

From: "Sachatello, Ronald " <rsach90@entergy.com>
To: <mbarvenik@gza.com>, "David Winslow" <dwinslow@gza.com>
Date: 4/26/06 8:16AM
Subject: FW: FW: Pressure test discussion with GZA

Don/Matt:

See Larry's note below. He and Tim Rice will be available and looking forward as soon as possible to participate in the Pressure Test discussion with you when you are ready to set up the communication link with them and the NRC.

Thanks

-----Original Message-----

From: Larry Rosenmann [mailto:larosenm@gw.dec.state.ny.us]
Sent: Wednesday, April 26, 2006 8:06 AM
To: Ronald Sachatello
Cc: Timothy Rice
Subject: Re: FW: Pressure test discussion with GZA

Ron,

Tim and I will be available. Please send a call in number when you get one.

Thanks for setting this up. It really helps when we get new information as soon as it is available.

Larry

Larry A. Rosenmann
NYSDEC Division of Solid & Hazardous Materials
625 Broadway, Albany, NY 12233-7258
Phone: (518) 402-8594 Fax: (518) 402-9024
larosenm@gw.dec.state.ny.us

CC: "Mayer, Donald M" <DMayer1@entergy.com>, "Hinrichs, Gary H" <ghinric@entergy.com>, "ADLER, JOESPH J" <adler@tlgservices.com>, "Larry Rosenmann" <larosenm@gw.dec.state.ny.us>, <tbrice@gw.dec.state.ny.us>, <jrw1@nrc.gov>, <jdn@nrc.gov>

B-34

From: "Lavera, Ronald" <RLavera@entergy.com>
To: <jrw1@nrc.gov>
Date: 4/26/06 7:27PM
Subject: FW: Sample Results for IP-1 Spray & SFP's

Mr. White

> The following is a summary of the Sr-90 sample results (pico Ci/L)
>
> U1 North Curtain Drain
> * Sr-90 232
>
> Sphere Foundation
> * Sr-90 15.9
>
> U1 Containment Spray Sump
> * Sr-90 296
>
> U1 West SFP
> * SSr-90 210,000
>
> U2 SFP
> * Sr-90 434
>
> The analysis report is attached.
>
> The Executive summary will be updated to reflect these, and some other
> values listed in the full report.
>
> Ron <<lates001.PDF>>
>
> 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
>
>

Mr. White

The following is a summary of the Sr-90 sample results (pico Ci/L)

U1 North Curtain Drain

- Sr-90 232

Sphere Foundation

- Sr-90 15.9

U1 Containment Spray Sump

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Ron <<lates001.PDF>>

RLaVera@entergy.com

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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



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

Report of Analysis/Certificate of Conformance

04/26/2006

LIMS #: L28264

Project ID#: EN002-3P501P3-04

Received: 04/10/2006

Delivery Date: 04/24/2006

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)
IP3-06-37	L28264-1	U1 N CURTAIN DRAIN
IP3-06-38	L28264-2	SPHERE FOUND
IP3-06-39	L28264-3	U1 CONTAIN
IP3-06-40	L28264-4	U1 WEST POOL
IP3-06-41	L28264-5	U2 SPENT FUEL POOL

