

From: "Lavera, Ronald" <RLavera@entergy.com>
To: <jjk@nrc.gov>
Date: 06/07/2006 2:43:28 PM
Subject: Sample Analysis Reports - Part 1

Jim

Here is a bunch of data. I believe that this is more than you wanted. Due to e-mail restrictions, this will be a multi-part message. I will indicate in the last message that the data transmission is complete.

Please let me know if there is any other information that you require.

Thanks

Ron

<<Entergy L28593.pdf>> <<Entergy L28281.pdf>> <<Entergy L27966.pdf>>
<<Entergy L28455 Partial.pdf>> <<Entergy L28182 Revised 05-24-06.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

D-3

Mail Envelope Properties (44871DCF.F85 : 3 : 36741)

Subject: Sample Analysis Reports - Part 1
Creation Date 06/07/2006 2:39:13 PM
From: "Lavera, Ronald" <RLavera@entergy.com>

Created By: RLavera@entergy.com

Recipients

nrc.gov
kp1_po.KP_DO
JJK (James Kottan)

Post Office

kp1_po.KP_DO

Route

nrc.gov

Files	Size	Date & Time
MESSAGE	787	06/07/2006 2:39:13 PM
TEXT.htm	2256	
Entergy L28593.pdf	778569	
Entergy L28281.pdf	2042122	
Entergy L27966.pdf	1029581	
Entergy L28455 Partial.pdf	670806	
Entergy L28182 Revised 05-24-06.pdf		1462198
Mime.822	8194539	

Options

Expiration Date: None
Priority: Standard
ReplyRequested: No
Return Notification: None

Concealed Subject: No
Security: Standard

Junk Mail Handling Evaluation Results

Message is eligible for Junk Mail handling
This message was not classified as Junk Mail

Junk Mail settings when this message was delivered

Junk Mail handling disabled by User
Junk List is not enabled
Junk Mail using personal address books is not enabled
Block List is not enabled



**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

Partial

Report of Analysis/Certificate of Conformance

05/16/2006

LIMS #: L28593

Project ID#: EN002-3P50IP3-04

Received: 05/03/2006

Delivery Date: 05/17/2006

P.O. #: 4500539361

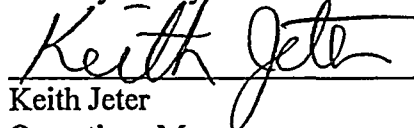
Release #:

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)
IP3-06-081	L28593-1	U1 CON SPRAY SMP BTM
IP3-06-082	L28593-2	U1 CON SPRAY SMP SUR

Report of Analysis

05/16/06 16:58

L28593

Entergy Nuclear Northeast

EN002-3P50IP3-04



Floyd Hood, Chem

Sample ID: IP3-06-081	Collect Start: 04/24/2006 16:30	Matrix: Liquid Radwaste (LR)
Station: U1 CON SPRAY SMP BTM	Collect Stop:	Volume:
Description:	Receive Date: 05/03/2006	% Moisture:
LIMS Number: L28593-1		

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
NI-63	2013	2.95E-08	9.06E-09	1.39E-08	uCi/ml		100	ml		05/12/06	100	M	+
TOTAL SR	2018	2.64E-07	1.57E-08	3.83E-09	uCi/ml		450	ml	04/24/06 16:30	05/16/06	15	M	+

Sample ID: IP3-06-082	Collect Start: 04/24/2006 17:00	Matrix: Liquid Radwaste (LR)
Station: U1 CON SPRAY SMP SUR	Collect Stop:	Volume:
Description:	Receive Date: 05/03/2006	% Moisture:
LIMS Number: L28593-2		

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
NI-63	2013	2.92E-08	9.06E-09	1.40E-08	uCi/ml		100	ml		05/12/06	100	M	+
TOTAL SR	2018	2.99E-07	1.79E-08	3.78E-09	uCi/ml		450	ml	04/24/06 17:00	05/16/06	15	M	+

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
- Spec = Activity concentration exceeds customer reporting value
- L = 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

05/11/06 14:02

Teledyne Brown Engineering
Sample Receipt Verification/Variance Report

SR #: SR08320

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

LIMS #: L28593

Initiated By: PMARSHALL

Init Date: 05/11/06

Receive Date: 05/11/06

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	

L28593
P-8C

1

1

[illegible]

Pvt Marshall

**Count to Envirmental LLDs;
Count H3 to 200 pCi/L**

Sr-89 added per request
from Floyd Hood 5-11-06
RJR



**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

Report of Analysis/Certificate of Conformance

05/02/2006

LIMS #: L28281

Project ID#: EN002-3P50IP3-04

Received: 04/12/2006

Delivery Date: 04/26/2006

P.O. #: 4500539361

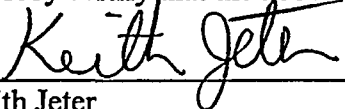
Release #:

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)
IP3-06-069	L28281-1	MW-42 41 FT
IP3-06-070	L28281-2	MW-42 43 FT
IP3-06-071	L28281-3	MW-42 45.5 FT
IP3-06-072	L28281-4	MW-42 48 FT
IP3-06-073	L28281-5	MW-42 51 FT
IP3-06-074	L28281-6	MW-42 78 FT

Case Narrative

05/02/2006 09:23

L28281

EN002-3P50IP3-04

Entergy Nuclear Operations, Inc

All Tc-99 samples were rerun because of possible uranium interference on the original analysis. The additional cleanup steps were used in the reanalysis. The additional cleanup resulted in a lower recovery and a slightly elevated MDC for the Tc-99 analysis.

