS-1001150

1450

1510

1624

0704 CNS-CWRPS-1001151

1041

1050

7-1-10 Cont. SAoss

1425 Cont.
CWS- level alarm. D. Strasse did not know if it
WRPS- was a low or high seal pot alarm.
1001150 Informed D. Strasse this will be reportable to WDOH. (SA)

1450 Notified by J. Andrews that during a pit job ~~of~~ at 241-AZ-Valve pit, approximately 1 teaspoon of liquid seeped out of the valve being worked on. The job being worked was changing out the valve funnels. This is not reportable as an RQ was not reached. NO Contamination was found on the splash guard. The valves are located down in the pit. The temporary covers were placed back over the pit. (SA)

1510 Notified Shift office I would be sending a notification to WDOH for the 296-P-48 Unplanned Shutdown - See 1425 entry dated today. CWS-WRPS-1001150. (SA)

1624 Sent email notification for unplanned shut down of 296-P-48 @ 241-C-104. CWS-WRPS-1001150. (SA)

7-2-10 S. Aoss

0904 Notified by D. Carlile the 296-P-47 was found
CWS- shut down today at 0900. Per the HMI, the
WRPS- exhauster shut down 7-1-10 at 2357 due to
1001151 plenum vacuum low. Exhauster will remain down over the weekend. Informed Mr. Carlile this is reportable to WDOH.
1041 Contacted Central Shift Office, Dave Strasse, to inform them of the unplanned shutdown & that this is a notification to WDOH. (SA)
1050 Sent email notification for CWS-WRPS-1001151.

7-2-10 Cont. S. Doss

1424 Notified from J. Andrews the 296-A-43 (702-AZ Bldg exh) record sampler vacuum pump was replaced, however the record sampler is still not working. They believe it is due to a blown fuse. Will work on system on Tuesday, 7-6-10 (after 4th of July holiday). Exhauster is still running. This is a minor stack. See 7-1-10 entry at 1335. (SD) 1930 (

0730 CNS-WRPS-SD 7-2-10 ~~110015~~ 1001152

7-6-10 S. Doss

1550 Notified by B. Johnson that an American Electric pickup (subcontractor) radiator hose broke and leaked approximately 2 gallons of anti-freeze to the ground behind 2704-HV. (SD) 7-6-10 Informed shift office (B. Johnson and Facility Manager - D. Strasser) the spill will need to be cleaned up and that this is reportable to WDOE. Requested D. Strasser to obtain the MSDS for the anti-freeze.

CNS-WRPS-1001152

0900 CNS-WRPS-1001153

1620 Received notification from J. Voogd the cathodic protection bi-monthly inspections have not been completed. Per TFC-ESHQ-ENV_FS-C-01, Environmental Notification, the missed cathodic protection bi-monthly inspections are to be reported to the ECO - which is J. Voogd. This is not reportable. (SD)

17 ~~1510~~ SD 7-6-10 Notified WDOE, Kathy Conaway, of the anti-freeze spill (see 1550 entry dated today). (SD)

CNS-WRPS-1001152.

1930 Notified by D. ~~Hifeah~~ Harrison SD 7-6-10, the follow SY-Rounds will not be taken due to a stop work issued due to inoperable air conditioning & cold water: 296-P-22, dp gauge PDI 70 ~~43~~ SD 7-6-10 296-P-23 stack flow and the SY-101 & SY-102 & SY-103 inlet temperatures.

CNS-WRPS-1001153

0917

7-6-10 Cont. S Doss

1930 Cont.
The readings are not taken on day shift. The missed dp gauge PDI 703 & the stack flow will be reportable to WDOH & I notified Dale Harrison (Shift Manager of this)

7-7-10 S. Doss

0730 Contacted Lynn Sant (American Electric Safety)
CUS- regarding the anti-Freeze Spill (see 1550 entry
WRPS- on 7-6-10). He had additional information and
~~HOOIS~~ SD 7-7-10 clarification regarding the spill. The spill was
100152 from a 5-Ton Regolate government vehicle, not an American ~~Electric~~ SD 7-7-10 Electric pick-up. The spill was approximately 2-3 gallons. The soil was cleaned up yesterday evening. Approximately 80 lbs of soil was cleaned up. The MSDS for the anti-freeze is #058196, Turbo Power Universal Anti-Freeze Coolant. SD

0900 Notified by Brian Johnson (shift manager) SY-Rounds
CUS- will not be taken on day SD 7-7-10 shift due to the Step
WRPS- work issued yesterday for SY, SX, & T Charge Trailers
100153 and 272-S (painter's shop) due to inoperable air conditioning and cold water. In addition several rounds were missed last night - beyond what was reported in the 7-6-10, 1930 entry, due to the round-sheets inaccurately not being labeled as environmental equipment. Informed Mr. Johnson a notification to WDOH on several pieces of equipment would be reported for last night as well as today & the Step work will not be lifted by the end of day shift. SD

0917 Notified by J. Andrews the 151-AZ Catch Tank quarterly liquid level reading is high. It is suspected to be rainwater intrusion. The

7-7-10 Cont. S. Doss

0917 Cont
level is not above the OSD limit of 105 inches, however it is above the normal range. Normal range is 13.5-14.5 inches. The reading is at 15.19 inches. Engineering is to evaluate the increase. This is not reportable. SD

7-14
0908
JAW
7/14
1220
AC

1025 Sent email notification for Anti-Freeze spill 7-6-10. CNS-WRPS-1001152. SD

7-7-10 SD ~~10~~ 1112 Sent email notification ~~the~~ 7-7-10 SD for the readings not being taken for 296-P-23 and 296-P-22. CNS-WRPS-100153. SD

7/14
1542
AC

7-7 JAW
1415 JAW Received notification that AP-B train exhauster had shutdown unexpectedly. No indication of high rad reading at the CAM. The exhauster was returned to service (restarted) 1515. ~~at~~ 1515. CNS-WRPS-100154

7-10 0946 JAW Notified by shift office that AZ ~~103~~ JAW Annulus CAM vacuum pump shut down.

7-12 1400 JAW Advised by area manager & environmental rep. that monthly operability checks for 242-A evaporator diesel generator and 702-A diesel generator would not be completed within the 31 day period. There was a difference in interpretation on "monthly" (within the month vs 31 days).

7/15
0815
AC

7-12 1455 JAW Advised by Env. Field rep that UX-302 is seeing water infiltration. Tank was previously pumped to approx 2.7 inches on 8/4/09. Tank level is currently ~7 inches on 7/7/10. Eng evaluating.

7/16
1641
AC

7-14 0908 JAW — Notified by AY/AZ Team that 702-AZ A-43 record sampler is now operational. Issue replaced.

7/14 1220 AC — Notified by 242-A/AY/AZ Environmental Field Representative that the monthly operability checks for the 242-A Evaporator diesel generator and the 702 AZ diesel generator were completed on 7/13/10.

7/14 1542 AC — Notified by AY/AZ Team that due to a Stop Work at AY/AZ differential pressure readings will not be taken for the following during the night shift: 296-A-18, 296-A-19, 296-A-20. Differential pressure readings were taken this morning prior to the Stop Work. Per RPP-16922, Section 5.3, differential pressure readings must be recorded daily. Therefore, the regulatory requirement has been satisfied for 7/14. It is anticipated that action allowing removal of the Stop Work will be in place tomorrow morning, allowing differential pressure readings to resume.

7/15 0815 AC — Received notification from the Base Operations Environmental Field Representative that the Shift office has been notified that an occurence report (Group 9 SC(4)) must be initiated for the Notice of Violation issued by the Washington Department of Health dated July 7, 2010.

7/16 1641 AC — Notified by Dave Strasser that the AN electrical outage is complete. 296-A-30 (241-AN annulus exhauster-B Train) was restarted. Zones 3 and 4 annulus leak detectors of all AN tanks were

7/16
1641 cont.
returned to service. Zone 2 annulus leak detectors have been reterminated and require functional test prior to returning to service. AC

7/23/

7/19
1511 Notified by Environmental Field Representative that bi-monthly cathodic protection inspections were delayed for AN and SY Farms due to power outages. Power to the AN Farm was restored over the weekend and the bi-monthly cathodic protection inspection was completed today. The SY power outage was expected to end today, but has now been extended for an additional week. AC

7/26/

7/20
1425 Notified by AY/AZ Team that one of the annulus leak detectors for 241-AZ-102, LDT-152, has drifted outside the normal range. The normal range is 0.11-0.19. Today's reading was 0.20. The other two ENRAF readings are within the normal range. AY/AZ Team was informed that if the leak detector cannot be returned to the normal range within 24 hours, then a notification to Dept. of Ecology will be required. AC

7/27

7/21/10 1110 - Informed by S Tifft 241 AZ 102 LDT 152
JDZ is back in range.

7/2

7/22/10 1337 - Informed by TS Area Team Staff member
JDZ that SY leak detection pit level reading is above high range. Not reportable tertiary leak detection.

7/22/10 (cont)

1440 702-AZ ventilation returned to operation.

7/23/10 1503 Central shift office reports
JDR
- AZ 102 Annulus CAM out of service due to failed vacuum pump. Not reportable as not using annulus CAM for leak detection JDR 7/23/10
- AZ Annulus stack ~~CAM~~ Record sample is below flow range. Continue operating as 296-A-20 is minor stack.

7/26/10 1400 - Central shift office reports AW-102 104, 106 primary tank levels out of service due to electrical tag out. Have levels expect restoration 7/27/10
JDR

7/27/10 0755 - Notified by Central shift office (0619 voice mail) of unplanned shut-down of POR-08 exhaustor. No specific cause. No release. Investigate & restart is plan. (296-P-47)
JDR

1120 - Central shift office informed of WDOH notification for 296-P-47 shut down

1122 - WDOH notified of 296-P-47 unplanned shutdown. CNS # WRPS-1001155. Email sent

7/28/10 1425 WDOH notified by e-mail (Boneman to Schmidt) that 296-S-21 stack sampling system will be taken down for maintenance on July 29 swing shift.

7/29 1252 FRM — Notified by 2225 (Van Ward) that the 296-S-16 stack Record Sampler flow switch failed calibration. This was discovered on 7/22 @ 1030. On 7/22 it was pulled to work on. On 7/29 replaced, according to J. Cuberski, there was a valid sample taken in the interim, therefore not considered reportable. Cause identified as high HEPA filter DP & was replaced. — 7/30 1545 FRM

7/29 1730 FRM — 296-S21 sampling system was taken down for calibration (notified by Ron Peterson). Notified at 1900 that system was back up and running. Routine maintenance, therefore no notifications needs to be made.

7/30 1110 FRM — Notified by shift office (Dale Harrison) that the AP primary ventilation system had an unplanned outage (suspected to be caused by lightening storm) at 0540 hrs. The system was restarted at 0900 hrs. [296-A-41; WRPS-1001156] — 7/31 0320 FRM

7/30 1110 FRM — Notified by shift office (Dale Harrison) of an unplanned outage of the AW Farm Primary & Annunbus Ventilation systems (Not certain what caused outage) & were working to restore. Outage occurred @ 1100 hrs. [296-A-46 & 296-A-47 & 296-A-28; WRPS-1001157] — 7/31 0943

→ Also lost power to AW Leak detection system. AW-2, -3, & -5 have manual tapes

Have staff working over weekend for AW to do necessary planning, however don't anticipate work to be completed until Monday (Aug. 2).

7/30 1545 FRM — Notified by (Staff Andrews) Shift office that @ ~1310 hrs, planned maintenance was being performed on the 702-AZ HVAC unit. When the unit was re-energized, it tripped the control units & knocked out the 702-AZ primary exhauster (296-A-42) and the building ventilation system. The 702-AZ exhauster was turned back on in ≈3 minutes. The building ventilation system was still down @ the time of notification, and likely not to be started back up till sometime over weekend

7/31 0320 FRM — Notified by 2225 on-call (Jim Dutaguier) that power was lost to the 2225 main power supply, and to main stack, and to other parts of 2225 Facility (suspected to be caused by lightening storm. Backup diesel generator was used for the bldg. Power lost @ approximately 0125 hrs.

7/31 0943 — Notified by 2225 facility manager (Tom Hardy) that power and sampling capability was restarted in S-21 stack @ approximately 0925 hrs.

7/31 0315 FRM — Notified by Area shift office (Rajiv Malhan) that most of (ALL) the DST primary exhausters are down due to intense lightening storm — 8/1 1045

7/31 0940 — Shift office (Dale Harrison), power shut down to all systems. However power came back on within a few minutes. Due to continued lightening within a 10-mile radius, no attempts have been made to go out and re-start exhausters. It is thought that leak detectors went back on when power restored. — 8/1 3:15 — 8/2

7/31 1100 — Shift Office (Dale Harrison)-No leak detection in AZ-102 since Friday. No manual tape or Enref capability — 8/3 1600

7/31 1420 — -Dale H. - Power restored to AZ leak detectors. Obtained readings & all were normal.
-SY-102 & -103 readings normal. Could not access SY-101 to get to detectors due to construction for transfer line upgrades. TMI is still down — 8/3 1726 FRM

7/31 1226 — Restarted SY B train exhauster @ 1220 hrs & also annulus exhauster (Dale H.)
AY/AZ re-started @ 1250. — 8/4 0645

7/31 1601 — (Dale H.) AY-102 annulus exhauster re-started @ 1552 hrs.
AY-101 annulus exhauster @ 1600 hrs

8/1 1045 (Dale H.) AW Farm power still out - No liquid levels on all 6 tanks. AN exhausters still down, however we are getting liquid levels in AN.

8/1 3:15 Restarted AN exhausters, both A & B trains @ 1510 hrs

8/2 Contacted shift Office (Brian A. Johnson) to get status
AW Farm still no power and being worked.
SY-101 leak detection, no update

8/3 1600 Notified by Jeff Andrews that the 702-AZ ~~Bldg~~ exhauster ~~that he~~ was restarted @ 1535 hrs. System had gone down on 7/30.

8/3 1726 FAX Notified by (Dave Storick) Day Shift Manager that power was lost to the AN Enrafs. Readings were taken by manual tapes for all AN tanks except AN-104 and AN-105.

8/4 0645 Turnover of on-call to Sherm. Still outstanding:
① SY-101 Leak Detection monitoring status;
② Lost power to AW Farm

8/4/2010 SRT
- Assumed Environmental On-Call from Felix Mora.
- Did not get any info yet on the the issues noted on page 189.

8/5/2010 SRT
- Status
  - AW Farm Loss of power - Trouble Shooting package Still being prepared. (Ref pg. 188). No Leak detection or ventilation.
  - AN Farm (Ref. pg. 189 1726 hrs. entry). Current Status of AN Leak detection has all of the annulus Leak detection operational with the exception of AN 101 annulus leak detection Zone 4 out of Service (7/22/2010 reported). Work package TFC-WO-10-3102 issued to make repairs.
    All surveillances in AN are being performed to ensure we can detect a Leak within 24 hours.

8/10/2010 SRT
- 241-AN V.T.P (Both Trains) -
  - 1530 hrs, Area Manager (Nancy Forsman) The 296-A-44 and 296-A-45 primary exhausters HMI was out of service and not giving Record Sampler flow/operational data. Nancy suspected the Record Sampler and CAM systems were operating but could not get sample flow data.
  - 1655 hrs. Jeff Voogd called and relayed that as Long as the sampling systems was physically operating (hand touch rounds (Temporary OPS-5) he would allow the exhauster to continue to operate. - No WDOH Notification.

JSC 8/12/10 1526 JEFF HOOD NOTIFIED WDOH THAT DURING AN INTERNAL REQUIREMENT REVIEW WRPS IDENTIFIED A POTENTIAL COMPLIANCE DEFICIENCY FOR OPERATION OF 296-A-42 WITHOUT REQUIRED ABATMENT ~~CONTROL~~ JSC EQUIPMENT ASSOCIATED WITH THE EVAPORATIVE COOLING TOWERS. CNS: WRPS-1001160

JSC 8/16/10 0950 NOTIFIED THAT 296-A-42 (702 AZ) EXHAUSTER SHUTDOWN DUE TO A STACK CAM LOW FLOW ALARM. BAD ELECTRONICS. EXHAUSTER WAS RE-STARTED AT 1500. CNS: WRPS 1001161

JSC 8/16/10 1045 NOTIFIED BY SHIFT THAT ALL 241-AP PRIMARY ENRAF'S ARE TAGGED OUT O/S. THIS IS DUE TO SUPPORTING ENRAF UPGRADES. ALL MANUAL TAPES WITHE THE EXLEPTION OF AP-104 WORK. ALL ANNULUS'S HAVE AT LEAST ONE ENRAF OPERATING.

JSC 8/16/10 1732 SENT NOTIFICATION EMAIL FOR 296-A-42 SHUTDOWN.

JSC 8/17/10 0600 NOTIFIED BY SHIFT A WORKPLACE AIR SAMPLE TAKEN DURING THE U-104 IN TANK VIDEO INSPECTION CAME BACK READING 41 DAC ALPHA NO BETA/GAMMA. SUSPECTED RADON. NO CONTAMNATION TO EQUIPMENT OR PERSONNEL. CNS: WRPS-1001162

1335 NOTIFIED BY SHIFT THAT 296-A-42 (702 AZ) EXHAUSTER SHUTDOWN DUE TO A CAM LOW FLOW ALARM. MAINTENANCE IS TROUBLE SHOOTING. CNS: WRPS-1001163

1454- SENT NOTIFICATION E MAILS FOR WRPS-1001162 AND WRPS-1001163

JTH

SK 8/17/10 1739 NOTIFIED BY SHIFT THAT 296-A-42 (702 AZ) EXHAUSTOR SHUTDOWN AGAIN DUE TO A LOW FLOW CAM ALARM. CIRCUIT BOARD ISSUES. MAINTENANCE IS TROUBLESHOOTING. CNS: WRPS-1001164

SK 8/18/10 0706 SENT NOTIFICATION EMAIL FOR CNS: WRPS-1001164

JTH 08/18/10 1432 hrs Notified by Joshua Alms that 702-AZ was up and running for a brief period (≈ 45 mintes to 1 hour) before shutting down. Maintenance was continuing to investigate the cause. This entry is a continuation of ongoing activities associated with 702-AZ (296-A-42). See previous notifications for 08/16/2010 & 08/17/2010. JTH

JTH 1600 hrs. Notified by Kelly Smith that AZ102-WSTA-152 zone leak detector is reading out of range at .20. The normal range is .11 to .19. Other zone leak detectors for AZ102 are not in alarm. Kelly stated this particular leak detector has a known issue with regards to going out of range due to weather conditions. Facility personnel will continue to monitor the other zone leak detectors and primary tank instrumentation for changes. No notification required at this time. JTH

JTH 08/19/10 1256 hrs Notified by Kelly Smith that the AZ102-WSTA-152 is now back in acceptable range at .19. See entry above. No notification required at this time. JTH

08/19/10

JTH 08/19/10 cont'd

1305 hrs & 1328 hrs Notified via email from Jeffry Voogd that the evaporative cooling towers for Tanks AY-102, AZ-101, and AZ-102 were started at approximately 0930 hrs on 08/19/10. Email was to a distribution which included the WDOH Reference notification WRPS-~~1000~~ 08/19/10 /001160, for ~~702~~-AZ (296-A-42).

JTH 08/20/10 Notified at 1511 hrs by BO CSM, Dale Higham that 702-AZ was found shutdown. 08/20/10 Time of discovery was 1445 hrs. Operations to investigate and restart exhauster. This was an unplanned shutdown and will require notification to WDOH on Monday, August 23rd.
CNS #: WRPS-1001165

Notified at 1630 hrs by BO CSM, Dale Higham that 702-AZ (296-A-42) was returned to service at 1523 hrs. No contamination was found. Cause Unknown

JTH 08/21/10 Notified at 1852 hrs by BO CSM, Dale Higham that 702-AZ (296-A-42) shutdown at 1630 hrs and was returned to service at 1641 hrs. The "Keep alive" alarm was in. No contamination was found. This was an unplanned shutdown and will require notification to WDOH on Monday, August 23rd. CNS #: WRPS-1001165

JTH 08/23/10 Environmental On-Call notified BO CSM, Mark Garrett of planned submittal of WDOH notification for unplanned 702-AZ (296-A-42) exhauster outage @ 1145 hours. CNS #: WRPS-1001165

Sent WDOH notification via email at 1217 hours WRPS-1001165

JTH 08/23/10 cont'd

1688 hours Notified BO CSM office that the Environmental On-Call had limited to no cell phone coverage while on the WSU Tricities campus in North Richland. Environmental On-Call would check in with the BO CSM office once cell phone coverage returned. In addition I asked that they try and make use of my personal cell phone for notifications as it is with a different carrier.

1632 hours Received SOEN message via text message to my personal cell phone that 702-AZ primary ventilation shutdown.

1638 hours Received SOEN message via text message to my personal cell phone that 702-AZ primary ventilation restarted.

1736 hours Called BO CSM office to inform Shift Manager that I would be leaving the WSU Tricities campus with limited to no cell phone coverage. BO CSM Phil Treadway informed me that the 702-AZ primary exhauster shutdown at 1622 hours and was restarted at 1638 hours. IHT & HPT were completing their sweeps of AV/AZ to be able to down post the farm from VCZ.

1810 hours Voicemail received from BO CSM Mark Garrett notifing Environmental On-Call had shutdown at 1622 hours and was restarted at 1628 hrs.

JTH 08/24/10 Notified BO CSM Mark Garrett of
0940hrs pending notification to be sent to WDOH at approximately 1010 hrs for the unplanned shutdown of 702-AZ @ 1622 hours on 08/23/10.

STH 08/24/10 cont'd

1011 hrs Notification sent to WDOH for 702-AZ exhaust (296-A-42) unplanned shutdown that occured on 08/23/10 @ 1622 hours.
CNS #: WRPS-1001166

1230 hrs Notified by BO CSM Mark Garrett of an unplanned vessel vent shutdown at 242-A (296-A-22). 242-A Facility status is currently in "shutdown" mode. There is no waste in the evaporator vessel at this time. Cause was related to activities to bring the ammonia monitor online in preparing for the mode switch and beginning of the 10-01 campaign later this week. Vessel vent shutdown at 1125 hrs. There was no release of contamination.
This will be reportable per WRPS notification procedure and based upon consultation with Jeffey Voogd BO Environmental Compliance Manager.
CNS #: WRPS-1001167

1326 hrs Notified via SOEN message of unplanned shutdown of primary ventilation at 702-AZ (296-A-42). Spoke directly with day shift Area Manager Jeffrey Andrews and BO CSM Mark Garrett to confirm the details of the event. Shutdown occurred at 1323 hours and ventilation was restarted at 1430 hours. IHT and HPT sweeps were completed and AY/AZ Farm was downposted for VCZ. No contamination was found. SOEN message was received at 1454 hours.
This is reportable per procedure to WDOH.
CNS #: WRPS-1001168. Jeff Andrews stated that the 702-AZ ventilation system was being switched to manual mode in order to hopefully minimize the unplanned shutdowns caused by the automatic control circuitry. Cause continues to be the suspected communication error due to age of system.

08/25/10 JTH

0755 hrs Notified Gary Hopkins (CO CSM) of two notifications WRPS-1001167 for 296-A-22 (242-A Vessel Vent) and WRPS-1001163 for 296-A-42 (702-AZ) unplanned shutdowns of exhausters, to WDOH

0833 hrs Sent WRPS-1001167 to WDOH via email.

0836 hrs Sent WRPS-1001168 to WDOH via email.

0953 hrs Turnover of on-call responsibilities to Shelly Doss.
James T. Hamilton JTH

8-26-10 S. Doss

1207 Notified by J. Andrews, the 101-AZ ENRAF is out of service. The manual tape is in service and the readings are normal. The annubes ENRAF's are in service and reading are normal. Informed J. Andrews the 90-day clock for repair has begun. SD

8-26-10
1410 Shift manager and ~~SD~~ environmental notified of 3-5 drops of diesel beneath a Sunbelt compressor near 42 Street and 242-A Evaporator. A dike pan was placed beneath the compressor. See Spill log, 8-26-10, 1410 entry. SD

8-27-10 S. Doss

DRILL Message

1015 Notified by BED (D. Strausser) Tank 241-C-111 has a waste leak on the ground. The pool is approximately 8'x10'. This exceeds the RQ value for C-111. Informed BED notifications to outside agencies is required. BED and drill co-ordinator directed me to simulate calling agencies.

DRILL MESSAGE

DRILL MESSAGE

DRILL MESSAGE

DRILL MESSAGE

DRILL MESSAGE

DRILL MESSAGE

1323

8-27-10 S. Doss

DRILL MESSAGE 1016 Called a drill contact phone number to informed drill co-ordinator of whom I would notify and what procedure I would follow. Informed drill co-ordinator I would notify the National Response Center within 15 minutes. Notify the Occurrence Notification Center the National Response Center had been notified. ~~I~~ SD 8-27-10 Informed drill co-ordinator WDOH & WDOE would be notified. Informed drill co-ordinator I ~~would~~ SD 8-27-10 would be following the Environmental Notification procedure. Informed drill co-ordinator I would notify J. Voogd, the ECO, and J. Donnelly, Environmental Manager. SD 8-27-10 Drill ~~co-ordinator~~ SD 8-27-10 co-ordinator was satisfied w/ notifications I would make and our call was terminated. (SD)

DRILL MESSAGE 1026 Notified J. Voogd of spill and agencies contacted. (SD)

DRILL MESSAGE 1027 Notified J. Donnelly of spill and that ECO and agencies had been contacted. (SD)

DRILL MESSAGE 1028 Made courtesy call to ESHQ manager E. Skwarek of drill and ~~personnel~~ SD 8-27-10 agencies and personnel contacted. (SD)

DRILL MESSAGE 1033 Notified BEA of simulated notifications to agencies, ECO, & Env. manager. (SD)

DRILL MESSAGE 1055 Received SOEN email that the drill had been terminated. (SD)

1323 Notified by J. Gubanski the 244-SDCRT level has gone down ~10 inches. The Sump is not in alarm. The cause is being investigated. ~~The~~ SD 8-27-10 Ops believes the level reading was mis-read as previous days show no change. (SD)

8-31-10 S. Doss

1400 Notified by 242-A Shift manager, the leak detector in AW-02-A pit went into fail mode. The 242-A evaporator was in operation. The alarm came in at 1218 and the leak detector cleared at 1303. Feed and slurry were ~~to the~~ secured (SD 8-31-10) and the evaporator was placed in recirculation mode. Trouble shooting for the leak detector will take place. AW-02-A pit is physically connected to the transfer from 242-A. (SD)

9/13/2 JO

9-2-10 1630 JW Notification was sent to Ecology for a 200 gallon water spill in SY tank farm. see spill log CNS # WRPS-1001170

9-3 to 9-6 No entries JW

9-7-10 JW James Hamilton provided waste information associated with 242-A Evaporator campaign. Information includes RQ values for the waste if needed. Information is in the On-Call bag.

9/14/ Jas

9/12/10 JPB 2250 - Central Shift Office notification of 3 unplanned shutdowns of 702-A7 (296-A-42) today:

1300 - Unknown cause suspect CAM spike up at 1315

1840 - Heater valve malfunction. Up at 2136

2150 - CAM Hi RAD. HPT field count not activity above background. Restart & immediate shut down. Will remain down.

9/13/2010 JDZ

1120 - WDOH notified of 3 unplanned shutdowns of 702-AZ (296-A-42)
CNS# WRPS.1006169

1121 - Central Shift office informed of above notification to WDOH.

1425 Notified by (Central) Shift Office of unplanned shutdown of POR-08 due to plenum high vacuum alarm. Investigating cause of alarm.

1508 Notified by Central shift office of failure of level indication for 204-AR catch tank. Sump leak detector working. Intent is to either REPAIR AIR compressor supplying dip tubes or take readings manually. (No changes in level readings prior to inst failure)

9/14/10 JDZ

0830 - Confirmed with Scott Conrad that 296-P-47 (POR-08) unplanned shutdown was due to an instrument problem (broken/loose wire at connector) with plenum vacuum measurement and that exhauster was restarted early AM today 9/14/10.

0835 - Central Shift office informed of notification to WDOH for unplanned shutdown of 296-P-47 (POR-08)

0859 - WDOH notified of unplanned shutdown of 296-P-47 on 9/13/10 1425 hours CNS # WRPS-1001171.

0913 - Informed by A/AX/AY/AZ Area Day Shift Mgr (K Smith) that 296-A-42 (702 AZ Primary Vent) is having several planned shut downs during CAM functional testing.

9/14/10 (cont)

1317 - Notified by WRPS Construction of a hydraulic oil leak to concrete at site of new conditioned storage building. Approx 2 cups spilled MSDS 020227A. Not reportable. Concrete removal is part of preping building site

9/15/10 - 0145 AY-101 Annulus CAM alarmed at 0010 hours. Reading ≈ 6100 CPM. Based on past history Radon is suspect as 702 AZ primary tank ventilation has been secured for a few days.

Late Entry 9/14/10 1600 702-AZ was not started for testing

1511 - Analysis of AY-101 CAM filter paper confirms RADON as cause of alarm. Not reportable

9/17/10 0819 - Concurred with planned investigate survey for higher than RWP limit dose rate on C to AN transfer route. Required Env be notified if RAD or IH turnback limits are reached. RWP limit appears to be too low based on past transfers.

9/21/10 1507 - Notified by 222-S FOM and by L Borneman that sump 9 (219-S cell B at Tank 104) LOW & MIDDLE level alarms activated during 219-S to 241-SY waste transfer. Transfer secured Tand 104 level steady with ~~Not~~ No level change. Waste additions to tanks 101, 102, 104 suspended. Sump 9 pump currently out of service.

9/21/10

9/22/10 -0800 Message left for Ecology (Debra Singleton) advising Ecology that waste in secondary containment will not be removed within 24-hours due to sump 9 pump out of service for repairs. Alternate means of pumping being planned.

9/23/10 1053 204AR comp in service. Catch tank level works.

9/27/10 1515 AP-101 Annulus ENRAF LDT-151 failed. Other 2 leak detection ENRAFs working. Placed LDT-151 on 90-day clock.

9/28/10 - 1040 Notified by 242-A Area shift Mgr of vessel vent Alpha CAM failure. Investigating if NOC requires Alpha CAM at his request.

- 1058 Informed 242-A Area shift Mgr that NOC is not clear on need for CAM. Env is taking position that CAM is required. 242-A preparing for orderly shutdown and repairing CAM.

1150 - 242-A Area shift Mgr reports vessel vent Alpha CAM in service. Cancelled orderly shutdown.

1500 - 222-S Env (L Boatman) advises that 296-S-21 visual inspection of stack probe is due today 9/28/10. CHAMPS was showing 11/2/10 as late due date. Env identified at ~1300 that true due date is 9/28/10. Lab is working on completing work before midnight.

9/29/2010 SRT

1010hr. EVAP Area Manager reported the 241-AP-101 annulus leak detector, LDT-153 is back in service.

1400hr. 222-S Lab exhauster (296-S-21): Apparently the only issue is the nozzles were due to have their annual (365 day) ANSI/N13.1 maintenance inspection by midnight, 9/28/2010. This didn't happen as the wind blew the inspection crew out at 2100 hr, 9/28/2010. Lucinda Borneman will make an environmental advisement to WDOH per Jack Donnally's direction. (Not considered an ENV. Notification— Work is rescheduled for 10/1/2010).

9/30/2010 SRT

0419hr Central Shift manager reported the 296-P-48 (PORE03 for C-107) was started at 2203 hr (9/29) and ran until 0303 hr. Shutdown for Low CAM flow. Exhauster was left shutdown for maintenance. Did not report to WDOH

0700 hr (9/29/2010 LATE ENTRY) - 241-SY VTP A-Train shut down and B-Train started for Operational testing. Testing completed at 1358 hours and left operating as the on-line VTP exhauster.

0945hr. Notified that the SY farm will be commencing a power outage to support project work to replace transfer lines. The Outage will begin 9-30-2010 in the afternoon and last until January 2011. Ecology (Kristi Wold) was advised of the outage - Telcon voicemail and email.

