

Go Back

Print | New Search | Home

AR 00927310 Report

Aff Fac:	Oyster Creek	AR Type:	CR	Status:	APPROVED
Aff Unit:	NA	Owed To:	A5332CAP	Due Date:	07/03/2009
Aff System:	--			Event Date:	06/01/2009
CR Level/Class:	4/D			Disc Date:	06/01/2009
How Discovered:	H02			Orig Date:	06/03/2009
WR/PIMS AR:		Component #:			

Action Request Details

Subject: FALSE POSITIVE TRITIUM FROM ANALYSIS OF WELL WATER

Description: Originator: JAMES J VOUGLITOIS Supv Contacted: J. Kandasamy

Condition Description:

As part of the ongoing investigation of the tritiated water that leaked from underground pipes, monitoring well MW-1I-1A was sampled on 05/27/09. The Chemistry Department filtered and analyzed this water sample in accordance with CY-OC-130-530 "Tritium Analysis Liquid Samples". The results of the analysis showed 83,000 pCi/L tritium. This result was inconsistent with the facts that all prior samples from this well showed no detectable tritium, and that the well is located in an area not believed to be impacted by the pipe leaks. Suspecting a false positive result due to interferences caused by sediment or micro-organisms in the sample, the sample was distilled and re-analyzed in accordance with CY-OC-130-530. The result of the re-analysis was less than the lower limit of detection.

Immediate actions taken:

Discussed the anomalous result with the Chemistry Supervisor and requested the distillation/re-analysis.

Recommended Actions:

Close to trend.

What activities, processes, or procedures were involved?

Analysis of well water samples in accordance with CY-OC-130-530 "Tritium Analysis Liquid Samples"

Why did the condition happen?

Interferences caused by sediment or micro-organisms in the sample.

What are the consequences?

None - The distillation and re-analysis in accordance with the procedure eliminated the interferences.

Were any procedural requirements impacted?

No - The analysis and re-analysis were performed in accordance with the procedure (CY-OC-130-530 "Tritium Analysis Liquid Samples").

Were there any adverse physical conditions?

NA

List of knowledgeable individuals:
J. Kandasamy, L. Birkmire, J. Vouglitois

Repeat or similar condition?
No - not as part of this investigation.

Operable Basis:
N/A

Reportable Basis:
N/A

Reviewed by: HERBERT G TRITT II 06/03/2009 12:05:09 CDT
Reviewer Comments:
none

Dynamic AR Attributes

KEYWORD: ENV

Assignments

Assign #:	<u>01</u>	Assigned To:		Status:	AWAIT/C
Aff Fac:	Oyster Creek	Prim Grp:	ACAPALL	Due Date:	06/08/2009
Assign Type:	TRKG	Sec Grp:		Orig Due Date:	μμ/μμ/μμμμ
Priority:					
Schedule Ref:					
Unit Condition:					
Subject/Description:	FALSE POSITIVE TRITIUM FROM ANALYSIS OF WELL WATER				