L28281-1	None
Analysis	Run# Analysis Comments
TC-99	Possible uranium interference
L28281-2	None
Analysis	Run# Analysis Comments
TC-99	Possible uranium interference
L28281-3	None
Analysis	Run# Analysis Comments
TC-99	Possible uranium interference
L28281-4	None
Analysis	Run# Analysis Comments
TC-99	Possible uranium interference
L28281-5	None
Analysis	Run# Analysis Comments
TC-99	Possible uranium interference
L28281-6	None
Analysis	Run# Analysis Comments
TC-99	Possible uranium interference

Report of Analysis

05/02/06 09:05

L28281

Entergy Nuclear Northeast

EN002-3P50IP3-04



TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-069		Collect Start: 04/07/2006 16:50				Matrix: Water				(WO)			
Station: MW-42 41 FT		Collect Stop:				Volume:							
Description: MW-42 41 FT		Receive Date: 04/12/2006				% Moisture:							
LIMS Number: L28281-1													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
C-14	032-82	1.71E+01	2.00E+01	3.40E+01	pCi/L		100	ml		04/21/06	69.31	M	U
FE-55	2006	-3.24E+02	1.12E+02	1.60E+02	pCi/L		200	ml	04/07/06 16:50	04/21/06	2700		U
H-3	2010	2.88E+03	5.34E+02	7.35E+02	pCi/L		2	ml		04/22/06	100	M	+
NI-59	2013	1.24E+02	1.31E+02	2.20E+02	pCi/L		100	ml	04/07/06 16:50	04/19/06	6000		U
NI-63	2013	3.19E+03	1.67E+02	6.73E+01	pCi/L		100	ml		04/21/06	4.09	M	+
SR-90	2019	9.59E+01	1.30E+00	3.86E-01	pCi/L		450	ml	04/07/06 16:50	04/26/06	800	M	+
TOTAL SR	2019	8.45E+01	1.71E+00	5.55E-01	pCi/L		450	ml	04/07/06 16:50	04/19/06	300	M	+
TC-99	2021	-3.52E+00	1.40E+01	2.31E+01	pCi/L	R1	100	ml		04/29/06	98.63	M	U
BE-7	2007	1.07E+02	7.15E+02	1.18E+03	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
K-40	2007	6.87E+01	1.26E+02	1.48E+02	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
CR-51	2007	-5.42E+01	5.81E+02	9.50E+02	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
MN-54	2007	2.07E+00	1.09E+01	1.80E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
CO-57	2007	-2.79E+00	3.90E+01	6.47E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
CO-58	2007	-7.37E+00	1.15E+01	1.78E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
FE-59	2007	4.38E+00	2.22E+01	3.71E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
CO-60	2007	5.62E+01	9.53E+00	1.65E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	+
ZN-65	2007	4.88E+01	2.81E+01	4.70E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U*
NB-94	2007	-9.06E+00	1.12E+01	1.75E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
NB-95	2007	1.91E+00	1.09E+01	1.80E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
ZR-95	2007	-7.43E+00	1.94E+01	3.08E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
MO-99	2007	8.11E+01	9.36E+02	1.55E+03	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
RU-103	2007	-6.91E+01	7.36E+01	1.20E+02	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
RU-106	2007	1.21E+02	4.11E+02	6.86E+02	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
AG-110M	2007	4.21E+04	2.56E+02	5.86E+02	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U*
SB-124	2007	-1.87E+01	4.71E+01	7.59E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
SB-125	2007	1.15E+02	2.10E+02	3.49E+02	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
I-131	2007	-3.21E+01	1.45E+02	2.35E+02	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U
CS-134	2007	3.07E+01	4.27E+01	7.00E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	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

Report of Analysis

05/02/06 09:05

L28281

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-069		Collect Start: 04/07/2006 16:50				Matrix: Water				(WO)			
Station: MW-42 41 FT		Collect Stop:				Volume:							
Description: MW-42 41 FT		Receive Date: 04/12/2006				% Moisture:							
LIMS Number: L28281-1													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
CS-137	2007	4.89E+04	2.88E+02	6.74E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	+ Yes
BA-140	2007	-2.29E+02	3.12E+02	5.06E+02	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U No
LA-140	2007	5.69E+00	1.65E+01	2.87E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U No
CE-141	2007	-1.27E+01	8.19E+01	1.35E+02	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U No
CE-144	2007	-2.27E+02	3.05E+02	5.01E+02	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U No
EU-154	2007	-4.69E+00	8.07E+01	1.34E+02	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U No
RA-226	2007	2.49E+03	1.15E+03	1.90E+03	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U* No
TH-228	2007	-3.46E+01	9.06E+01	1.50E+02	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U No
TH-232	2007	1.88E+01	4.10E+01	7.18E+01	pCi/L		978.63	ml	04/07/06 16:50	04/17/06	7783	Sec	U No
AM-241 (AS)	2001	1.23E-01	9.47E-02	1.10E-01	pCi/L		200	ml		04/21/06	60000	sec	U
CM-242 (AS)	2001	5.16E-02	5.49E-02	4.63E-02	pCi/L		.2	l		04/21/06	60000	sec	U
CM-243/244 (AS)	2001	2.70E-02	5.12E-02	7.32E-02	pCi/L		.2	l		04/21/06	60000	sec	U
NP-237 (AS)	2001	-1.89E-02	7.54E-02	1.66E-01	pCi/L		.2	l		04/20/06	60003	sec	U
PU-238 (AS)	2001	9.11E-02	7.37E-02	3.76E-02	pCi/L		200	ml		04/21/06	60000	sec	U
PU-239/240 (AS)	2001	3.10E-02	5.88E-02	8.41E-02	pCi/L		200	ml		04/21/06	60000	sec	U
PU-241	2001	2.27E+00	5.03E+00	8.16E+00	pCi/L		200	ml		04/26/06	100	M	U
PU-242 (AS)	2001	.00E+00	.00E+00	2.02E-02	pCi/L		200	ml		04/21/06	60000	sec	U
U-233/234 (AS)	2001	1.40E+00	2.97E-01	1.05E-01	pCi/L		.2	l		04/20/06	60003	sec	+
U-235 (AS)	2001	6.11E-02	6.80E-02	4.59E-02	pCi/L		.2	l		04/20/06	60003	sec	U
U-238 (AS)	2001	1.64E+00	3.23E-01	7.43E-02	pCi/L		.2	l		04/20/06	60003	sec	+