9/30/2010 SRT

9/30/2010 SRT

1430hr 242-A shift manager reported that when the RV Record Sampler filter paper was changed last week it had sign/indications of wetness on the filter paper. An evaluation determined the cause was due to an upset with the system last week. Paper was changed and will be replaced again when current campaign is complete (per procedure). The wet paper integrity had not been compromised. Did not notify the State.

1515 hr. The SY tank level ENRAFS have been raised 12" and powered down. The annulus ENRAFS are on temporary power and operating correctly. Result of up coming power outage.

1840hrs. 222-S Lab Shift manager (Van Ward) reported that a scintillation standard (Tridium) was dropped on the Counting room floor (this was a clean room). There were 500,000 dpm on the spill. The Spill was isolated and covered. A plan will be developed to mitigate the spill. The 296-S-21 has been operating and continues to do so.
Contacted L. Borneman who was also notified by 222-S Shift Manager. She stated that this is not reportable to the State.
A Fact finding will be conducted

2130 hr. B.O. C.S.M reported the POR003 exhauster stack temperature (Air) was fluctuating high. Can run for 2 hrs. in this configration. No further calls from S.M. - Temp. Settled down.

10/1/2010 SRT — 1240hrs. 222-S shift manager reported ANSI inspection of 296-S-21 Stack had commenced and was completed at 1240hrs. — 10/5/2010 SRT

Late Entry 10/1/2010 SRT — 1015hrs. Scott Conrad reported that a light plant in C-farm supporting the C-107 Retrieval had Leaked about 2 cups of diesel fuel to ground. The unit was secured. Retrieval/Projects preparing a work package to mitigate the leak. A drip pan was reported to be in-place under the Unit. (Entered in Spill Log) — 10/6/10 Mic

10/6/10 [illegible]

10/2/2010 SRT — 0850hrs CSM reported a non-environmental concern. The SY-B train Stack CAM was in by-pass. A procedure (Ops-5) change will be forth coming to keep HPTs from going on stack platform in SCBA to obtain CAM readings. CAM not required for environmental concerns.

10/7/10 [illegible]

10/4/2010 SRT — 1520hrs - Pat Hurson reported the TX-302-B Catch Tank ENEAF failed its annual calibration. The as-found reading was consistent with the historical readings. The issue was that the calibration was due on 9/15/2010. Per the Notification Procedure, this was not reportable. A Corrective Maintenance package will be prepared. The equip. will be added to the Equip. out of Service List.

10/8/1 [illegible]

10/5/2010 SRT @ 1115hr. CSM (Dale Harrison) reported the 296-P-48 (POR-003) emitted some mist. and it was determined the exhauster had shutdown. Trouble shooting is under way to determine cause for mist emission and shutdown. Eight workers were sent to AMH for evaluation – Nothing found. The record sample and CAM filter papers were dry and clean (No contamination) Notification sent to WDOH (WRPS-1001172)

10/6/10 1600hrs Mina Jeff Voogd followed up w/ WDOH on above item.

10/6/10 FRM Unplanned AP primary exhauster shutdown (296-A-48) occurred this morning @ 0850 hrs due to spurious high rad alarm. No contamination was found. The AP Primary Exhauster was restored to service @ 1048 hrs. Information received from Dave Gilles. Notification sent to WDOH (WRPS-1001173)

10/7/10 1348 hrs FRM Call from Dave Gilles. POR 003 Exhauster shut down @ 1247 hrs Restarted @ 1318 hrs. CAM low-flow to sampler suspected. 296-P-48 (POR-003)

10/8/10 1045 hrs. FRM Call from Scott Conrad. Por 003 down again. Found moisture in CAM and on CAM filter paper. No contamination found. Maintenance to be performed.
WRPS-1001174 Notification to WDOH

10/7/10 1630hrs Mark Garrett, Shift office. At about 16:30, lost power to 200 East Area & Ventilation systems shut down. Power restored within a few minutes. 10/8/10 FRM

FRM At ≈ 1830 hrs., lost 200 E Area power again causing shut down of AW & 702 AZ ventilation systems. Power restored at 2100 hrs. 10/10/10

Able to restart AP & 702 AZ ventilation AN & AW still out due to control system faults as a result of power outage. FP

At 0840 hrs., 702 AZ CAM failed that required shut down of Exhausters,

10/8/10 1500 hrs Contacted Mark Garrett for FRM update of ventilation status AW system restarted at 1430 hrs. AP system restarted @ 2100 hrs on 10/7. WRPS-1002311 Notification to WDOH 10/11/10

10/8/10 0945hrs Received an e-mail from Mark FRM Garrett of shift office. At ≈ 2300 hrs. on 10/7 ≈ 10,000 gal of H_2O drained from evaporator pot to 242-A to 102-AW. Though unexpected, transfer had been planned as finish to Evaporator Run. Power was out to AW exhausters when this occurred due to power outage described above. 10/12/10 FRM

Discussed in detail w/ JC & FVoogd who determined this was not a reportable to Ecology as all transfers occured in the primary systems & were contained. 10/12/10 FP

10/8/10 ~1530 hrs James Hamilton provided e-mail notification to Kristi Wold Ecology regarding startup of ENRAF upgrade work in AW Farm - expected to commence 10/11/10.

10/10/10 ~1800 hrs. Call from Brian Johnson - Shift Office manager. Electrical outage occurred in 200-E & 200W Areas @ 1435 hrs. AP exhauster shutdown & restarted again at 1650 hrs. POR 003 down, restarted & shutdown again & restarted @ 1615 hrs.
Only SYB train exhauster still down. TMAX down as was all computer capability in 2750 Bldg.
WRPS-1002312 for 296-P-48 to WPOH

10/11/10 1125 hrs. SYB Train exhauster restarted @ 11:15. Call from Shift Office.

10/12/10 1030 hrs. Call from Guberski. Power lost to all SY DST ENRAFs @ 10:30. Last valid reading was prior to loss of power.
→ Received a phone call from Guberski @ ~1530 hrs. that the SY ENRAFs were back in service.
- No notification required.

10/12/10 0237 e-mail From Brian Johnson indicating that the SY Farm night shift rounds were not being obtained due to the industrial hazard posed by the on-going construction work. Rounds required by TF-OR-DR-ST. Guberski analysis showed not reportable

10/12/10 1810hrs. Notified by Van Ward - 2225 Lab that ATL clean techs were using a waste catch basin in 2225, Room 15, Hood #2 for an undetermined # of times; in conflict w/ standing Order ATS-2010-107. Notified Lucinda Borneman who is following up on incident. Fact finding session to begin today, 10/13. Violation of Order was by ATL — NOT WRPS.

FRM

10/13/10 0710 hrs. Nancy Forsman, shift Office. @0337 POR 003 went down on tank C-107. Low CAM flow suspected.

FRM

10/13/10 0940 hrs Call from Nancy Forsman, shift Office. POR 008 shut down for maintenance. Expected to go back up about mid-day.

10/14/10 NOTIFIED BY SHIFT THAT 103 AW ANNULUS ZONE IV LEAK DETECTOR IS OUT OF SERVICE

10/15/10 1509 NOTIFIED BY SHIFT THAT STACK CAM'S ON EXHAUSTERS 296-A-28 (AW ANNULUS) 296-P-22 (SY ANNULUS), 296-A-20 (AZ ANNULUS) AND 296-A-43 (702 AZ BLDG) ARE ALL OVERDUE

10/17/10 1556 NOTIFIED BY SHIFT THE PRESSUR DIFF. IS OUT OF RANGE (LOW) ON AW PRIMARY 296-A-46 "A" TRAIN DEENTRAINER. 702 A2 BLDG EXHAUSTER (296-A-43) RECORD SAMPLER IS OUT OF SERVICE DUE TO LOW FLOW

10/18/10 NOTIFIED BY SHIFT THAT 241 AP PRIMARY 0920 HRS (296-A-40) SHUTDOWN. NO APPARENT CAUSE FOR SHUTDOWN. RE-STARTED AT 1120. REPORTABLE. CNS# WRPS-1002314

10/18/10 NOTIFIED BY SHIFT THAT 241 AN (296-A-44) HEATER WAS FOUND OFF. HEATER BACK ON LINE AT 1315. NO APPARENT CAUSE FOR HEATER TO BE OFF. REPORTABLE. CNS# WRPS-1002315

10/18/10 NOTIFIED BY SHIFT THAT POR08 (296-P-47) 1315 HRS EXHAUSTER SHUT DOWN. MAINTENANCE & TROUBLE-SHOOTING. APPEARS TO BE MECHANICAL. REPORTABLE. CNS# WRPS-1002316

* LATE ENTRY/ 10/18/10 NOTIFICATION FOR POR~~08~~03 SC SHUTDOWN ON 10/13/10 SONT AT 1439. CNS# WRPS-1002313

10/18/10 1535 NOTIFICATIONS WRPS-1002314, 1002315, AND 1002316 SENT OFF.

10/18/10 2044 NOTIFIED BY 222 S LABS THAT AN AIR SAMPLE TAKEN DURING WORK AT THE 291S CELL WAS ABOVE LIMITS FOR ALPHA. INITIAL COUNT WAS 13.98 DAC ALPHA FOR THE PLATFORM AND 18.25 DAC ALPHA FOR THE PIT. AFTER A 30 MINUTE DECAY THE READINGS FOR THE PLATFORM WAS 8.41 DAC ALPHA AND 8.49 DAC ALPHA FOR THE PIT.

10/24/2010
JTH
1034 hrs

10/A/10 0845 NOTIFIED BY RETRIEVAL RADCON SUPERVISION THAT AN AIR SAMPLE TAKEN ON 10/12/10 FOR WORK SUPPORTING THE SALTWELL SCREEN REMOVAL HAS NOT DECAYED DOWN BELOW 0.2 DAC ALPHA. THE SAMPLE AS OF 10/A/10 IS READING 0.249 DAC ALPHA REPORTABLE. CNS: WRPS-1002317

0955 SENT OFF WRPS-1002317 NOTIFICATION

10/20/2010 0845 Received On-Call bag and turnover from Scott Conrad. James T. Hamilton JTH

1101 hrs JTH

10/20/2010 1523 hrs JTH Notified by Pat Hurson of a spill of diesel fuel in SY-Farm from crane. See Spill Notification Log for additional details.

10/21/2010 JTH Notified by Phil Treadway that the Vessel Vat for 242-A was shutdown at 1020 hrs and the K-1 building ventilation was shutdown at 1054 hrs. The shutdowns were planned activities in support of the 242-A electrical outage. ALARACT 29 controls will be implemented.

10/26/2010 1335 hrs JTH

2013 hrs JTH CSM, Brian Johnson notified on-call of the inability to obtain nightly 204-AR rounds as a result of insecticide application in the building. The rounds with environmental interest are the catch tank sump and Tank 1 level. The rounds were completed on days and will be performed again on days on 10/22/10. Instructed Brian Johnson to make the appropriate notation that Environmental On-Call was notified. No additional notifications required as we are still maintaining our surveillances to detect a leak within 24-hours by completing the daily rounds.

10/24/2010
JTH
1034 hrs

CSM, Dale Harrison notified on-call of an increase/elevated continuity reading of 4.9 Mohms for annulus leak detector in AW-103. Continuity checks are being performed on the lifted leads on one detector per tank annulus to maintain our required daily monitoring for leaks. Dale was going to call engineering for guidance on the reading. Instructed Dale to keep on-call informed as the result of the discussion with engineering.

1101 hrs
JTH

CSM, Dale Harrison notified on-call that the Engineer On-call, David Bragg, had contacted Darrell Heimberger concerning the elevated continuity reading. Engineering determined that the reading was still acceptable. It would not be of concern until the reading was 8-10 Kohms. Therefore the elevated reading does not indicate a leak. No additional notifications required. Asked Dale to annotate rounds as appropriate.

GS 10/26/10

10/26/2010
1335 hrs
JTH

CSM, ~~[illegible]~~ Brian Johnson notified Environmental On-call of an out-of-range reading for the 2nd Stage HEPA filter on the SY Annulus exhauster. Rounds review showed a reading of "0" with a normal operating range of "0.5 - 3.0" for the pressure differential measurement. The total ΔP measurement across both HEPA filters has not changed and remains constant both before and after this occurrence of the second stage ΔP equal to "0". Brian is going to pass on this information to the West Area Team to investigate the cause. WRPS-AER-2010-3022 has been initiated. Informed team Environmental Field Representative John Gaberski of this occurrence via voice mail. No additional notifications required. See Section 4.5 of 16923

10/26/2010 cont'd 2137 hrs JJH

CSM, Dale Harrison called on-call to notify Environmental of an out-of-range reading for ≤Y Primary B-Train temperature. Inlet air temperature was 51°F and outlet air temperature was 52°F. Therefore indicating either a heater issue or some other outstanding cause.
Informed Dale that I would follow up with Day Shift Operations.

I remote accessed my work email to see if I had any additional information concerning or relating to this event. John Guberski the Environmental Field Representative for the SY-Train team had left an voice mail late in the afternoon (1633 hrs) which provided explanation for the out-of-range reading for temperature. The glycol heater for SY B-Train was turned off to support decon efforts beginning on 10/27/10. The shutdown was a planned evolution to support a work package. I forwarded the voicemail on to Dale Harrison after calling him back at 2200 hrs. John's voicemail states that the glycol heater was taken down at approximately 1600hrs on 10/26/10.

10/27/2010 JJH

I followed up with John Guberski this morning to discuss last nights notification. John informed me that Operations was aware they needed to restore to operation the glycol heater on the SY B-Train by the end of the day-shift today.

0941 hrs

Notified via email from Amanda Borseman of a small Hydraulic leak at 222-S which occured yesterday 10/26/10. See spill notification log book for additional details.

10/27/2010 cont'd 1015 hrs

1015

1206

1010

1102

1017

10/27/2010 Turnover to Shelly Doss the oncoming
cont'd Environmental-On-Call.
1015 hrs James Hamilton JTH

10-27-10 S. Doss
1015 Received turnover from J. Hamilton. SD

1206 Notified by shift office that 7 fluorscent light bulbs were broken in the North 2750 parking lot during loading/unloading supplies. The light bulbs contain <0.05 lbs of mercury. They will receive a hazardous waste code for disposal, however ~~they~~ this is not immediately reportable to WDOH.E. SD 10-27-10 SD 10-27-10
The bulbs were broken @ ~1115 this morning. I have informed the building administrator & property management this needs to be cleaned up within 24 hrs. If it is not cleaned up within 24 hours, this will be reportable to WDOE as the bulbs contain mercury. The building administer will keep me informed of the progress. - See Spill Logs for this entry also. SD

10-28-10 S. Doss
1010 Notified by J. Gubeski the 296-P-23 (SY-B Train) glycol heater is back in service. See 10-25-10, 2137 entries for details. SD

1102 Notified the light bulb breakage (see 10-27-10, 1206 entry) was cleaned up @ 1055 today. No notifications are required. SD

10-29-10 S. Doss
1017 Received call from 222-S shift manager that in 2E (room) an 8-10 ml of sulfide was spilled. The MSDS stated the solution was 99% water and <0.5% sulfide. The spill is being cleaned up and is not reportable. SD

11-1-10 S. Doss

1514 Received call from J. Cubenski stating the 296-P-~~23~~ 22 (SY-Annulus Exhauster) was shut down @ 1429 for a planned maintenance outage. The exhauster is expected to be brought back on-line by 11-6-10. (SD)
WRPS-1002318

11-2-10 S. Doss

0812 Sent notification for 11-1-10 entry for 296-P-~~23~~ 22. SD. 11-2-10
CNS-WRPS-1002318. (SD)

11-3-10 S Doss

0800 Provided turnover to J. Voogd. (SD)

~~11-3-10~~ 0820 Late entry for 11-2-10.
At 1453 a revised reportable to WDOH was issued. CNS-WRPS-1002318 (See 11-1-10 entry @ 1514 and 11-2-10 entry @ 0812) was re-issued as Revision 2. The wrong exhauster number was entered on the original. The 241-SY Annulus exhauster is 296-P-22, not 296-P-23 as I had originally listed. (SD)

11/3/10 0930 Received a call from SY farm project W-566 field work supervisor regarding soil contamination found during excavation found near riser 22 at TK-SY-102. Contamination reported at approx 400,000 dpm B/g. DWP safe condition limit is 500,000 dpm. Soil is being maintained damp, project will consult with Rad Con and plan next actions. Contacted Cnv. field rep. (Subenski) and provided states. FWS is Chuck Willoby, American Electric.

11/5 0830 jaw — Received a report from AN/C area day shift manager that workspace air sample for C-107 pipline cutting activity registered 6.12 DAC alpha yesterday. It has decayed down to 1.14 DAC as of today. Notification WRPS-1002319
AKI sample was < 0.2 DAC

11/5 1335 jaw — Received a report from AN/C area day shift manager that AKA sample for C-112 video camera installation registered 38 DAC alpha and < 0.03 β/γ DAC. Notification WRPS-1002320

11/5 1610 jaw — Received report from retrieval Rad/Con that C-107 low vol air sample was 16 DAC alpha, initial alpha. 10 minute decay was 6 DAC alpha. AK1 sample was 0.78 DAC alpha and < 0.20 DAC β/γ.
Notification WRPS-1002321

11/8 0930 jaw — Received report from S/SX/SY shift managers office that breather filter for the cross-site vent station 6241-V, FMID 05891, did not receive the annual challenge test within 365 days. Shift office reported an inaccurate date entry into Champs for the due date. Field Work Supervisor is scheduling to complete the task tomorrow. Next date (365 due date) was 10/14/10. Notification WRPS-1002322

11/8 1643 jaw — AN/C Shift Office reported that operations found POR-08 shut down during rounds on Monday. Controller readings show the exhauster shut down on Saturday 11/6 at 0245 am due to high filter DP. C-111 flushes have been completed. No waste disturbing activities ongoing.
Notification WRPS-1002323

11/12/10 WRPS 1002324 0:740 clm	Notified DOH via email of Breather Filter Challenge Test Failure. Test occured on 11/10/10. Filter Failed with a high d/p and low air Flow. Passed aerosol Test. Filter (FLT-3185) is on 6241 Vent station. Determination of Failure was on 11/11/10 PER WRPS-PER-2010-3164 was written (Late entry by Clm 11/15/10)	11/15/10 11/19/10
11/12/10 07:40 clm	Received call from Brian Johnson of SY Farm Primary Exhauster Failure. Notification WRPS-1002325	
11/12/10 19:42 clm	Received call from Shift office Dale Harrison. Notification that SY exhauster still down and they were not going to be doing rounds due to electrical outage	11/21/10
11/13/10 14:35 clm	a) Shift office (Brian Johnson) called to notify the electric generator in SY farm went down and could not be restarted at 1269 it was secured at 1320. (No report required since generator was not for annuly 11/15/10 ok)	11/22/10
	b) Also stated that SY exhauster was still down and the SY annulus was intentionally shut down. Farm is still in an electrical outage so no rounds will be done this evening.	1125 CVS-WRPS-1002328
11/14/10 16:11 clm	Shift office (Brian Johnson) called to say that AW Primary Stack had zero flow at 10:53. At that time the exhaust system was swapped from B to A train. SWAP was completed at 12:11. Notification WRPS-1002326	1216
	b) SY Exhauster was still down. They had tried to unsuccessfuly start it during the day	1342

11/5/10 Engineering has determined that the 6241 vaw station filter failure (see 11/12/10) was a failure. The filter will be changed on or before 11/25/10.

11/19/10 Informed by AN area day shift mgr that AN/AW sampling loop filters cannot be exchanged As HMI is not communicating with exhausters Thus cannot put CAM in bypass

11/21/10 1507 Notified by Central shift office Mgr that AN-A train heater is not working Cannot start B train due to AMI communication problems.

11/22/10 WDOH notified of required abatment control technology (heater) not in service for 296-A-44 & why 296-A-45 unavailable. WRPS-1002327 (CNS#)

11-23-10 S. Doss

1125 Notified by AN Shift Manager (N. Foresman) 296-P-48, was discovered shut down this morning. Per the HMI, the exhauster shut down 11-22-10 @ 2325 due to vacuum low Sample Flow on the CAM. 296-P-48 is ventilating C-104. Notified Ms. Foresman this is reportable to WDOH & she will let Central Shift office know of the shut down and reportable to WDOH. (SN)

CNS-WRPS-1002328

1216 Sent WDOH notification for CNS-WRPS-1002328. (SN)

1342 Notified by Central Shift Office the 296-A-40 (AP-Primary Exh.) Record Sample is out of service. The CAM is operational. This unit is required to have 2 weekly samples/quarter. This requirement has been met. I informed Shift manager, Brian Johnson,

11-23-10 Cont. S. Doss

1342 Continued no waste disturbing activities could take place in AP-Farm while ~~exhauste is~~ SD 11-23-10 record sampler is out of service. Instructed Shift Office to notify me if CAM fails. This is not reportable to WDOH. (SD) 1935

1540 Received email from J. Gubenski regarding the change out of the 6241 HEPA Breather filter. The filter (new) would not fit smoothly in the filter holder. Todd Synoground notified J. Voogd at today at 1432 of the filter not fitting. J. Gubenski was notified earlier today and at 1320, left a voice mail with John Schmidt of WDOH and a voice mail with John Martell at 1530 stating the new filter would not fit. The filter is valved out at this time. Gubenski also told WDOH a path forward with engineering next week. ~~NOSD~~ 11-23-10 Per Gubenski and Voogd, no further notifications to WDOH are required. (SD) 1510 1515

11-24-10 S. Doss 1615

0912 CNS-WRPS-1002329 Notified by shift office the 296-P-23 (241-SY-B-Train) was discovered shut down at 0904. The A-Train is out of service. Will send reportable in on 11-29-10 as it is our first day back after holiday. (SD)

1545 Notified by shift manager the HMI for AN Primary exhauster is out of service. The AN-A-Train (296-A-44) is running. The following reading could not be taken due to the HMI being down: 2205

1) pre-filter dp - cannot obtain reading
2) Filter 1 dp - cannot obtain reading
3) Filter 2 dp - cannot obtain reading 2206
4) Filter 1 & 2 overall - ~~cannot~~ SD 11-24-10 cannot obtain reading
5) 1st HEPA Inlet temperature - cannot obtain reading
6) No heater readings. (SD)

11-24-10 Continued S. Doss

1935 Notified by shift manager that no readings will be taken tonight in SY-Farm on Annulus exhauster (296-P-22) due to Primary exhauster being down and having to go into farm on SCBA. Temperatures are <10°F, snow, ice & is un safe to send personnel into Farm on SCBA. Reading were taken on day shift and were normal (within range). SD

11-25-10 S. Doss

1510 Notified by shift office the 296-A-44 (241-AN-A-Train) HmI is now working. Reading obtained and all were in range. SD

1515 Notified by shift office the 296-P-22 (SY-Annulus exhauster) VTA readings could not be obtained due to lack of HPT support. Farm is Posted as a VCZ due to SY-Primary exhauster being down due to outage. SD

11-28-10 S. Doss

1615 Notified by shift manager the 296-A-44 (AN-A-Train Primary Exh.) inlet filters had to be closed due to freezing. The primary is in by-pass. The vacuum gauges (dp's) are going up close to the freezing inlet filters. Filters closed & exhauster placed in by pass at 1300 today. SA

2205 Notified by shift manager the 296-A-46 (AW-A-Train Primary Exh.) primary [redacted] inlets were closed, due to freezing, and the primary exhauster was placed into by pass. These were closed & exhauster placed into by pass at 2200. SD

2206 Notified by shift manager the 241-SY-101 & SY-102 primary inlets were open @ 2140 today. SD

11-28-10 Continued S. Doss

2207 Notified by ~~shiff~~ 11-28-10 shift manager the 296-A-41 (241-AP-Annulus Exh.) was shut down @ 2118 today due to Vacuum gauges (dp's) increasing. Inlets (filters) looked clear however freezing fog is expected to be reason for increasing dp's. (SD)

2254 ~~105~~ 11-28-10 ~~11~~ 11-28-10 Notified by shift manager the K-2-5-3 ~~(29 @ A~~ 11-28-10 242-A Evaporator was shut down @ 2251 due to the VFD making noises. No transfers or campaigns are on-going. This is on the "cold" side of the building and is not reportable to WDOH.

11-29-10 S. Doss

0945 Notified by J. Guberski of motor oil spill from a diesel generator outside of 241-SY-Farm. Approximately 1 gallon of motor oil leaked to the snow/ice/ground. The spill is ~30" wide by 7' long and ran down the hill. It was discovered today @ 0730. See spill log dated today for further information. (SD)

1045 Notified by Ben Davis (RedCon 1st line) the 10-day decay count for the 241-C-107 Caisson removal is reading 0.24 DAC α and 0.004 DAC βγ. The air sample (work place) did not decay to < 0.2 DAC α. Mr. Davis requested I call the shift manager and let him know as this is reportable to WDOH. (SD)

CVS-WRPS-1002330

1210 Notified Shift office (Dale Harrison) of the elevated work place air sample (see 1045 entry dated today) and this is a notification to WDOH. CVS-WRPS-1002330. (SD)

1215 Late Entry

At 0930, 11-29-10, notified by shift manager.

11-29-10 Continued S. Dass

1215 Continued the 296-P-23, SY-B-Train Primary exhauster was returned to service on 11-29-10 @ 0715. The PLC was re set and is running normally. SD

11-30-10 S. Dass

0910 Received notification from Lucinda Borneman that the 296-S-21 (222-S Labs) has a low vacuum to the fans. Both fans are in operation. Access to the labs is restricted until vacuum flow is restored to normal ranges. Not reportable to WDOH per L. Borneman. SD

1201 Received notification from L. Borneman the 296-S-21 is still running but continuing to have low vacuum (flow) to the fans. Access is still restricted to the labs. An early release due to hazardous road conditions has been announced, so the labs will stabilize the 296-S-21 and non-essential personnel will be leaving. SA

12-1-10 S. Dass

0905 Came turnover to F. Micro. SA

12/2/10 1250 hrs. Call from Kelly Smith - 4 Complex Shift manager. A 5gal increase noted in 204 AR Tank from 875 gal. to 880 gal. suspect that may be due to instrument drift. Will continue monitoring. FRM

Follow-up on 12/7 w/ Smith. Level was stable at 880 gal., w/ no evidence of intrusion. Suspect that slight increase in reading due to instrument shift. Will continue monitoring.

12/3/10 1230 hrs. AY-101 Enraf to be declared out of service. Work package submitted for repairs.

Follow-up on 12/7. Enraf repair work for AY-101 scheduled for week of 12/13. Will be taking dens: tometer readings to determine tank waste levels.

12/8/10 0700 hrs. Turn-over of on-call duties to Scott Conrad.

12/10/10 1348 NOTIFIED BY SHIFT THAT AN PRIMARY 296-A-44 CAM HAD NO FLOW REGISTERING, VACUM PUMP IS BAD. SWITCHED FROM "B" TRAIN TO "A" TRAIN

1619 NOTIFIED THAT THE RECORD SAMPLER ON 241-SY 296-P-23 ("B") TRAN HAD LOW FLOW. MAINTENANCE TO TROUBLESHOOT.

12/11/10 1457 NOTIFIED BY SHIFT THAT ANNULUS ENRAF'S ON AW 102 WERE OUT OF RANGE AS SPECIFIED ON THE ROUND SHEET. READINGS ARE AT .21. THIS IS NOT REPORTABLE. THOUGHT TO BE INTRUSION FROM SNOW MELT.

12/14/10 NOTIFIED THAT 296-A-44 (241-AN) EXHASTER HEATOR IS O/S. SWITCHED TO 296-A-45 "B" TRAIN

12/15/10 0936 hrs

1526 hrs JTH

12/16/10 1706 hrs JTH

2059 hrs JTH

12/14/10 1300 NOTIFIED BY SHIFT THAT TWO SURVEY POINTS ON C-111 DUCT WORK WERE FOUND TO BE ABOVE REPORTING CRITERIA FOR CONTAMINATION LEVELS ON THE FLANGES. RESULTS ARE 85,000 DPM/100 cm^2 BETA GAMMA, NO ALPHA, ON SURVEY POINT # 12. 15,000 DPM/100 cm^2 BETA GAMMA, NO ALPHA ON SURVEY POINT # 11. OPERATIONS WILL DECONTAMINATE AND APPLY SILVER METAL TAPE TO FLANGE SEALING SURFACE. REPORTABLE. CNS: WRPS-1002331

1432 NOTIFICATION E-MAIL SENT TO WDOH

12/15/10 0936 hrs — Recieved turnover from Scott Conrad Late entry. [signature] JTH

1526 hrs JTH — Notified by Phil Treadway that K-1 Building Exhauster C.i.e. 296-A-21) was shutdown due to planned maintenance to perform instrument upgrades @ 0830 hrs. The instrument upgrades are not being performed on the K-1 Exhauster itself but rather on a system (RC-1) that shares the same electical circuit which is now under lock and tag to perform work. Expected time to complete this work on the RC-1 upgrades is two-days. ALARACT 29 requirements are being implemented per TFC-WO-

12/16/10 1406 hrs JTH. — Notification by Carl Wallgren 12/16/10 of a spill of compressor oil x 2 pints found by contractor. See Spill Notification Log for additional discussion.

2859 hrs JTH — Notification by Dave Sanressig of Retrival & Closure that the POR 3 Exhauster was being started to support cutting activities for C-107 starting on days on Friday, 12/17/2010. Informing on call

12/16/10 2059 hrs cont'd JTH

that the procedure for operating POR 3 allowed them to "N/A" a step associated with the breaker providing power to the heat trace to the condensate drain line. Dave said the "high-level" alarm in the seal pot would protect the system from overflowing as it would shutdown the exhauster should the drain line freeze. I asked if this circuit also powered the heaters which protected the HEPAs from being saturated with moisture. Dave said no as the heaters on POR 3 are glycol based. Operations to monitor system closely.

12/17/10 0834 hrs late entry JTH

Recieved phone call from Jim Crockett informing me of a water discharge that occurred across the street from PUREX. Initial report was that an estimate of 540,000 gallons was ~~released~~ released to ground through existing RBA and into the WIDS sites: 200-E-43, UPR-200-E-88. The WIDS site identification was provided later by Tom Pysto of MSA during a phone call. John Guberski and I performed a field visit to the jobsite of the 2/8A Conditioned Storage Building - 2[illegible]A. Multiple contacts made throughout the day. See Spill Notification Log. Notification sent to Ecology; Stacey Nichols CNS # WRPS-1002332 at 1427 hrs. Central Shift Office Notified prior to sending notification in person. Shift Manager on duty Dale Harrison. Followed up notification to Ecology with a phone call to Stacey Nichols. Left voicemail as Stacey Nichols was not in. Phone call placed @ 1500 hrs. List of Individuals involved ~~in~~ in todays discussion: Jim Crockett, WRPS Dale Harrison, WRPS Tom Pysto, MSA John Guberski, WRPS Jim Shoemaker, Apollo Sam Baker, MSA Ruth Allen, WRPS Jeff Voogd, WRPS Sam Camp, MSA David Phipps, CHPRC John Price, Ecology, Greg LeBaron, CHPRC

12/20/10 1307 hrs JTH — Received notification from Kelly Smith the Day Shift Area Manager for Team AZ the following:
(1) AY102-WSTA-LDT-151 is reading .10 which is below the minimum range of .11. Kelly stated the two other leak detectors are reading normally and within range. Operations to monitor closely.
(2) BFP-5 located at 204-AR lifted and emitted 20 gallons to catch tank. Initial reading of catch tank was 880 gallons and final reading after event was 900 gallons. Tank limit is 1,000 gallons. BFP-5 has been isolated by valves 2 & 3. Maintenance to investigate.

1506 hrs JTH — Notified by 242-A Shift Manager, Phil Treadway that K-1 Exhauster (296-A-21) was returned to service at 1335 hrs.

