

From: "Axelson, William L" <WAxelso@entergy.com>
To: "Timothy Rice" <tbrice@gw.dec.state.ny.us>, "James Noggle" <JDN@nrc.gov>, <JRW1@nrc.gov>
Date: 1/26/06 12:35PM
Subject: FW: Report L27310

Latest Sr-90 results from our lab

From: Lavera, Ron
Sent: Thursday, January 26, 2006 8:59 AM
To: Axelson, William L; Croulet, Donald
Subject: FW: Report L27310

Gentlemen

via Sandike to:

Here are the sample results from some split samples. Please route to the appropriate parties.

Thanks

Ron

<mailto:RLaVera@entergy.com> RLaVera@entergy.com
914-736-8433
914-736-8419 FAX
Indian Point 3
Entergy Nuclear Northeast
Entergy Nuclear Operations, Inc.
Indian Point Energy Center
295 Broadway, Suite 3
P.O. Box 308
Buchanan, NY 10511-0308

From: Hood, Floyd
Sent: Thursday, January 26, 2006 8:31 AM
To: Lavera, Ron
Subject: FW: Report L27310

A/40

CC: "Peters, James" <jpeter3@entergy.com>

no Sanctioned to



**TELEDYNE
BROWN ENGINEERING, INC.**

A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133

Floyd Hood, Chem
Entergy Nuclear Northeast
Indian Point Energy Center
295 Broadway - Suite 3, P.O. Box 308
Buchanan NY 10511-0308

DEC 30 2005

Report of Analysis/Certificate of Conformance

12/29/2005

LIMS #: L27310

Project ID#: EN002-3P50IP3-04

Received: 12/13/2005

Delivery Date: 12/27/2005

P.O. #: 4500539361

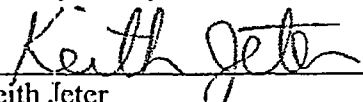
Release #:

SDG #:

This is to certify that Teledyne Brown Engineering - Environmental Services located at 2508 Quality Lane, Knoxville, Tennessee, 37931, has analyzed, tested and documented samples as specified in the applicable purchase order.

This also certifies that requirements of applicable codes, standards and specifications have been fully met and that any quality assurance documentation which verified conformance to the purchase order is on file and may be examined upon request.

I hereby certify that the above statements are true and correct.



Keith Jeter
Operations Manager

Cross Reference Table

Client ID	Laboratory ID	Station ID(if applicable)
IP3-05-86	L27310-1	MW-38
IP3-05-87	L27310-2	MW-107
IP3-05-88	L27310-3	MW-105
IP3-05-89	L27310-4	MW-101

Report of Analysis

12/29/05 13:12

L27310

Entergy Nuclear Northeast

EN002-3P50IP3-04



Floyd Hood, Chem

Sample ID: IP3-05-86	Collect Start: 12/08/2005 10:30	Matrix: Secondary Coolant (SC)
Station: MW-38	Collect Stop:	Volume:
Description:	Receive Date: 12/13/2005	% Moisture:
LIMS Number: L27310-1		

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
SR-90	2019	<		1.25E-08	uCi/ml		100 ml		12/08/05 10:30	12/28/05	15	M U	

Sample ID: IP3-05-87	Collect Start: 12/08/2005 11:15	Matrix: Secondary Coolant (SC)
Station: MW-107	Collect Stop:	Volume:
Description:	Receive Date: 12/13/2005	% Moisture:
LIMS Number: L27310-2		

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
SR-90	2019	<		1.33E-08	uCi/ml		100 ml		12/08/05 11:15	12/28/05	15	M U	

Sample ID: IP3-05-88	Collect Start: 12/08/2005 12:20	Matrix: Secondary Coolant (SC)
Station: MW-105	Collect Stop:	Volume:
Description:	Receive Date: 12/13/2005	% Moisture:
LIMS Number: L27310-3		

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
SR-90	2019	<		1.93E-08	uCi/ml		100 ml		12/08/05 12:20	12/28/05	15	M U	

Sample ID: IP3-05-89	Collect Start: 12/08/2005 12:50	Matrix: Secondary Coolant (SC)
Station: MW-101	Collect Stop:	Volume:
Description:	Receive Date: 12/13/2005	% Moisture:
LIMS Number: L27310-4		

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
SR-90	2019	<		1.25E-08	uCi/ml		100 ml		12/08/05 12:50	12/28/05	15	M U	

Flag Values

- U = Compound/Analyte not detected or less than 3 sigma
- U* = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
- U = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
- High = Activity concentration exceeds customer reporting value
- Spec = MDC exceeds customer technical specification
- L = Low recovery
- H = High recovery

- No = Peak not identified in gamma spectrum
- Yes = Peak identified in gamma spectrum
- **** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Bolded text indicates reportable value.