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- + = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
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- H = High recovery

Bolded text indicates reportable value.

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

MDC - Minimum Detectable Concentration

Report of Analysis

05/02/06 09:05

L28281

Entergy Nuclear Northeast

EN002-3P50IP3-04



TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-070		Collect Start: 04/07/2006 15:47				Matrix: Water				(WO)			
Station: MW-42 43 FT		Collect Stop:				Volume:							
Description: MW-42 43 FT		Receive Date: 04/12/2006				% Moisture:							
LIMS Number: L28281-2													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
C-14	032-82	-8.17E+00	1.23E+01	2.12E+01	pCi/L		100	ml		04/21/06	75.16	M	U
FE-55	2006	-3.25E+02	9.72E+01	1.40E+02	pCi/L		200	ml	04/07/06 15:47	04/21/06	3600		U
H-3	2010	2.37E+03	5.20E+02	7.35E+02	pCi/L		2	ml		04/23/06	100	M	+
NI-59	2013	-1.65E+02	9.43E+01	1.44E+02	pCi/L		100	ml	04/07/06 15:47	04/19/06	6000		U
NI-63	2013	3.60E+03	1.86E+02	7.04E+01	pCi/L		100	ml		04/21/06	3.69	M	+
SR-90	2019	9.35E+01	1.24E+00	3.67E-01	pCi/L		450	ml	04/07/06 15:47	04/26/06	800	M	+
TOTAL SR	2019	8.06E+01	1.66E+00	5.91E-01	pCi/L		450	ml	04/07/06 15:47	04/19/06	300	M	+
TC-99	2021	-2.80E+01	3.33E+01	5.52E+01	pCi/L	R1	100	ml		04/30/06	100	M	U
BE-7	2007	-5.35E+02	1.33E+03	2.16E+03	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
K-40	2007	-3.35E+02	2.17E+02	3.76E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
CR-51	2007	-2.06E+02	1.06E+03	1.72E+03	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
MN-54	2007	-1.15E+01	2.11E+01	3.19E+01	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
CO-57	2007	-1.79E+01	6.64E+01	1.10E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
CO-58	2007	-3.18E+00	2.21E+01	3.57E+01	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
FE-59	2007	1.60E+01	4.84E+01	8.37E+01	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
CO-60	2007	4.02E+01	1.60E+01	2.71E+01	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	+
ZN-65	2007	3.50E+01	4.49E+01	8.32E+01	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
NB-94	2007	-1.19E+01	1.76E+01	2.55E+01	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
NB-95	2007	-1.07E+00	2.33E+01	3.84E+01	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
ZR-95	2007	-7.79E+00	4.15E+01	6.72E+01	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
MO-99	2007	8.57E+02	1.83E+03	3.23E+03	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
RU-103	2007	1.01E+02	1.36E+02	2.24E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
RU-106	2007	1.61E+02	7.04E+02	1.17E+03	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
AG-110M	2007	4.40E+04	4.99E+02	1.15E+03	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U*
SB-124	2007	-2.88E+00	9.44E+01	1.31E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
SB-125	2007	9.89E+01	3.90E+02	6.44E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
I-131	2007	-1.64E+02	2.59E+02	4.26E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U
CS-134	2007	2.18E+01	8.68E+01	1.23E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	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