12/21/10 1235 hrs JTH — Notified by 242-A Shift Manager, Phil Treadway that K-1 Exhauster (296-A-21) was shut down for planned activity to support instrument upgrade work. Phil to restore K-1 Exhauster to service later today. Time exhauster was shut down was 0930 hrs.

12/21/10 1405 hrs — Turnover with Jeff Voogd. [signature]

12/21/10 1415 JAW — Received a call from 242-A, K-1 exhauster returned to service.

12/21/10 1630 — Base Ops central shift office reported that a pipe fitter and NCO were contaminated, negative nasal smear. ~~decon~~ The employees were decontaminated and taken for whole body count. Employees had been working in C farm. Made courtesy call to John Martelle WDOH to advise of situation. Rad con was preparing for a sweep of C farm.

12/22/10
0820
jaw

Called Central Shift Office to obtain status of C farm radiological surveys. CSO reported that contamination found in the change trailer and at lock bodes for labor and pipefitters. There were no reports on the whole body count for the contaminated NCO and pipefitter. The coned box has been locked and posted. A phone message was left on John Martelli's phone relaying the results.

12/29/10
835
dlm

12/29/10
1205
dlm

12/23/10
1210 hrs
jaw

see spill log - 12 drops hydraulic fluid in C farm

12/29/10
dlm

12/27/10
1230
jaw

Returned a phone call to Area Shift Manager for AN-C farm. Shift manager reported that Rad Con found 300 dpm contamination on a flat flange connection for the 70K-08 exhauster in C farm, survey point 15, duct run to C-111. Rad Con went back out to decon & resurvey. Surface did not ~~fail~~ decon. Foil tape put on flange 15 mating surfaces. No contamination found on the soil. Notification 1002333 sent 12/28 1210

1/2/11
14:11
dlm

12/28/10
1030
jaw

The Manager of Waste Management reported that a small quantity of liquid went from waste packaging to the soil in the 616 storage yard. see spill log for additional information

12/28/10
1630

ANSI N13.1 Inspection of 702-A2 has been delayed due to ongoing project work on 702-A2 exhauster controllers. Notification 1002334

1/3/11
10:15
dlm

12/28/10
2057
jaw

Sent From Central Shift office reported that A4-102 annulus exhauster passed HEPA challenge test. Fan secured after the test.

12/29/10 0935 clm — Notified of antifreeze spill from 20 Ton crane. See spill log

12/29/10 1205 clm — Notified by Kelly Smith that AY-102 Annulus Leak detector was reading below range. The detector in question is WSTA-LDT-151. Two other Leak detectors are operating within range. The detector will be monitored for a few days and a calibration package issued if it does not come back within range.

12/29/10 clm — Notified by Rajiv Malhan (Shift Office) That after SX-112 and SX-114 Breather Filters were replaced, The isolation Valves reopened. This happened for SX-112 at 10:30 and SX-114 at 10:34. Received Notification at 3:25 PM. Notification was to say that the breather Filters were back in operation

1/2/11 14:11 clm — Notified by shift office that A Train Primary exhauster record sampler air flow was out of range on the high side. It was found during routine checks to be 1.96 when the operating range is 1.4 - 1.9. There were problems the previous day but it was able to be adjusted within range. Determined to not be reportable since SY is a minor stack and continuous monitoring is not required.

1/3/11 10:15 clm — Notified by Dave Straugser That POR-03 Shut down on 12-31-10 at 04:07 AM. Shut down was caused by Too Much Vacuum in The High Plenum. A Vacuum gauge is reading erroneously and will be repaired. Shut down was not noticed until this morning due to Holiday. Notification WRPS 1002335

2011

12/29/10 0935 ulm — notified of antifreeze spill from 20 Ton crane. See spill log

12/29/10 1205 ulm — Notified by Kelly Smith that AY-102 Annulus Leak detector was reading below range. The detector in question is WSTA-LDT-151. Two other Leak detectors are operating within range. The detector will be monitored for a few days and a calibration package issued if it does not come back within range.

12/29/10 ulm — Notified by Rajiv Malhan (Shift Office) That after SX-112 and SX-114 Breather Filters were replaced, The isolation Valves reopened. This happened for SX-112 at 10:32 and SX-114 at 10:34. Received Notification at 3:35 PM. Notification was to say That the breather filters were back in operation

1/2/11 14:11 ulm — Notified by shift office That A Train Primary exhaust. Record sampler air flow was out of range on the high side. It was found during routine checks to be 1.96 when the operating range is 1.4 - 1.9. There were problems the previous day but it was able to be adjusted within range. Determined to not be reportable since SY is a minor Stack and continuous monitoring is not required.

1/3/11 10:15 ulm — Notified by Dave Strausser That POR-03 Shut down on 12-21-10 at 04:07 AM. Shut down was caused by too much vacuum in The High Plenum. A vacuum gauge is reading erroneously and will be repaired. Shut down was not noticed until this morning due to Holiday. Notification WR#s 100235

1/3/11 Notified by Dale Dykeman that Quarterly Leak detection for 244-A Lift Station was not conducted. Workers attempted to enter area but Flammable gas reading were too high and they had to exit.
10:45 clm

1/4/11 Notified by Shift Manager of a diesel spill in e farm. see Spill log.
1500 CLM

1-5-11 S. Doss
1030 Received on-call beep from C. Mulkey. No turnover to report. Reviewed log book. SDoss

1-7-11 SDoss
0955 Notified the 296-A-42 (702-AY/AZ Primary Exh.) was restarted on 1-6-11 @ 1755.

1430 Notified the 241-AY-102 Annulus Exhaust is out of range. It has been out of range since 12-20-10 and has not been placed on the Daily Report, Environmental Out-of-Service Section. 1-7-11 I will send an email requesting it to be placed on the O.O.S. equipment list. (SD)

1455 Notified the Day & Night rounds for 702-AY/AZ Primary Exhausts (296-A-42) night rounds were not performed on 1-6-2011 as required. Only the temporary rounds from Operational Acceptance Test (OAT) were taken. I will send an email stating normal day and night rounds are required to be taken as the OAT rounds do not contain all of the required readings. The day shift rounds were taken today & the OPS-5 for the record sampler was posted. (SD)

1-7-11 Continued S. Doss

1637 Sent email to Tank Farms Shift Operations and cc'd J. Donnelly, L. Penn, D. Moser, S. Metzger, and J. Voogd that the 241-AY-102 Annulus ENRAF is out of range and has been since at least 12-20-10 and the 90-day repair clock began on 12-20-10. Requested it be placed on the Daily Report under the Environmental O.O.S. equipment. The readings have been out of spec as of at least 12-20-10 and the readings are not valid. (SD)

1652 Sent email to Tank Farms Shift Office and cc'd J. Donnelly, L. Penn 1-7-11 SD, and J. Voogd stating the normal day and night rounds for 296-A-42 (702-AY/AZ Primary Exhauster are to be taken. The rounds listed in 241702AZ-OAT-0004, Rev. 0, Operational Acceptance Test for 241-AZ702 1-7-11 SD MCS Upgrade Appendix 1: Start, Stop, and Operate AY/AZ Tank Ventilation Primary Exhaust 1-7-11 SD System Operating Instructions, Table 1 can be performed in addition to the required normal day & night rounds but cannot replace the rounds. (SD)

1-9-11 S. Doss

1250 Notified the 241-AW-102 annulus ENRAF is out of range and has been since at 1-9-11 SD least 12-11-10. Requested shift manager to add to the Daily Report, Environmental OOS section. (SD)

1-10-11 1-10-11 SD S. Doss

0805 Notified the 244-S DCRT compressor will be out of service to perform calibrations on the pressure indicators. The reading will be taken prior to shutdown and the compressor is anticipated be be back online tomorrow. (SD)

1-10-11 SD

1-10-11 Continued S. Doss

0854 Received email from K. Smith, R. Brooks, & Steve Metzger stating the 241-AY-102 Annulus ENRAF is out of range but is still giving valid readings. They will not add it until the calibration is performed and it is declared out of service. This has been out of range since at least 12-20-10. SD

0913 Sent email to K. Smith, S. Metzger, & R. Brooks and cc'd J. Donnelly, L. Penn, & J. Voogd stating the ~~1-10-11~~ 241-AY-102 ENRAF has been out of range since 12-20-10 and this is out of service. Request again this be add to the Daily Report, Environmental O.O.S. equipment. SD

1255 Notified the Primary ENRAF's for AW (all ENRAF's on all Primary Tanks 1-6) are Out of Service for an outage. In addition the 241-AW-101, AW-104, & AW-106 Primary Tank Manual Tapes are Out of Service. SD

1300 Contact J. Hamilton ~~1-10-11~~ to request email to w DOE for Tank level outage information for 241-AW-Farm.

1631 Received email from J. Hamilton. Per mail, only 1 reading per tank is required for/during outage. SD

1-11-11 S. Doss

0800 Reviewed daily reports & neither AY-102 or AW-102 Annulus ENRAF's are listed as OOS equipment. I will follow up w/ J. Donnelly. SD

0845 Notified the 244-S DCRT air compressor was returned to service @ 2030 hrs on 1-10-11. SD

Late Entry 0900 - on 1-10-11 @ 1534, Sent courtesy email to WDOH notifying them the 296-A-42 had been re-started on 1-6-11 @ 1755. SD

[redacted]

1-12-11 S. Doss

0945 Received notification from Env. Field Rep. S.
CNS - Conrad, that a bolt from the duct work being replace
WRPS - on survey point 12 is reading 300,000 dpm/100cm² βγ
1004027 and 98 dpm/100cm² α. This was found during work on
1-11-11 @ ~1345. 296-P-47 was ~~operating~~ not operating 1-12-11
and this is on the 241-C-111 portion of the duct work.

1130 ~~1120~~ 1-12-11 Notified Shift ~~manager~~ 1-12-11 manager of reportable to
WDOH for the duct work (see 0945 entry dated today). SD

1130 Sent email notification for 241-C-111 duct work.
CNS-WRPS-1004027. SD

1630 Turned over on-call to F. Micra. SD

1/13/11 0917 Notified by Rosa Contreras, Base Ops
RadCon that air samples removed
from 241-AN-B train were wet. CAM had
fluid draining from the samples after it was
opened to retrieve the sample. Liquid was
collected on an absorbent pad, and the
pad surveyed for Rad. No Rad detected.
Samples were placed in sealed petri disks.
[296-A-45; WRPS-1004028]

FRM

1/14 1050 Matt Kellers, shift office; unplanned
shutdown of AW A train. suspect
due to PDIT that failed and spiked
@ > 5.9 (#AW105-WFT-PDIT-251).
~~Restarted~~ Down @ 0414; Restart @ 0430
Down @ 0755; Restarted @ 0830
Down @ 0900; Restarted @ 0915
[296-A-46; WRPS-1004029]

FRM

~~1/14~~

1/14/11 1630 FRM	Brian Johnson, shift office. AW primary exhauster went down @ ~~[illegible]~~ 0814; down 2 or 3 times and restarted each time. Last start at 0926, & still up. Verification of earlier notice -	1/19/11 DO 2010
1/15/11 0915 FRM	Dale Harrison shift office. SY exhauster, swapped out B train, turned on A train to change CAM on 1/14 during swing shift. No issues	1/20/11 DO 0800hrs
1/17/11 0920 FRM	AN Zone 2 Annulus leak detector in alarm. Cause was suspected to be moisture from weekend precipitation. Two other annulus alarms were functioning properly.	1/22/11 DO 0830
1/17/11 1430 FRM	Rajiv Malhan. While changing filter paper in SY-B, wind blew filter screen off and it was lost. The filter screen will need to be replaced before SY-B is restarted.	1/24/11 DO 1729hr 2015h
1/18/11 1640 FRM	Scott Conrad, Environmental Field Rep. On C-111 duct work 300K d/m/m found between survey points 11 & 12. ≈ 2' x 2' area on ground. This was part of the same survey reported on 1/12/11 (p. 231 of log book). Discussions w/ Jeff Voegd & concluded that this matter needs to be discussed at the next RTAW with DOH. Scott has the action. Need determination as to whether re-curring surveys need to be formally reported, or if e-mail will suffice.	1/25/11 DO 1520hrs

1/19/11 DO 2010 — Central shift office - 702 A4/A2 primary exhauster manually shut off at 1804hr. Also A4-101 and A4-102 annulus exhauster manually shut down, at 2208 and 2203 hrs.

1/20/11 DO 0800hrs — AP environmental specialist was notified the AP-105 primary tank ENRAF was out of service at 1532 hrs on 1/19/11.

1/22/11 DO 0830 — Central shift office called to report 702 A2 Building exhauster has low flow for stack record sample and low flow to stack beta-cum. Also the 702 A4/A2 primary exhauster was manually restarted for construction acceptance testing.

1/24/11 DO 1729hrs — 222-S operations called to inform the 296-S-21 stack will be taken offline for planned calibrations.

2045hrs - 222-S informed the 296-S-21 stack was re-started upon completion of calibrations.

1/25/11 DO 1520hrs — Recieved call from central shift office that a forklift in transit to 241-BX RMA was noticed leaking radiator fluid. The vehicle was parked in the RMA with a drip tray.

1/26/11 1500 NOTIFIED BY SHIFT THAT 105 AP PRIMARY ENRAF RETURNED BACK TO SERVICE

22

1/26/11 2030 NOTIFIED BY SHIFT THAT AN 107 ANNULUS LEAK DETECTOR ZONE III IS IN ALARM. UT TESTING IS BEING PERFORMED IN THIS TANK. NOT REPORTABLE.

02/04/2011 1433 hrs cont'd

1/28/11 1400 NOTIFIED THAT VTA BELT REPLACEMENT WAS COMPLETED ON SY EXHAUSTER

1/31/11 2030 NOTIFIED BY SHIFT THAT AY ANNULUS 102 LEAK DETECTOR WAS SLIGHTLY OUT OF RANGE AT .10. NORMAL LOW RANGE IS .11. NOT REPORTABLE

02/05/2011 1539 hrs [illegible]

1/31/11 2040 NOTIFIED BY SHIFT THAT AN 107 ANNULUS ZONE IV LEAK DETECTOR IS IN ALARM. UT TESTING IS BEING PERFORMED IN THIS TANK. NOT REPORTABLE.

2/1/11 1846 NOTIFIED BY OE THAT THE ISOKENITIC ALARM WAS ACTIVATING EVERY 30 SECONDS OR SO ON 702 AZ PRIMARY FAN (B-TRAIN). OPERATIONS INCREASED AIR FLOW TO STABILIZE.

02/02/2011 ≈0900 hrs Received turnover from Scott Conrad. James T. Hamilton [signature]

02/04/2011 1433 hrs Received phone call from Central Shift Manager Brian Johnson to report per section 4.7 of the Environmental Notification Procedure, ~~to~~ 02/04/11 "Annulus leak detection probe elevations that are outside the elevation band prescribed by the operator rounds sheets"

1. SY 103 riser 9D over range @ 0.23
2. AW 102 LDT-153 over range @ 0.21
3. AY 102 riser 88 under range @ 0.10
4. AN 107 zone 3 locked in alarm

Asked if zones 1+2 were in alarm answer was "No".

[redacted]

02/01/2011
1433 hrs
cont'd

Asked if there was any reason to suspect the alarm was due to an active leak, answer was "No". (See entry from 01/26/11 made by Scott Conrad concerning UT testing for AN 107) Sent email to Area Managers, Day-Shift area managers, and affected Environmental Field Representatives for follow-up. Not Reportable at this time.

02/03/2011
1539 hrs
Late Entry

Received phone call from Central Shift Manager, Brian Johnson to report AN-107 Zone 3 leak detector is no longer in alarm as of 1515 hrs. See entry on 02/01/2011 @ 1433 hrs for background information.

02/04/2011
1433 hrs
cont'd
JD

Asked if there was any reason to suspect the alarm was due to an active leak, answer was "No". (See entry from 01/26/11 made by Scott Conrad concerning UT testing for AN 107) Sent email to Area Managers, Day-Shift area managers, and affected Environmental Field Representatives for follow-up. Not Reportable at this time.

02/05/2011
1539 hrs
Late Entry
JD

Received phone call from Central Shift Manager, Brian Johnson to report AN-107 Zone 3 leak detector is no longer in alarm as of 1515 hrs. See entry on 02/04/2011 @ 1433 hrs for background information.

02/08/2011
0830 hrs
JD

Phone call placed to WDOH to discuss 296-A-28, AW Annulus Exhauster planned shutdown to support "old" primary exhauster removal for AW Farm. Phone calls placed to Randy Utley and John Schmidt. Neither Randy or John were available; voicemails were left. Jeff Voogd described that the annulus exhauster was being shut down due to an industrial worker hazard due to the colocated work of removing the "old" AW primary exhauster. Jeff Voogd and James Hamilton from WRPS participated in phone call.

02/08/2011
0947 hrs
JD

Phone call received from Matt Cuttlers stating that AW annulus ventilation 296-A-28 was secured at 0945 hrs. This phone call was prompted based upon discussions that I had with Matt after the conclusion of my meeting with Jeff Voogd and the placement of phone calls to WDOH. (See entry dated 02/08/2011 @ 0830 hrs.) Matt will call again once ventilation is restored to the AW annulus exhauster by the end of day-shift today.

02/08/2011
1438 ~~1436~~ hrs
02/08/11
JD

Phone call received from Matt Cuttlers stating that AW annulus "A-Train", 296-A-28 was returned to service at 1436 hrs.

~~02/09/2011 0840 hrs~~ ~~Turnover of on-call responsibility to Jeff Voogd.~~ ~~James T. Hamilton~~ ~~JTH~~ 02/09/2011 0905 JTH 2/10/11 jaw

02/09/2011 0901 hrs late entry JTH

Received phone call from Kelly Smith Day Shift Area Manager for Team A7 informing the on call that the 204-AR Tank Level was not obtained on day shift rounds, AR204-WT-LI-101. Operators found the air compressor which provides air to the instrument not running and the electrical breaker was tripped. Operations will be initating actions to have maintenance troubleshoot the compressor to determine the cause. We also discussed what other ways are available for taking level measurements of the tank. Kelly offered up the previous activity of taking level measurements using a Druk instrument. Kelly was going to look for the work package/procedure to do so. This was going to be performed in parallel to troubleshooting the air compressor. Phone call was received on 02/08/2011 @ 1501 hrs. Not Reportable 2/10/11 0930 2/10/11 2340 jaw 2/11/11 1030 jaw

02/09/2011 0933 hrs JTH

Received phone call from Matt Cuttlers stating that AW Annulus, "A-Train" was shut down @ 0928 hrs to support colocated work for the old AW Primary exhauster removal. See earlie entrier in the Notification Log dated 02/08/2011 @ 0947 hrs. Matt Cuttlers stated he would call the on call again once system was returned to service. 2/11/11 1250 jaw

02/09/2011 1045 hrs

Turnover of on call responsibility to Jeff Voogd James T. Hamilton JTH 2/11/11 1430 jaw

2/9/11 1520 jaw

Received call from Matt Cutlers. AW-A Annulus exhauster restarted @ 1456 hours. Filters have been removed from old B train primary exhauster. Plan to remove old A train primary filters on 2/11/11. 1/14/11 1600 jaw

[redacted]

2/10/11 0905 JAW — Matt Cutlers called to report that AW-A annulus exhauster shut down for work on old AW-B primary system at 0837.

2/10/11 0920 — Received a call from Rajiv Makhan. SY-A train flow transmitter and instrumentation will ~~be missed~~ be performed after the due date. SY-A is operating while maintenance is being performed on the SY-B glycol heater. Maintenance on SY-B expected to continue for at least one more week. SY-A calibrations are anticipated to be complete approx. 2-23-11. JAW

Notification # WRPS-1100368

2/10/11 1440 JAW — AY/AZ day shift office reported that 204-AR readings in TK 1 will not be taken due to failed compressor/electrical circuit. See entry 2/9/11 0901 hrs.

2/11/11 1030 JAW — Base Ops - AN/C farm day shift manager reported that AN-B exhauster shutdown during attempts to calibrate AN-A flow dP transmitters. Suspected cause is HMI logic. May cause missed due date for calibration of instruments.

Notification # WRPS-1100369

2/11/11 1250 JAW — Received call from ~~AW~~ JAW AW/242/AP Operations Engineer that AW annulus exhauster was restarted at 1235 hours.

2/11/11 1430 JAW — A Khabir reported contamination found by Rad Con during survey of area outside the farm. Rad Con manager reported this was adjacent to previous known contamination area. Area is now posted near ~~JAW~~ S area.

2/14/11 1600 JAW — AW-B shutdown for planned maintenance at 1408 of CAM. Would not restart. AW-A started up at 1530.

2-15-11
0030
JAW

Received a call from Central Shift Office that power had been lost to all the tank farms in the 200 E area near Canton Ave including C, AN, AY, AZ, A, AX, AW + AP. Exhausters and leak detection capability lost in C, AN, AY, AZ, AW + AP. MSA electrical services have been called to trouble shoot and repair. Notification #: WRPS-1100370

2/17/11
13:30
Jlm

2/20/11
14:20
Jlm

2-15-11
1200
JAW

Central Shift Office called to report that AN-A exhauster had been restarted without an operating CAM. AN-A shutdown + AN-B started. Total AN-A operating time approx. 5 minutes.

2/21/11
13:15
Jlm

2-15-11
1800
JAW

AW/AP/Evap. Day Shift manager (Cattlin) reported that CNRAFs in AN farm would not be taken within the 24 hour time period due to electrical power outage. CNRAF readings were taken following rad sweeps and restart of primary and annulus exhausters. approx 1420 hrs
Notification WRPS-1100371
due to missed 24 hour criteria.

2/21/11
1600
Jlm

2/16/11
11:27
Jlm

AW Shift Manager reported that the AW Primary exhauster had a played shutdown at 10:22 and was restarted at 10:45. This is not reportable

2/22/11
1000
Jlm

2/17/11
7:20
Jlm

Notified by Jeff Voogd reports that the glycol heater on SY B train had been repaired and calibrations will be conducted today (see 2/16/11 9:20 entry)

2/17/11 13:30 vlm — Notified by Lew Walker that ventilation of 242-A was secured for a planned outage over the weekend. The outage is required to allow some electrical work.

2/20/11 14:20 vlm — Notified by Anderson that AN annulus was below limits it was readings 1-76 with normal range 1.8 To 2.2 No Notification required

2/21/11 13:15 vlm — by Dale SS Notified that ENRAF on AP-104 has an error code of E1 which indicates that it is stuck in the waste. Manual Tape is out of service so cannot be used. A good reading was Taken the previous day SS is checking to make sure annulus CAM is Working. The ENRAF in the annulus are Functional. Notified the SS that a Notification would be required. Notification Not Required per Jeff.

2/21/11 1600 vlm — Dale SS notified that during a Leak check on Pit AN-01A, nozzle A Leaked 2-3 drops/minute. Estimate a total of approximately 1 pint Leaked. Leak Check was being Performed with water. No Notification required

2/22/11 10 00 vlm — Received Call From Dale Dykeman stating That 296-A-42 (To AZ stack) did not have its annual HEPA filter challenge test IN A-Train. B Train is currently running and A train is shut down until a heater can be repaired. Notification WRPS – 1100369.

2/22/11 1000 clw — Notified by Dale Dykeman that the ENRAF on AY-101 has been down for several days. A densitometer is being used as a level indicator but daily rounds on the densitometer were not taken yesterday

2-23-11 14:39 MP

2/22/11 10:50 — Received call from Matt Cuttler that a SWAP was made from AW-B to AW-A to support vent and balance

2-23-11 15:35 MP

2/22/11 17:54 clw — Received notification that SY 296-VTP-FIT-632 and SY 296-FOI-645 were back in service. Notification made by Pat Harson

2-23-11 15:55 MP

2/22/11 15:15 clw — Received notification by Matt Cuttlers that AW A Annulus was shut down at 1325 for a planned shutdown to replace a belt. He also notified that yesterday AW-104 WSTA-LPT-LPA-153 was reading above its range These readings are for the annulus and was reading .20 and the normal range is .11 to .19. There was no change in primary TANK Level

2-24-11 7:16 MP

2-24-11 9:35 MP

2-23-11 9:36 MP — Elapsed time meter on 2195 in 2225 failed calibration 2-22-11 15:00 initiated work order for repairs / expediting process minor stack Lucinda Borneman

2-24-11 12:20 MP

2-23-11 10:29 MP — James Hamilton called to report the K-1 Building exhauster system 296-A-21 was restarted at 15:05.

2-24-11 0930 GW

2-23-11 14:49 MP — Matt Cuttlers called to report the unplanned shutdown of the 241-AW primary exhauster, B train. WDOH ID ~~150~~, 296-A-~~27~~ 47 MP 2-24-11 Cause is unknown at this time and HMI controls are currently not communicating

2-23-11 15:35 MP — Matt Cuttlers called to report a correction to the 2-22-11, 15:15 entry received by Chuck Mulkey. The AW Annulus exhauster WDOH ID 156, 296-A-28 underwent a planned shutdown at 0821 on 2-23-11 NOT at 1325 on 2-22-11.

2-23-11 15:58 MP — Matt Cuttlers called to report the 241-AW primary exhauster A train MP 2-25-11 was restarted at 1555. The cause appears to be associated with the HMI logic and how it interacts with the calibration steps for the dP transmitter. The procedure was corrected to prevent this issue however this PM was not updated. ~~No~~ MP 2-25-11 No notification required. WRPS-1100372

2-24-11 7:16 MP — James Hamilton called to report the AW Annulus exhauster was restarted at 11:05. No Notification required.

2-24-11 9:35 MP — Shift Office called to report the SY Farm primary exhauster, B train was found in an unplanned shutdown condition at 9:30.

2-24-11 12:20 MP — Pat Hanson, Shift Office called to report the SY Farm A train, Primary Exhauster was started at 12:15. Notification Required WRPS-1100373.

2-24-11 1230 JAW — Base Ops Rad Con (Grant Beachamp) called to advise the work place rad-air sample from investigative surveys is in air lock at 242-A. Retrieval of sample will occur after results

2-25-11 MP
2-~~24~~ 25-11 JAW — of Berellium air sample results ~~from~~ JAW 2-25-11 return.

2-25-11 MP
2-~~24~~ 25-11 14:10 MP — Shift office, Pat Hurson, SY primary B train shutdown due to a faulty temperature module on the PLC. — 2-28-11 1345 MP

2-25-11 MP
2-~~24~~ 25-11 14:30 MP — Dale Harrison, Shift Office called to report an unplanned shutdown of the primary AW-241 exhauster B train at 1425.

2-25-11 17:10 MP — 241-AW A train primary exhauster was restarted at 1645 as reported by the shift office. Notification required WRPS-110037 — 3-3-11 0200hrs DD

2-25-11 1830. MP — An instrument was used by vent & balance for testing ventilation and prior to sending it to calibration it was surveyed (all results below background) and smeared for Berellium. A tube and filter paper were removed at this time and placed in a bag. The parts in the bag had inaccessible surfaces so a rad tag was placed on the bag per Rad Con procedure. Pending the BE results the bag was placed in the shipment box with the instrument. When the results came back the instrument shipped to the calibration lab at Energy UW which is not set up to handle rad material. The lab identified the bag as an unexpected condition and called WRPS. Senior Mgmt working with DOE, and Rad Con retrieved the bag and returned it to 272 AW. A fact finding will be held early next week to determine CA's. — 3-4-11 DD — 3-6-11 DD — 3-9-11 DD

2-28-11 1345 MP — Lucinda Barneman called to report that a sample taken on 2-23-11 from the entry into the 219S Waste Handling Facility, Cell B remains above 0.2 DAC alpha and above 0.2 Total DAC. The levels are 0.27 DAC alpha, 0.06 DAC Beta, 0.33 total DAC. The 219S is ventilated by a PTRAEU Emission ID 447. Notification required WRPS-1100375.

3-3-11 0200hrs DD — Rakesh Malhan from Central Shift Office called to report the 296-A-40 AP farm primary ventilation system had an unplanned shutdown at 3/2/11/2300hrs. The system was restarted 3/3/11 0140hrs with no problems or abnormal observations. Notification required to WDOH WRPS-1100376.

3-4-11 DD — 1437hrs Brian Johnson from Central Shift Office called to report the 241-S4 Primary exhauster ~~to~~ DD record sample was discovered inoperable at 1427hrs today, 296-S-26 A train is a minor emission unit thus no notification required.

3-6-11 DD — 1440hrs - Central shift office called to inform 2 annuls ENRAF readings were out of normal range: AY102 #151 -0.20" AZ102 #153 - 0.10". Both ENRAFs were operational and not alarming.

3-9-11 DD — Kelly Smith informed with information the AZ102 ENRAF discovered out of service DD 3-9-11 on 3/8/11 at 1615 hrs.

SL 3/10/11 1050 NOTIFIED BY SHIFT THAT THE FLAKE BOX ON ANNULUS LEAK DETECTOR AN 101 ZONE II IS BROKEN AND HAS BEEN TAKEN OUT OF SERVICE SL

SL 3/11/11 0905 NOTIFIED BY SHIFT THAT 296-A-40 EXHAUSTOR SHUTDOWN UNEXPECTEDLY DURING A MAINTENANCE ACTIVITY. MAINTENANCE WAS PERFORMING A FUNCTIONAL TEST ON THE HEATER PRESSURE SWITCH WHEN EXHAUSTOR SHUTDOWN CNS: WRPS-1100378 - RE-STARTED AT 1026 SL

SL 3/11/11 0925 NOTIFIED BY SHIFT THAT 241 SY B TRAIN (296-P-23) WAS REMOVED FROM SERVICE DUE TO ELECTRICAL SAFETY ISSUES.

SL 3/11/11 1235 CNS: WRPS-1100378 EMAIL NOTIFICATION SENT. SL

SL 3/11/11 1424 NOTIFIED BY SHIFT THAT 296-A-44 (241 AW AN PRIMARY) CAM'S CONTROL VALVE WAS SRC STICKING. OPERATIONS SWITCHED OVER TO 296-A-45 (B-TRAIN)

SL 3/11/11 1700 NOTIFIED BY JEFF VOOD THAT THE AN106 TRANSFER WAS SECURED BECAUSE OF A LEAKING VALVE IN ANB VALVE PIT. THE LEAK WAS CAUGHT WITH A CAMERA AND NOT A LEAK DETECTOR. THIS IS NOT REPORTABLE.

SC 3/12/11 1548 NOTIFIED BY SHIFT THAT 296-A-40 (AP PRIMARY) BETA CAM EXPIRED ITS CALIBRATION ON 3/11/11. THIS IS NOT REPORTABLE

SC 3/13/11 1452 NOTIFIED BY SHIFT THAT ANNULUS (241-AP) 103 LEAK DETECTOR WAS IN ALARM. ALARM CLEARED AT 1700

SC 3/14/11 1115 NOTIFIED BY SHIFT THAT 296-A-47 (241-AW B TRAIN) EXHAUSTER SHUT DOWN DURING A MAINTENANCE ACTIVITY BEING PERFORMED BY INSTRUMENT TECHS. EXHAUSTER WAS RE-STARTED AT 1125. CNS: WRPS-1100379

1306 - NOTIFICATION WRPS-1100379 EMAIL SENT.

SC LATE ENTRY 3/9/11 1313 NOTIFIED BY SHIFT THAT AY 102 ANNULUS ENPAF WSTA-LOT-151 WAS FOUND OUT OF RANGE AT .20 (NORMAL IS .11-.19) ENU LIMIT IS .25

3/14/11 1504 NOTIFIED BY JOHN HUBERSKI THAT AT 242-T AND OLD TRANSFORMER WAS FOUND LAYING ON ITS SIDE WITH A DAMP STAIN UNDERNEATH IT. THE STAIN LOOKED TO BE BETWEEN A CUP AND A PINT IN VOLUME LOCATED ON THE CONCRETE. AFTER FURTHER INVESTIGATION IT WAS DETERMINED THE TRANSFORMER HAD BEEN FLUSHED AND DRAINED. NO REASON TO BELIEVE PCB'S ARE PRESENT.