Report of Analysis
04/26/06 14:03



L28264

Entergy Nuclear Northeast

EN002-3P501P3-04

Floyd Hood, Chem

Sample ID: IP3-06-37		Station: U1 N CURTAIN DRAIN		Collect Start: 03/22/2006 13:45		Matrix: Water				(WO)			
Description: U1 North Curtain Drain		LIMS Number: L28264-1		Collect Stop:		Volume:				% Moisture:			
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
FE-55	2006	7.85E+02	1.11E+02	2.07E+02	pCi/L		200	ml	03/22/06 13:45	04/20/06	6000		U* No
II-3	2010	1.18E+04	1.20E+03	1.22E+03	pCi/L		2	ml		04/20/06	40	M	+ No
NI-63	2013	1.05E+03	5.78E+01	3.93E+01	pCi/L		100	ml		04/20/06	12.04	M	+ No
SR-90	2019	2.32E+02	6.00E+00	1.15E+00	pCi/L		450	ml	03/22/06 13:45	04/25/06	100	M	+ No
TOTAL SR	2019	2.12E+02	1.29E+01	3.24E+00	pCi/L		450	ml	03/22/06 13:45	04/19/06	15	M	+ No
BE-7	2007	9.28E+02	1.21E+03	2.01E+03	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
K-40	2007	-5.85E+01	1.45E+02	2.86E+02	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
CR-51	2007	8.63E+01	1.21E+03	1.98E+03	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
MN-54	2007	3.70E+00	1.32E+01	2.23E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
CO-57	2007	1.34E+00	5.63E+01	9.35E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
CO-58	2007	5.82E+00	1.63E+01	2.77E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
FE-59	2007	-2.17E+01	3.68E+01	5.54E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
CO-60	2007	1.14E+01	1.47E+01	2.67E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
ZN-65	2007	-6.54E+00	3.13E+01	4.98E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
NB-94	2007	-9.28E+00	1.30E+01	2.00E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
NB-95	2007	2.09E+00	1.69E+01	2.80E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
ZR-95	2007	-5.42E+00	2.88E+01	4.63E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
MO-99	2007	6.32E+03	6.39E+04	1.06E+05	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
RU-103	2007	-3.35E+01	1.32E+02	2.17E+02	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
RU-106	2007	-2.05E+02	5.81E+02	9.58E+02	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
AG-110M	2007	4.90E+04	3.69E+02	8.44E+02	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U* No
SB-124	2007	-4.12E+01	7.74E+01	1.24E+02	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
SB-125	2007	1.73E+01	2.94E+02	4.88E+02	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
I-131	2007	-3.67E+02	8.01E+02	1.30E+03	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
CS-134	2007	-3.78E+01	5.91E+01	9.45E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
CS-137	2007	5.44E+04	3.97E+02	8.90E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	+ Yes
BA-140	2007	-1.75E+01	1.03E+03	1.68E+03	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No
LA-140	2007	2.82E+01	5.53E+01	9.95E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U No

Flag Values

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- **** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Bolded text indicates reportable value.

Report of Analysis

04/26/06 14:03

L28264

Entergy Nuclear Northeast

EN002-3P50IP3-04



Floyd Hood, Chem

Sample ID: IP3-06-37		Collect Start: 03/22/2006 13:45		Matrix: Water		(WO)	
Station: U1 N CURTAIN DRAIN		Collect Stop:		Volume:			
Description: U1 North Curtain Drain		Receive Date: 04/10/2006		% Moisture:			
LIMS Number: L28264-1							

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag	Values
CE-141	2007	2.30E+01	1.59E+02	2.62E+02	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U	No
CE-144	2007	-1.86E+02	4.37E+02	7.20E+02	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U	No
EU-154	2007	-2.74E+01	1.13E+02	1.87E+02	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U	No
RA-226	2007	2.40E+03	1.58E+03	2.62E+03	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U	No
TH-228	2007	6.92E+01	1.26E+02	2.11E+02	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U	Spec No
TH-232	2007	2.11E+01	4.69E+01	8.42E+01	pCi/L		1030.55	ml	03/22/06 13:45	04/17/06	4346	Sec	U	Spec No