Report of Analysis

05/02/06 09:05

L28281

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-070		Collect Start: 04/07/2006 15:47				Matrix: Water				(WO)				
Station: MW-42 43 FT		Collect Stop:				Volume:								
Description: MW-42 43 FT		Receive Date: 04/12/2006				% Moisture:								
LIMS Number: L28281-2														
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
CS-137	2007	5.00E+04	5.62E+02	1.21E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	+	Yes
BA-140	2007	2.18E+02	5.64E+02	9.48E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U	No
LA-140	2007	1.03E+01	3.98E+01	6.96E+01	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U	No
CE-141	2007	-1.21E+02	1.42E+02	2.32E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U	No
CE-144	2007	-3.71E+01	5.30E+02	8.79E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U	No
EU-154	2007	-1.52E+01	1.38E+02	2.29E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U	No
RA-226	2007	1.38E+03	2.08E+03	3.42E+03	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U	No
TH-228	2007	5.90E+01	1.66E+02	2.77E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U	No
TH-232	2007	2.74E+01	7.76E+01	1.40E+02	pCi/L		946.83	ml	04/07/06 15:47	04/17/06	1800	Sec	U	No
AM-241 (AS)	2001	3.09E-02	5.02E-02	6.51E-02	pCi/L		200	ml		04/20/06	60000	sec	U	
CM-242 (AS)	2001	7.69E-03	2.49E-02	3.22E-02	pCi/L		.2	l		04/20/06	60000	sec	U	
CM-243/244 (AS)	2001	3.58E-03	2.61E-02	4.56E-02	pCi/L		.2	l		04/20/06	60000	sec	U	
NP-237 (AS)	2001	2.57E-03	9.58E-02	1.90E-01	pCi/L		.2	l		04/20/06	60005	sec	U	
PU-238 (AS)	2001	-6.03E-02	6.76E-02	1.86E-01	pCi/L		200	ml		04/20/06	60005	sec	U	
PU-239/240 (AS)	2001	-1.84E-02	4.46E-02	1.14E-01	pCi/L		200	ml		04/20/06	60005	sec	U	
PU-241	2001	-3.95E+00	4.85E+00	8.23E+00	pCi/L		200	ml		04/26/06	100	M	U	
PU-242 (AS)	2001	3.32E-02	6.23E-02	8.07E-02	pCi/L		200	ml		04/20/06	60005	sec	U	
U-233/234 (AS)	2001	1.42E+00	3.45E-01	1.71E-01	pCi/L		.2	l		04/20/06	60001	sec	+	
U-235 (AS)	2001	1.39E-02	4.52E-02	5.86E-02	pCi/L		.2	l		04/20/06	60001	sec	U	
U-238 (AS)	2001	1.53E+00	3.54E-01	1.25E-01	pCi/L		.2	l		04/20/06	60001	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

05/02/06 09:05

L28281

Entergy Nuclear Northeast

EN002-3P50IP3-04



TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-071		Collect Start: 04/07/2006 15:00				Matrix: Water				(WO)			
Station: MW-42 45.5 FT		Collect Stop:				Volume:							
Description: MW-42 45.5 FT		Receive Date: 04/12/2006				% Moisture:							
LIMS Number: L28281-3													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
C-14	032-82	5.11E+00	1.06E+01	1.79E+01	pCi/L		100	ml		04/21/06	73.88	M	U
FE-55	2006	-3.63E+02	1.12E+02	1.57E+02	pCi/L		200	ml	04/07/06 15:00	04/21/06	2700		U No
H-3	2010	2.51E+03	5.22E+02	7.32E+02	pCi/L		2	ml		04/23/06	100	M	+
NI-59	2013	1.44E+02	1.24E+02	2.09E+02	pCi/L		100	ml	04/07/06 15:00	04/19/06	6000		U No
NI-63	2013	4.73E+03	2.42E+02	8.06E+01	pCi/L		100	ml		04/21/06	2.87	M	+
SR-90	2019	1.10E+02	1.55E+00	4.40E-01	pCi/L		450	ml	04/07/06 15:00	04/26/06	800	M	+
TOTAL SR	2019	1.05E+02	2.12E+00	6.43E-01	pCi/L		450	ml	04/07/06 15:00	04/19/06	300	M	+
TC-99	2021	-8.60E+00	1.83E+01	3.02E+01	pCi/L	R1	100	ml		04/30/06	100	M	U Spec
BE-7	2007	8.39E+02	1.45E+03	2.43E+03	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
K-40	2007	-1.36E+02	2.55E+02	4.89E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
CR-51	2007	-5.91E+02	1.22E+03	1.99E+03	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
MN-54	2007	1.55E+01	2.03E+01	3.73E+01	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
CO-57	2007	-5.21E+01	8.80E+01	1.45E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
CO-58	2007	8.79E+00	2.40E+01	4.16E+01	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
FE-59	2007	1.49E+00	4.41E+01	7.35E+01	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
CO-60	2007	5.97E+01	2.58E+01	5.97E+01	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U Yes
ZN-65	2007	7.25E+01	5.35E+01	1.05E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
NB-94	2007	-1.73E+00	2.05E+01	3.29E+01	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
NB-95	2007	1.79E+01	2.42E+01	4.38E+01	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
ZR-95	2007	-8.65E+00	3.60E+01	5.72E+01	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
MO-99	2007	1.46E+03	1.88E+03	3.45E+03	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
RU-103	2007	5.11E+01	1.49E+02	2.48E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
RU-106	2007	1.93E+02	8.42E+02	1.39E+03	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
AG-110M	2007	3.86E+04	4.87E+02	1.11E+03	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U* No
SB-124	2007	-6.42E+01	9.47E+01	1.52E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
SB-125	2007	-2.54E+02	4.46E+02	7.17E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
I-131	2007	-4.35E+01	2.96E+02	4.83E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No
CS-134	2007	-3.67E+00	8.51E+01	1.39E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U No