3/17/11 0910 hrs — Notified by Carl Wallgren that the vessel vent exhauster for the 242-A Evaporator had been restarted. The exhausters had been down for an extended period of time. (minor stack) — 3/23 OTH — 03/23/2011 late entry 0956 hrs STH

3/17/11 0946 hrs — Notified by Carl Wallgren, shift office, ~~242-A Train Exhausters~~ 241-AW Tank Annulus exhauster, 296-A-28 was secured & restarted. (minor stack)

3/21/11 2142 hrs — shift office provided notification routine primary exhauster switch in AW Farm, temporarily placed CAM in by-pass during switch & will place cam back in enable right after switch. (Rich Cashwell) — 03/23/2011 1045 hrs STH

3/22/11 ~0950 — Shift Office - Portable 08 exhauster performed CAM calibration @ 0814. Routine maintenance. — 03/24/2011 0919 hrs STH

3/22/11 1250 hrs — Notified by Dale Dyekman, Environmental - The 296-A-42 primary exhaust system A-Train HEPA filters were last aerosol tested 2/22/10 and are overdue for annual test. The A-Train has been non-operational due to project upgrades & operational acceptance testing. The exhauster system is currently running on B-Train. The A-Train is to be started for necessary repairs to heater followed by HEPA aerosol testing. WRPS-1100382 notification to WDOH — 03/24/2011 0953 hrs

3/23/11 0700 hrs. Transferred on-call to James Hamilton. No significant activities ~~for follow-up~~ noted.

03/23/2011 late entry 0956 hrs JTH Received on-call turnover from Felix Miera. In one additional email he noted that he had not recorded an entry for Rectifier #18 being deenergized due to "smoke" coming from the rectifier. Rectifier ID# A242-CATH-RECT-018 This notification was provided by Operations via Shift Manager for 242-A Phil Treadway in an email to James T. Hamilton who forwarded the information/email onto Felix Miera on 03/21/2011 at 1553 hrs. James T. Hamilton JTH

03/23/2011 1045 hrs JTH 242-A Shift Manager Phil Treadway notified the on-call that Rectifier #18 (A242-CATH-RECT-018) was repaired and returned to service.

03/24/2011 0919 hrs JTH Received phone call from Todd Fisher Environmental Field Representative for the 222-S Lab Complex. 222-S was conducting a drill in which both the Field Representative and the on call participated.

03/24/2011 0953 hrs Received phone call from John Guberski Environmental Field Representative for the SY Team. John stated that operations for the SY team secured the diesel generator providing temporary power to the annulus leak detectors. The diesel generator had ~~and~~ an active leak into its drip pan. No release to the environment. John stated that operations had already obtained daily readings for the leak detectors. Operations was made aware that power should be restored to the annulus leak detectors JTH 03/24/2011

03/24/2011 cont'd JTH

to obtain the next "daily" reading within 24-hours. John stated that operations thought it would take approximately an hour to make repairs to the diesel generator. No notifications to outside agencies are required at this time.

03/25/2011 cont'd 1505 hrs JTH

03/26/2011 0854 hrs JTH

Notified by Rakesh Malhan, Central Shift Manager that the 5Y Primary A-Train Exhauster was found (0826hrs) during rounds to be "shutdown". Operations to investigate and restart. This will be a notification for an unplanned shutdown of an exhauster to ~~the~~ 03/26/11 the Washington Department of Health.
CNS# WRPS-~~1100382~~ (296-5-25)
1100383 JTH 05/28/2011

1049 hrs JTH

Notified by Rakesh Malhan, Central Shift Manager ~~that~~ 03/23/11 that 5Y Primary A-Train Exhauster was not operating because of a broken fan belt. 5Y Primary B-Train unable to be used due to ongoing electrical isolation. Crews to make repair on Sunday, March 27, 2011. Environmental on call to be notified once A-Train has been returned to service.

03/27/2011 1143 hrs JTH

Notified by Rakesh Malhan, Central Shift Manager that 5Y Primary A-Train Exhauster was returned to service at 1100 hrs after fan belt repair.

03/28/2011 1010 hrs JTH

Contacted Shift Office to inform Rick Anderson the on duty Central Shift Manager that I was getting ready to push the send button on the WRPS-~~1100382~~ 1100383 JTH 05/28/2011 notification to the Washington State Department of Health. Left message JTH 03/28/2011 with

1505 hrs JTH

Received phone call from Carl Wallgren, Day-Shift Area Manager that the AN Exhauster Primary Systems were switched from AN "B-Train" to

03/18/2011 cont'd 1505 hrs JTH

AW "A-Train." This is a result of the continuing discussion resulting from the HMI Communication failure for "B-Train" over the weekend. This was initially reported to Environmental On-Call at 0854 hrs on 03/26/2011. However there was not sufficient information to make a log entry into the notification log at that time. Further research and discussions held today provided additional details. It was noted that Operations were unable to complete the TF-OPS-005 rounds over the weekend and the necessary readings were populated with "HMI Out of Service Communication Failure Unable to verify readings." Other rounds that were impacted were the TF-OR-DR-EV daily rounds for Saturday and Sunday; inlet, differential, and outlet temperatures were unable to be recorded for the exhaust train. In addition MCS stack flow and stack temperature. As well as the glycol tank temperature. Differential pressures across the HEPA filters were available/recorded. JTH 03/28/2011 There were TTH 03/28/2011 no outward indications from the "strobe" and "red" lights indicating a malfunctioning system or an alarm condition. There was no reason to believe that the functionality of the "interlocks" for the system was compromised. ANSI PMs were recently completed at the end of February. At the time of completion no issues were reported to me as the Environmental Representative for Team EV. The only exception was noting that the data sheets for the procedure should be revised to accurately capture what is performed in the field as reported to me by the Field Work Supervisor Eric Hudspeth. Carl Wallgren contacted Mike Harty of system engineering and was in the process of tracking down Eric Hudspeth and Greg Carpenter to develop the appropriate path forward to switch the exhaustors trains from "B" to "A." This resulted in a switch of operating trains from "B-Train" (296-A-47) to "A-Train" (296-A-46) at 1400 hrs.

03/28/2011 cont'd 1505 hrs JTH	No notifications to outside agencies at this time. N/A	03/29/2011 cont'd 0824 hrs JTH
1510 hrs JTH	Per Voice mail from Scott Conrad notifying Environmental on-call of contamination found above reporting requirements for Portable 08 duct work. Survey reports available in morning 03/29/2011.	03/29/2011 1010 hrs JTH
03/29/2011 0824 hrs JTH and various times with exchanges of email and phone calls	Email sent to Mike Peloquin and Scott Conrad in reply to Mike Peloquin's email asking if a notification had been sent out. Asked additional questions to support notification. Scott Conrad in response to my email provided the necessary information to develop a notification. CNS # WRPS-1100384 was assigned to the occurrence notification for 296-P-47 duct work where three survey points exceeded reporting criteria for contamination (i.e. > 10,000 dpm/100cm²).	03/29/2011 1145 hrs JTH this is a late entry as phone discussion message 8 was taken while attempting to wrap up earlier notification activities.
	Survey #9 15,000 $\frac{dpm}{100cm^2}$ $\beta\gamma$ no α C-111 Duct Run No contamination on ground.	
	Survey #12 50,000 $\frac{dpm}{100cm^2}$ $\beta\gamma$ no α C-111 Duct Run 50,000 $\frac{dpm}{100cm^2}$ $\beta\gamma$ no α on ground	
	Survey #24 25,000 $\frac{dpm}{100cm^2}$ $\beta\gamma$ no α C-108 Duct Run No contamination on ground.	03/29/2011 1529 hrs JTH
	Portable (POR08) OR 296-P-47 supports both duct runs. POR08 is not running. Operations planning to decontaminate flange surfaces. It is noted that C-Farm is already a contamination area and 50K $\frac{dpm}{100cm^2}$ $\beta\gamma$ does not require any additional actions for the contamination on the ground. Action Levels for removal would start around 100,000 $\frac{dpm}{100cm^2}$ OR High Contamination	03/30/2011 0928 hrs JTH

03/29/2011 Cont'd 0824 hrs JTH — Area Postings according to Scott Conrad. N/A

03/29/2011 @ 1010 hrs JTH — Notified Rick Anderson, Central Shift Manager of pending submittal of notification to the Washington State Department of ~~Ecology~~ Health for CN5 # WRPS-1100384 once computer networking systems return to service. Sitewide computer problems are being experienced. 03/29/2011

03/29/2011 @ 1145 hrs JTH this is a late entry as phone discussion ~~notes~~ was taken while attempting to wrap up earlier notification activities. — Phone call received from Lucinda Borneman the 222-5 Complex Environmental Representative stating that MSA was on site at MO-291 cleaning up a sewage/septic overflow that started to reach the ground. According to Lucinda the approximate time of discovery 03/29/2011 was 1015 hrs. N/A

03/29/2011 1629 hrs JTH — Notification via email distribution to Washington State Department of Health for CN5 # WRPS-1100384 was made.

03/30/2011 0928 hrs JTH — Consulted with Shelly Doss, WRPS subject matter expert for sanitary and sewer systems concerning the notification provided to Environmental On-Call ~~for~~ by JTH 03/30/2011 Lucinda Borneman on 03/29/2011 @ 1145 hrs. Shelly is making and has made calls to MSA personnel concerning any applicable reporting requirements and who is responsible to provide if required any reporting notifications.

03/30/2011 1009 hrs JTH — Conducted turnover of on-call responsibilities to Randal Fox. James T. Hamilton JTH — 4/2/2011 cont'd 0812hrs RLF

03/30/2011 1148hrs — Shelly Doss returned a call about the 222-S sewage spill. She contacted MSA and they confirmed that they are responsible for any sewage spill notifications that may need to be made.

03/31/2011 1323hrs RLF — Dale Dyekman recieved a call that a level measurement for A-417 intrusion monitoring would not be done this quarter IAW OSD-031. This does not violate the environmental requirements of RPP-9937. — 4/4/2011 0945hrs RLF

04/1/2011 1414 hrs RLF — Brian Johnson of the Central Shift Office called to inform that 2 annulus ENRAF readings were out of range: AY-102 (Riser #88) at 0.21 inches and AZ-102 (Riser #92) at 0.10 inches, underrange. Both ENRAFs were operational and not alarming. — 4/5/2011 0906hrs RLF

04/02/2011 0812 hrs RLF — Notified by Brian Johnson of the Central Shift Office that 702-AZ exhauster had an unplanned shutdown at 0753hrs. Prior to the exhauster shutdown the CAM began to intermittent alarm due to a low flow fail at ~0500hrs. Farm personnel were investigating the CAM when the exhauster shutdown due to a CAM failure. There was no indication of a release of contamination. The farms were posted as a vapor control zone. Maintenance was contacted and they will decide to either swap out the CAM this weekend or on Monday. I requested to be notified of any additional information and when maintenance was completed. There were no active transfers occuring during this time. As an ALARA measure the AZ-annulus exhauster, AY-101 annulus exhauster, AY-102 annulus exhauster will be shutdown as a planned shutdown so that the operators will not have to enter a vapor — 4/5/2011 0958hrs

4/2/2011 cont'd 0812hrs RLF control zone to take readings on annulus exhauster equipment. I informed Brian Johnson that a notification will be made on Monday. This will be a notification for an unplanned shutdown of an exhauster to the Washington Department of Health via CNS# WRPS-1100385 (296-A-42)

4/4/2011 0945hrs RLF Contacted Shift Office to inform the on duty Central Shift Manager that I am ready to send the email notification WRPS-1100385 to the Washington State Department of Health.

4/5/2011 0906hrs RLF Judith Nielsen of WRPS Waste Services called to inform me that she was notified at 0740hrs that a low level waste shipment sent to PermaFix Northwest was read at 135 mR when it arrived. The reading was 90mR when it left WRPS facilities. The PermaFix license limits the increase/decrease in radiation reading to 20% between the sending and recieving facilities. The 135 mR reading exceeded the 20% limit and PermaFix notified WDOH either on 4/4/2011 or 4/5/2011. Judith confirmed that all surveys and transportation paperwork are upto date and in place if WDOH has any further questions. I conferred with James Hamilton (Acting Compliance Manager) about the need to informally call WDOH. We consulted the WDOH PermaFix Northwest License website and found that WDOH has an onsite inspector and has recieved all needed information most likely. No notifications needed.

4/5/2011 0958hrs Nancy Forsman, Acting AN-Team Dayshift Manager, called to inform me that they closed the inlet valves for waste tanks AN-104 and AN-105. No notifications needed.

N/A

4/5/2011 1816hrs RST — Recieved a notification from Brian Johnson of the Central Shift Office. The vacuum pump failed for the CAM sampling system on the 242-A K1 exhauster (296-A-). Since the CAM is only required equipment during an Exhauster operating campaign, no notification of an outside agency is required.

4/6/2011 0800hrs RST — Conducted turnover of on-call responsibilies to Chuck Mulkey.
Randal E. Fox [signature] 4/6/2011

4/7/11 abn 9:45AM — Contacted by Shift Office (Matt) That SY A exhauster shutdown at 9:45 A.M. when switching CAM. Exhauster was restarted at 11:35 A.M Notification WRPS - 1100 386

4/8/11 abn 6 A.M. — Contacted by Shift office That SY-A exhauster shutdown at 8:00 A.M. due to a spike in the CAM. IT was restarted at 10:15. The spike may have been due to a Transfer Notification WRPS-1100 387

4/9/11 ab 4:39 P.M — Notified by Shift OFFice That CAM on SY-A exhauster had been shutdown and would NOT be restarted. This is a minor standard is not reportable

4/13/11 @ 1440 JAW — Area Manager for 242-A, AP/AW called to report that panel annunciators for the AP annulus leak detectors have been taken out of service. TMACs and panel light alarms are still functional for leak detection.

4/4 2218 JAW

4/18 2040 JAW

4/19 1006 JAW

4/19 1200 JAW

4/20 1200 MP

4/22 3:19 PM MP

4/14 2218 JAW — Central Shift Office reported that AW-06C leak detection pit alarm is activated. Pit level is approx 34". No annulus leak detectors are alarming. No AW level changes. Pit leak detectors are not part of the REAS system. No notification at this time. Requested field rep to evaluate.

4/18 2040 JAW — Call From Central Shift Office reported that rad smears of 200K-cpm were found on the expansion joint of the vent system duct work for POR03. No report of contamination to the soil. Work package prepared for decon. (Notification #2015-1100388)

4/19 1006 JAW — Advised by AW Environmental Field Rep that both annulus AW exhausters will be shutdown for an investigation in advance of heater replacement.

4/19 1600 JAW — Advised Kristi Wold - Geology of power outage at 204-AR and subsequent visual inspection of facility for leaks for the next 24-72 hours. email Dykeman to Wold.

4/20 1200 JAP — Shift office reported that during water testing of the slurry transfer line into AP valve pit nozzle connection #13 was leaking into the pit. Testing was stopped, water is being drained from the pit and the jumper connection will be repaired before retesting. No leakage occurred outside the secondary containment. No notification required.

4/22 1319 PM JAP — James Hamilton reported that on 4-18 the timely completion of the 242 A Diesel generator monthly inspection for the month of April was delayed due to safety concerns associated with the procedure to perform the preventative maintenance inspection on the generator. The safety concerns involved

		5/04/2011
cont. 4-22 3:19 PM MP	the appropriate direction to execute steps associated with the Hanford LO/TO program requirements within the preventative maintenance procedure. The LO/TO is an important procedure designed to protect workers from exposure to hazardous energy. A procedure modification was completed and the 242-A Diesel Generator monthly inspection is now scheduled to be completed the week of April 25th. Notification to Ecology is not warranted at this time.	0919 hrs late entry 1629 hrs JTH
		5/04/2011
4-25 13:00 MP	On Friday 14:00 the SY, A-train record sampler was taken O/S for the weekend due to the inability to perform Ops 5 verification of correct operations; lack of electrical ~~coverage~~ 4-25 MP coverage for an IH issue. The system was brought back into service at 11:00, 4-25.	1411 hrs JTH
		5/05/2011
5-1-11 20:53 DO	Contral shift office called to inform of a AP107 leak detector alarm. All 3 AP107 annulus leak detector ENRAFs are operable and within normal tolerance reading's,	1016 hrs JTH
		5/05/2011
5-2-11 DO	Follow up e-mail from James Hamilton noted the 242-A Diesel generator monthly inspection was completed 4/26/11.	1323 hrs JTH
05/04/2011 ≈0900 hrs	Received turnover from Dale Dyckman. James T. Hamilton James Hamilton JTH	
		5/05/2011
05/04/2011 1057 hrs JTH late entry	Courtesy notification made to Kristi Wold and Jeff Lyon of Ecology concerning alternative leak detection due to extended electrical outage at 242-A Evaporator. The courtesy notification was sent on 04/27/2011. Refer to EWRPS-1102233.	1452 hrs JTH

05/04/2011
0919 hrs
late entry
1639 hrs
JTH

Notified by John Gaberski of a spill.
See entry # in Spill Log dated 05/04/2011
at 0919 hrs. Not reportable.

N/A

05/04/2011
1411 hrs
JTH

Informed by Carl Wallgren, EV Team Day Shift Area Manager that the ENRAF for AP 105 for primary level indication is being placed out of service due to abnormal readings. The manual tape will be used to take daily tank level measurements until the primary ENRAF can be returned to normal operating service. No notifications to outside agencies are required at this time.

05/05/2011
1016 hrs
JTH

Notified by Phil Treadway that the 296-A-22 Vessel Vent stack was secured from operation at 1015 hrs in support of 242-A Evaporator facility Electrical Outage. See outage work package TFC-WO-11-2584. No notification required to outside agency (WDOH) as the facility is implementing the controls associated with ALARACT 29.

05/05/2011
1323 hrs
JTH

Notified via voice mail from Phil Treadway that the 296-A-21, K-1 Building Exhauster for the 242-A Evaporator facility was secured from operation at 1318 hrs. This is in support of the 242-A Electrical Outage for the facility. See outage work package TFC-WO-11-2584. No notification required to outside agency (WDOH) as the facility is implementing the controls associated with ALARACT 29.

05/05/2011
1452 hrs
JTH

Notification sent to WDOH from Jeff Voogd concerning preliminary data indicating intermittent compliance with abated emission limits for 241-AZ Tank Farm Annulus Exhauster (296-A-20) and 242-A Evaporator Vessel Vent Stack (296-A-22). See CNS # WRPS-1100389 for additional information.

05/06/2011 1317 hrs JTH — Notified by Phil Treadway of small spill # 1 cup of diesel to the asphalt located at the southwest corner, outside of the 242-A Evaporator Facility. See Spill Notification log dated 05/06/2011 @ 1317 hrs for additional information.

05/10/2011 5910 hrs JTH

05/06/2011 1531 hrs JTH — Notified by Pat Hurson that the 5Y-A Train Primary Exhauster (296-S-25) record sampler was administratively declared out-of-service at 1530 hrs. The reason is the electrical hazard concern associated with having the 480 volts present in the same cabinet and allowing the HPT to complete the TF-OPS-005 rounds. This would require an electrician to be present and open the cabinet each time to perform the rounds over the weekend. Pat Hurson said he had discussed this approach with John Guberski the Environmental Field Representative for 5Y-Farm. The exhauster remains running. The reasoning applied by John Guberski and retold by Pat Hurson was that sampling requirements for the minor stack only require 4 weeks of sampling in a year. ~~The TF-OPS-005 checks really drive that~~ 05/06/11 I instructed Pat Hurson that there were to be no waste disturbing activities. Pat stated he would call again on Monday morning when the record sampler would be returned to service. I placed a phone call to John Guberski at 1540 hrs to confirm the understanding of the actions taken by the 5Y Team and Pat Hurson. The phone call went to voicemail. I will confirm with John Guberski on Monday.

05/11/2011 5759 hrs JTH

Changed Ink Pens as the previous pen was running out of ink.

05/09/2011 JTH — Notified by John Guberski that a desk drawer was found in 272-WA with an oily stain. Suspected to be PCB containing oil from a light ballast. More information to follow tomorrow.

N/A

05/10/2011
0910 hrs
JTH

Notified by John Gubeski that the oil is just a stain but ~~appears~~ 09/10/11 contains PCBs. No information concerning concentration. Drawer contained in a desk inside 272-WA. No release to the environment. Waste Services involved and will manage either the entire desk or just the drawer. Not Reportable to outside agencies.

05/11/2011
0759 hrs
JTH

Turnover to John Gubeski.

5/14/2011

0254 - 222-S FOM notifies of electrical power loss at facility. S-21 record sampler not working. Stack operating on diesel fan

0305 - Central Shift Mgr notifies of electrical power loss due to lightning strike. Multiple Exhausters shutdown:

AP Primary
AY/AZ Primary
AY-101/102 Annulus
AZ Annulus
AP- Annulus
AW- Annulus JDB

0730 - Notified by Central Shift Mgr that S-y A train primary exhauster found shutdown

0850 - S-21 record sampler & elec fans in service - 222S FOM

1330 - Central Shift manager notifies that all exhaustkers have been restarted. Confirmed that AN not affected nor AW primary. 702 AZ bldg also shutdown; not yet restarted. No spread of contamination found.

JDB

5/14/2011 (Cont)

1410 – TS Area shift mgr reports planned power outage at 6241-V includes near field monitor N200. JDE

5/16/2011

0935 – Notified by Scott Conrad that Routine Radiological survey of 241-C exhauster duct at C-111 survey point #15 found 20K dpm/100 cm²/βγ on flange. Will survey soil later due to damp soil. No alpha

1040 – Conrad reports 21K dpm/100 cm² Alpha on soil under flange.

1320 – CSM & 222-S FOM told of pending WDOH

1332 – WDOH notification of unplanned exhauster shut downs CNS# WRPS-1100390; Duct flange contamination CNS# WRPS-1100391 JDE

5/18/11 1400 NOTIFIED BY SHIFT THAT 296-A-30 C241-AN ANNULUS) SHUTDOWN UNEXPECTEDLY WHILE OPERATIONS WAS HANGING A LOCK AND TAG ON A BREAKER PANEL TO PREPARE FOR A MAINTENANCE ACTIVITY. A RELAY IN A SEPERATE PANEL TRIPPED CAUSING THE SHUTDOWN. EXHAUSTER WAS RE-STARTED AT 1440. CNS: WRPS-1100392

5/18/11 1452 NOTIFIED ~~5/24/11~~ BY RANDALL FOX THAT (PDIT) AN241-VTP-PDIT-605 (STACK FLOW) EXCEEDED ITS 365 DAY ANNUAL CALIBRATION REQUIREMENT. THIS WAS DUE TO AN ADMINISTRATIVE ERROR. CNS: WRPS-1102040

5/9/11 1251 SENT CNS: WRPS-1100392 OFF TO WDOH

5/9/11 1406 SENT NOTIFICATION CNS: WRPS-1102040 OFF TO WDOH

5/10/11 1556 NOTIFIED BY SHIFT THAT AH-104 ANNULUS LEAK DETECTOR WSTA-LDT-151 IS NOT REPORTING. AND IS 0%. THE TWO OTHER ENRAFS ARE OPERATING.

5/24/11 2027 NOTIFIED BY SHIFT THAT 242 A VENT VESSEL WAS RE-STARTED

25/2011
700hrs
Received turnover from Scott Conrad. No outstanding issues.
Randal E. Fox REF

25/2011
24 hrs
Notified by James Hamilton, EV Team Environmental Rep, that he was notified by Phil Treadway at 0817 hrs of the following:
- At 1535 hrs on 5/24/2011 the K-1 Building (296-A-21) hotside ventilation was restarted.
- At 2018 hrs on 5/24/2011 the Vessel Vent was restarted (296-A-22).
- In addition, the temporary round to document alternative leak detection monitoring has been suspended as normal access to the condenser room for Operations to conduct rounds has been restored.

5/2011
502 hrs
Notified by Rick Anderson of the Central Shift Office that they entered AOP-020 for a voided RWP Action Limit in the 242-A Pump Room. The building ventilation system was operating. I informed him that there were no required environmental actions.

5/25/11 1683hrs PST — Notified by Dave Strasser AN team Dayshift Manager, of a level rise in the AN annulus tank 101 due to UT operational water intrusion during UT activities in that tank. Annulus ENRAF (AN101-WSTA-LDT-Sec 2) is alarming with the level at 0.29 inches. The level is decreasing due to evaporation and they will continue to monitor. The maximum level was 0.31 inches.

5/3/2011 1401hrs PST

5/26/11 0800hrs PST — Dave Strasser informed me that the Annulus ENRAF was now reading within its normal range.

5/31/2011 1436 hrs PST

5/27/11 1240hrs PST — Notified by Brian Johnson of the Central Shift Manager that a annulus ENRAF on AY-102 was reading outside of its operating range at 0.21 inches. The normal range is 0.11-0.19 inches. The ENRAF was operational and not alarming.

5/28/11 1250 hrs PST — Notified by Brian Johnson of the Central Shift Office that the annulus ENRAF on SY-103 riser 9D is reading overrange at 0.21 inches. The ENRAF is operational and not alarming.

5/30/11 1652hrs PST — Notified by Rakesh Malhan, Central Shift Manager that the annulus ENRAF at AN-104 AN104-WSTA-LDT-153 was out of service. Since another annulus ENRAF on AN 104 was out of service since 5/20/2011 there is now only one operable annulus leak detector. They were aware that it needs to be repaired within 90 days.

6/1/2011 0705 hrs PST

6/1/11 8:12 am

5/31/2011 0906 hrs PST — Notified by James Hamilton of a spill. See entry in Spill Log dated 5/31/2011 at 0906 hrs. Not Reportable

N/A PST 5/31/2011

6/1/11 8:30 am

5/31/2011 1401 hrs PST — Notified by Dave Strasser that both AW104 annulus leak detectors that were out of service on 5/20/2011 and 5/30/2011 are now repaired, back in service, and reporting to TMACS. Also was notified that AW-101 Zone 2 Annulus ENRAF is in alarm and is reading at 0.26 inches. The level rise is due to UT testing water. There is no notification required at this time.

5/31/2011 1436 hrs PST — Received a call from Rakesh Mahan that they were wondering what the requirement on manual tape measurement in AP-105 requirement was since the ENRAF has been out of service. I conferred with James Hamilton and returned the call to Rakesh, Central Shift Office, to inform him that the requirement is to repair the ENRAF within 90 days and there is no requirement to take daily readings with the manual tape. Not all tanks have a manual tape. There is no notification related to not taking the manual tape reading over the Memorial day weekend. James Hamilton will be sending an email to confirm this information to Central Shift Office.

6/1/2011 0705 hrs PST — Turn over to Chuck Mulkey.

6/1/11 8:12 am — Received call from Carl Waldrum stating that they were going to shut down AW annulus exhaust fan so that some nearby work. The noise is causing a communication problem. The fan will be restarted later in the day.

6/1/11 8:30 am — Re: 5/31/11 entry of 1436 hrs. An email was sent by Hamilton stating that AP-105 readings were NOT taken over the weekend and the last daily reading was taken on 5/27/11. The Primary tank ENRAF Cont. next page

Cont From Previous Page

Was placed out of service on 5/4/11 and is being tracked on TSR/Env equipment out of service list (TFC-WO-11-2672) Per conversations with JEFF Voogd, Notification to outside agencies is not required since SY Settlement agreement allows 90 days for repair.

6/1/11 14:47 clm

Notified by email from JEFF Delize of the intent to shut down 702 AZ exhauster on 6/2/11 For maintenance This is stack # 296-A-42. The outage is to perform TF procedure 6-FCD-664, section 3.4 with work order TFC-WO-11-2711. Work will include Quarterly Stack Flow RATA System Response Check (Section 5.3) and Quarterly Record Sampler CAM System Mass Flow Meter, and Secondary Standard check (section 5.4).

6/2/11 11:30 clm

Called East Shift Office to find out about SOEN Messages regarding AN exhauster unplanned shutdown. Rakesh stated that he had called the Environmental on Call Number and had left a message. There were no messages on the phone and it had been on. AN exhauster shutdown at 9:01 AM during a paper changeout and was restarted at 10:55. Rakesh is going to investigate further on the cause of the shutdown since there have been previous shutdowns during paper changeout. This is a reportable shut down. WRPS-1102041 B Train is the train that shut down

6/7/11 11:59 Planned shutdown of ~~An~~ AZ exhauster has been resheduled until next week.
*Update 12:04, shutdown is back on.

6/2/11 1:04 PM AZ exhauster was shutdown at 13:04 for planned maintenance, Restarted at 13:48.

6/2/11 1640 Notified by Shift Office That AN-104 ENRAF for Zone 4 had a Fail Code. Notification was delayed due to problems with AN Exhauster

6/3/11 10:08 Notified by Shift Manager That contamination was found in a Trench while excavating near the C Farm Control Trailer. Shift Office was notified about 09:50. Contamination in the trench was 30,500 DPM/100 cm² Beta/gamma and Less Than 20 dpm/100 cm² alpha. Contamination on the spoils pile was 16,500 dpm/100 cm² beta/gamma. Personnel stopped excavating and are regrouping

6/3/11 12:46 Notified by AN Shift Manager (Nancy) That PCV for AN-102 was found out of Tolerance. PCV is item # AN-102-VTP-PCV-269. Readings as found was -3.5 and was left in Tolerance at -5.34

6/3/11 1410 Notified by AN Shift Manager That the Crane in AN farm had leaked about 1 QT of Hydraulic Oil overnight. The spill was cleaned up and precautions were taken to contain any Future Leaks. Entered information in spill Log. Not reportable

6/3/11 14:54 clw — Received notification from shift office that the primary ENRAF on AP-107 failed at 13:10 due to a failure of the communication board. This is not reportable

6/3/11 18:12 clw — Received call from 222-S that sump 6 had its alarm go off at 17:45. The tank has been emptied and is out of service. per Lucinda Borneman the tank is no longer a TSD and has been out of service for some time. This is no reportable

6/6/11 0940 clw — Received call from shift office (Carl Waldrop) stating that they are going to take AW annulus exhauster down each day this week due to noise issues see 6/1/11 @ 8:12 report. The exhauster will be restarted at the end of each day.

6/6/11 14:17 clw — Received call from Bryan Johnson regarding spill from drum of non-regulated oil. see spill log for more details

6/7/11 0950 clw — Received call from Dave Strausser that AN annulus exhauster was shut down for the planned electrical outage. They will be down for about 3 weeks. The shut down occurred at 9:35. Randal Fox had reported earlier that the primary exhauster and leak detection had been connected to temporary power.

1365 jaw — 6/8/11 Received a call from AW/242-A/AP Shift manager. AW annular exhauster will remain shut down through the night to allow back shift work + communication among workers and personnel alarms (PAPR).

0900 jaw — 6/9/11 242-A evaporator entered a planned shutdown of 296-A-21 to allow MCS tie-ins. Shutdown occurred at approx. 0835. The facility vessel vent system was ~~secured prior to 0700~~ jaw, (296-A-22). secured at 0315.

6/13/11 - 1035 hours Notified by Mike Finn, Facilities, of spill of one gallon of polyurethane to floor of MO-732. He is also contacting Base Ops Shift office. MSDS #064127. After MSDS review not reportable JD Dubesh.

0903 jaw — 6/13/11 - 0903 hours, Advised by engineering and base operations that liquid is suspected as being held up in SN-264 between AN-A-VP and AN-04A pump pit. PER-2011-1210 has been prepared to address the issue. SN-264 is a line that has not been pressure tested for a number of years. AN-104 cannot take additional liquid w/o Safety (ORP) approval because AN-104 contains Cat A type waste.

1430 jaw — 6/13/11 AN Shift Manager advised that AN-103 PDIT - WSTA 253A is performing erratically and will be taken off line. 2 other tank pressure instruments are reading -2.2" wg. Work Order for repair being processed.