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Report of Analysis

04/26/06 14:03

L28264

Entergy Nuclear Northeast

EN002-3P50IP3-04



Floyd Hood, Chem

Sample ID: IP3-06-38		Collect Start: 03/22/2006 12:00		Matrix: Water		(WO)								
Station: SPHERE FOUND		Collect Stop:		Volume:										
Description: Sphere Foundation Drain Sump		Receive Date: 04/10/2006		% Moisture:										
LIMS Number: L28264-2														
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
FE-55	2006	1.66E+02	6.84E+01	1.05E+02	pCi/L		200	ml	03/22/06 12:00	04/20/06	6000		U*	No
H-3	2010	7.78E+02	2.22E+02	2.95E+02	pCi/L		10	ml		04/21/06	40	M	+	
NI-63	2013	7.66E+00	8.65E+00	1.40E+01	pCi/L		100	ml		04/21/06	100	M	U	
SR-90	2019	1.59E+01	6.52E-01	4.51E-01	pCi/L		450	ml	03/22/06 12:00	04/26/06	800	M	+	
TOTAL SR	2019	1.37E+01	8.30E-01	6.12E-01	pCi/L		450	ml	03/22/06 12:00	04/19/06	300	M	+	
BE-7	2007	1.93E+01	7.62E+01	1.27E+02	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
K-40	2007	3.34E+02	9.87E+01	1.99E+02	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U*	No
CR-51	2007	-6.77E+01	9.95E+01	1.57E+02	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
MN-54	2007	-5.00E+00	7.49E+00	1.16E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
CO-57	2007	6.83E-01	5.53E+00	9.11E+00	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
CO-58	2007	-8.43E+00	8.81E+00	1.33E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
FE-59	2007	6.48E+00	1.79E+01	3.03E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
CO-60	2007	-2.10E+00	6.96E+00	1.11E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
ZN-65	2007	5.95E+00	1.60E+01	2.71E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
NB-94	2007	-3.59E+00	7.17E+00	1.15E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
NB-95	2007	-1.60E+00	8.86E+00	1.43E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
ZR-95	2007	2.33E+00	1.58E+01	2.61E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
MO-99	2007	-2.44E+03	3.75E+04	6.13E+04	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
RU-103	2007	4.88E-01	1.05E+01	1.70E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
RU-106	2007	-2.36E+01	6.54E+01	1.06E+02	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
AG-110M	2007	1.46E+01	8.52E+00	1.37E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U*	No
SB-124	2007	-1.02E+01	1.11E+01	1.44E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
SB-125	2007	1.13E+01	1.84E+01	3.14E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
I-131	2007	3.61E+01	5.87E+01	1.01E+02	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
CS-134	2007	7.91E+00	9.01E+00	1.35E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
CS-137	2007	1.06E+01	1.23E+01	1.10E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	Yes
BA-140	2007	2.34E+01	9.40E+01	1.56E+02	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No
LA-140	2007	-6.96E+00	3.16E+01	5.00E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec	U	No

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Report of Analysis

04/26/06 14:03

L28264

Entergy Nuclear Northeast

EN002-3P50IP3-04



Floyd Hood, Chem

Sample ID: IP3-06-38		Collect Start: 03/22/2006 12:00		Matrix: Water		(WU)	
Station: SPHERE FOUND		Collect Stop:		Volume:			
Description: Sphere Foundation Drain Sump		Receive Date: 04/10/2006		% Moisture:			
LIMS Number: L28264-2							

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
CE-141	2007	-1.10E+01	1.67E+01	2.66E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec U	No
CE-144	2007	1.20E+00	4.55E+01	7.45E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec U	No
EU-154	2007	-6.24E-01	1.10E+01	1.80E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec U	No
RA-226	2007	1.09E+02	2.01E+02	2.24E+02	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec U	Yes
TH-228	2007	1.12E+01	1.41E+01	1.71E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec U	Spec Yes
TI-232	2007	1.57E+00	3.26E+01	4.38E+01	pCi/L		1018.78	ml	03/22/06 12:00	04/17/06	12624	Sec U	Spec No

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MDC - Minimum Detectable Concentration