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

Report of Analysis

05/02/06 09:05

L28281

Entergy Nuclear Northeast

EN002-3P50IP3-04

Floyd Hood, Chem

Sample ID: IP3-06-071					Collect Start: 04/07/2006 15:00					Matrix: Water					(WO)	
Station: MW-42 45.5 FT					Collect Stop:					Volume:						
Description: MW-42 45.5 FT					Receive Date: 04/12/2006					% Moisture:						
LIMS Number: L28281-3																
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
CS-137	2007	4.73E+04	5.63E+02	1.25E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	+	Yes		
BA-140	2007	5.26E+02	6.41E+02	1.08E+03	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U	No		
LA-140	2007	5.45E+00	2.61E+01	4.62E+01	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U	No		
CE-141	2007	4.95E+01	1.78E+02	2.94E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U	No		
CE-144	2007	6.77E+02	6.81E+02	1.14E+03	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U	No		
EU-154	2007	4.47E+01	1.81E+02	3.02E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U	No		
RA-226	2007	2.90E+03	2.42E+03	4.03E+03	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U	No		
TH-228	2007	-4.47E+01	1.96E+02	3.17E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U	No		
TH-232	2007	-3.39E+01	8.19E+01	1.31E+02	pCi/L		1019.4	ml	04/07/06 15:00	04/17/06	1800	Sec	U	No		
AM-241 (AS)	2001	4.21E-02	5.47E-02	6.41E-02	pCi/L		200	ml		04/20/06	60000	sec	U			
CM-242 (AS)	2001	3.48E-02	4.03E-02	1.70E-02	pCi/L		.2	l		04/20/06	60000	sec	U			
CM-243/244 (AS)	2001	5.78E-02	5.18E-02	1.70E-02	pCi/L		.2	l		04/20/06	60000	sec	U			
NP-237 (AS)	2001	-4.92E-02	6.72E-02	1.91E-01	pCi/L		.2	l		04/20/06	60001	sec	U			
PU-238 (AS)	2001	3.33E-02	9.36E-02	1.54E-01	pCi/L		200	ml		04/20/06	60001	sec	U			
PU-239/240 (AS)	2001	4.90E-02	7.68E-02	8.25E-02	pCi/L		200	ml		04/20/06	60001	sec	U			
PU-241	2001	3.14E+00	5.07E+00	8.16E+00	pCi/L		200	ml		04/26/06	100	M	U			
PU-242 (AS)	2001	-2.21E-02	2.57E-02	1.01E-01	pCi/L		200	ml		04/20/06	60001	sec	U			
U-233/234 (AS)	2001	1.39E+00	2.58E-01	8.00E-02	pCi/L		.2	l		04/20/06	60004	sec	+			
U-235 (AS)	2001	2.49E-02	4.67E-02	6.05E-02	pCi/L		.2	l		04/20/06	60004	sec	U			
U-238 (AS)	2001	1.37E+00	2.56E-01	8.00E-02	pCi/L		.2	l		04/20/06	60004	sec	+			

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
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MDC - Minimum Detectable Concentration

Report of Analysis

05/02/06 09:05



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

L28281

Entergy Nuclear Northeast

EN002-3P50IP3-04

Floyd Hood, Chem

Sample ID: IP3-06-072		Collect Start: 04/07/2006 12:15				Matrix: Water				(WO)			
Station: MW-42 48 FT		Collect Stop:				Volume:							
Description: MW-42 48 FT		Receive Date: 04/12/2006				% Moisture:							
LIMS Number: L28281-4													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
C-14	032-82	9.24E-01	1.01E+01	1.70E+01	pCi/L		100	ml		04/21/06	78.14	M	U
FE-55	2006	-2.69E+02	1.12E+02	1.64E+02	pCi/L		200	ml	04/07/06 12:15	04/21/06	2700		U
H-3	2010	3.98E+03	5.62E+02	7.30E+02	pCi/L		2	ml		04/23/06	100	M	+
NI-59	2013	-4.20E+00	9.28E+01	1.51E+02	pCi/L		100	ml	04/07/06 12:15	04/19/06	6000		U
NI-63	2013	5.12E+03	2.61E+02	8.35E+01	pCi/L		100	ml		04/21/06	2.65	M	+
TOTAL SR(SOLUBLE)	2019	7.14E+01	1.59E+00	5.66E-01	pCi/L		450	ml	04/07/06 12:15	04/19/06	300	M	+
SR-90 (SOLUBLE)	2019	7.37E+01	1.07E+00	3.39E-01	pCi/L		450	ml	04/07/06 12:15	04/26/06	800	M	+
TOTAL SR(INSOLUBLE)	2019	-1.05E-01	6.29E-01	9.34E-01	pCi/L		450	ml	04/07/06 12:15	04/19/06	300	M	U
SR-90 (INSOLUBLE)	2019	9.42E-01	3.80E-01	5.70E-01	pCi/L		450	ml	04/07/06 12:15	04/26/06	800	M	+
TC-99	2021	3.18E+01	2.30E+01	3.78E+01	pCi/L	R1	100	ml		04/30/06	87.8	M	U
BE-7	2007	-8.01E+02	1.72E+03	2.77E+03	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
K-40	2007	5.62E+02	3.04E+02	6.71E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
CR-51	2007	8.17E+01	1.34E+03	2.22E+03	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
MN-54	2007	1.94E+00	2.51E+01	4.22E+01	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
CO-57	2007	8.24E+01	9.12E+01	1.54E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
CO-58	2007	-3.09E+01	2.69E+01	3.49E+01	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
FE-59	2007	-4.25E+01	4.59E+01	5.38E+01	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
CO-60	2007	5.36E+01	3.10E+01	6.72E+01	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
ZN-65	2007	8.39E+01	6.44E+01	1.28E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
NB-94	2007	3.01E+01	2.36E+01	4.59E+01	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
NB-95	2007	2.28E+00	2.87E+01	4.72E+01	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
ZR-95	2007	2.13E+01	4.68E+01	8.20E+01	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
MO-99	2007	5.33E+01	2.36E+03	3.85E+03	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
RU-103	2007	-1.26E+02	1.70E+02	2.79E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
RU-106	2007	-2.46E+02	9.69E+02	1.58E+03	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
AG-110M	2007	4.72E+04	6.19E+02	1.42E+03	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U*
SB-124	2007	6.54E+00	1.08E+02	1.79E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U
SB-125	2007	-5.46E+02	5.05E+02	8.07E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	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
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- 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