6/14/11 1720 Notification sent to WDOE for waste found in SN-264 of AN-A valve pit. Phone conversation held with Michelle Hendrickson regarding the condition. Liquid appears to be in the line from AN-A to AN 04-A pit. SN-264 is a defined use line - "not pressure tested and approved by the IQRPE. See PER 2011-120. Notification # 1102042. 6/17/11 1119hrs RET

6/15/11 1245hrs RET Received turnover from Jeff Voogd. Randal E. Fox [signature] RET 6/17/11 1305hrs RET

6/15/11 1300 hrs. Late Entry RET Received a call from Nancy Forsman, AN Dayshift Manager, that Annulus ENRAF AN104-LDT-154 was reading erratically and is out of service. Called at 0904 hrs. ENRAF will be put on Equipment out of service list in Daily Report. ENRAF will be repaired within 90 days. No notification to outside agency is needed at this time. 6/19/11 0907hrs RET

6/15/11 1627hrs RET Notified by Micheal Peloquin of a Diesel spill of 2 cups onto gravel. See entry in Spill Log dated 6/15/11 at 1627 hrs. 6/20/11 1525hrs RET

6/16/11 0850hrs RET Notified by Nancy Forsman, AN Dayshift Manager, that the Annulus ENRAF AN104-WSTA-LDT-153 is out of service. It will be placed on the Daily Report Equipment out of service list. It will be repaired under work order TFC-WO-11-3573. This is not reportable. This entry is a correction to the entry on 6/15/11 at 1300 hrs. No notification is required at this time. 6/22/11 [illegible]50hrs RET

RET NA 6/17/2011

6/17/11 1119hrs PSF — Notified by James Hamilton that the AW Annulus Exhauster (296-A-28) was secured (planned shut down) at 0947 hrs due to work in the area to remove the old K1 primary AW exhauster. They are unable to communicate while masked with the annulus exhauster operating. The exhauster will be restarted at the end of the day. See 6/1/2011 @ 0812 hrs. This is not reportable to outside agencies at this time.

6/17/11 1305hrs PSF — Notified by Josh Adams, EV-Team Dayshift Manager, that the AW Annulus Exhauster had been turned back on at 1304 hrs.

6/19/11 0907hrs PSF — Notified by Rakesh Mahan that the 242-A evaporator lost power for a few seconds. All systems are up. He said he would call back if he found any systems shutdown that were environmentally required.

6/20/11 1529hrs PSF — Notified by Carl Wallgreen, EV team dayshift manager, that they had low flow on the CAM and record sampler systems on the A-train of the AW Primary Exhauster (296-A-46). Once they found the low flow condition on A-train they swaped over to B-train. Upon further investigation it was determined that the vacuum pumps for both the CAM & record sampler needed to be replaced. James Hamilton was initially notified at 0933 hrs of problems with the record sampler. This event is reportable to the Washington Department of Health. CNS# WRPS-1102043.

6/21/11 1150hrs PSF — The Central Shift Office was called to inform them that notification CNS# WRPS-1102043 will be sent. The email was then sent.

PSF #4 6/21/2011

270

6/23/11

6/22/11 1347 hrs DLD — Central shift office called to inform of planned start-up of 296-P-47 portable exhauster #POR-008 connected to tank C-108.

6/23/11 1546 hrs DLD — Central shift called to inform the 296-P-47 portable exhauster was shut down at 1348 hrs.

6/23/11 2032 hrs DLD — Retrieval + Closure manager called to inform the POR-008 exhauster connected to C112 was started, ran briefly, and shut down due to vacuum interlock.

6/24/11 1337 hr DLD — Informed by Central Shift Office the AY-102 annulus leak detector riser #88 was found out of range at +0.20". The ENRAF is fully functional and not alarming at this time.

6/27/11 15:38 hrs DLD — Notified via 222-S Shift office via SOEN text of 222-S power outage - unplanned. Recieved phone call from Don Hardy the 296-S-21 stack record sample was off line, building ventilation is maintained.

6/28/11 12:01 hrs DLD — Issued notification #WRPS-1102044 for 296-S-21 unplanned stack record sample outage; also called 222-S Shift office to inform of WOOH notification.

11/29/11 2015 JDW — Shift office advised that SY-15 train is being shutdown for several hours (planned) to perform an electrical cord check.

6/30/11 late entry 0700 JDW — Power restored to 222-S S-21 exhauster and record sampler during afternoon of 6-29-11.

6/30/11 1300 JDW

6/30/11 2040 JDW

7/1/11 0920 JDW

7/2/11 1845 JDW

7/5/11 1630 JDW

7/6/11 0800 JDW

7/7/11 JDW

6/30/11 1300 JAW — Notified by 222-S Environmental Representative that 222-S stack S-21 has lost power including record sampler. Building now running with diesel powered fan. Notified WDOH # WRPS – 1102045

1415 JAW — Advised that temporary power has been provided to record sampler for S-21 stack.

6/30/11 2040 JAW — Advised by Central Shift Office that AN-B has been moved from temporary power to normal power.

7/1/11 0920 JAW — Advised by AN Shift Office that POR-08 is being shutdown for the weekend. Also advised that AN fans is now back on normal power

7/2/11 to 2d 1845 JAW — Advised by Central Shift Office that annulus CAM vacuum pump has failed for minor stack 296-A-20. Shift office to place vacuum pump on Env Equipment OOS. (not reportable)

7/5/11 1630 JAW — Advised by AN Shift Manager that POR-03 high temp stack alarm kicked in over the weekend, apparently due to increased air temp in conjunction with pre heater continuing to operate. Engineering to adjust heater controller. Also addressed in PER 2011-1332.

7/6/11 0800 JAW — AZ Shift Manager reported that AY-101 annulus record sampler vacuum pump failed at approx. 1610 hours on 7/5/11.

7/7/11 JOE — 0048 Notified by Central shift Mgr that 241-AN B train (296-A-45) exhauster was found shutdown. Cause unknown; shutdown At 1717 hours based on available data.

7/7/11 (cont) JDB

0441 Confirmed with CSM that no indication of a release were found for unplanned shutdown of 241-AN B train (296-A-45) + exhauster restarted at 0054 hours. 4 JDB 7/7/11

1005 WDOH notified of unplanned shut down of 296-A-45 exhauster. CNS # WRPS-1102047 Central shift Mgr + AN Team Day Shift Mgr (voice mail) informed of notification. JDB. JDB 7/7/11

1032 Notified by Central shift Mgr of unplanned shutdown of 241-AP primary ventilation exhauster (296-A-40). No reentry yet so no cause of Rad/IH sweep. HMI shows 0955 shutdown. AP sludge weight work in progress And Riser is open which complicates reentry due to whole farm is considered A CA (full dress out + respirator) + work/rest Requirements for elevated temp.

- Checked with Central shif mgr. on status of AP farm sweep + exhauster status. Sweep in progress exhauster still down no cause yet.
- Notified Central Shift Mgr of WDOH notifcation

- WDOH notified of unplanned Shut down of 296-A-40. CNS #WRPS-1102047. J. DB

7/8/2011 JDB

1634 Notified by Central shift Mgr that 296-A-40 CAM (AP primary ventilation) is considered out of service AS CAM display cannot be Read. Not Reportable

7/11/11 1130 Notified by Central Shift Mgr of unplanned shutdown of 296-A-46 primary ventilation fan.

1205 Informed by Central shift Mgr that the primary ventilation for 241-AW 'A' (296-A-46) was restarted. Fan sweep in progress. Shift Mgr (K Kennedy) advised of WDOH notification to be made & need for SOEN message JDB

1544 WDOH notified of 241 AW primary ventilation (296-A-46) A train. CNS WRPS-1102048 JDB

1634 Notified by Central Shift Mgr that AN-101 Riser 59, Annulus leak detector in alarm since 1416 hours. Annulus UT inspection in progress. Wall scrubbing is considered source of alarm. Tank level stable. JDB

7/15/11 0750 NOTIFIED BY SHIFT THAT 702 AZ (296-A-42) EXHAUSTER WILL BE SWITCHING FROM B-TRAIN TO A-TRAIN FOR EQUIPMENT CALIBRATION'S.

7/15/11 1109 702 AZ (296-A-42) JDC 7/18/11 B-TRAIN CALIBRATIONS COMPLETE

7/17/11 2239 NOTIFIED BE EAST SHIFT THAT 241 AW PRIMARY (296-A-46) EXHAUSTER SHUTDOWN DUE TO THE SEAL POT LEVEL TRANSMITTER CAUSING A SPURIOUS ALARM. CNS: WRPS 1102049

7/18/11 0700 Sort 296-A-46 NOTIFICATION TO HEALTH. MGP

7/18/11 0715 NOTIFIED DAVE MOSER - SHIFT OFFICE MANAGER - THAT NOTIFICATION WAS MADE TO WDOH ON 296-A-46 SHUTDOWN WRPS-1102050 7-19-11 MGP

MGP 7/21/11 0818 Notified by M. Parnell that exhauster 4 went into an unplanned shutdown for less than 1 minute at 2225 at 0750. The system came back up prior to losing negative pressure. Evaluating the need for a notification and have asked the Base Ops Environmental Manager to evaluate.

7/22/11 1339 Notified by B. Johnson, Shift office 702 AZ (296-A-42) B train, B fan heater appears to have malfunctioned, verified pressure across the filters was within acceptable operating range. Temperature drop across heater was 6.5° and should be minimum of 17.5°. A train is down for repair so will need to continue to run B train and will update upon further investigation. MGP

7/22/11 20:05 Notified by shift office at 2225 the leak detector in Sub 6 is alarming. Personnell performed a visual inspection and verified no free liquids. Chm

777

[redacted]

MGP 7/22/11 2241 Notified by Shift office that an unplanned electrical outage occured. EU 296-S-21. Facility ventilation was maintained and temporary power was established after approximatly 30 minits. The outage resulted in the 296-S-21 stack record sampler being out of service until temporary power was established. This event is reportable to the WDOH CNS# WRPS-1102051.

7/23/11 1900 Notified by R. Abito that the 222S Sub 6 alarm which had reset yesterday, is alarming again. A visual inspection revealed no free liquids in sump.

7/25/11 1000 Called Shift Office regarding the 702AZ B train and was informed that further investigation performed on 7-23-01 revealed that the chiller had tripped and the heater was operational. The chiller was reset and the system is now operational.

MGP 7/26/11 1923 Notified by Peterson at 222S that the Sub 6 alarm was going off again prior to visually verifying no free liquids the alarm reset.

Chron 7/27/11 Notified by Shift Office Yancy That RCR-08 had been started on C-112 at 0935. The exhauster was then shutdown at ≈ 1436

Jm 7/30/11 ≈ 10:30 Received a Call From Shift Office that ENRAF on AN-104 was out of service with an FL error. Thought that the Float was probably stuck Only Two annulus Leak detectors are in service.

08/06/2011 2108 hrs JTH

08/03/2011 0657 hrs JTH Received turnover via phone call w/ Chuck Mulkey. Randal Fox delivered the bag.
James T. Hamilton [signature] JTH [signature]

08/09/2011 2010 hrs

08/03/2011 2000 hrs JTH Received phone call from Ray Akita the FTPC for 222-S. The alarm for Sump 6 in 219-S is active. A visible observation was made of the Sump 6 area and no free liquids were observed. This is believed to be an effect caused by the continuing electrical problems at 222-S.

08/04/2011 0838 hrs JTH Received phone call from John Guberski informing that WRPS-PER-2011-1604 identified a transformer leaking oil located on NE Corner of 2704 HV. See corresponding entry into the Spill Log dated 08/04/2011 at 0838 hrs for additional information. Not reportable.

08/05/2011 1455 hrs JTH Received phone call from Central Shift Manager, Rick Anderson that the 702-AZ building exhauster vacuum gage is reading "0." However the OPS-005 check records flow being measured within normal range therefore indicating flow produced by the vacuum pump is still occurring. This indicates problem with vacuum gage. All others indications on the OPS-005 round are normal.
296-A-43 702-AZ Building Exhauster Minor Stack

[illegible] entries [illegible] account [illegible] events [illegible] on [illegible] fication JTH 1615 hrs

08/08/2011 2108 hrs JTH

Received phone call from Ray Akins the FTPC for 222-S. The alarm for Sump 6 in 219-S is active. Operations confirmed no free liquids in sump 6. Cause of alarm believed to be a result of the ongoing electrical problems at 222-S.

08/09/2011 1151 hrs

Received phone call from Matt Cattles that ~~PCR~~ JTH 08/09/2011 PCR-07 glycol pump was smoking. No indication of radioactive material release as exhauster was not connected to single-shell tank. Exhauster is located inside of C-Farm. Time urgent response received by Fire Department both dry chemical and water applied to smoking insulation from glycol pump. No one taken to medical.

No release to the environment as the fan for the exhauster was not running and was not connected to SST. Time of discovery/report to Central Shift. 1151 hours. No reported release of glycol from system. No other threats to human health or the environment. Implementation of contingency plan required as item 1, 2b, & 3 of RLEP 1.1 were triggered. Notification to Ecology will be made. JTH 08/09/2011 Discussed with ONC, Gary ~~Trumper~~ Trump that we are implementing our company procedures for notification. No time urgent response required. CNS# NRPS-1102052 sent via email to distribution @ 1610 hrs. NRPS Central Shift Office Manager Matt Schuenemann prior to email and followed up with phone call to CSM office after sending email; spoke with Josh Alms. In addition ~~called~~ JTH 08/09/2011 calls were placed to Kathy Conaway of Ecology to both her office and cell phone; voicemails left on both as Kathy was unavailable. Kathy Conaway returned phone call at 1545 hours. ONC placed on distribution and notified via phone call (spoke with Gary Trump) at 1610 hrs. N/A

Late entry to account for events captured on notification JTH 1615 hrs

1510 hrs late entry into log at 2046hrs JTH

Received phone call from Kelly Smith the Day Shift Area Manager for Team AZ. Notifying on call that AZ Tank 101 primary ENRAF has been placed "out of service." The ENRAF failed calibration, no manual tape available all annulus leak detectors functioning normally, ENRAF will be placed on TSR/Environmental Equipment list. Due date to return to service per SY Agreement is 90-days from today, Operations to check and see if a densotometer is available on AZ Tank 101. If so, inquiries will be made to see if it could be utilized as a level monitor for the tank. Not reportable at this time.

08/12 1506 DLS

8/13/11 1440pm RET

10/10/2011 0832 hrs

Performed turnover with Randal Fox. James F. Hamilton / James F. Hamilton

08/10/2011 0832hrs REF

Received turnover from James Hamilton. Randal E. Fox / ~~Randal E Fox~~ / REF / REF

8/11/2011 1650hrs RET

Recieved an email from James Hamilton about completion of PMs EE-02112 and EE-02396. "The annual preventative maintenance activities for PM Ids EE-02112 and EE-02396 were unable to be completed by their annual due date of August 8, 2011. These PMs are associated with the Uninterruptable Power Supply (UPS) system. This was a result of a planned electrical outage for the 242-A Evaporator facility. During this planned outage an opportunity to perform corrective maintenance on one of the UPS battery banks was necessary in order to replace its batteries. Completion of the post maintenance/PM performance of these systems is not possible until the power is restored to the facility and the new batteries have had a sufficient time to charge." No notification to out side agencies is neccessary at this time.

8/13/11 1340hrs RET

08/12/11 Randal Fox relayed information from the shift office, portable exhauster
1506hrs #FOR008 was started and stopped
DLD from 09:20hrs to 14:30hrs, both planned evolutions.

8/13/11
1440hrs Notified by Rakesh Malhan, Control Shift Manager, that upon review of the daily roundsheets a red circle was found on the delta temperature across the heater on the SY Primary Exhauster B-train. The Inlet heater temperature is 73°F and the inlet HEPA filter temperature is 73°F, this results in a delta temperature of 0°F. They are not able to be switch to the ~~B-train~~ A-train due to it having a bad fan motor. He stated they believe the heater is working properly just not meeting the delta temperature of 20°F. I asked to be informed when they get the delta temperature into the correct range. They have a team out to troubleshoot the heater. The heater is not required control equipment for this exhauster and a notification will not be made to outside agencies.

8/13/11
1340hrs Recieved a call from Brian Johnson of the Central Shift Office. He was seeking concurrence to continue operating the SY Primary Exhauster B-train even though the heater is experiencing problems. A maintenance crew is coming out tomorrow to troubleshoot and maybe repair. He felt it was riskier to have the farm posted as a Vapor Control Zone & no tank ventilation than operate the exhauster without the heater. They will monitor the filter DPs in the meantime.

8/14/2011 1646hrs RST

Recieved a call from Rakesh Mathan, Central Shift Manager to inform me that the heater in SY Primary B-train exhauster is now operating properly. A maintenance crew went out and reset the PLC. The PLC was not letting the glycol pump reset. The delta temperature is now within the normal operation range of >20°F.

8/16/11 0926hrs RST

8/15/2011 1053am RST

Notified by Rick Anderson, Central Shift Manager, that the Radial Breather filter on tank U-104 was installed with an unsatisfactory aerosol penetration rating of 1.015%. It is only supposed to be accepted if the manufacture aerosol penetration rating is 0.03%. This was found out through a routine environmental close-out review. The radial filter was installed on July 21, 2011. The isolation valve is remaining open. Annie Khabir, ST team environmental representative, informed me that they are sending IH out to look at the area around the filter. She also informed me that a work package is being written and they will replace the radial filter as soon as possible. ~~This event does require notification to the Washington Department of Health. CAS# WEPS-110205 3.~~ RST 8/15/11 see log entry below

8/16/11 1016hrs RST

8/17/11 1120 elm

8/15/2011 1630hrs RST

Recieved a call from Annie Khabir, Enviromental Representative. She provided information to me that she recieved from Richard Higgins, QA Manager. He found the manufacture aerosol test sheets that came with the filters and compared that value with the one recorded on the QC Datasheet 1 of S-VT-710. The value on the filter test sheet from Flanders the value was 0.015%, which meets the acceptance criteria of less than 0.03%. The value on the S-VT-710 datasheet 1 was an error. This results in this event not being reportable to the state Department of Health.

8/16/11 0926hrs RST — Dave Strasser, AN Dayshift Manager, informed me that the AN annulus exhauster will be shutdown this morning and restarted this afternoon. This may occur for several days. The reason is to reduce noise that interferes with communication at the old AN primary exhauster demolition. There is no required notification to an outside agencies.

8/16/11 1016hrs RST — Carl Howeld, 222-S Operations Manager, called to notify me of a gasoline spill at 222-S labs. See corresponding entry into the spill log dated 8/16/11 at 1016hrs for additional information. Not reportable.

8/17/11 1120 elm — Carl Howeld, 222-S called To

1) Report gasoline spill of 8/16/11 had been cleaned up. See spill Log entry
2) PM on minor stack (296-S-16) at 222-S was started on 8/16/11 in the morning and is expected to be operational by COB today. The calibration ran into some problems and normally takes only one shift. They are still expected To gather The required samples for a minor stack.

8/20/11 1040 [illegible]	Received Call From East Shift Office That CAM on AP-106 was not operational. Record Sample was still in operation	8/24/11 1030 [illegible]
8/22/11 0950 [illegible]	Late Entry On 8/15/11 James Hamilton was notified of a hot vent Sample For the 242-A Evaporator Duct. See 8/18/11 Entry	8/25/11 1430 [illegible]
8/23/11 13:09 [illegible]	Received Lab results From 8/15/11 hot vent Sample From 242-A Evaporator. Results indicate That The sample was below Limits and is not reportable	
8/23/11 19:30 [illegible]	Notified by Brian Johnson of East Shift Office That POR 08 was inadvertently Shut down at 14:33 due to an invalid procedural step. It had been started in The Morning at 08:50 notification ~~WRPS-11-02053.~~ [illegible]	8/25/11 1530 [illegible] 8/25/11 1600 [illegible]
8/24/11 [illegible] 0200 A.M.	Notified by Brian Johnson That a spill occurred at 0145 AM in C Farm. A radiator ruptured on a crane and spilled about 2 gallons of antifreeze. Entry made in spill log.	8/25/11 2311 [illegible]
8/24/11 0840 [illegible]	A Follow-up of the 8/23/11 entry on the exhauster resulted in a determination That The incident was not reportable. The exhauster was in The process of being shutdown when a procedural step resulted in setting off a CAM Alarm. Since This occurred during a planned Shut down, it is not reportable	8/26/11 1503 [illegible] 8/26/11 1550 [illegible]

8/24/11 1030 JW — 222-S Environmental Rep reported that dP readings at 222-S Counting room were approx. 0. Exhaust fan EF-4 is running normally, filter DPs are normal. No rad contamination has been found. Engineering is evaluating. Doors and hatches have been closed and taped to avoid potential contamination spread during the evaluation

8/25/11 1430 JW JW — Advised by AW/AP shift OE Josh Alms that power was being taken down in AP farm on swing shift this evening. Expected back up tonight or early tomorrow. AP Cribs impacted. Readings have been taken today and will be taken again after return of power.

8/25/11 1530 JW — Advised by ST team shift OE Nathan Boehler that SY-B will be shut down for electrical power outage.

8/25/11 1600 JW — AN annulus exhausters will be shutdown to repair annulus exhauster heater. Reported by AN Shift Mngr, Dave Strasser.

8/25/11 2311 JW — Central Shift Office, Brian Johnson, reported that SY-B exhauster was returned to service. Power restored. Heater is not yet operating, to be addressed by day shift.

8/26/11 1503 JW — AP/AW/242-A. Field Cnv. Rep reported that 242-A K-1 exhauster started up for hot Ops acceptance testing

8/26/11 1550 JW — Central Shift Office (Katie Kennedy) reported that SY-B record sampler was found with low flow today during morning checks.
AY-101 annulus record sampler was found with

low flow also. Both systems are minor stacks. Base Ops to troubleshoot systems Environmental will evaluate ABCASH status for annual sample/analysis status.

8/27/11 1536 gw — Central Shift Office (Dale Harrison) reported that AP Cam vacuum pump was found with low flow. ~~+78~~ The beta CAM (primary exhaust flow was found at 1.78 cfm. Found sheet limits are listed as 1.8 - 2.2 cfm.

8/31/11 0840 gw — Transfer of waste from AN-106 to AP-104 began at approximately ~~8~~ 2030 hrs on 8/30/11. Waste transfer is reported to be going smoothly, no indications of leakage and transfer rates slightly higher than anticipated 150 gpm vs. estimated 100 gpm. Estimated completion for the transfer will be this afternoon.

9/1/2011

1430 - Notified by 222-SFOM that build exhaust air flow went to zero, for a short time period. No info at this time as to why.

1436 - Notified by 222-S (D Hardy, L Boneman) that zero air flow occurred unexpectedly during an operational acceptance test of building ventilation. Diesel fan started but suction damper did not open. Air flow established by manual operation of damper. Currently on diesel fan; going to one electric and diesel fan to have flow in normal range to support hood flow testing. Flow GW

9/1/2011 Cont.

to remain in this fan configuration through week-end. OAT suspended until next week to determine if damper not opening is result of OAT.
JD Dubesh

9/5/2011 Informed by Central shift office that 1411 AP primary ventilation stack CAM readings are below flow range. Going to out of service Ventilation still operating. JDD

9/6/2011 1030 After discussion with 222-S Lab management, test director, and system eng event of 9/2/2011 1430/1436 is NOT reportable. Rad survey showed no release, ventilation (296-S-21) flow only momentary at zero, diesel fan damper in manual mode & manned due to just completed test section. Auto start of diesel attributed to testing p/an having a harpower than normal plenum pressure control band. While placing electric fans in Automatic a pressure swing resulted in diesel start and trip of electric fans. Manual ops of diesel fan damper not fast enough to prevent a momentary zero flow indication.
JD Dubesh

9/9/11 1100 NOTIFIED BY SHIFT THAT 296-P-47 (PO108) SHUT DOWN DUE TO HIGH DP'S ACROSS THE FILTERS. OPERATIONS TO REPLACE PRE-FILTER AND FIRST HEPA BEFORE RE-START. CNS: WRPS-1102054

SC 9/9/11 1348 SENT NOTIFICATION FOR 296-P-47 OFF TO WDOH. 09/18/

SC 9/12/11 0900 NOTIFIED BY SHIFT THAT 296-P-23 (SY "B" TRAIN) WAS FOUND SHUTDOWN DUE TO LOSS OF POWER. CNS: WRPS-1102055

09/19/1

1317 NOTIFICATION FOR 296-P-23 SENT TO WDOH

SC 9/13/11 0900 NOTIFIED BY SHIFT THAT 296-A-46 ("A" TRAIN) WAS FOUND SHUTDOWN. NO APPARENT CAUSE FOR THE SHUTDOWN WAS FOUND. EXHAUSTOR WAS RE-STARTED AT 0905. CNS: WRPS-1102056

1433 NOTIFICATION FOR 296-A-46 SENT TO WDOH

09/15/11 0557 hrs - Notified by Central shift manage of a workplace air sample collected during 107AN sludge weight removal that exceeded >8.0 DAC alpha on initial count. Air sample believed to be radon.

1500 hrs - Verified with RADCON Tech on sludge weight job the decay counted air sample was below 1.0 DAC alpha to confirm radon. 9/21/11 MGP

09/16/11 14:42 hrs - Central shift office called to inform 241-SY-102 annulus ENRAF riser 9C was found out of range at 0.59 inches. This was 1ST identified 9/13/11. Equipment tagged out of service. 9/21/11 MGP

09/18/11 0850hrs - Notified by Central Shift Office of a 1 minute unplanned power outage at the 242-A Evaporator vessel vent, 296-A-22.

WRPS-1102057 sent 9/19/11.

09/19/11 1736hrs - 222-S shift office notified the 296-S-21 stack will be shutdown during planned PM's, -annual ANSI N13.1 inspection.

2035hrs - Notified by 222-S shift the 296-S-21 stack inspection was completed and the stack is back online. No issues identified during inspection.

9/21/11 1330 LATE ENTRY FROM 7/18/11 PAGE 274. NOTIFIED THAT C-111 DUCTWORK, SURVEY POINT #15 HAD ABOVE REPORTING CRITERIA FOR CONTAMINATION LEVELS ON THE FLANGE. 25,000 dpm/100 cm² BETA-GAMMA, NO ALPHA. NO DETECTABLE CONTAMINATION ON SOIL BENEATH THE FLANGE. CNS: WRPS-1102050

9/21/11 1330 LATE ENTRY FROM 7/18/11 PAGE 274 7/18/11 FAX NOTIFICATION FOR DUCTWORK REPORTABLE CNS: WRPS-1102050 SENT TO WDOH.

9/21/11 MGP 16:46 Notified by the Central Shift Office that FOR-008 (96-P-47) was alarming due to low dP's at the first & second HEPA's resulting in an unplanned shutdown.

9/21/11 MGP 2100 Notified by the Shift Office that the smearables on the HEPA's came back within limits and that there were no radiation or contamination issues resulting from the shutdown of FOR-008. CNS: WRPS-1102058

9-25-11 MGP	1451 Notified by the Central Shift Office that the AZ 101 annulus Beta CAM was just below the acceptable criteria. The flow was ~~stat~~ read 1.6 CFM and was supposed to be 1.8 CFM or higher. This is not a required piece of equipment for 296-A-20 which is a minor unit.
9-26-11 MGP	0923 Dave Saverness called to inform that further investigation on 96-1-47 determined that the variable frequency drive (VFD) failed resulting in the low dP. WRPS-PER-2011-1976 was written. A work package was written to change the VFD and the exhauster should be operational by 9-27-11.
9-27-11 MGP	2323 Notified by 222-S Shift Office that the #3 Diesel generator went down. Currently running both filter rooms.
09/28/2011	Recieved On-Call bag from Mike Pedigo via Randal Fox. James T. Hamilton James T. Hamilton STH GV

9-25-11 MGP — 1451 Notified by the Central Shift Office that the AZ 101 annulus Beta CAM was just below the acceptable criteria. The flow was ~~red~~ read 1.6 CFM and was supposed to be 1.8 CFM or higher. This is not a required piece of equipment for 296-A-20 which is a minor unit. — 9/25/2011 1235 hrs JTH

9-26-11 MGP — 0923 Dave Sawernesig called to inform that further investigation on 96-P-47 determined that the variable frequency drive (VFD) failed resulting in the low dP. WRPS-PER-2011-1976 was written. A work package was written to change the VFD and the exhauster should be operational by 9-27-11.

9-29-11 MGP — 2323 Notified by 222-S Shift Office that the #3 Diesel generator went down. Currently running both filter rooms. — 9/01/2011 1159 hrs JTH

09/28/2011 — Received On-Call bag from Mike Peloquin via Randal Fox.
James T. Hamilton [signature] JTH [signature]

09/29/2011 1413 hrs JTH — Notified by Central Shift Manager (CSM), Brian Johnson of WRPS-PER-2011-2028. This PER was written to document the inability to obtain the quarterly level reading for S-102. Spoke with Annie Khabir and discussed the PER. According to Annie the environmentally required frequency for level measurement of S-102 is annually. A level reading was obtained for S-102 last quarter. No additional notifications at this time. — 9/03/2011 1456 hrs JTH late entry

N/A JTH

09/28/2011 1235 hrs JTH — Notified by CSM, Brian Johnson that during the performance of TF-OPS-005 daily of the following unsatisfactory readings:

241-AY-101 (296-A-18) Annulus Record Sampler
Reading 104 scfh Normal Range 108-132 scfh

241-AZ-101 Annulus Beta CAM
Reading 1.73 cfm Normal Range 1.8-2.2 cfm

241-SY B-Train (296-P-23) Primary Record Sampler
Reading 0.73 cfm Normal Range 0.75-1.25 cfm

Email sent by Brian Johnson to affected found to notify them of the out of range readings. Exhausters continuing to operate. No other notifications necessary at this time.

10/01/2011 1154 hrs JTH — Notified by CSM, Dale Harrison that during the performance of TF-OPS-005 daily of the following unsatisfactory reading:

241-AN Annulus Exhauster (296-A-30) Beta CAM
Reading 1.78 cfm Normal Range 1.8-2.2 cfm

No other notifications necessary.

10/03/2011 1456 hrs JTH Info entry — Received phone call from Scott Conrad NRPS Environmental for Closure & Retrieval. ~~Made per~~ JTH 10/03/2011
Scott asked if the Environmental On-Call had been made aware of an unplanned shutdown of POR 107 due to a training exercise at 1418 hrs. I answered "No" and asked Scott to follow up with an email to me with the details. Email received 1503 hrs on 10/03/2011.

JTH

10/04/2011 ≈ 0800 hrs JTH	Discussed with Jeff Voogd, Manager for Base Operations staff the email provided by Scott Conrad on the unplanned shutdown of POR 107 at 1410 hrs on 10/03/2011. We determined based upon the information provided by Scott Conrad that since the unplanned shutdown was caused during a training session with the Operators learning the exhauster system that it was accidental. The shutdown occurred when there were no waste disturbance activities ongoing and its cause was not related to a failure of abatement equipment ~~of~~ or monitoring equipment. No notifications to WDOH are required at this time. JTH 10/04/2011	10/5/2011 cont'd JTH 1015120 0926 W RMA
10/04/2011 ≈ 1540 hrs JTH late entry	Informed by Mark Garrett the Day Shift Area Manager for Team EV that one of the annulus leak detector ENRAFs for AW-101 was in alarm. The alarm came in after the system was powered down and turned back on. Operations will continue to monitor and maintenance will be notified to investigate. No additional notifications necessary at this time.	
10/04/2011 1737 hrs JTH late entry	Notified by Phil Treadway CSM that the annulus leak detector located in Riser 32 of SY-102 was in alarm. The remaining two detectors were within their ~~N~~ normal range. JTH 10/04/2011 Operations will continue to monitor and if possible on shift try to reset the alarm to see if it will clear. Area Team to be notified so maintenance can be performed if necessary.	1018120W 1416 HE RMA
10/05/2011 0833 hrs JTH	Informed by Mark Garrett the Day Shift Area Manager for Team EV that the annulus leak detector for AW-101 is no longer in alarm. Operations cycled the ENRAF off and on ~~A~~ JTH 10/05/2011 and the alarm cleared.	