Report of Analysis

04/26/06 14:03

L28264

Entergy Nuclear Northeast

EN002-3P50IP3-04



TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Floyd Hood, Chem

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
Sample ID: IP3-06-39	Station: UI CONTAIN	Collect Start: 03/22/2006 14:00		Matrix: Water		(WO)							
Description: UI Containment Spray Sump	Collect Stop:		Volume:										
LIMS Number: L28264-3	Receive Date: 04/10/2006		% Moisture:										
FE-55	2006	6.82E+02	1.18E+02	2.25E+02	pCi/L		200	ml	03/22/06 14:00	04/20/06	3986		U* No
II-3	2010	2.34E+03	2.97E+02	3.07E+02	pCi/L		10	ml		04/21/06	40	M	+
NI-63	2013	2.22E+01	8.90E+00	1.39E+01	pCi/L		100	ml		04/21/06	100	M	+
SR-90	2019	2.96E+02	8.65E+00	2.14E+00	pCi/L		450	ml	03/22/06 14:00	04/25/06	100	M	+
TOTAL SR	2019	3.14E+02	2.06E+01	4.77E+00	pCi/L		450	ml	03/22/06 14:00	04/19/06	15	M	+
BE-7	2007	2.57E+02	2.58E+02	4.36E+02	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
K-40	2007	4.12E+01	1.59E+02	3.20E+02	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
CR-51	2007	1.14E+02	2.70E+02	4.46E+02	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
MN-54	2007	3.09E+00	1.13E+01	1.87E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
CO-57	2007	7.75E+00	1.32E+01	2.23E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
CO-58	2007	8.13E+00	1.33E+01	2.33E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
FE-59	2007	6.68E+00	2.93E+01	4.96E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
CO-60	2007	3.12E-01	1.10E+01	1.82E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
ZN-65	2007	1.71E+01	2.59E+01	4.56E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
NB-94	2007	4.52E+00	1.02E+01	1.59E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
NB-95	2007	1.14E+01	1.39E+01	2.48E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
ZR-95	2007	4.15E+00	2.19E+01	3.57E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
MO-99	2007	3.29E+04	5.18E+04	9.11E+04	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
RU-103	2007	7.50E+00	2.93E+01	4.81E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
RU-106	2007	4.00E+01	1.41E+02	2.37E+02	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
AG-110M	2007	2.55E+03	7.37E+01	1.68E+02	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U* No
SB-124	2007	5.24E-01	2.47E+01	3.44E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
SB-125	2007	2.02E+01	6.03E+01	9.81E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
I-131	2007	1.82E+02	1.61E+02	2.57E+02	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
CS-134	2007	1.24E+01	1.95E+01	2.85E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
CS-137	2007	2.79E+03	7.96E+01	2.24E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	+ Yes
BA-140	2007	1.65E+01	2.35E+02	3.92E+02	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
LA-140	2007	3.71E+01	5.11E+01	9.30E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No

Flag Values

- U = Compound/Analyte not detected or less than 3 sigma
- U* = Activity concentration exceeds MDC and 3 sigma; peak identified (gamma only)
- + = 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
- HI = 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.

Report of Analysis

04/26/06 14:03

L28264

Entergy Nuclear Northeast

EN002-3P50IP3-04



Floyd Hood, Chem

Sample ID: IP3-06-39		Station: UI CONTAIN		Collect Start: 03/22/2006 14:00		Matrix: Water		(WO)					
Description: UI Containment Spray Sump		LIMS Number: L28264-3		Collect Stop:		Volume:		% Moisture:					
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
CE-141	2007	2.28E+01	3.74E+01	6.05E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
CE-144	2007	5.93E+01	1.03E+02	1.68E+02	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
EU-154	2007	2.35E+01	2.65E+01	4.53E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U No
RA-226	2007	3.10E+00	3.68E+02	5.91E+02	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U Yes
TH-228	2007	7.83E+00	2.98E+01	5.07E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U Spec No
TI-232	2007	2.00E+01	4.15E+01	7.44E+01	pCi/L		986.75	ml	03/22/06 14:00	04/17/06	4943	Sec	U Spec No
AM-241 (AS)	2001	2.43E-02	6.04E-02	1.02E-01	pCi/L		200	ml		04/20/06	60000	sec	U
CM-242 (AS)	2001	3.66E-02	4.57E-02	4.29E-02	pCi/L		2	l		04/20/06	60000	sec	U
CM-243/244 (AS)	2001	4.41E-02	4.42E-02	1.63E-02	pCi/L		2	l		04/20/06	60000	sec	U
NP-237 (AS)	2001	8.25E-03	6.46E-02	1.39E-01	pCi/L		2	l		04/20/06	60003	sec	U
PU-238 (AS)	2001	8.29E-03	7.20E-02	1.53E-01	pCi/L		200	ml		04/20/06	60003	sec	U
PU-239/240 (AS)	2001	5.49E-02	3.72E-02	1.45E-01	pCi/L		200	ml		04/20/06	60003	sec	U
PU-241	2001	4.38E+00	6.39E+00	1.03E+01	pCi/L		200	ml		04/22/06	100	M	U
PU-242 (AS)	2001	3.44E-02	6.45E-02	8.35E-02	pCi/L		200	ml		04/20/06	60003	sec	U
U-233/234 (AS)	2001	5.53E-01	1.75E-01	7.67E-02	pCi/L		2	l		04/20/06	60000	sec	+
U-235 (AS)	2001	1.01E-02	3.27E-02	4.24E-02	pCi/L		2	l		04/20/06	60000	sec	U
U-238 (AS)	2001	4.20E-01	1.49E-01	3.43E-02	pCi/L		2	l		04/20/06	60000	sec	+