05/02/06 09:05

L28281

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-072		Collect Start: 04/07/2006 12:15						Matrix: Water		(WO)				
Station: MW-42 48 FT		Collect Stop:						Volume:						
Description: MW-42 48 FT		Receive Date: 04/12/2006						% Moisture:						
LIMS Number: L28281-4														
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
I-131	2007	2.36E+01	3.41E+02	5.61E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U	No
CS-134	2007	-6.03E+01	9.88E+01	1.59E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U	No
CS-137	2007	5.31E+04	6.81E+02	1.46E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	+	Yes
BA-140	2007	2.11E+02	7.50E+02	1.25E+03	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U	No
LA-140	2007	2.18E+01	4.83E+01	8.94E+01	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U	No
CE-141	2007	-2.08E+02	1.87E+02	3.03E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U	No
CE-144	2007	-2.24E+02	7.02E+02	1.16E+03	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U	No
EU-154	2007	1.49E+02	1.88E+02	3.17E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U	No
RA-226	2007	2.95E+03	2.63E+03	4.38E+03	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U	No
TH-228	2007	-4.14E+01	2.13E+02	3.44E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U	No
TH-232	2007	-6.37E+01	9.71E+01	1.46E+02	pCi/L		983.68	ml	04/07/06 12:15	04/17/06	1800	Sec	U	No
AM-241 (AS)	2001	2.19E-02	5.08E-02	7.47E-02	pCi/L		200	ml		04/20/06	60007	sec	U	
CM-242 (AS)	2001	7.64E-02	6.71E-02	3.70E-02	pCi/L		.2	l		04/20/06	60007	sec	U	
CM-243/244 (AS)	2001	-6.36E-03	5.52E-02	1.17E-01	pCi/L		.2	l		04/20/06	60007	sec	U	
NP-237 (AS)	2001	4.93E-02	8.10E-02	1.14E-01	pCi/L		.2	l		04/20/06	60000	sec	U	
PU-238 (AS)	2001	-5.04E-02	7.07E-02	1.81E-01	pCi/L		200	ml		04/20/06	60000	sec	U	
PU-239/240 (AS)	2001	2.50E-02	5.79E-02	8.51E-02	pCi/L		200	ml		04/20/06	60000	sec	U	
PU-241	2001	6.67E+00	5.28E+00	8.33E+00	pCi/L		200	ml		04/26/06	100	M	U	
PU-242 (AS)	2001	2.56E-02	4.52E-02	4.26E-02	pCi/L		200	ml		04/20/06	60000	sec	U	
U-233/234 (AS)	2001	1.48E+00	2.46E-01	7.19E-02	pCi/L		.2	l		04/20/06	60002	sec	+	
U-235 (AS)	2001	7.18E-02	5.78E-02	2.97E-02	pCi/L		.2	l		04/20/06	60002	sec	U	
U-238 (AS)	2001	1.41E+00	2.40E-01	8.65E-02	pCi/L		.2	l		04/20/06	60002	sec	+	

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

Report of Analysis

05/02/06 09:05

L28281

Entergy Nuclear Northeast

EN002-3P50IP3-04



TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-073	Collect Start: 04/07/2006 17:52	Matrix: Water	(WO)
Station: MW-42 51 FT	Collect Stop:	Volume:	
Description: MW-42 51 FT	Receive Date: 04/12/2006	% Moisture:	
LIMS Number: L28281-5			