10/5/2011	Turnover the on call responsibilities to Ruth
cont'd	Allen @ 0850 hrs. Conducted turnover of previous
5TH	weeks events. James T. Hamilton James T. Hamilton
10/5/2011	AT 0926 HRS, THE CSM CONTACTED ENV ON-CALL REP
0926 HRS	TO REPORT HYDRAULIC FLUID SPILL ON BALTIMORE AVE
RMA	BETWEEN 4th STREET AND 7 STREET IN 200 E. A
	FLATBED TRUCK, BELONGING TO AMERICAN ELECTRIC WAS
	TRANSPORTING A HYDRAULIC POWER UNIT (HPU) WHEN THE
	LOAD APPARENTLY SHIFTED. DRIVER PULLED OFF THE
	PAVED ROAD ONTO A GRAVELED AREA AND
	DISCOVERED THAT HPU HAD TIPPED OVER & LEAKING
	HYDRAULIC FLUID. IT WAS DETERMINED THAT THE
	MATERIAL DISCHARGED TO THE SOIL AND GRAVEL BELOW
	THE TRUCK WAS QUINTOLUBRIC®, A SYNTHETIC POLYOL
	ESTER. THE VOLUME OF THE SPILL IS APPROX. 50 GAL.
	ACCORDING TO MSDS 0632165, THE PRODUCT DOES NOT
	CONTAIN ANY TOXIC CONSTITUENTS. THE CSM WAS
	INFORMED THAT THE HYDRAULIC FLUID WAS NON-HAZ.
	THE HPU WAS UPRIGHTED, PROPERLY SECURED, &
	TRANSPORTED TO THE ATCO SHOP (277A) FOR REPAIR. THE
	TRUCK WAS DRIVEN TO RMA 269 (NW OF C PALM) FOR
	CLEANING. NOTIFIED BY THE CSM AT 1513 HRS THAT
	SPILL CLEANUP EFFORTS HAD BEEN COMPLETED.
10/8/2011	NOTIFIED AT 1416 HRS BY JOHN PRILUCIK THAT THE LEVEL
1416 HRS	INDICATOR FOR TANK 104 @ 222S LAB HAD LOST POWER.
RMA	THE TANK IS WITHIN THE 219S TANK SYSTEM AND
	RECEIVES LIQUID MIXED WASTE FROM THE LAB
	SINK IN ROOM 2B AND THE HOT CELLS. AS A
	COMPENSATORY MEASURE, THE FACILITY RESTRICTED
	ALL WATER ACCESS POINTS INTO THE TANK UNTIL
	POWER CAN BE RESTORED. ACCORDING TO MR. PRILUCIK,
	IT WAS INITIALLY THOUGHT THAT THE LEVEL INDICATOR
	WAS DOWN DUE TO A TRIPPED BREAKER. SINCE
	THERE WERE NO MAINTENANCE PERSONNEL AT THE
	LAB OVER THE WEEKEND, THE ISSUE WOULD BE
	INVESTIGATED ON MONDAY, OCT. 10. IN ACCORDANCE W/

	TFC-ESHQ-ENV-PS-C-01, SECTION 4.4.3, I NOTIFIED JEFF WOOD @ 1946 HRS.
	FOLLOW UP: ON MONDAY, 10/10/11, IT WAS DETERMINED THAT THE LEVEL INDICATOR AND ALARM WERE NOT OUT OF SERVICE, BUT RATHER THE CHART READER WAS MALFUNCTIONING. THE CHART READER CONVERTS WASTE HEIGHT LEVELS (IN INCHES) TO GALLONS OF WASTE. TANK VOLUME REMAINED UNCHANGED THROUGHOUT THE WEEKEND. OPERATIONS REMOVED THE RESTRICTED ACCESS. TANK VOLUMES WILL BE MONITORED ON A SHIFTLY BASIS, UNTIL THE CHART READER CAN BE PLACED BACK INTO SERVICE.
10/9/2011 1237 HRS RJMA	NOTIFIED AT 1237 HRS BY CSM RAKESH MALHAN THAT TMACS HAD INDICATED THAT AN ANNULUS ENRAF FOR AY-102 (AY102-WSTA-LDT-152) RECORDED A LEVEL MEASUREMENT THAT EXCEEDED THE NORMAL RANGE FOR THAT INSTRUMENT. THE LEVEL (0.26") WAS CONFIRMED IN THE FIELD. HOWEVER, LEVEL MEASUREMENTS FROM 2 OTHER ANNULUS ENRAFS WERE CONSIDERED TO BE WITHIN THE NORMAL RANGE (0.19" AND 0.10"). THE CSM ASSUMED THAT THE ENRAF WAS MALFUNCTIONING.
	FOLLOW UP: ENRAF 152 WAS IDENTIFIED AS "OUT OF SERVICE" ON THE 10/10/11 ORS DAILY REPORT WITH A REQUIRED BY DATE OF 1/7/12.
10/10/2011 2230 HRS RJMA	NOTIFIED BY CSM BRIAN JOHNSON ON 10/10/2011 THAT THE CHILLER FOR THE 241-AY/AZ PRIMARY EXHAUSTER FAILED @ APPROX. 2118 HRS. BECAUSE THE CHILLER IS REQUIRED TO OPERATE AS PART OF THE EMISSIONS CONTROL SYSTEM, THE PRIMARY EXHAUSTER (296-A-42) AND THE ANNULUS EXHAUSTERS (296-A-18, 296-A-19,

	AND Z96-A-207 WERE SECURED AND THE
	REQUIREMENTS OF AOP-02, RESPONSE TO TANK
	FARM VENTILATION UPSET, WERE IMPLEMENTED.
	THE AY AND AZ FARMS WERE POSTED AS VCZS.
	FOLLOW UP: ON 10/11/2011, THE CHILLER WAS RESTARTED
	AT 0832 HRS AND OPERATION OF THE PRIMARY
	AND ANNULUS EXHAUSTER WAS RESUMED AT
	APPROX. 1230 HRS, A RADIOLOGICAL SWEEP OF
	THE FARMS WAS PERFORMED WHICH CONFIRMED
	THAT A RELEASE OF AIRBORNE CONTAMINANTS
	HAD NOT OCCURRED. WDOH WAS NOTIFIED AT
	1546 HRS (REFERENCE TOC-ENV-NOT-2011-0011).
10/11/2011	ON 10/10/2011 @ 946 HRS, ECOLOGY WAS NOTIFIED
0800 HRS	THAT THE BI-MONTHLY CATHODIC PROTECTION CHECK
RMA	FOR AW FARM, SCHEDULED FOR 10/24/2011, WILL BE
	DELAYED DUE TO A PLANNED ELECTRICAL OUTAGE.
	THE TEST WILL BE PERFORMED AT THE CONCLUSION
	OF THE OUTAGE WHICH IS ESTIMATED TO LAST
	APPROX. 3 WEEKS. POWER TO THE ANNULUS LEAK
	DETECTORS AND THE LEVEL MONITORS FOR THE DSTS
	IN AW FARM WILL BE MAINTAINED DURING THE OUTAGE.
	NOTIFICATION TOC-ENV-NOT-2011-0010 WAS ISSUED BY
	JAMES HAMILTON.
10/12/2011	NOTIFIED BY JAMES HAMILTON ON 10/11/2011 OF THE
0841 HRS	FOLLOWING ACTIVITY WHICH OCCURRED AT THE Z42-A
RMA	EVAPORATOR;
	AT 1407 HRS ON 10/10/2011, OPERATION OF THE VESSEL
	VENT EXHAUSTER (Z96-A-22) WAS SECURED TO
	ALLOW THE PERFORMANCE OF A PLANNED MAINTENANCE
	ACTIVITY. VESSEL VENT NORMAL OPERATIONS WERE
	RESTORED @ 1446 HRS.
10/12/2011	NOTIFIED BY JAMES HAMILTON THAT ON 10/11/2011 @
0845 HRS	1310 HRS, TEAM EV SECURED OPERATION OF THE AW
RMA	ANNULUS EXHAUSTER (Z96-A-28) TO SUPPORT THE

AW FARM ELECTRICAL OUTAGE. 10/13/2011 1100 hrs REF

10/12/2011 0900 HRS RMA — TRANSITIONED ON-CALL RESPONSIBILITIES TO RANDALL FOX. RMA

10/12/2011 0900hrs REF — Recieved on-call from Ruth Allen
Randal E. Fox / Randal E Fox / REF

10/12/2011 1320hrs REF — Recieved a call from Field Compliance Rep that upon troubleshooting AY-102 annulus ENRAF (see 10/9/11 1237hrs entry) they raised the plummet up. Upon doing so they observed it was wet + weighed more than expected. There was also a higher than background dose reading. Operations believes that it is wet due to water instrusion from rainwater. This was discussed with the enviromental base ops compliance manager and a notification will be sent to outside agencies. 10/13/2011 1330hrs REF 10/14/2011 1418hrs REF

10/13/2011 0915hrs REF — I called Mark Lutz, AZ team Maintenance Manager, and Gary Tardiff, Engineer, about the AY-102 Annulus ENRAF 152. It was discovered this morning that the level had rose to 0.50 inches from ~~0.47~~ 0.45 inches yesterday. Engineering is requesting a video be taken of the annulus space to see if water is present. If there is 0.50 inches of water then the displacer will be flushed + ENRAF calibrated. If there is almost no water then they will replace the displacer and calibrate the ENRAF. Gary mentioned that it is known that that portion of the annulus is contaminated from the annulus pump pit in the past. 10/16/2011 2055hrs REF

10/13/2011 0930hrs REF — Notified the Central Shift Manager that a notification would be sent to the Washington Department of Ecology for the intrusion water in AY-102 annulus + ENRAF above range. Notification number TOC-ENV-NOT-2011-0012. Notification was then sent to Ecology. 10/17/2011 0428hrs REF

9/13/2011 1100 hrs RST	A phone message was left by Michelle Hendrickson, WDOE, inquiring about the AY-102 notification. The call was returned and she asked if we knew whether it was rainwater intrusion or if the ENRAF was out of calibration. I replyed that we would be answering her question when we reply to Kristi Wold, WDOE, email dated 10/13/11 1056hrs.
10/13/2011 1330hrs RST	Recieved a phone call from Michelle Hendrickson, WDOE, stating that she and Kristi Wold would be coming out to 200E to visit about AY-102 ENRAF ISE including looking at TMACS. They arrived at ~ 1430 hrs. Rachel Fox, Lucinda Borneman, Beth Famlighetti, and Gary Tardiff, WRPS attended the Ecology visit. There were several items that we need to provide.
10/14/2011 1418 hrs RST	Notified by Central Shift Manager that they have two new Annulus ENRAFs that are above range. AY-102 Annulus ENRAF in Riser 88 (AY102-WSTA-LDT-15) was reading at 0.20 inches and not alarming. AW-101 Annulus ENRAF (AW101-WSTA-LDT-153) was reading at 0.32 inches and alarming. The other two AW-101 annulus ENRAFs are in the normal operating range and the primary tank level has not decreased. They do not have a maintenance crew on right now and they will go out to troubleshoot it on Monday.
10/16/2011 2055hrs RST	Notified by Central Shift Manager that they have two leak detection pits in alarm. AW06C and AW05C had leak detectors in alarm. These are 3rd pits and not environmental equipment. No notifications are required at this time.
10/17/2011 0428hrs RST	Notified by CSM that POR-008 exhauster had an unplanned shutdown at 0415 hrs. The exhauster shutdown due to a high seal pot alarm because the seal pot was not draining properly. Corrective maintenance will be performed. Notification required.

10/17/2011 1154hrs RST — Notified by Rick Anderson, AW Team Day-shift Manager, that POR-107 exhauster was found shutdown during daily rounds. The exhauster shutdown at 0122hrs on 10/15/2011 due to record sampler low flow. Will require notifica-

10/19/11 1308 JAW

10/20/11 0830 JAW

10/17/2011 1343hrs RST — Notified Central Shift Office that two notifications for unplanned exhauster outages would be sent out. They were then subsequently sent out by email. The notifications were: POR-108 Unplanned Outage TOC-ENV-NOT-2011-0013 and POR-107 Unplanned Outage TOC-ENV-NOT-2011-0014.

10/20/11 1230 JAW

10/18/2011 0845hrs RST — Notified by EV Team Environmental Field Rep that the planned AW Farm electrical outage began at ~0945hrs 10/17/2011. WDOE was notified by Environmental earlier. The Primary Exhauster B-train and all ENTAFs are operating on tempory power. The AW annulus exhauster was shutdown for the outage. The outage will last approximately three weeks.

10/18/2011 1527hrs RST — Notified by the Central Shift Manager that the SY Primary Exhauster A-train experienced an unplanned shutdown at 1452hrs. The cause is unknown. They will perform troubleshooting today and possibly restart it tonight or tomorrow. This will require notification. TOC-ENV-NOT-2011-0015

10/19/11 1112 hrs JAW — Notified by C-Farm OE, Jeff Lobson, that CAM vacuum air flow had fallen below minimum requirements (POR-107). All waste disturbing activities have stopped for retrieval of C-107. Low flow was identified during OPS-5 rounds. Notification required. TOC-ENV-NOT-2011-0016

10/20/11 1810 JAW

Flow through the CAM was reported at 1.8 SCFM. Minimum flow specifications for the CAM are 1.9 SCFM. Maintenance and RadCon are trouble shooting. AW Day Crew Manager reported that after filter change out the flows are within range.

[redacted]

10/19/11
1308
AV

SY OE reported that SY-A Train exhauster was restarted this morning. No cause identified for the shutdown (see 10/18/11, 1527 entry).

/20/11
0830
AV

Received a call from AY/AZ Day Shift Manager (K. Smith) that AZ-102 WSTA-LDT-151 Crnaf will be out of service while the VT team performs an evaluation of the tank walls in that vicinity.

/20/11
1230
AV

Drill conditions for TX-103 event
Corrosion probe from TX-103, confinement/sleeving breached while load was suspended
approx 3 gallons of waste released to soil
10K dpm beta
2 contaminated individuals, field decon going to the 242-S decon facility, nasals neg.
Drilled call to NRC (#376-7369)
Drilled call to WDOE (#376-7369)
Drilled call to WDOH (to M Bamburger)
Lessons learned:
- RQ quantities for individual radionuclides in procedure
- Simulated contact w/ MSA area monitors (near field for potential fugitive emissions)

/20/11
510
AV

222-S Environmental Field Rep reported that maintenance on the S-21 diesel fan will be delayed due to continuing issues with damper control. The maintenance will address the diesel fan after resolution of plenum pressure control issues. Late entry PM performed on 11/2/11
see 11/10/11 entry

/20/11
810
AV

Central Shift Manager (Brian Johnson) advised that POR-107 ~~was~~ received a low vacuum flow alarm. Retrieval is shutting down waste disturbing operations.
Notification TOC-ENV-NOT-2011-0017

10/25/11 1015 JMWoogd — Received call from Central Shift Manager (Brian Johnson) reporting that POR-107 was inadvertantly shutdown by the HPT during OPS-5 rounds. There were no waste disturbing events occuring in C-107 at the time. POR-107 was restarted at approx 1100 hours. The OE for C-107 was contacted to confirm restart of the exhauster. The OE indicated that shutdown occurred at approx. 0930 hours.
Notification TOC-ENV-NOT-2011-0018

11/3/11. JDG

10/25/11 2045 — Central Shift Office (Dale Harrison) reported that a portable generator at TX farm has shutdown. The generator appears to be powering an air sampling system near the farm. Will confirm in morning.

10/26/11 0942hrs JD — AZ team day shift manager reported the 296-A-19 AY102 annulus stack was shutdown in response to the AY102 annulus leak detector CAM alarming. UPDATE: The WRPS RadCon count room located at M0997 performed GEA analysis of the annulus leak detector CAM and preliminary results appear to be radon progeny and Cs137.

10/26/11 1624 hrs — Central shift office reported 296-A-30 AN form annulus stack Beta CAM was found with high flow (2.4cfm) during TF-OPS-005 inspection.

11/3/11 JDG — 0842 JDG 11/3/11 Notified by Central shift Mgr of spill from private vehicle located in 2750-E South parking lot. Appears to be Anti-freeze. Visual insp show ≈ 5 pints green colored liquid on paved surface.

11/3/11 (Continued)

0917 - Notified by Central Shift Manager of unplanned shutdown of SY Annulus exhauster. Found shutdown @ 0855. No specific cause.

0920 - Advised by WRPS Facilities that 2750-E south parking lot is managed by MSA. Private vehicle owners contacted who provided product name & container - SuperTech Anti freeze; CAS # 7732-18-5 Water; 107-21-1 Ethylene glycol; 111-46-(Unreadable); 19766-89-3 Sodium-2-ethy hexonate; 3158-27-3 (Unreadable).

0922 - Contacted MSA (Curt Clemmons) re above Anti freeze spill. As requested contacted Hanford Occurrence notification center with spill info. MSA will respond.

0928 - Advised by James Hamilton of planned shutdown(s) of 296-A-22 (Evap Vessel Vent) and AW exhausters (296-A-46 & 47). Evap for PM's & AW related to restoring normal power to exhauster vice back-up power. AW electrical outage ended.

0934 - Sent MSA (Tom Rysto) & ONC pictures of Anti freeze spill of 0812 hours and CAS # of product. Recorded spill in WRPS spill log.

1428 - SY Annulus unplanned shut down (0917 entry) due to high differential pressure across 1st filter result of inlet duct damper positions, rather than filter loading. Switch has been unpowered during SY project upgrades over last year. Was just returned to service

11/3/11 JDE

1428 (cont). Believe switch set point and actual vacuum were very close and a minor variation in flow caused pressure to reach set point. Dampers to be repositioned and exhauster restarted

1515 Notified Central Shift Mgr of pending notification to WDOH for unplanned SY Annex exhauster shutdown (296-P-22).

1557 Notified WDOH of unplanned shutdown of 296-P-22 [TOC-ENV-NOT-0021].

11/4/11 JDE

0945 DRILL DRILL DRILL
222-S Env Rep reports smoke coming from drum in TSD (Room 2B). 6 personnel missing. Contigency plan being implemented. Notification to Ecology to be made. No flame seen. Fire Dept responding. NOT NRC #11.

1003 222-S Env Rep reports no injuries 5 of 6 missing personnel located, Smoke from a fire in drum

1054 222-S Env Rep reports fire out, all personnel accounted for no injuries. Drill terminated
DRILL DRILL DRILL

1317 AW farm completed placing primary exhausters on normal power. (See 11/3/11 0928 entry) as well as Evap. Vent.

11/8/11 1142 Informed by D Dyekman that 296-A-19 (AY-102) exhauster had 2 filters, one in each stage, fail aerosol test. 1st stage 0.14% penetration

11/4/11 JDE

11/5/11

11/9/11 dm

11/10/11 dm

11/16/11 dm

11/4/11 (cont)
GBL 1142 (cont) 2nd stage at 0.056.
Ops secured exhausters at 1125 hours.
Both stages are 2x2 filter arrangement.

1603 – ST Area Day shift Mgr reports SY primary exhausters shifted from B-train to A-train. However, SY A-train stack sampling not in service due to a valve problem. Sampling vacuum pumps have been shutdown to prevent failure of equipment.

11/5/11 1015 Informed CSM of impending WDOH notification for 296-A-19 HEPA Aerosol test failure

1030 Notified WDOH of HEPAs at 296-A-19 Not-passing Aerosol test. [TOC-ENV-NOT-0022]

11/9/11 1400 Notified by Nancy of Shift Office.
chn That POR-008 was shutdown at 1310 and restarted at 1320 for software change. This shutdown was intentional and is not reportable

11/10/11 0855 Informed by J Guberski that the
chn vacuum pump auto switch on Alpha train did not cause the valves to switch and the valves must be switched automatically

11/10/11 0850 Received email that delayed
chn maintenance on 222-S Exhaust Fan 1&4 was performed on 11/2/11 [EF-4PM(PM; 25-06706)]. See entry of 10/20/11 1510.

11/11/11 1441 East shift office (Brian Johnson) 11-18-11
Un Called to report (1) The SY Annulus exhauster MGP
was discovered shut down at 0905 and
was restarted at 1412. Suspected
Cause was plugging of The inlet From high
moisture content and low Temperature. This
Caused The shut down on High Vacuum.
1440 (2) AZ-101 anulus Flow cam Low Flow
Could not be adjusted
1440 (3) AN-101 Anulus Stack Cam Low Flow
Could not be adjusted.
Cause of both CAM problems is Thought
to be high moisture and They will 11-18-11
Try adjusting them on 11/12/11 MGP

11/12/11 1523 Brian Johnson reported That
Un The AN-104 Tank EnRAF Failed and
was ~~Fo~~ th Alarm was received about
0600. Cause is not known.

11/14/11 Rick Anderson reported That AN-101
Un Annulus CAM was back in service

11/15/11 0600 Received Call from shift office
That 702 AZ Main stack CAM
Failed on Low Flow and They were
unable To adjust Flow. The
record sampler continued To Function
A check of The CAM indicated That
it Needs To be replaced. Dale Dykman
Contacted John Schmidt at DOH regarding
Continuing To operate The exhauster until
the CAM Could be replaced on 11/18/11
and obtained a verbal approval. A
Confirming email is being sent.
Notification TOC-ENV-NOT-2011-0023

11-18-11 MGP 1317 Rick Anderson, Shift Office called to report the BX-109 Riser 3 thermocouple tree had the bottom two fail. All other thermocouples were SAT.
(2) AN-101 annulus CAM registered a low flow @ 1.5 vs. a satisfactory 1.83 cause is thought to be moisture and they will troubleshoot to repair.
(3) AN-104 Enraf registered a fail code again. Operator will troubleshoot when he arrives on shift.

11-18-11 MGP DRILL DRILL DRILL
1323 Drill message that an excavator broke a pipe during a waste transfer from 219S (222S) to 101SY leak detector alarmed. a release to the Environment occurred resulting in a 10 x 10 area with 1-2 inches of waste. Hanford fire responded and were being decontaminated at the time of this call. Based on this info I confirmed the RCRA contingency plan should be implemented.
1331 calculated the spill to be 50-100 gallons of waste and received waste data from 222S. RQ for sum of fractions and simulated call to NRC. Controller allowed a simulated response to the ICP also.
1333 Called Shift office and confirmed off-site agencies would be notified including NRC, Ecology, Health, B.G. LEPC, F.C. LEPC, SEPC and confirmed Environmental Manager was notified.
1400 Worked with 222S Environmental on several other issues.
1420 Drill was terminated.
DRILL DRILL DRILL

11/18/11 MGP — 1017 PM 702 AZ Stack CAM was replaced but did not pass the functional tests. Followup will be conducted on 11-21-11 TOC-ENV-NOT-2011-0023

11/21/11 MGP — 1146 Rick Andersen Shift Office called to report the BX-104 dp was off Spec @ 2.19 vs satisfactory 1.6 dp temperature was 28° and the casing was thought to be icing from condensation.

11/21/11 MGP — 1445 Dale Dyckman, WRPS provided John Schmidt & John Martell WDOH update on the 291-A-42 stack. The maintenance was completed today and it is operating with all required equipment. TOC-ENV-NOT-2011-0023

11/22/11 MGP — 1400 Ron Tucker called to clarify that the 241 BX 104 HEPA Breather filter differential pressure test was above acceptable range for performing the annual aerosol test. The actual aerosol penetration test was 0.020% meeting the acceptance criteria of less than 0.05% penetration (greater than 99.95% removal efficiency. Notification to WDOH under TOC-ENV-NOT-2011-0025 EV 255

11/27/11 NEW Log Book STARTED ON 11/27/11

JSC 11/27/11 1222 NOTIFIED BY SHIFT THAT 296-A-30 (ANNULUS "A" TRAIN) WAS FOUND SHUTDOWN AT 0033 ON 11/24/11. A BREAKER WAS FOUND IN THE TRIPPED POSITION. OPERATIONS WILL TROUBLESHOOT ON 11/28/11. "B" TRAIN IS OPERATING. NOTIFICATION NUMBER IS TOC-ENV-NOT-2011-0026

JSC 11/28/11 0857 NOTIFICATION FOR 296-A-30 SHUTDOWN SENT TO HEALTH.

JSC 11/29/11 0830 NOTIFIED BY SHIFT THAT 296-P-47 (POR08) EXHAUSTER WAS FOUND SHUTDOWN ON 11/28/11 AT 2235 HRS. 1ST AND 2ND HIGH DP WAS THE CAUSE FOR SHUTDOWN. NOTIFICATION NUMBER IS TOC-ENV-NOT-2011-0027.

1310 NOTIFICATION FOR 296-P-47 SHUTDOWN SENT TO HEALTH

11/28/2011 JTH Received turnover from Scott Conrad @ 0635 hrs.
James T. Hamilton [signature] JTH [signature]

0821 hrs JTH Notified by Team AN Day Shift Area manager, Rick Anderson that Team AN was unlikely to meet ~~[illegible]~~ JTH 11/30/2011 the 15-day requirement for change out of the BX 104 Breather Filter. The 15-day requirement is found in RPP-16922. I made inquiry as ~~[illegible]~~ JTH 11/30/2011 to the basis for the 15-day requirement. Jeff Voogd to discuss the timing for the completion of the HEPA filter changeout being greater than 15-days at RTAM meeting with WDOH.

2 '30/2011 cont'd late entry 1540 hrs JTH

Received phone call from Dale Dyerkman, Environmental for Team AY/AZ. Dale informed me and followed up with an email the following: "AZ team day shift supervisor called to inform me (i.e. Dale) the 204 AR Catch Tank Sump, leak detector alarm panel is out of service due to a tripped electrical breaker. The component number from AZ daily rounds is: AR204-WT-LDA-101; the daily level measurements on the catch tank are unaffected and to continue to be recorded daily." Dale also requested OPS place this item on the TSR/OOS daily shift ops report with a 90-day due date. No additional notifications necessary at this time.

955 hrs JTH

Notified by Central Shift Manager, Phil Treadway that Operators found the AN Annulus B-Train shutdown. Currently AN Annulus A-Train is out of service due to a breaker needing replacement. AN Annulus B-Train was restarted and currently functioning normally. No cause has been determined which led to the unplanned shutdown at this time. This will result in a notification to WDOH by the close of business, December 1, 2011.

1/01/2011 718 hrs JTH

Reviewed Central Shift Manager's logbook for time of discovery for AN Annulus B-Train ~~entry~~ JTH 12/01/2011 (1940 hrs) ~~or~~ JTH 12/01/2011 shutdown; reveiw entry made at 1955 hrs on 11/30/2011. Obtained Notification Number: TOC-ENV-NOT-2011-0028

1115 hrs JTH

Notified Central Shift Manager, Dale Harrison that notification TOC-ENV-NOT-2011-0028 was being sent to WDOH. Notification sent at 1119 hrs.

5 hrs TH

Received phone call (i.e. voice mail) from Scott Conrad. Scott informed that HPTs found condensate/moisture dripping from a valve associated with the ventilation ductwork for C112. Reported values for the smear was 25,000 dpm/100cm² BY and

[illegible]/01/2011 cont'd JTH

[illegible]/02/2011 5459 JTH

[illegible]720 hrs JTH

[illegible]41 hrs JTH

[illegible]25 hrs JTH

2/01/2011 cont'd JTH — 40,000 dpm/100cm² βγ on ground. Scott is awaiting a copy of RSR and additional discussion with Mike Peloquin and Jeffry Voogd on appropriate notifications to WDOH. If numbers are confirmed on the RSR at levels above 10,000 dpm/100cm² βγ, this would normally trigger the reporting requirement. Awaiting management direction from a meeting to occur on Friday, 12/02/2011. Will update notification log with any further information.

2/02/2011 0459 JTH — Notified by Central Shift Manager, Phil Treadway that POR 03 operation was secured during a planned shutdown. In addition POR 08 HEPA filters were replaced and are awaiting aerosol testing prior to returning POR 08 to service. No action required by Environmental On-Call at this time.

720 hrs JTH — Notified by Evaporator Shift Manager, Lew Walker that a preventative maintenance activity to test the Pressure Differential Indicating Transmitter (PDIT) across the Vessel Vent HEPA Filters (296-A-22) will cause a planned shutdown of the exhauster.

141 hrs JTH — Notified by Team EV Day Shift Area Manager, Mark Garrett that AW-101 Annulus Leak detector 153 is ~~it~~ in alarm at 0.84 inches. The other two annulus leak detectors are not in alarm and tank level is available and trending within range. Maintenance is going to the field to investigate after Operations had already attempted to reset the annulus leak detector (i.e. ENRAF). JTH 12/02/2011

225 hrs JTH — Email received from Jeffry Voogd, concerning the path forward on breather filter BX-104 (see entry dated 11/30/2011 at 0831 hrs). The email was a forward of an email from Jeff to John Schmidt of WDOH recapping a discussion which occurred at the RTAM.

4

12/02/2011 cont'd JTH

Jeff informed John Schmidt that, "NRPS will be delayed in meeting the WRPS 15-day schedule window (12/6/11) for the replacement of the breather filter." The email also notes that, "the BX-104 breather filter is scheduled for replacement on, or prior to, 12/8/2011." Jeff stated ~~in an~~ JTH 12/5/2011 that an email response back from John Schmidt would be documented by putting a that email to the Environmental Clerk to be saved.

1435 hrs late entry JTH

Refer to entry dated 12/01/2011 at 1555 hrs. In a post staff meeting discussion Jeff Voogd and Scott Conrad along with Chuck Mulkey and Randal Fox in attendance discussed the path forward on the moisture and readings found outside of the ventilation ductwork for C112. The recommendation and confirmed later in the day with a discussion with both Scott Conrad and Jeff Voogd was for Retrieval to continue to monitor the location so it could be determined whether or not the contamination is originating from the interior of the ductwork or if the contamination is from somewhere else in the immediate work area as C-Farm is a contaminated farm. Scott Conrad did state that he had left a message with WDOH to discuss this issue further. No formal notification necessary at this time based upon direction from management and the continued monitoring of the location.

12/05/2011 0715 hrs JTH

Refer to entry dated 12/02/2011 at 0720 hrs; Evaporator Shift Manager Lew Walker stated that the ADIT testing did not occur on Friday as planned but should take place today.

1401 hrs JTH

Notified CSM, Phil Treadway that WDOH notification was being sent to WDOH for the elevated contamination levels found new survey points 26 & 27 for the C112 ductwork. This was determined after Scott Conrad discussed with Mike Peloquin and Jeff

cont'd ... likely source of the contaminant ...
STH being from the internals of the ductwork. Engineering surmised based upon pictures of the valve that the valves' orientation could make it likely that the contamination originated from the ductwork. Refer to log entry 12/02/2011 @ 1435 hrs for continuing discussion thread. Notification #: TOC-ENV-NOT-2011-0029

06/2011 Received shift notification via SOEN system that
435 hrs 702-AZ VTP had shutdown and the AY/AZ Fans
STH is now a VCZ. Follow up phone call from CSM, Phil Treadway received at 0504 hrs. No additional information on cause of shutdown provided. Shutdown occured at 0433 hrs. This will result in a WDOH notification due to an unplanned shutdown.

720 hrs Refer to entry dated 12/01/2011 at 0715 hrs: Evaporator
STH Shift Manager Lew Wilker informed Environmental On Call that PLIT testing at 242-A on the Vessel Vent has not occured and is contingent work for today.

32 hrs Notified via email from Day Shift Area Manager
STH for Team EV, ~~that~~ Mark Garrett that ~~the AY~~ AW
Annulus Fans for the annulus exhauster are being secured to perform corrective maintenance, TFC-WO-11-5733. This work is to replace an electrical breaker.

1104 hrs Notified CSM Office that notification to WDOH
TH was being made for the unplanned shutdown of 702-AZ Tank Exhauster (296-A-12). Notification #: TOC-ENV-NOT-2011-0020. Sent via email distribution at 1305 hrs. Refer to entry dated today at 0435 hrs.