Flag Values

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

Bolded text indicates reportable value.

- 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

Report of Analysis
04/26/06 14:03



L28264

Entergy Nuclear Northeast

EN002-3P50IP3-04

Floyd Hood, Chem

Sample ID: IP3-06-40		Station: UI WEST POOL		Collect Start: 03/22/2006 13:20		Matrix: Water		(WO)					
Description: UI West Pool		LIMS Number: L28264-4		Collect Stop:		Volume:		% Moisture:					
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
FE-55	2006	3.52E+02	8.56E+01	1.36E+02	pCi/L		200	ml	03/22/06 13:20	04/20/06	6000	U*	No
II-3	2010	2.57E+05	8.59E+04	1.21E+05	pCi/L		.02	ml		04/20/06	40	M +	
NI-63	2013	2.39E+05	1.13E+04	5.51E+02	pCi/L		100	ml		04/21/06	.07	M +	
SR-90	2019	2.10E+05	2.63E+02	2.46E+00	pCi/L		450	ml	03/22/06 13:20	04/25/06	100	M +	
TOTAL SR	2019	2.19E+05	6.18E+02	7.27E+00	pCi/L		450	ml	03/22/06 13:20	04/19/06	15	M +	
BE-7	2007	8.96E+04	7.98E+04	1.30E+05	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
K-40	2007	2.77E+03	2.68E+03	3.29E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	Yes
CR-51	2007	3.48E+04	8.25E+04	1.37E+05	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
MN-54	2007	-9.65E+02	8.75E+02	1.41E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
CO-57	2007	4.59E+02	2.85E+03	4.74E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
CO-58	2007	5.66E+02	1.14E+03	1.91E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
FE-59	2007	-1.14E+03	1.95E+03	3.10E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
CO-60	2007	1.09E+04	6.20E+02	3.56E+02	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec +	Yes
ZN-65	2007	7.65E+02	1.40E+03	2.33E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
NB-94	2007	4.04E+02	9.06E+02	1.49E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
NB-95	2007	-1.84E+02	1.21E+03	1.96E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
ZR-95	2007	-1.98E+03	2.22E+03	3.53E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
RU-103	2007	-7.46E+03	8.80E+03	1.46E+04	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
RU-106	2007	-1.96E+04	3.29E+04	5.40E+04	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
AG-110M	2007	1.16E+07	2.11E+04	4.34E+04	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U*	No
SB-124	2007	-1.30E+02	4.66E+03	7.67E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
SB-125	2007	-6.41E+03	1.71E+04	2.79E+04	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
I-131	2007	1.65E+04	9.64E+04	1.58E+05	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
CS-134	2007	-1.56E+03	3.23E+03	5.30E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
CS-137	2007	1.34E+07	2.29E+04	4.80E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec +	Yes
BA-140	2007	-7.69E+04	9.51E+04	1.57E+05	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
LA-140	2007	-9.98E+00	1.52E+03	2.53E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No
CE-141	2007	-8.36E+02	9.52E+03	1.57E+04	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec U	No

Flag Values

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- IHigh = 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
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MDC - Minimum Detectable Concentration

Bolded text indicates reportable value.