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
C-14	032-82	4.53E+00	2.48E+01	4.16E+01	pCi/L		100	ml		04/21/06	78.71	M	U
FE-55	2006	-3.34E+02	7.54E+01	1.08E+02	pCi/L		200	ml	04/07/06 17:52	04/21/06	6000		U No
H-3	2010	2.51E+03	5.25E+02	7.37E+02	pCi/L		2	ml		04/23/06	100	M	+
NI-59	2013	1.91E+02	1.28E+02	2.18E+02	pCi/L		100	ml	04/07/06 17:52	04/19/06	6000		U No
NI-63	2013	2.22E+03	1.17E+02	5.84E+01	pCi/L		100	ml		04/21/06	6.5	M	+
TOTAL SR(SOLUBLE)	2019	8.21E+01	1.64E+00	4.97E-01	pCi/L		450	ml	04/07/06 17:52	04/19/06	300	M	+
SR-90 (SOLUBLE)	2019	1.09E+02	1.44E+00	4.09E-01	pCi/L		450	ml	04/07/06 17:52	04/26/06	800	M	+
TOTAL SR(INSOLUBLE)	2019	1.27E+00	5.77E-01	7.70E-01	pCi/L		450	ml	04/07/06 17:52	04/19/06	300	M	+
SR-90 (INSOLUBLE)	2019	1.89E+00	3.81E-01	5.17E-01	pCi/L		450	ml	04/07/06 17:52	04/26/06	800	M	+
TC-99	2021	-1.75E+00	2.27E+01	3.73E+01	pCi/L	R1	100	ml		04/30/06	97.46	M	U Spec
BE-7	2007	2.35E+02	1.10E+03	1.80E+03	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
K-40	2007	1.05E+02	1.75E+02	3.62E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
CR-51	2007	3.92E+02	8.59E+02	1.40E+03	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
MN-54	2007	-3.33E-01	1.38E+01	2.26E+01	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
CO-57	2007	2.84E+01	5.28E+01	8.85E+01	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
CO-58	2007	-4.16E+00	1.45E+01	2.33E+01	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
FE-59	2007	-2.52E+00	3.01E+01	4.91E+01	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
CO-60	2007	8.81E+01	1.68E+01	1.97E+01	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U + Yes
ZN-65	2007	2.67E+01	3.22E+01	5.73E+01	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
NB-94	2007	6.16E+00	1.20E+01	2.04E+01	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
NB-95	2007	2.30E+01	1.50E+01	2.81E+01	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
ZR-95	2007	-2.43E+01	2.57E+01	3.88E+01	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
MO-99	2007	8.61E+01	1.07E+03	1.79E+03	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
RU-103	2007	-7.90E+01	1.11E+02	1.80E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
RU-106	2007	-7.72E+01	5.65E+02	9.27E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
AG-110M	2007	7.13E+04	4.16E+02	9.57E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U* No
SB-124	2007	-1.32E+02	6.39E+01	1.02E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U No
SB-125	2007	-5.84E+01	3.20E+02	5.26E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	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)
- 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.

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MDC - Minimum Detectable Concentration

Report of Analysis

05/02/06 09:05

L28281

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-073		Collect Start: 04/07/2006 17:52				Matrix: Water				(WO)				
Station: MW-42 51 FT		Collect Stop:				Volume:								
Description: MW-42 51 FT		Receive Date: 04/12/2006				% Moisture:								
LIMS Number: L28281-5														
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
I-131	2007	-9.44E+01	2.09E+02	3.47E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U	No
CS-134	2007	-3.22E+01	5.74E+01	9.37E+01	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U	No
CS-137	2007	8.11E+04	4.72E+02	1.01E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	+	Yes
BA-140	2007	-5.77E+01	4.57E+02	7.60E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U	No
LA-140	2007	-4.17E+00	2.26E+01	3.62E+01	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U	No
CE-141	2007	-5.56E+00	1.11E+02	1.84E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U	No
CE-144	2007	1.01E+02	4.17E+02	6.94E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U	No
EU-154	2007	5.83E+01	1.09E+02	1.83E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U	No
RA-226	2007	3.17E+03	1.68E+03	2.77E+03	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U*	No
TH-228	2007	5.61E+01	1.31E+02	2.18E+02	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U	No
TH-232	2007	3.33E+01	4.98E+01	9.05E+01	pCi/L		995.92	ml	04/07/06 17:52	04/17/06	3989	Sec	U	No
AM-241 (AS)	2001	2.39E-02	4.53E-02	6.48E-02	pCi/L		200	ml		04/21/06	60000	sec	U	
CM-242 (AS)	2001	6.85E-03	2.22E-02	2.87E-02	pCi/L		.2	l		04/21/06	60000	sec	U	
CM-243/244 (AS)	2001	3.82E-02	4.25E-02	2.87E-02	pCi/L		.2	l		04/21/06	60000	sec	U	
NP-237 (AS)	2001	-1.54E-02	5.30E-02	1.29E-01	pCi/L		.2	l		04/20/06	60006	sec	U	
PU-238 (AS)	2001	-6.66E-03	1.34E-02	5.27E-02	pCi/L		200	ml		04/20/06	60006	sec	U	
PU-239/240 (AS)	2001	1.84E-02	5.90E-02	9.13E-02	pCi/L		200	ml		04/20/06	60006	sec	U	
PU-241	2001	-2.70E+00	4.86E+00	8.17E+00	pCi/L		200	ml		04/26/06	100	M	U	
PU-242 (AS)	2001	1.92E-02	3.85E-02	2.83E-02	pCi/L		200	ml		04/20/06	60006	sec	U	
U-233/234 (AS)	2001	2.01E+00	2.96E-01	7.00E-02	pCi/L		.2	l		04/20/06	60001	sec	+	
U-235 (AS)	2001	4.80E-02	5.11E-02	4.33E-02	pCi/L		.2	l		04/20/06	60001	sec	U	
U-238 (AS)	2001	1.57E+00	2.58E-01	6.55E-02	pCi/L		.2	l		04/20/06	60001	sec	+	

Flag Values

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MDC - Minimum Detectable Concentration