16 hrs Notified by Team AW Day Shift Area Manager, Rick Anderson
e entry that the BX-104 filter changeout encountered
TH minimal ice build up. This was able to be cleared with the use of dry rags. Sending email to responsible Environmental Field Representatives. Phone call received 1114 hrs.

6
06/2011 Notified by Team AN Day Shift Area Manager,
ont'd Rick Anderson that the 30-12-03 C112 Drywell
TH has water present in it. Water level was located at
00 hrs 84-foot. Swabs were taken and no contamination
was detected.

15 51 JTH 12/06/2011
~~1556~~ hrs Notified by Matt Cattlers, Operations Engineer for
TH Team EV that both trains for the AW Annulus
exhauster were returned to service at 1300 hrs.
(296-A-). Refer to today's entry at 0832 hrs.

556 hrs Notified by CSM, Phil Treadway that this morning
STH. unplanned shutdown of the 702-AZ Tank Exhauster
was not limited to just the primary ventilation. TMACS
logs seen to indicate that an annulus exhauster in
AY/AZ Farm shutdown as well. Operations personnel
restarted the annulus exhauster without issue. Refer to
log entry today at 0435 hrs. In addition Dale
Dyekman the Environmental Representative for Team
AY/AZ followed Phil's phone call with one of
his own. Again stating the same information. Dale was
going to put information in an email to the Environmental
On-Call. Additional discussion to be had on morning of
12/07/2012. Management to be consulted prior to issuance
of notification to WDOH.

608 hrs Notified by Rick Anderson Day Shift Area Manager
STH for Team AN that the BX-104 Brother Filter
was successfully changed and passed aerosol testing
of the new filter satisfactorily.

204 hrs Notified by CSM, Rakesh Malhan that the
STH Hanford Site experienced a power fluctuation,
"glitch" which caused the 702-AZ Primary Tank
Exhauster to shutdown at 2045 hours. The
exhauster was restarted at 2135 hours. No other
exhausters were affected. In addition POR 08
Exhauster was started after completing a successful

[illegible] test.

[illegible]'d
STH

[illegible]58 hrs
STH

Notified by CSM, Rakesh Malhan that the 702-AZ Primary Tank Exhauster was unable to be maintained within satisfactory operating parameters therefore exhauster operation was being secured until day shift could evaluate the exhauster and return to normal service. Exhauster operation was secured at 2256 hrs.

[illegible]/07/2011
[illegible]29 hrs
STH.

Notified by CSM, Phil Treadway that last night's (12/06/2011 @ 2204 hrs) events also affected the annulus exhauster for AZ.

[illegible]45 hrs
STH

Notified CSM office of notification being sent for the discovery of the unplanned shutdown of the AZ Annulus Exhauster on 12/06/2011 @ 1310 hrs. Refer to notification log entry dated 12/06/2011 @ 1556 hrs. Notification is being made after reviewing a series of emails and CSM logbook for information. Notification #: TOC-ENV-NOT-2011-0031, sent 1047 hrs.

[illegible]09 hrs
STH

Notified by Team AZ Day Shift Area Manager, ~~that~~ STH, 12/07/2011 Kelly Smith, that the AZ Annulus Exhauster was returned to service at 1200 hrs.

[illegible]19 hrs
STH

Notified CSM that notification for the unplanned shutdown of both the 241-AY/AZ Tank Exhauster 702-AZ (296-A-42) and the AZ Annulus is being sent to WDOH. Notification #: TOC-ENV-NOT-2011-0032 Notification sent 1220 hrs.

[illegible]35 hrs
STH

Turnover on-call responsibilities to Ruth Allen.

James T. Hamilton
[signature]

8

.17/2011
)859 HRS
RMA

NOTIFIED AT 0859 BY AREA DAYSHIFT MGR FOR TEAM AM (RICK ANDERSON) THAT A PORTABLE EXHAUSTER IN C PAD, POR-008, HAD SHUTDOWN AT 0730 HRS. AN INVESTIGATION FOUND THAT SHUTDOWN DUE TO INEFFECTIVE HEAT TRACING ON ONE OF THE SEAL POT LINES. THE LINE WAS THAWED AND THE HEAT TRACE WIRING WAS PROPERLY SECURED. THE EXHAUSTER WAS RESTARTED AT 1352 HRS. NOTIFICATION TOC-ENV-NOT-2011-0033 WAS SUBMITTED TO WDOH @ 1648 HRS.

2/7/2011
731 HRS
RMA
*

NOTIFIED AT 1731 HRS BY DALE DYELMAN THAT THE FLOW TOTALIZER FOR Z96-A-92 RECORD SAMPLER FAILED TO MEET CALIBRATION CRITERIA DURING THE PERFORMANCE OF AN ANNUAL MAINTENANCE ACTIVITY. THE SAMPLER CONTINUES TO OPERATE; HOWEVER IT IS NOT CLEAR IF THERE IS ISOKINETIC FLOW THROUGH THE SAMPLER.

2/8/2011
107 HRS
RMA

NOTIFIED AT 0907 HRS BY THE AREA DAYSHIFT MGR FOR TEAM ST (DAN NIEBUHR) THAT THE 2X ANNULUS EXHAUSTER (Z96-P-22) SHUTDOWN AT 0850 HRS DUE TO ICE BUILDUP ON THE INLET AIR FILTER. CURRENT PLANS ARE TO RESTART THE EXHAUSTER NEXT WEEK. WDOH NOTIFIED AT 1116 HRS (TOC-ENV-NOT-2011-0038)

12/8/2011
928 HRS
RMA

NOTIFIED AT 0928 HRS BY THE AREA DAYSHIFT MGR FOR TEAM AM (RICK ANDERSON) THAT PORTABLE EXHAUSTER, POR-008, SHUTDOWN @ 1227 HRS DUE TO MALFUNCTION OF THE HEATER FOR THE CAM/RECORD SAMPLER CABINET. THE HEATER WAS REPAIRED & EFFORTS ARE CURRENTLY UNDERWAY TO RESTART. WDOH NOTIFIED @ 1629 HRS (TOC-ENV-NOT-2011-0036).

[illegible]	NOTIFIED AT 1021 HRS BY JAMES HAMILTON
1021 HRS	THAT THE AP ANNULUS EXHAUSTER (Z96-A-41)
RMA	SHUT DOWN AT 1005 DUE TO ICE BUILDUP ON
	INLET AIR FILTER. THE EXHAUSTER WILL BE
	RESTARTED ONCE SUSTAINED TEMPS EXCEED
	32°F (0°C). WDOH WAS NOTIFIED AT 1649 HRS
	(TOC-ENV-NOT-2011-00377).
12/8/2011	NOTIFIED @ 1043 HRS BY THE AREA DAYSHIFT MGR
1043 HRS	FOR TEAM AM (RICK ANDERSON) THAT POL-107
RMA	SHUTDOWN @ 0612 HRS DUE TO ICE BUILDUP ON
**	THE INLET AIR FILTER. THE ICE WAS CLEARED
	AND THE EXHAUSTER WAS RESTARTED AT
	1055 HRS. WDOH WAS NOTIFIED AT 1547 HRS
	(TOC-ENV-NOT-2011-00355).
12/8/2011	
1547 HRS	NOTIFIED AT 1647 HRS BY THE AREA DAYSHIFT
RMA	MGR FOR TEAM AM (RICK ANDERSON) THAT THE
	FLOW THROUGH THE CAM FOR THE Z41-AM
	ANNULUS EXHAUSTER (Z96-A-30) WAS 1.75 CFM -
	SLIGHTLY OUTSIDE OPERATING PARAMETERS OF
	1.8 - 2.2 CFM. THE CAM CONTINUES TO OPERATE.
12/8/2011	AS REPORTED ON 12/7/2011, THE FLOW TOTALIZER
1918 HRS	FOR THE Z96-A-42 STACK RECORD SAMPLE
RMA	SYSTEM FAILED TO MEET CALIBRATION
*	CRITERIA. PROCUREMENT OF REPLACEMENT
	PARTS HAS BEEN EXPEDITED & WILL BE INSTALLED
	AS SOON AS THEY ARE AVAILABLE. AS OF 12/8/2011,
	THE RECORD SAMPLE & EXHAUSTER CONTINUE TO
	OPERATE, BUT THE SAMPLE FLOW RATE &
	TOTALIZER READINGS ARE UNRELIABLE. WDOH
	WAS NOTIFIED AT 1918 HRS (TOC-ENV-NOT-2011-
	00347).
	RMA
	12/8/2011

12/9/2011 NOTIFIED BY CSM MIKE JOHNSON @ 1535 HRS
1535 HRS THAT THE ENRAF FOR AZ-102 INDICATED AN
RLMA INCREASE IN THE TANK LEVEL FROM 340.80
*** TO 341.82 INCHES. THE INCREASE, NOTICED @
1100 HRS, MAY BE ATTRIBUTED TO
INSTRUMENTATION MALFUNCTION. AN
INVESTIGATION WILL BE LAUNCHED NEXT WEEK.

12/12/2011 AS REPORTED ON 12/9/2011, THE AZ-102
1300 HRS ENRAF APPEARED TO BE MALFUNCTIONING.
RLMD A CREW WAS DISPATCHED TO INVESTIGATE &
*** FOUND THE ENRAF COVERED IN ICE. ACCORDING
TO THE AREA DAYSHIFT MGR FOR TEAM A7
(KELLY SMITH), THE ICE WAS THAWED
& THE ENRAF WAS RETURNED TO SERVICE
AT APPROX. 1300 HRS.

12/13/2011 NOTIFIED @ 0920 HRS BY JOHN GUBERSKI THAT
0920 HRS THE ENRAF FOR 241-SY-102 EXCEEDED THE
RLMA ALLOWED 90-DAY WINDOW FOR DOWNTIME
(RETURN TO SERVICE ON OR BEFORE 12/12/2011)
DUE TO ELECTRICAL SAFETY ISSUE WHICH
PREVENTED PERSONNEL FROM RESOLVING THE
REASON FOR AN OUT-OF-RANGE READING BY
COB ON 12/12/11. A NOTIFICATION WAS ISSUED
TO ECOLOGY @ 1159 HRS (TOC-ENV-NOT-2011-0039).

12/13/2011 NOTIFIED @ 0945 HRS BY RICK ANDERSON
0945 HRS (TEAM A7) THAT FLOW THROUGH THE
RLMA CAM FOR THE 241-A7 ANNULUS EXHAUSTER
(Z96-A-307) WAS 1.61 CFM, WHICH IS OUTSIDE
THE OPERATING PARAMETER OF 1.8-2.2 CFM.
THE CAM CONTINUES TO OPERATE.

1013 HRS	NOTIFIED @ 1013 HRS BY RICK ANDERSON //
EMA	CTEAM AND THAT POR-107 WAS RESTARTED
**	AT 1005 HRS. THE PORTABLE EXHAUSTER
	SHUTDOWN ON 12/8/2011 DUE TO FREEZING
	WEATHER CONDITIONS.
2/14/2011 @ 22hrs 7x7	Turnover of on-call responsabilities from Ruth Allen to Randal Fox.
	Randal Fox ~~[illegible]~~ 7x7
2/14/2011 @ 22hrs (2nd entry) 7x7	Notified by Dan Nieber, ST Dayshift Manager, that they will be changing out radial breather filters in TX and TY farms. He will notify Environmental On-call when complete.
2/15/2011 @ 10 hrs (2nd entry) 7x7	Received an email from the EV team Environmental Rep with the following information recorded in the work record.
	"Environmental Representative for the 242-A facility was notified by maintenance planning on 12/08/2011 that PM# EE-08995 was late due after 12/08/2011. This PM was originally scheduled to be performed after the corrective maintenance package to replace the ULD-1 Leak Detection cable. However, the timing of the completion of the corrective maintenance package was not able to be performed by the PM late due date. Therefore, compensatory measures were put in place by the end of shift to stop fuel deliveries to the underground storage tank by removal of the state issued permit tag. In addition, two consecutive level measurements of the liquid level in the tank accurate to within 1/8 inch were made by facility personnel. These measurements were recorded in the 242-A shift operations logbook. Initial level measurements on 12/08/2011 were 40 1/4 inches. At the conclusion of todays work having completed the ULD-1 Diesel tank leak detector function test satisfactorily, the state issued permit tag was installed and two consecutive level measurements of the tank level accurate to within 1/8 inch were made by facility personnel. Final level measurements on 12/14/2011 were 40 1/4 inches.

12

12/15/2011 cont'd — This is the same level recorded from the 12/8/2011. These level measurements are recorded in the 242-A shift operations log."
This was an entry in the work record of TFC-wo-11-4669 on 12/14/2011.

12/16/2011 0920hrs RLT — Notified by ST Team Environmental Representative that the SY Primary Exhauster B-Train (296-P-23) shutdown at 0500hrs. The cause is currently unknown and the exhauster will be troubleshooted. Notification number is TOC-ENV-NOT-2011-0040.
Further information provided indicates it may be an electrical problem, further investigation will be performed. There is no indication of a release.

12/16/2011 1250hrs RLT — Central Shift Office notified of sending notification to WDOH then notification sent.

12/16/2011 1337hrs RLT — Notified by ST Team that SY A-Train Primary Exhauster is now operating.

12/19/2011 1000hrs RLT — Notified by Brian Johnson, Central Shift Manager, that the AN Primary B-Train exhauster had experienced an unplanned shutdown at 0918 hrs and was restarted at 0921 hrs. Rick Anderson, AN Dayshift Manager, called later to report that they could not determine an apparent cause. There is no indication of a release. Notification number is TOC-ENV-NOT-2011-0041.

12/19/2011 1353hrs RLT — Notification for AN B-train Primary Exhauster unplanned shutdown sent to WDOH and Central Shift Office notified.

12/27/2011 0821hrs LD — Team AZ day shift supervisor called to inform of planned 702AZ exhauster outage for ANSI N13.1 quarterly inspections

0830 jaw

0900 Record call from Josh Alva, EV Team Day Shift. 24-A back up diesel generator will be going down today and part of tomorrow for maintenance.

12/28/11 2310 jaw Advised by CSM (Phil Swadosz) that AN-B, AW-A and Portable 08 exhausters experienced an unplanned shutdown at 2213 hrs yesterday. Power was still available in the areas. High winds occurring during this time. Suspected cause HMI issues. Restarted all 3 exhausters by 2348 hrs.

12/29/11 0434 jaw Advised by CSM that ventilation went down for AW, AN and 700-AZ at approx 0300 hrs. Also advised of loss of POR-08.

12/29/11 1450 jaw Notifications TOC-ENV-NOT-2011-0042 TOC-ENV-NOT-2011-0043 submitted for events above 12/28 2310 + 12/29.

12/29/11 1526 jaw Josh Alva, EV Team Day Shift, called to report that maintenance on 24-A diesel generator is complete and system will be returned to active / standby.

12/30/11 0405 jaw Notified by CSM (Phil Swadosz) that AP B exhauster shut down, cause unknown. The exhauster was restarted and surveys (rad con) were ongoing at the time of the call. Notification TOC-ENV-NOT-2011-44

1/2/12 1700 jaw Notified by (CSM) Phil Swadosz that AP exhauster shut down, cause unknown. The exhauster was restarted and rad-con surveys complete. Notification TOC-ENV-NOT-2012-0001

2012

12/28/11 0830 JAV — Received turnover of duty & on call duties from Dale Dykstra.

0900 — Received call from Josh Alm, EV Team Day Shift. 24-A back up diesel generator will be going down today and part of tomorrow for maintenance.

12/28/11 2310 JAV — Advised by CSM (Phil Treadway) that AN-B, AW-A and Portable 08 exhausters experienced an unplanned shutdown at 2213 HRS JAV. Power was still available in the areas. High winds occurring during this time. Suspected cause HMI issues. Restarted all 3 exhausters by 2348 hrs.

12/29/11 0434 JAV — Advised by CSM that ventilation went down for AW, AN and 702-A2 at approx 0300 hrs. Also advised of loss of POR-08.

12/29/11 1450 JAV — Notifications TOC-ENV-NOT-2011-0042 TOC-ENV-NOT-2011-0043 submitted for events above 12/28 2310 & 12/29

12/29/11 1526 JAV — Josh Alm, EV Team Day Shift called to report that maintenance on 24-A diesel generator is complete and system will be returned to active/standby.

12/30/11 0405 JAV — Notified by CSM (Phil Treadway) that AP B exhauster shut down, cause unknown. The exhauster was restarted and sweeps (rad con) were ongoing at the time of the call. Notification TOC-ENV-NOT-2011-44

1/2/12 1700 JAV — Notified by (CSM) Phil Treadway that AP exhauster shutdown, cause unknown. The exhauster was restarted and rad-con sweeps complete. Notification TOC-ENV-NOT-2012-0001

1/2/12 JW 1225	Received notice from AZ/NZ Environmental Specialist that 244-A left DCRT liquid level measurement could not be taken due to high LFL concentrations. Attempts were made to collect the level measurement on 12/19/2011, 12/28/2011, 12/30/2011. Base Ops will continue to attempt to measure the liquid level.
1/12/12 07:53 clm	Notified by Shift Office (Navey) That POR 08 shut down at 0149 due to low seal pot Level. This was potentially caused by a Frozen Line. Notification TOC-Env. No. 2012-0002
1/12/12 0930 clm	Notified by J Gubersky That SY annulus exhauster was shut down for Planned maintenance at 0917, This is not reportable
1/12/12 10:59 clm	Notified by Shift Office that POR-08 was restarted at 10:55. No specific problem was identified and the alarm cleared by itself. (see entry at 07:53.
1/12/12 3:09 PM WH	Entered AOP-021 for unplanned Shutdown of AP Primary exhauster. Called by James Hamilton (0 3:45) That shut down occurred when CAM was being switched From bypass to operational. This resulted in an alarm That shut down The exhauster at 1455. The AP stack is a Minor stack and does not require operation of The CAM. Subsequent information is that exhauster shut down at 1450 and was backup at 1510. Cause of Shutdown was a CAM electrical problem. No evidence of contamination. notification TOC-Env-Not-2012-0003

11/2/12 1548 ehm — Notified by Gubershi that SY EnRAFs were back in service

11/3/12 0740 ehm — Notified by shift office of the shutdown of POR-08 at 7:20. IT was restated at 09:59 but shut down again at 11:50. The problem seems to be the pressure Transmitter on the Seal pot Level and may be related to the cold weather. Whe heated the transmitter appear to Function but the temperature fluctuates. The are continuing to try to fix the transmitter
Notification Toc-Env-Not-2012-004

11/6/12 5:50 ehm — Notified by Shift office that POR-08 had shut down at 3:45 A.M. due to a Low seal pot Level. IT was restated at 1300 on 11/6/12
Notification Toc-Env-Not-2012-005

11/7/12 0900 ehm — Notified by Josh at the 242-A evaporator that the vessel vent will be down for preventive maintenance. For the next several days. Package Number is TFC-SWD-09-1438. no reporting is required

11/7/12 1527 ehm — Received call From Lucinda Borneman stating That the main stack at 222-S (S-21) would have its sampling system taken out of service for several hours this evening. They will call Tomorrow to report when it is back in service.

1/17/12 10:07 PM klw

An Primary exhauster was found shut down at 1725 PM. It was restarted at 18:02. There were high winds at the time but no the cause of the shutdown is known. A Train was operating (296-A-44). Notification Toc-ENV-NOT-2012-006.

1/20/12 1915 MGP

1/18/12 11:09 AM MGP

AY102 CNRAF failed the PM. Cause appears to be the magnets. The 90 day clock to repair will begin today, 1/18/12.

1/20/12 2000 MGP

1/20/12 1326 MGP

Notified by Central Shift Office (Phil Tredaway) All non-essential staff were sent home at noon on 1-18-12 and the site was closed on 1-19/20-12 due to inclement weather.

1/23/12 0918 MGP

242A K-1 system is operating but the K-2 system was shut down to evaluate the malfunctioning heater. Ops is evaluting further and will call with an update when available, 1-19-12

1/23/12 1150 MGP

AW Annulus vacuum pump alarmed.

1/23/12 2215 MGP

AN farm rounds MP-1-20-12 were not completed due to the minimum staffe available during the site closure.

1/29/12 1348 MGP

1/20/12 1815 MGP — 296-P-47 Portable 08 was found shutdown. There was a site closure so the cause will be further investigated when personell are available. Notification # TOC-ENV-NOT-2012-0007

1/20/12 2000 MGP — The Shift office called and reported that the POR104 leak detector was in alarm. This is believed to be from snow melt intrusion. Pre requisites were stopped until further evaluation is completed.

1/23/12 0818 MGP — 296-P-47 Portable 08 was found shutdown due to a low Seal Pot. Notification # TOC-ENV-NOT-2012-0008

1/23/12 1150 MGP — Email from Mike Hay indicating that last week the POR-08 seal pot transmitter froze. A work package was developed to replace the heat trace and added insulation. The 1/20/12 ~~effort~~ NF 1/23/12 shutdown was due to freezing rain and on 1/23/12 due to a transmitter issue. The transmitter is being tested.

1/23/12 2215 MGP — ANO6A Leak detection alarm. Drain was cleared and alarm reset at 2258 hrs.

1/24/12 1348 MGP — Notified by Annie Khabir that the 296-A-44 primary exhauster (AN-ATRAIN) will exceed its stack air flow calibration and aerosol test due to winter conditions. Base Ops has shut down AN-ATRAIN primary exhauster and switched to AN-BTRAIN at 1245 hrs until ATRAIN is calibrated.

1/25/12 0930 MGP — Notified by Shift Office that the following exhausters experienced unplanned shutdowns due to high winds / electrical issues at approximately 0430. AN-B train, AW-A train, 702 AZ A train, SY B train and POR 008. 702 AZ was returned to normal operation at 0448 hrs. Notification TOC-ENV-NOT-2012-0009 was sent at 0930.

1/26/12 NOTIFIED BY SHIFT THAT OPERATIONS WAS UNABLE TO COMPLETE 241 AN FARM ROUNDS ON 1/25/12 DUE TO BOTH PRIMARY EXHAUSTERS BEING INOPERABLE. — JSC

1/27/12 1008 NOTIFIED BY SHIFT THAT 241 AN PRIMARY EXHAUSTER 296-A-44 SHUTDOWN DUE TO A VFD FAILURE. CNS: TOC-ENV-NOT-2012-0010 — JSC

1/30/12 1424 NOTIFICATION FOR 296-A-44 SHUTDOWN SENT TO WDOH — JSC

1/30/12 1440 NOTIFIED BY 222 S LABS ~~OSC THAT~~ OF A 2 ML SPILL OF A BASE NEUTRAL SAMPLE SPILLED ON THE COUNTER TOP IN ROOM 4 H. SPILL WAS CONTAINED TO THE ROOM, NOTHING TO THE ENVIRONMENT. — JSC

1/31/12 1538 NOTIFIED BY TCRT THAT A "DECLARED OCCURRENCE Group 3, SUBGroup A(2), SC-2" MISSED JCO TEMPERATURE SURVEILLANCE FOR C-112. NO ENV IMPACT. — JSC

1/31/2012 Received turnover from Scott Conrad.
0823 hrs James T. Hamilton James T. Hamilton JTH

2/2/2012 Received notification from AN Day Shift Area
0918 hrs Manager, Nancy Forsman that Vent & Balance informed
JTH her of a failed annual aerosol challenge test
for POR-03 (296-P-48). JTH 2/02/2012 As Environmental On-Call
I was walking back to my office to confer with
the Environmental Notification and RPP-16922 procedures.
I asked Nancy Forsman to provide the numbers from
the aerosol test results. At which time she stated she
would call back shortly.

0924 hrs Received phone call from Nancy Forsman with
JTH the Vent & Balance test results for POR-03 (296-P-48).
Primary HEPA Filter results are .065
Secondary HEPA Filter results are .002
I instructed Nancy that I would call her back
shortly. Reviewed the Vent & Balance data sheets
for the procedure for aerosol testing POR-03 (296-P-48)
and the Radioactive Air Operating Permit for
POR-03 (296-P-48).

0932 hrs Placed phone call to Nancy Forsman to instruct
JTH her to secure operation of POR-03 (296-P-48) if she
had not done so already. POR-03 (296-P-48) is a
major stack and requires two HEPA filters in series
for required abatement equipment; since one filter did
not pass the aerosol test we were below our required
number of HEPA filters to continue operation.

0946 hrs Received notification that POR-03 (296-P-48)
JTH was secured from operation per AN Day Shift
Area Manager, Nancy Forsman.

This will result in a notification to WDOH.
TOC-ENV-NOT-2012-0011

08/04/2012 JTH 0252 hrs Received SOEN text ~~message~~ JTH 08/04/12 message that the primary exhauster for AW shutdown and the farm was now a VCZ having etered AOP-021.

0433 hrs JTH Received SOEN text message that the primary exhauster for AW was returned to service and IH and Radcon surveys were completed satisfactorily, exiting AOP-021.

0853 hrs JTH Placed phone call to Central Shift Manager to obtain additional details related to the unplanned shutdown of the AW Primary exhauster. Spoke with CSM, Brian Johnson. The AW Primary Exhauste that shutdown was B-Train (296-A-47). It shutdown at 0242 hours and was restarted at 0249 hrs. Brian noted that there was heavy fog in the area and Operations believes the exhauster train may have shutdown due to a momentary increase in differential pressures triggering the differential pressure interlock to activate and shutdown the exhauster train.

This will result in a notification to NDOH.
TOC-ENV-NOT-2012-0012

1325 hrs JTH Received notification from Central Shift Manager, Brian Johnson that during the performance of operational rounds an Operator discovered (1330 hrs) JTH 08/04/2012 the SY Annulus Exhauster shutdown (296-P-22). Operations believes this was due to the heavy fog experienced overnight and has elected to leave the annulus exhauste shutdown until weather conditions improve. This will result in a notification for an unplanned shutdown.
TFC-ENV-NOT-2012-0012

Additionally Brian informed the Environmental On-Call that SY-241-VTP-PDI-180 has stopped reading. All other readings for monitoring the health of the HEPA filters are normal and within range.

02/08/2012 Central Shift Manager notified just prior to
1235 hrs sending notifications to WDOH via phone call.
JTH TOC-ENV-NOT-2012-0011 sent to distribution 0923 hrs
TOC-ENV-NOT-2012-0012 sent to distribution 1159 hrs

02/08/2012 Notified via email from Dale Dyekman at 1042 hours
entry that AZ Team secured the AY101 Annulus exhauster
JTH (296-A-19) at 0925 hours due to excessive fan
bearing noise.

02/08/2012 Notified via phone call with John Guberski
1115 hrs that the SY Annulus was restarted at 1050 hours
JTH (296-P-22). In addition, Operations switched
operation of the SY Primary from B-Train
(296-P-23) to A-Train (296-S-25) at 1105 hours.

02/08/2012 Received notification from Central Shift Manager,
1235 hrs Brian Johnson that AP-105-LDT-151 had
JTH been in alarm and was currently reading 0.24 inches.
Brian relayed that the initial alarm according
1239 hrs to TMACS trending came in at 1239 hours on
02/07/2012. UT has been performing work in the
annular space of AP 105 and this work does introduce
small amounts of liquid into the annular space. UT
JTH 02/08/2012 ~~was not~~ is not currently performing work on swings
02/08/12 or graves, I did call back the CSM a few minutes
0705 hrs later to confirm that some how UT had not left
a pathway for continued water addition into the
annular space. Brian then informed me that
TMACS was trending the data and provided
the additional information written earlier in this
entry. I told Brian I would follow up with
Team EV JTH 02/08/12 ~~mg~~ management in the morning. The
other two annulus ENRAF leak detectors are not
in alarm and Tank Level is within a normal trending
range.

JH
02/08/2012

02/03/2012 ≈ 0730 hrs STH — Discussed notification received from Brian Johnson noted in entry dated 02/07/2012 @ 2325 hrs. with Operations Management Team for EV, Josh Alms, Matt Cuthers, Cary Martin, and Brian Von Bergen. Brian Johnson's notification to the Environmental On-Call last night may have been the first opportunity to do so. Team EV Rounds were performed earlier in the day and any conflicting work affecting the ENRAFs was already completed prior to the alarm coming in at TMACS at 1239 hours. TFC-WO-10-4054, "Install Breakers for Fire Panel," was performed which isolated power to the fire panel and all ENRAFs. Josh Alms provide during our meeting this morning that power was restored to these systems before lunch. I asked operations to locate the rounds from yesterday and provide the reading and time the rounds were performed for AP-105-LDT-151.

02/05/2012 0757 hrs STH — Notified by Operations Engineer Josh Alms that the leak detector for the 242-A Evaporator UST was in alarm and could not be reset by Operations. I instructed Josh to ask Operations at the evaporator to begin rodding the UST to take tank level measurements so we can begin tracking and trending to either confirm a false alarm associated with the leak detector or confirm a release of diesel from primary containment.

0824 hrs STH — Placed call to John Gaberski WRPS technical authority for USTs to confirm my read of the UST Regulations (WAC 173-360-360) concerning reporting requirements. Awaiting return phone call but at this time there are no immediate requirements to report to the state.

0917 hrs STH — Notified by Operations Engineer / Day Shift Manager for Team EV, Matt Cuthers that both AW annulus fans were secured from operation to perform co-located activities for CAM replacement. Fans secured @ 0915 hrs.

0958 hrs Notified by AN Day Shift Manager that both
02/08/2012 AN Annulus exhauster trains were secured from operation (02/07/12 @ 0915)
JTH to perform corrective maintenance. Maintenance was to
include investigation into ~~the~~ JTH 02/08/12 a tripped breaker for one
train and investigate functional problems with the dampers
for the other train. Both trains are anticipated to be
down until the 21st of February. In addition Rick
Anderson the Day Shift Area Manager informed the on-call
that POR-08 exhauster was restarted at 0930 hrs today.

002 hrs ~~Received~~ JTH 02/08/12 Missed phone call from Lew Walker, Evaporator
JTH Shift Manager. Placed phone call at 1003 hrs to
Lew Walker. Lew informed ~~the~~ on-call that Vessel Vent
was restarted at 0928 ~~hours~~ JTH 02/08/12 hours. In addition at
0941 hours the UST Leak Detector alarm was cleared
after the TraceTek Leak Detection was reset. Both
Lew and I had observed earlier in the morning that
the indicators on the TraceTek system were powered but
not in ~~the~~ JTH 02/08/12 alarm. The panel alarm for the
UST system was activated with strobe. Once the
electricians opened the panel and hit the reset
on the TraceTek did the main panel alarm
indicating a leak clear. The system was retested
for alarm activation and was cleared successfully
with no issues. Operations is working with Maintenance
to pull forward our corrective maintenance packages
for the UST.

1102 hrs Completed turnover with Ruth Allen and turning
JTH over on-call responsibilities.
James T. Hamilton [signature]

2/8/2012 FOLLOW-UP TO AN ENTRY MADE BY JAMES HAMILTON
1231 HRS ON 2/8/2012 @ 0757 HRS REGARDING THE LEAK
RMA DETECTOR ALARM FOR THE 242-A EVAPORATOR UST.
TWO CONSECUTIVE TANK LEVEL MEASUREMENTS WERE
COLLECTED THIS MORNING WITH BOTH READINGS
RIGHT AT 40 INCHES.