Report of Analysis

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L28264

Entergy Nuclear Northeast

EN002-3P50IP3-04



Floyd Hood, Chem

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
CE-144	2007	1.81E+03	2.20E+04	3.66E+04	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec	U No
EU-154	2007	3.20E+03	5.54E+03	9.24E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec	U No
RA-226	2007	6.71E+05	8.09E+04	1.35E+05	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec	U* No
TH-228	2007	1.89E+03	6.76E+03	1.10E+04	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec	U No
Tl-232	2007	8.60E+02	2.77E+03	4.62E+03	pCi/L	R1	.05	L	03/22/06 13:20	04/26/06	7402	Sec	U No
AM-241 (AS)	2001	8.45E+00	8.54E-01	7.17E-02	pCi/L		200	ml		04/20/06	60000	sec	+
CM-242 (AS)	2001	6.56E-02	5.76E-02	3.18E-02	pCi/L		.2	l		04/20/06	60000	sec	U
CM-243/244 (AS)	2001	6.59E-01	1.80E-01	1.71E-02	pCi/L		.2	l		04/20/06	60000	sec	+
NP-237 (AS)	2001	1.82E-02	7.65E-02	1.33E-01	pCi/L		.2	l		04/20/06	60004	sec	U
PU-238 (AS)	2001	8.25E+00	1.30E+00	2.00E-01	pCi/L		200	ml		04/20/06	60004	sec	+
PU-239/240 (AS)	2001	4.99E+00	8.70E-01	8.64E-02	pCi/L		200	ml		04/20/06	60004	sec	+
PU-241	2001	2.58E+01	7.12E+00	1.03E+01	pCi/L		200	ml		04/22/06	100	M	+
PU-242 (AS)	2001	1.19E-02	3.85E-02	4.99E-02	pCi/L		200	ml		04/20/06	60004	sec	U
U-233/234 (AS)	2001	6.45E-02	6.58E-02	6.19E-02	pCi/L		.2	l		04/20/06	60000	sec	U
U-235 (AS)	2001	.00E+00	.00E+00	2.37E-02	pCi/L		.2	l		04/20/06	60000	sec	U
U-238 (AS)	2001	3.43E-03	4.20E-02	7.99E-02	pCi/L		.2	l		04/20/06	60000	sec	U

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MDC - Minimum Detectable Concentration

Report of Analysis

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Entergy Nuclear Northeast

EN002-3P501P3-04



TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Floyd Hood, Chem

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
FE-55	2006	1.11E+02	1.04E+02	1.51E+02	pCi/L		200	ml	03/22/06 12:10	04/20/06	6000	U	No
H-3	2010	2.39E+07	4.33E+05	1.22E+05	pCi/L		.02	ml		04/20/06	40	M +	
NI-63	2013	8.17E+03	3.84E+02	9.90E+01	pCi/L		100	ml		04/21/06	2.01	M +	
SR-89	2019	1.84E+01	7.17E+00	1.21E+01	pCi/L		450	ml	03/22/06 12:10	04/26/06	800	M U Spec	
SR-90	2019	4.34E+02	1.19E+01	3.07E+00	pCi/L		450	ml	03/22/06 12:10	04/25/06	100	M +	
TOTAL SR	2019	4.66E+02	2.88E+01	6.28E+00	pCi/L		450	ml	03/22/06 12:10	04/19/06	15	M +	
BE-7	2007	1.81E+04	3.97E+03	5.89E+03	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U*	No
K-40	2007	3.00E+02	7.58E+02	1.30E+03	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No
CR-51	2007	3.71E+02	4.31E+03	6.96E+03	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No
MN-54	2007	1.05E+02	2.09E+02	3.49E+02	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No
CO-57	2007	3.01E+02	1.50E+02	2.37E+02	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec +	Yes
CO-58	2007	2.29E+03	3.12E+02	4.37E+02	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec +	Yes
FE-59	2007	3.05E+02	6.97E+02	1.16E+03	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No
CO-60	2007	4.13E+04	4.09E+02	1.71E+02	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec +	Yes
ZN-65	2007	9.96E+01	4.78E+02	7.86E+02	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No
NB-94	2007	1.96E+01	1.70E+02	2.80E+02	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No
NB-95	2007	5.49E+01	2.66E+02	4.36E+02	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No
ZR-95	2007	9.86E+01	4.73E+02	7.77E+02	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No
RU-103	2007	1.25E+02	4.37E+02	7.23E+02	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No
RI-106	2007	2.74E+03	2.20E+03	3.52E+03	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No
AG-110M	2007	9.49E+04	7.60E+02	1.69E+03	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U*	No
SB-124	2007	7.07E+04	7.53E+02	1.66E+03	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U*	No
SB-125	2007	1.90E+03	5.63E+02	1.32E+03	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec +	Yes
I-131	2007	8.46E+02	4.67E+03	7.74E+03	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No
CS-134	2007	4.91E+04	3.82E+02	3.48E+02	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec +	Yes
CS-137	2007	9.98E+04	7.98E+02	3.68E+02	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec +	Yes
BA-140	2007	3.62E+03	5.46E+03	8.93E+03	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No
LA-140	2007	3.73E+01	4.66E+02	7.75E+02	pCi/L	R1	.284	L	03/22/06 12:10	04/25/06	6000	Sec U	No