12/13/05 14:20

Teledyne Brown Engineering
Sample Receipt Verification/Variance Report

SR #: SR05156

Client: Entergy Nuclear Operations, Project #: EN002-3P50IP3-04

LIMS #: L27310

Initiated By: PMARSHALL

Init Date: 12/13/05 Receive Date: 12/13/05

Notification of Variance

Person Notified:

Contacted By:

Notify Date:

Notify Method:

Notify Comment:

Client Response

Person Responding:

Response Date:

Response Method:

Response Comment

Criteria	Yes	No	NA	Comment
1 Shipping container custody seals present and intact.			NA	
2 Sample container custody seals present and intact.			NA	
3 Sample containers received in good condition	Y			
4 Chain of custody received with samples	Y			
5 All samples listed on chain of custody received	Y			
6 Sample container labels present and legible.	Y			
7 Information on container labels correspond with chain of custody	Y			
8 Sample(s) properly preserved and in appropriate container(s)			NA	
9 Other (Describe)			NA	

Report of Analysis

12/30/05 08:51

L27296

Entergy Nuclear Northeast

EN002-3P50IP3-04



Floyd Hood, Chem

Sample ID: IP3-05-80		Collect Start: 11/30/2005 15:20		Matrix: Secondary Coolant (SC)									
Station: GYPSUM PLNT		Collect Stop:		Volume:									
Description:		Receive Date: 12/09/2005		% Moisture:									
LIMS Number: L27296-1													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
SR-90	2019	<		1.52E-08	uCi/ml		100	ml	11/30/05 15:20	12/28/05	15	M	U
Sample ID: IP3-05-81		Collect Start: 11/30/2005 15:30		Matrix: Secondary Coolant (SC)									
Station: ALGONQUIN CREEK		Collect Stop:		Volume:									
Description:		Receive Date: 12/09/2005		% Moisture:									
LIMS Number: L27296-2													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
SR-90	2019	<		2.07E-08	uCi/ml		100	ml	11/30/05 15:30	12/29/05	15	M	U
Sample ID: IP3-05-82		Collect Start: 11/30/2005 15:50		Matrix: Secondary Coolant (SC)									
Station: TRAP ROCK QUARRY		Collect Stop:		Volume:									
Description:		Receive Date: 12/09/2005		% Moisture:									
LIMS Number: L27296-3													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
SR-90	2019	<		2.07E-08	uCi/ml		100	ml	11/30/05 15:50	12/28/05	15	M	U
Sample ID: IP3-05-83		Collect Start: 11/30/2005 16:05		Matrix: Secondary Coolant (SC)									
Station: 5TH ST WELL		Collect Stop:		Volume:									
Description:		Receive Date: 12/09/2005		% Moisture:									
LIMS Number: L27296-4													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
SR-90	2019	<		1.26E-08	uCi/ml		100	ml	11/30/05 16:05	12/28/05	15	M	U

Flag Values

- U = Compound/Analyte not detected or less than 3 sigma
- + = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
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- L = Low recovery
- H = High recovery

- No = Peak not identified in gamma spectrum
- Yes = Peak identified in gamma spectrum
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MDC - Minimum Detectable Concentration

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Report of Analysis

12/30/05 08:51

L27296

Entergy Nuclear Northeast

EN002-3P501P3-04



Floyd Hood, Chem

Sample ID: IP3-05-84		Collect Start: 12/06/2005 11:10		Matrix: Secondary Coolant (SC)									
Station: LEFARGE #1		Collect Stop:		Volume:									
Description:		Receive Date: 12/09/2005		% Moisture:									
LIMS Number: L27296-5													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
SR-90	2019	<		1.48E-08	uCi/ml		100	ml	12/06/05 11:10	12/28/05	15	M	U
Sample ID: IP3-05-85		Collect Start: 12/06/2005 09:55		Matrix: Secondary Coolant (SC)									
Station: LEFARGE #3		Collect Stop:		Volume:									
Description:		Receive Date: 12/09/2005		% Moisture:									
LIMS Number: L27296-6													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
SR-90	2019	<		1.36E-08	uCi/ml		100	ml	12/06/05 09:55	12/28/05	15	M	U

Flag Values

- U = Compound/Analyte not detected or less than 3 sigma
- + = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
- U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
- High = Activity concentration exceeds customer reporting value
- Spec = MDC exceeds customer technical specification
- L = Low recovery
- H = High recovery

- No = Peak not identified in gamma spectrum
- Yes = Peak identified in gamma spectrum
- **** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

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