As - Assignment Report 1 11 ...

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AR 00912827 Report								
Aff Fac:	Oyster Creek	AR Type:	CR	Status:	APPROVED			
Aff Unit:	01	Owed To:	A5332CAP	Due Date:	06/30/2009			
Aff System:	<del>.</del> -			Event Date:	04/26/2009			
CR Level/Class:	3/D			Disc Date:	04/27/2009			
How Discovered:	H03C			Orig Date:	04/28/2009			
WR/PIMS AR:		Component	#:		. *			
Action Reques	st Details				······································			
Subject:	NOS ID: TRITI	JM LOGKEEPING	NOT CONSISTENT W	/ITH PROCEDURE				
The second states we descrive such as the	en per anno contra esta an esta an esta contra da de c	enabelite de actives fectors, de l'electriques de l'or	CAT THERATE RIVING SITE OF STREET, SATURDAN STREET, SATURDAN	77 ASABTSKARUS (19 2000.00)				
Description:	Originator: DAV Kandasamy	/ID PEIFFER Sup	v Contacted: Bob Art	z, Jhansi				
	Condition Desc NOS followed u main condener Chemists are d tritium analysis activity (MDA)	ription: p on a false posi discharge that w eviating from exp do not accurate levels.	tive tritium analysis o as reported over the pected logkeeping sta ly indicate the minim	on a sample from the weekend and found t andards. Records of th um detectable	hat ne			
· ·	The tritium log was reviewed and deficiencies were noted in the data records. Sample times were not recorded as required by the procedure. The log sheet had information written into the margin at the bottom of the page that indicated three different MDA levels, depending upon the sample count time. The chemist was recording only < in the results column, where the activity level should be recorded. When asked which MDA applied to which samples, the chemist explained that it depended upon the length of time the sample was counted. NOS pointed out that the count time is not recorded on the log and it is impossible to discern which MDA applies to each sample. The technician then recorded < (50 min) in the column where uCi/mL should be recorded. Inaccurate logkeeping could cause inaccurate reports to regulators.							
	The chemist pointed out that the false positive occurred because the sample was filtered and not distilled and counted for only 10 minutes to obtain a quick indication of the tritium level. Environmental samples require a 50 minute count time to achieve the required MDA level. The chemist indicated that the sample may have had bioluminescence, which has caused false positive results in other samples in the past. When asked how to avoid this interference, he stated that the sample can be distilled to avoid bioluminescence interference. He said that filtering was faster and the main condenser discharge sample was not distilled to save time. When the positive tritium result was found, then the chemist distilled the sample and re-analyzed and no tritium was present. It was noted that the samples being analyzed on the day after the false positive were distilled and all indicated less than minimum detectable levels.							
	Immediate act Briefed the Cho Recommended Provide clear s	ons taken: emistry Manager Actions: tandards for proc	on the NOS observat	tions. Il samples to avoid	AH			
					U V			

http://eamgenco.ceco.com/cap/servlet/ReportARServlet

6/23/2009

Segregate environmental sample logsheets for from plant sample logsheets, to avoid confusion about MDA levels.

Reinforce standards for logkeeping to ensure the proper units of measurement and not recording data in the margins.

What activities, processes, or procedures were involved? Tritium analysis

Why did the condition happen? Chemists were not adhering to log keeping standards.

Unclear standards for processing environmental tritium samples.

What are the consequences? False positive results could potentially cause wrong information being reported to regulators.

Repeat or similar condition? Yes, false positive tritium results were reported to the NJDEP in 2008.

Operable Basis: n/a

Reportable Basis: n/a

Reviewed by: THOMAS A DUNN 04/28/2009 18:58:50 CDT Reviewer Comments:

SOC Reviewed by: RONALD W FITTS 05/07/2009 09:19:00 CDT SOC Comments: Follow up Chem.

04-30-09 JJV: PCRA created to revise the procedure in accordance with Recommended Actions.

5/5/09 jek (MRC) Back to SOC for Sev Level 3.

5/7/09 rwf - revised to sig level 3 based on failure to follow a level 2 or 3 procedure with undsireable consequences. Risk/Uncertainty - Medium/Low, Class D - Crew Clock Reset added.

## **Dynamic AR Attributes**

**CREW RESET1:** Chem Lab **Trend Codes** , TC1 TC2 TC3 Proc Org Rank Ρ ECY103 CY20 CH Assignments Assign #: Assigned To: Status: COMPLETE 01 Due Date: **Oyster Creek** 05/06/2009 Aff Fac: Prim Grp: ACAPALL

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Assign Type:	TRKG	Sec Grp:		Orig Due Date:	05/03/2009				
Priority:									
Schedule Ref:									
Unit Condition:									
Subject/Description:	NOS ID: TRITIUM LOGKEEPING NOT CONSISTENT WITH PROCEDURE								
Assign #:	<u>02</u>	Assigned To:	U777RJA	Status:	ACC/ASG				
Aff Fac:	Oyster Creek	Prim Grp:	A5332CHEM	Due Date:	06/30/2009				
Assign Type:	PCRA	Sec Grp:		Orig Due Date:	06/30/2009				
Priority:									
Schedule Ref:									
Unit Condition:									
Subject/Description:	Add a column to the tritium analysis data log for countin g protocol number, and add LLD values for all three protocols, in CY-OC-130-530.								
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