Flag Values

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- U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
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- H = High recovery

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Bolded text indicates reportable value.

Report of Analysis

04/26/06 14:03

L28264

Entergy Nuclear Northeast

EN002-3P501P3-04



Floyd Hood, Chem

Sample ID: IP3-06-41		Station: U2 SPENT FUEL POOL		Collect Start: 03/22/2006 12:10		Matrix: Water		(WO)					
Description: U2 Spent Fuel Pool		LIMS Number: L28264-5		Collect Stop:		Volume:		% Moisture:					
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
CE-141	2007	-2.62E+01	4.78E+02	7.90E+02	pCi/L	RI	.284	L	03/22/06 12:10	04/25/06	6000	Sec	U No
CE-144	2007	-7.67E+02	1.11E+03	1.84E+03	pCi/L	RI	.284	L	03/22/06 12:10	04/25/06	6000	Sec	U No
EU-154	2007	5.88E+02	2.93E+02	4.72E+02	pCi/L	RI	.284	L	03/22/06 12:10	04/25/06	6000	Sec	U* No
RA-226	2007	5.53E+03	4.17E+03	6.85E+03	pCi/L	RI	.284	L	03/22/06 12:10	04/25/06	6000	Sec	U No
Tl-228	2007	1.89E+02	3.46E+02	5.75E+02	pCi/L	RI	.284	L	03/22/06 12:10	04/25/06	6000	Sec	U No
Th-232	2007	-5.46E+02	8.08E+02	1.32E+03	pCi/L	RI	.284	L	03/22/06 12:10	04/25/06	6000	Sec	U No
AM-241 (AS)	2001	4.68E+00	5.95E-01	4.99E-02	pCi/L		200	ml		04/20/06	60000	sec	+
CM-242 (AS)	2001	1.21E+01	1.17E+00	1.88E-02	pCi/L		2			04/20/06	60000	sec	+
CM-243/244 (AS)	2001	3.22E+01	2.64E+00	1.88E-02	pCi/L		2			04/20/06	60000	sec	+
NP-237 (AS)	2001	4.89E-02	9.19E-02	1.19E-01	pCi/L		2			04/20/06	60004	sec	U
PU-238 (AS)	2001	5.07E+00	1.01E+00	2.92E-01	pCi/L		200	ml		04/20/06	60004	sec	+
PU-239/240 (AS)	2001	1.24E+00	3.89E-01	1.65E-01	pCi/L		200	ml		04/20/06	60004	sec	+
PU-241	2001	2.64E+02	1.35E+01	1.13E+01	pCi/L		200	ml		04/22/06	100	M	+
PU-242 (AS)	2001	.00E+00	.00E+00	3.35E-02	pCi/L		200	ml		04/20/06	60004	sec	U
U-233/234 (AS)	2001	6.68E-02	6.00E-02	1.97E-02	pCi/L		2			04/20/06	60000	sec	U
U-235 (AS)	2001	-3.74E-03	1.15E-02	4.54E-02	pCi/L		2			04/20/06	60000	sec	U
U-238 (AS)	2001	8.17E-03	4.21E-02	7.34E-02	pCi/L		2			04/20/06	60000	sec	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

Bolded text indicates reportable value.

- 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