2/9/2012	NOTIFIED BY JAMES HAMILTON THAT DIESEL
1502 HRS	FUEL LEVEL MEASUREMENTS WERE TAKEN
RMA	IN THE 742-A EVAPORATOR UST. BOTH
	CONSECUTIVE MEASUREMENTS WERE AT 40
	INCHES WHICH INDICATES THAT THERE HAD
	BEEN NO INCREASE IN THE TANK LEVEL
	SINCE THE MORNING OF 2/8/2012.
2/9/2012	NOTIFIED BY JAMES HAMILTON THAT OPERATIONS
1310 HRS	SWITCHED THE OPERATION OF THE AW
RMA	PRIMARY VENTILATION SYSTEM FROM A TRAIN
	(296-A-46) TO B TRAIN (296-A-47) @ 1310 HRS.
2/9/2012	NOTIFIED BY THE AREA DAYSHIFT MANAGER
1350 HRS	FOR TEAM AN (RICK ANDERSON) THAT THE
RMA	A TRAIN FOR THE AN ANNULUS EXHAUSTER
	RMA ~~(296-A-46)~~ (296-A-30) WAS RESTARTED AT
	1350 HRS. BOTH AN ANNULUS EXHAUSTER
	TRAINS WERE SECURED ON 2/8/2012 FOR
	CORRECTIVE MAINTENANCE.
2/9/2012	OPERATIONS ATTEMPTED TO SWITCH FROM A
1435 HRS	TRAIN TO B TRAIN OF THE SY PRIMARY
RMA	EXHAUSTER SYSTEM TO FACILITATE
	ADDITIONAL REPAIRS TO THE A TRAIN HEATER.
	DURING THE SWITCHOVER, A TRAIN WAS
	SECURED AND OPERATORS ATTEMPTED TO
	STARTUP B TRAIN. WHEN B TRAIN FAILED
	TO STARTUP AS PLANNED, A TRAIN WAS
	QUICKLY RESTARTED, BUT SHUTDOWN
	UNEXPECTEDLY AT 1035 HRS. THIS CAUSED
	THE TANK PRESSURIZATION ALARM TO
	INDICATE, AND WORKERS WERE FORCED TO
	EXIT THE FARM.
	FOLLOWUP: NOTIFIED BY JOHN GUBERSKI
	THAT B TRAIN WAS RESTARTED AT
	1425 HRS. IH AND RADCON SWEEPS OF

	THE 3Y FARM WERE COMPLETED SATISFACTORILY. THE VCT WAS DEMOBILIZED AND AOP-21 WAS EXITED. SEE NOTIFICATION TOC-ENV-NOT-2012-0013.
2/9/2012 0609 HRS EMA	NOTIFIED BY THE AREA DAYSHIFT MANAGER FOR TEAM AN (NICK ANDERSON) THAT THAT FLOW THROUGH THE CAM FOR THE AN ANNULUS EXHAUSTER (Z96-A-30) IS 1.43 CFM WHICH IS BELOW THE MINIMUM FLOW RATE OF 1.8 CFM. SINCE USE OF A CAM IS NOT REQUIRED FOR THE ANNULUS EXHAUSTER, THE SYSTEM CAN CONTINUE TO OPERATE.
2/10/2012 0817 HRS EMA	NOTIFIED @ 0817 HRS BY THE AREA DAYSHIFT MGR FOR TEAM EV (MATTHEW CUTTLERS) THAT DURING A FUNCTIONALITY CHECK OF THE CAM FOR THE AN PRIMARY EXHAUSTER Z96-A-40 (A TRAIN), THE CAM FAILED CALIBRATION TESTING @ APPROX. 0700 HRS ON 2/9/2012. IT WAS DETERMINED THAT THE DETECTOR HEAD WILL NEED TO BE REPLACED. IF THE PART IS AVAILABLE, IT CAN BE REPLACED AS EARLY AS 2/13/2012. NOTE THAT THE A TRAIN WAS NOT IN OPERATION WHEN THE PROBLEM W/ THE CAM WAS DISCOVERED.
2/10/2012 0915 HRS EMA	NOTIFIED @ 0915 HRS BY THE AREA DAYSHIFT MGR FOR TEAM EV (MATTHEW CUTTLERS) THAT THE AP ANNULUS EXHAUSTER Z96-A-41 (A TRAIN) WAS RESTARTED @ 0853 HRS.
2/10/2012 1325 HRS EMA	NOTIFIED BY JAMES HAMILTON THAT EMRAF AP 105-LDI-12069-01 CONTINUES TO FLUCTUATE IN AND OUT OF HIGH ALARM RANGE (SEE LOGBOOK ENTRY ON 2/7/2012 @ 2325 HRS). IT FIRST ALARMED TODAY @ 0921 HRS W/ A READING OF 0.25 INCHES. ALTHOUGH PROSECTS HAD BEEN PERFORMING ULTRASONIC TESTING OUT IN THE ANNULAR SPACE OF TANK A-105 EARLIER

	IN THE WEEK. WORK WAS NOT ONGOING AT THE TIME OF THE ALARM. RESTART OF THE AF ANNULUS EXHAUSTER TODAY MAY ELIMINATE THE PROBLEM; HOWEVER OPERATIONS WILL CONTINUE TO MONITOR THE TREND.
2/10/2012 1325 HRS RMA	NOTIFIED BY JAMES HAMILTON THAT DIESEL FUEL LEVEL MEASUREMENTS WERE TAKEN AGAIN THIS MORNING IN THE 242-A EVAPORATOR UST. SINCE THE TANK LEVEL CONTINUES TO MAINTAIN @ 90 INCHES, OPERATIONS WILL NO LONGER COLLECT DAILY MEASUREMENTS - THERE IS NO INDICATION THAT THE TANK IS LEAKING.
2/12/2012 0942 HRS RMA	NOTIFIED BY CENTRAL SHIFT MGR, DALE HARRISON, THAT THE B TRAIN OF THE AN PRIMARY EXHAUSTER (Z296-A-45) WAS SECURED @ 0936 HRS TO PERFORM CALIBRATION OF THE DIFFERENTIAL PRESSURE INDICATING TRANSMITTERS. THE EXHAUSTER WAS RESTARTED @ 1051 HRS.
2/13/2012 0943 HRS RMA	NOTIFIED BY THE AREA DAYSHIFT MGR. FOR TEAM A1 (RICK ANDELSON) AT 0943 HRS THAT THE A TRAIN OF THE AN ANNULUS EXHAUSTER (Z296-A-30) WAS SECURED AT 0940 HRS FOR CORRECTIVE MAINTENANCE TO REPLACE THE HEATERS AND UPGRADE THE CAM VACUUM PUMP WIRING. WORK IS NOT EXPECTED TO BE COMPLETED UNTIL 3/15/2012. BECAUSE AEROSOL AND STACK AIR FLOW TEST CALIBRATIONS ARE DUE BY 2/23/2012, AN OPERATIONAL NOTIFICATION WILL BE SUBMITTED TO DOH. SEE TOC-ENV-NOT-2012-0015.
2/13/2012 1912 HRS RMA	NOTIFIED BY JAMES HAMILTON & MARK GARRETT (TEAM EV AREA DAYSHIFT MGR) THAT UT WORK

	HAS RESUMED IN THE ANNULAR SPACE OF TANK AP-105 CAUSING AP-105-LDT-151 TO ALARM. BECAUSE WE KNOW THAT WATER USED TO PERFORM THE ULTRASONIC TESTING IS THE CAUSE FOR THE LEAK DETECTOR ALARMS, TEAM EV HAS DECIDED NOT TO NOTIFY THE ENVIRONMENTAL ON-CALL EVERY TIME THE ALARM IS ACTIVATED; BUT RATHER WILL NOTIFY ENVIRONMENTAL WHEN THE UT WORK HAS BEEN COMPLETED IN AP-105. THE WORK IS EXPECTED TO CONTINUE UNTIL THE END OF FEB 2012.
2/14/2012 0747 HRS RMA	NOTIFIED BY CHUCK MULKEY THAT ON 2/13/2012 @ APPROX. 1100 HRS, WORKERS PERFORMING A VIDEO SURVEILLANCE OF RISER #2 ON TANK C-102 DISCOVERED WHAT APPEARS TO BE A BREACH IN THE RISER APPROX. 10 FT BELOW GROUND LEVEL. WHEN THE BREACH OCCURRED IS UNKNOWN. THE TANK HAS BEEN INACTIVE SINCE 1978. WHAT IS KNOWN IS THAT THE BREACH IS ALIGNED W/ AN ELBOW FROM A RISER PENETRATION THAT HAS CORRODED OR ERODED. AN INVESTIGATION HAS BEEN INITIATED.
2/14/2012 1446 HRS RMA	NOTIFIED BY JAMES HAMILTON THAT THAT DETECTOR HEAD FOR THE AW PRIMARY EXHAUSTER (296-A-46) CAM WAS REPLACED & A FUNCTIONAL TEST WAS SUCCESSFULLY PERFORMED @ APPROX 1300 HRS. THE CAM WAS PLACED BACK INTO SERVICE.
2/15/2012 1020 HRS RMA	NOTIFIED BY JAMES HAMILTON OF AN UNPLANNED SHUTDOWN AT 1005 HRS OF THE 242-A EVAPORATOR VESSEL VENT EXHAUSTER (296-A-22) DUE TO UPGRADES TO THE MONITORING AND CONTROL SYSTEM SOFTWARE. THE EXHAUSTER WAS RESTARTED AT 1033 HRS. SEE TOC-ENV-NOT-2012-0014

2/15/2012 1027 HRS RMA	NOTIFIED BY JAMES HAMILTON OF ~~AN UN~~ RMA ~~PLANNED SHUTDOWN~~ A POTABLE WATER LEAK DISCOVERED AT 0630 HRS IN AN AREA WEST OF AW FARM. APPARENTLY, A 6-INCH PVC LINE WAS DISCHARGING APPROX 5-10 GPM. MSA WILL ISOLATE AND REPAIR THE LINE. THE ISOLATION IS AFFECTING FACILITIES EAST OF PUREX AND SOUTH OF THE EVAPORATOR. NO FIRE HYDRANTS WILL BE AFFECTED.	2/16/12 [illegible] RSF 2/20/12 0855hrs RSF
2/15/2012 1439 HRS RMA	TRANSFERRED ON-CALL RESPONSIBILITIES TO RANDALL FOX.	
1439hrs RSF	Recieved on-call duties + turnover from Ruth Allen Randal E. Fox [signature]	2/20/12 1707hrs RSF
1550hrs RSF	Notified by EV Dayshift Manager that the Annulus Leak Dector in AP105 Alarmed twice today. First at 1018hrs (AP105-LDI-R069) and second at 1347hrs (AP105-LDI-R071). They are performing UT testing in the AP105 annulus right now which uses water + causes the leak detector alarm. No notification is needed at this time.	
2/16/2012 0833hrs RSF	Notified by EV Dayshift Manager that the alarms from 2/15/2012 on AP105 have cleared as of 0831hrs. They expect another alarm of AP105 annulus ENRAF during UT testing today.	2/21/12 [illegible] RSF 2/21/12 0945 RSF
2/16/2012 0858 RSF	Notified by EV Dayshift Manager that AP105 annulus ENRAP AP105-LDI-R069 is in alarm at 0856hrs due to UT testing. No notification needed.	
	RSF 2/16/2012	2/21/12 1300hrs RSF Late Entry

2/16/12 1635hrs JLF — Notified by Rick Anderson, Central Shift Manager, that the AY/AZ Primary Exhauster shutdown at 1615 hrs and was restarted at 1630 hrs. They checked the alarms and found no apparent cause of the shutdown. There was no evidence of a release as a result of this unplanned shutdown. This will be reported to the WDOH. Notification No. TOC-ENV-NOT-2012-0016.

2/20/12 0850hrs JLF — Notified by Dale, Central Shift Office, that the generator supplying power to a monitoring station near TX/TY shutdown & will not restart. They said that they will not get it repaired or replaced until tomorrow.

2/20/12 1707hrs JLF — Notified by Rakesh, Central Shift Office, that the 242-A Vessel Vent Exhauster alpha CAM calibration is past due. The calibration was due on February 16th. The exhauster is still running. The beta-gamma CAM is still operational. This is a minor stack since no evaporator campaign is ongoing and no notification to outside agencies is required.

2/21/12 0900hrs JLF — Informed the Central Shift Office that notification TOC-ENV-NOT-2012-0016 would be sent in.

2/21/12 0945 JLF — Operational Activities Notification will be sent in by Retrieval Field Rep. Randal Fox to report that on 2/17/12, one million gallons of supernate from AN-101 has been used for C-112 retrieval. Notification is required by the C-112 Tank Waste Retrieval Work Plan RPP-22393 rev 6 section 3.2 pg 3-16. Notification No. TOC-ENV-NOT-2012-0017.

2/21/12 1300hrs JLF Late Entry — Notified by ST Team enviromental rep that the generator powering the monitoring station at TY/TX that failed on 2/20/2012 leaked oil (<1 pint) to the soil. Operations is removing the soil and will dispose of appropriately. (See spill log)

2/22/2012 0630hrs JSJ — Notified by Dale, Central Shift Office, that at 0440hrs several exhausters experienced unplanned shutdowns. They were AN-VTP B-train (296-A-45), AW-VTP A-train (296-A-46), AOZAZ-VTP (296-A-42), SY-VTP B-train (296-P-23), and portable exhauster POR-005 (296-P-47). The unplanned shutdowns are related to the high winds (>30mph) and related electrical issues. The primary exhausters were attempted to be restarted but it was unsuccessful. They are troubleshooting. There is no indication of a release. These shutdowns are reportable to the WDOH. Notification No: TOC-ENV-NOT-2012-0018. Notification sent at 0730 hrs. — 2/23/12 1045 jaw; 2/23/12 1504 jaw; 2/24/12 1400 jaw

2/22/12 0930 jaw — Received turnover from Landal Jaw

1045 jaw — Advised by AN Area Day Shift manager (R Anderson) that AN-B Primary exhaustor has been returned to operation. — 2/24/12 1357 jaw

1440 jaw — Advised by AN Area Day Shift manager (R. Anderson) that POR-08 has been returned to service.

1551 jaw — Received a request by EV team for continued operation of AW-A primary exhaustor past the HEPA filter test date due to problems with AW-B variable frequency drive. Discussed the status with John Schmidt in his office. John agreed to the extension and requested a follow up email. — 2/24/12 1600 jaw

2/23/12 0351 jaw — Follow up e-mail sent to John Schmidt requesting delayed testing of AW-A HEPA filters. (Approved via email - J Schmidt @ 0719 hrs) — 2/27/12 0956 jaw

2/23/12
1045
JAW

Received word from Area Manager EV Team, that AW-A HEPA tests have been completed. Filters passed. Notified J. Schmidt - WDOH.

2/23/12
1504
JAW

Received word from Central Shift Manager that Rad Con found 2 specs of contamination along the C farm fence line at the NE corner.
one speck 30K dpm β/γ no alpha
second speck 400K dpm β/γ no alpha
Both specs picked up & disposed.

2/24/12
1200 JAW
~~1200~~
JAW

Environmental Representative (Suberski) reported that SY-A train was brought back up line with a repaired heater at 1035 hours. Air temp was now running at +18°F after the heater. Record sampler operations has been confirmed

2/24/12
1339
JAW

Central Shift Office and Ron Tucker reported that during the investigative survey for draining SN-264, liquid was observed in the bottom of AN-04A pit with a reading of approx. 500 mrem near the surface (and pump). Evaluation and assessment ongoing.

2/26/12
1600
JAW

Central Shift Manager (Rakesh Malhan) reported that 702-A2 Aerosol test was completed on 2-25 for A-train at approx 11⁰⁰. System was then shutdown and switched to B-train. IH + Rad Con sweeps of farm complete, no contamination. Not reportable shutdown.

2/27/12
0956
JAW

SOEN advised that there was an unplanned shutdown of AN primary exhauster. I called AN Day Shift manager to inquire. Rick Anderson advised that the engineer inadvertantly shut

(continued)

2/27/12 JAW — off the exhauster but immediately restarted the exhauster. The AN farm did not lose negative pressure, no alarms. Not reported.

3/5/12 2210hrs DPD

1006 2/27/12 JAW — ~~702 AZ, B fan, A filter train shutdown while preparing for maintenance. Apparent cause was control system for B fan. Switched to A fan and restarted exhauster~~ JAW 2/28/12

~~Notification TOC-ENV-NOT-2012-0019~~ Cancelled

3/6/12 0928hrs DPD

0745 2/28/12 — Correction on entry of 2/27/12 1006 During a planned corrective maintenance activity to repair the B fan 702-AZ, exhaust was switched from B fan to A fan. The A fan did not immediately start up due to control system settings being in manual mode vs Auto mode. A fan control settings were changed to Auto mode and the A train started. No notification required for a planned transfer of exhauster operations from B train to A train fans. Radiological sweeps of the farm showed no release. Work package for replacement of B fan motor has been released and will begin. Corrections to log entry confirmed with Area Day Shift Manager (Kelly Smith) and Central Shift Manager (Phil Treadway)

1340hrs DD

3/4/12 1528hrs LP — Central shift office called to inform the 296-A-45 stack AN form primary vent "B" train record sample system flow rate is greater than normal 1.2 cfm flow. This is expected as the stack flow is increased to accomodate AN06 pit work in preparation for a pump replacement and the stack has an automatic iso-kinetic flow system.

3/5/12 2210hrs DPD — Central shift office called to report all 4 AN101 ENRAFs had stopped reporting to TMACS. A manual tape level was planned to be collected on AN101. Retrieval operations transferring waste into AN101 were shutdown manually through normal operating procedures.

3/6/12 0928hrs DPD — Central shift manager called in results of AN101 ENRAF trouble shoot activities. The conclusion is the ENRAF communications with TMACS failed on 3/5/12 but the level measurements were functioning normally.

1340hrs DD — AN team day shift supervisor called to report all AN101 ENRAFs are fully functional and reporting remotely to TMACS.

3/7/2012

1040 - Informed by C Mulkey POR-107 CAM 005 for 2 hour for CAM checks while exhausters Operating Cause not known. Exhausters secured. Time CAM down 0930-1030. Exhausted restart planned. JDP

3/9/2012 1000 — Informed by D. STRASSER A7 team of loss of electrical power in 200 East & 200 West affecting multiple exhausters. Env on call will report to shift office after meeting with WDOH ends.

1150 — 242-A Evap exhausters not affected by power loss. Lost 296-A-45 (AN), A-42, A-43 (AZ), A-20 (AZ), AY-102 (AY-101 005), A 40, A 41 (AP), A-46, A 28 (AW), 296-S-25 (SX), P-22, P-47 & C-107 - Retrieval Actives also down.

1600 Exhausters restarted JDP

3/10/2012 1018 hours

101-AN chemistry results show pH of 12.8, which is below OSD-7 limit. Actions to restore pH started. JDF

Also AY-102 leak detect 152 for Annulus has failed. Placed on 90-day clock. Other 2 leak detectors operable And no change in tank level. Both items from Central Shift Mgr. JDF

3/12/2012

0550 Informed by AN Area Day shift mgr (R. Mayhra) that Rounds show POR-008 pre-filter above rounds reading of 1.3 in wg ΔP. HEPA's at 1.65 in wg overall 0.65 in wg ΔP 1st HEPA 0.52 in wg ΔP across 2nd HEPA. Plan by Retrieval is to run while preparing to replace filter.

1015 Shift office told of pending notification.

1028 – WDOH notified of 3/9/12 multiple unplanned shutdowns WAPS-TOC-ENV-NOT-2012-0022. JDF

Late entry 1014 Informed by Andy Hobb of discovered JDF paint spill contained within carton located in 218A warehouse.

1138 Based on RPP-11413 limit of 1.5 in wg JDF ΔP for pre-filter and that pre-filter is Abatement control technology directed Retrieval (Ken Andersen) to shut down 296-P-47 exhauster POR-008. Consulted with Env mgr (J Voogd) prior to direction. 3/

~~Date~~ JDF 3/12/12 1157 Paint for 1011 entry is Amerlock 2/400 White Resin. Spill is on bottom of

3/12/12 1157 (Cont) And most of material appears to be recoverable as product (still in can). The ≈ < 1 cup on outside of can and in box to be disposed as waste. Clean up in progress. JDG

~~Nood~~ Box 3/12/12 NOON - P-47 exhauster additional information. Retrieval secured P-47 at 0932 hours with plan to restart based on Eng recommendation to shutdown, wait & restart, as in past ΔP has dropped with this sequence of activities. Env ON-call was made aware of this plan and concurred with approach while Env investigated if operating with ΔP above rounds range for pre-filter met limits of FF-01 license and air permit. JDG

1420 AP-105 annulus leak dector 153 in alarm; UT testing in progress per EV Team Area Day Shift Mgr. (M Cuttlers). No other leak detectors in alarm & no change in tank level. JDG

1558 Informed by A. Khabir that an Operational Activity notification to WDOH is planned to change repair date for AN annulus exhauster heaters to late April from Mid March. JDG

3/13/12 - 0811 Informed by ST Area Day shift Mgr JDG that 296-~~P~~ S-25 SY A train heaters were not restored to service when exhauster was restarted after 3/9/12 power outage. Plan is to confirm heaters work prior to shift to (cont

3/13/12 - 0811 (cont) ~~before~~ 3/13/2 JDS B-train.

0901 Team EV Area Day shift Mgr (M Garret) reports that exhauster trains will be shifted to support Vent & Balance testing of HEPA filters JDS

1553 Informed by D. Dyehman of Ecy Operational Activity notification for AY/AZ maintenance outage that remove tank level instrument for > 24-hours. JDS

3/14/12 11:42 An annulus exhauster extending the upgrades of vacuum ~~truck~~ pump wiring and annulus heater until 4/2/12 Operational notification 2012-0015 Rev 1 additionally aesolo stack flow test will not be completed until exhauster are fully operational.

3/14/12 1830 Mark Garret Reported that all three anulus detectors in AP-105 went into alarm. Hydrotesting has been occurring for the last month and water is added to the anulus. Sensor alarms during this period are expected. There has bee no change in primary tank level. The anulus detectors will continue to be monitored to ensure there are no leaks

3/~~15~~ 14 12 9:30 PM Dale called to report that AZ-102 recirculation Buildings leak detector went into alarm (2:30). The alarm is thought to be caused by condensation. No signs of an actual leak.

3/15/12 [illegible]

3/16/12 [illegible]

3/17/12 14:37

3/18/12 15:24

3/18/12 16:13

3/18/12 ~~[illegible]~~ 22:25

3/19/12 1400

3/15/12 1445 dhm — Email From Gaberski stating that Aerosol test on AP-A Train temperature had not increased as expected. Investigation identified a blown fuse in heater circuit. Fuse was replaced and heater was checked for operation. Non-reportable since it occurred during startup

3/16/12 2130 dhm — Notified by Rakesh that POR-08 was secured about 1730. This was a planned shutdown and is not reportable

3/17/12 14:37 dhm — 242-A Evaporator Building Exhaust CAM was found to be out of range. Record Sampler was in Range. There was no waste in the evaporator

3/18/12 15:24 dhm — Shift Office Called to Report that An B Train CAM was reading high Record Sampler was Functioning within Limits

3/18/12 16:13 dhm — Shift Office called to report that POR-007 went down at 13:16 on 3/15/12. Probably went down as part of the planned ~~waste~~ electrical shutdown of C Farm See Below

3/18/12 ~~2700~~ 22:25 dhm — Shift Office Called To report that POR-008 was restarted

3/19/12 1400 dhm — Upon further investigation, it was determined That the shutdown of POR-107 listed above for 3/16/12 @ 16:13 was reportable. The exhaust shut down prior To the electrical outage. Notification TFC-ENV-NOT-2012-024 The shutdown was

Cont. For High Vacuum at Tank C-107.
The Transmitter For PDT-107 had no
3/19/12 power when the alarm was noticed.
but the shutdown occurred prior
To the electrical outage

3/19/12 Received an email From Dale Dykhuis
14:10 regarding verification of a
Leak or Nozzle "M" in 241-AP
Valve pit. No notification
had been previously reported.
The Nozzle was apparently observed
Leaking into secondary Containment
on 3/18/12

3/19/12 Received word That The ENRAF
15:40 reading for C-109 was missed
on 3/17/12 due to The C Farm
electrical outage. Also Olander
had informed Ecology previously
that this may occur.
Courtesy notification Toc-Env-Not-
2012-0025.

3/20/12 Received some message stating That
0905 AW Farm had Lost Ventilation.
Further investigation shows that The
unplanned shutdown was caused when
the Variable Frequency drive was being
replaced and the interlock between the
Trains caused A Train To shut down
The Train was restarted at 12:20
Environmental notification
Toc-Env-Not-2012-0026

3/21/12 0913 MP

3/21/12 0914 MP

0945

3/22/12 0930 MP

3/22/12 1018 MP

3/22/12 0923 MP

3/21/12 0913 MP Received a call from the Central Shift office for the unplanned shutdown of the AW A train primary exhauster. This occured during planned maintenance of the variable flow drive (VFD) for B train and set off the interlock. The exhauster was brought back on-line at 0948. The shutdown resulted in notification # TOC-ENV-NOT-2012-0027.

3/21/12 0914 MP 2225 Drill msg
Fire in room 4TUV, evacuated lab. & performed accountability per SOEN msg 2225 - Drill msg
0945 Fire Dept on scene and responding to fire. 1 person with contamination. Simulated notifications and implentation of the RCRA contingency plan.
2225 Drill msg

3/22/12 0930 MP Received a call from Ryan Maygrave, Shift Office for the unplanned shutdown of PCR-107 @ 0013. This resulted from a sample vacuum pump failure. The shutdown resulted in a notification # TOC-ENV-NOT-2012-0029

3/22/12 1018 MP Received a call from Sam Walker, 242-A steam. Prerequisites for the planned electrical outage have been completed, securing the vessel vent system.

3/22/12 1223 MP Received a call from the EV Area Manager stating the AW primary exhauster was switched from A train to B train.

3/23/12 1436 MP — Received a call from Ryan Maggra Central Shift Office informing that a recent inspection resulted in the identification of intrusion into the C-200 tanks. The C-200 tanks water level increased approximately 20 inches. Informed Jeff Voogd & Steve Killoy of the information and requested a copy of the data sheet from the Shift Office once it has been reviewed. (Cont) MP

3/23/12 1655 MP — Received a call from the Shift Office that the K1 & K2 systems have been secured for the 242-A electrical outage. The electrical outage should last approx 3 weeks.

3/24/12 1239 MP — Received a call from the Shift Office that the AN 106 Annulus Leak Detector was outside the administrative operating range. The administrative control range is 0.11 – 0.19, the operator recorded 0.2. The other leak detectors were within the specified range.

3/27/12 MP — Operational notification sent to Ecology & DOE-ORP updating them on the C-112 retrieval informing them that 2 million gallons of supernate had been used in accordance with the TWRWP RPP-22393. Notification # TOC-ENV-NOT-2012-0028

3/27/12 1250 MP — Received a call from Shift Office that the AN primary exhauster B train flow control valve was outside operating limits @ 4 CFM

(cont) The flow control valve would normally operate at 2CFM. The system was shifted to a train until trouble shooting on the valve was completed and repairs made. This resulted in the record sampler receiving an increased sample volume. Notification # TOC-ENV-NOT-2012-0030

3/28/12 0930 NOTIFIED BY SHIFT THAT POR 107 (296-P-107) SHUTDOWN AT 0648 DUE TO A HIGH VACUUM INTERLOCK. NOTIFICATION TOC-ENV-NOT-2012-0031

1336 POR 107 RE STARTED

3/29/12 0730 - SENT POR 107 EXHAUSTER SHUTDOWN NOTIFICATION TOC-ENV-NOT-2012-0031 TO WDOH.

4/3/12 1600 INFORMATION BELOW PROVIDED BY FIELD REP. DALE DYKEMAN.

- ELEVEN (11) AY 101, 102, A2101, AND A2102 ANNULUS ENRAFS WERE DISCOVERED NOT REPORTING TO TMACS
- FIELD INVESTIGATION REVEALED THE ANNULUS ENRAFS AND HOLDERS ARE FULLY FUNCTIONAL AND REPORTING LOCALLY
- ALL AY101, AY102, A201, AND A2102 PRIMARY TANK LEVEL ENRAFS ARE FUNCTIONING AND REPORTING TO TMACS

THIS IS INFORMATION ONLY, NOT REPORTABLE

4/4/12 1045 *LATE ENTRY FOR 3/29/12
DURING A WALKDOWN OF C-FARM, A DOE FAC REP NOTED A LEAKING DRIP PAN UNDER A DIESEL POWERED LIGHT PLANT NEAR C-412. DOE FAC REP NOTED THAT DRIP PAN HAD OVERFLOWED ONTO THE SOIL. AN OILY SHEEN WAS SEEN ON THE WATER IN THE DRIP PAN. OE PAUL RAMON WAS NOTIFIED AND WORK PACKAGE TFC-WO-12-2387 WAS GENERATED TO CLEAN SOIL UP. NOT REPORTABLE.

04/01/2012 1330 hrs — Received turnover from Scott Conrad as the on-coming Environmental On-Call.
James T. Hamilton
JTH

1423 hrs late entry JTH — On 04/03/2012 @1448 hrs received phone call from Josh Alms that informed the Environmental Field Representative that the card associated with the Flow Control Valve in AOU B-Train exhauster had failed and the previous Flow Control Valves were more than likely functioning properly. Expected work completion date to replace the card in the PLC is 04/30/2012. At the time of receiving this call I was out of work due to illness and that is the reason for this late entry.

1434 hrs JTH — Informed by Matt Cuttler that the AP-105 Annulus ENRAFs have returned to their normal operating ranges on March 31, 2012. All future readings which are abnormal will be responded to as if they are real. UT of AP-105 was completed therefore no water is being added as required to perform UT activities.

1/5/2012 Received phone call from Brandon McFerran
1446 hrs Team A7 that due to the installation of a lock
JTH out, tag out to electrically isolate a feed into
TSX-1 at 242-A the leak detector for 204-AR-TK-01
is in alarm. This is due to the fact that it has
lost communication to 242-A which has a "General Alarm"
for the 204-AR Facility. When the signal connection
was lost the alarm activates. Visited with Brandon
McFerran and Willis Taylor at which point they had
already sent Operators to confirm there were no leaks
to secondary containment for Tank 1 in 204-AR and
the tank level remained the same as the previously
obtained daily reading. No additional notifications
required at this time as Operations already
obtains a daily required reading for tank level.

1/5/2012
1500 hrs Notified by Eric Hudspeth, Team EV Maintenance
JTH Manager that the Instrument Technicians had
repaired the problem with the control card for
the record sampler flow control valve for AW
B-Train Primary (296-A-47). It turns out that
there was a fault to ground as a result of
a loose wiring connection.

1/6/2012
0537 hrs Notified by John Guberski that SY A-Train
JTH CAM is going to be functionally tested and
this could/would cause the exhauster to shutdown.
This is a planned evolution. Return to normal
operation for the CAM and exhauster is expected
by close of business today. No notifications to outside
agencies at this time.

1214 hrs Notified by Dale Harrison that during the
JTH work to support a PRV changeout in AP-06A
valve pit that approximately 5-10 gallons of
liquid, suspected to be flush water, was released
to the pit. Notified Environmental Field Representative
Rhie Khabir so she could attend a fact finding/

44

01/06/2012 cont'd 1244 hrs — recent planning meeting at 1300 hrs. Dale Harrison the CSM provided Rick Anderson's contact information to arrange a meeting.

F 1440 hrs JTH late entry — Follow up phone call from Annie Khabir concerning the release of liquid into AN-06A pit. Release occurred entirely inside the pit. The reasoning behind the decision that the liquid was just flush water was that there was not an elevated increase in rad readings the liquid is clear and does not have color which may have been used to suggest something other than flush water. Both Annie and Scott Conrad who attended the meeting did not believe there is a need to make any notifications at this time. This was also seconded when discussed with John Guberski during the meeting in which the phone call was received. No notifications are necessary at this time

04/09/2012 1515 hrs JTH — Received phone call from Matt Cuttlers, acting Area Day Shift Manager for Team EV informing the on-call that the operating train for the AW Primary Exhauster was being switched from A-Train to B-Train.

04/10/2012 1043 hrs JTH — Received phone call from Willis Taylor, acting Area Day Shift Manager for Team AZ informing the on-call that he had received initial indications that the AZ 101 Inlet HEPA Filter did not pass its aerosol test CAE101-K1-4-D. Willis was awaiting the work package to provide additional details. This filter communicates with the primary headspace of the tank.

1305 hrs JTH — Discussed the failed HEPA challenge test for AZ 101 Inlet HEPA Filter with Jeff Voogd and John Guberski after having reviewed the notification