Report of Analysis

05/02/06 09:05

L28281

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-074		Collect Start: 04/07/2006 17:58							Matrix: Water		(WO)			
Station: MW-42 78 FT		Collect Stop:							Volume:					
Description: MW-42 78 FT		Receive Date: 04/12/2006							% Moisture:					
LIMS Number: L28281-6														
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
C-14	032-82	2.50E+00	5.05E+00	8.48E+00	pCi/L		100	ml		04/22/06	76.63	M	U	
FE-55	2006	1.16E+02	8.40E+01	1.29E+02	pCi/L		200	ml	04/07/06 17:58	04/21/06	4269		U No	
H-3	2010	7.92E+02	4.69E+02	7.30E+02	pCi/L		2	ml		04/23/06	100	M	+ .	
NI-59	2013	1.20E+02	8.96E+01	1.30E+02	pCi/L		100	ml	04/07/06 17:58	04/20/06	7232		U No	
NI-63	2013	3.66E+01	9.27E+00	1.43E+01	pCi/L		100	ml		04/21/06	90.28	M	+ .	
SR-90	2019	1.03E-01	2.45E-01	3.98E-01	pCi/L		450	ml	04/07/06 17:58	04/26/06	800	M	U	
TOTAL SR	2019	1.44E-01	3.93E-01	5.70E-01	pCi/L		450	ml	04/07/06 17:58	04/19/06	300	M	U	
TC-99	2021	-3.86E+01	2.36E+02	3.89E+02	pCi/L	R1	100	ml		04/30/06	98.05	M	U Spec	
BE-7	2007	2.07E+02	2.25E+02	3.87E+02	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
K-40	2007	2.82E+02	2.05E+02	4.38E+02	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
CR-51	2007	-2.62E+01	2.08E+02	3.40E+02	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
MN-54	2007	9.30E+00	1.41E+01	2.48E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
CO-57	2007	2.81E+00	1.65E+01	2.75E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
CO-58	2007	-1.38E+01	1.61E+01	2.43E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
FE-59	2007	2.33E+01	3.28E+01	5.85E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
CO-60	2007	-2.34E+00	1.57E+01	2.51E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
ZN-65	2007	8.21E+01	4.06E+01	7.32E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U* No	
NB-94	2007	5.41E+00	1.39E+01	2.35E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
NB-95	2007	1.61E+01	1.74E+01	3.10E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
ZR-95	2007	7.19E+00	2.78E+01	4.71E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
MO-99	2007	9.49E+02	1.21E+03	2.15E+03	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
RU-103	2007	2.95E+00	2.63E+01	4.38E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
RU-106	2007	-2.61E+01	1.96E+02	2.93E+02	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
AG-110M	2007	1.62E+03	6.86E+01	1.55E+02	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U* No	
SB-124	2007	-1.24E+01	2.44E+01	3.19E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
SB-125	2007	-2.02E+01	7.38E+01	1.19E+02	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
I-131	2007	2.62E+01	5.03E+01	8.41E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U No	
CS-134	2007	4.02E+01	2.48E+01	3.88E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U* No	

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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Bolded text indicates reportable value.

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

MDC - Minimum Detectable Concentration

Report of Analysis

05/02/06 09:05

L28281

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-074		Collect Start: 04/07/2006 17:58							Matrix: Water		(WO)			
Station: MW-42 78 FT		Collect Stop:							Volume:					
Description: MW-42 78 FT		Receive Date: 04/12/2006							% Moisture:					
LIMS Number: L28281-6														
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
CS-137	2007	1.98E+03	7.93E+01	3.13E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	+	Yes
BA-140	2007	1.46E+01	1.18E+02	1.95E+02	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U	No
LA-140	2007	1.13E+01	2.96E+01	5.14E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U	No
CE-141	2007	2.25E+01	3.46E+01	5.84E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U	No
CE-144	2007	-1.20E+01	1.27E+02	2.10E+02	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U	No
EU-154	2007	-5.87E-01	3.40E+01	5.64E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U	No
RA-226	2007	2.44E+02	4.65E+02	7.82E+02	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U	No
TH-228	2007	5.55E+01	3.74E+01	6.42E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U	No
TH-232	2007	-1.33E+01	5.91E+01	9.80E+01	pCi/L		996.19	ml	04/07/06 17:58	04/17/06	4068	Sec	U	No
AM-241 (AS)	2001	2.42E-02	3.42E-02	3.90E-02	pCi/L		200	ml		04/20/06	60001	sec	U	
CM-242 (AS)	2001	2.66E-02	3.86E-02	4.98E-02	pCi/L		.2	l		04/20/06	60001	sec	U	
CM-243/244 (AS)	2001	1.84E-02	3.48E-02	4.98E-02	pCi/L		.2	l		04/20/06	60001	sec	U	
NP-237 (AS)	2001	-1.18E-02	6.54E-02	1.41E-01	pCi/L		.2	l		04/20/06	60007	sec	U	
PU-238 (AS)	2001	2.41E-02	5.47E-02	8.45E-02	pCi/L		200	ml		04/20/06	60007	sec	U	
PU-239/240 (AS)	2001	-5.25E-04	2.93E-02	5.98E-02	pCi/L		200	ml		04/20/06	60007	sec	U	
PU-241	2001	-9.74E-01	5.00E+00	8.29E+00	pCi/L		200	ml		04/26/06	100	M	U	
PU-242 (AS)	2001	-1.36E-02	3.30E-02	8.45E-02	pCi/L		200	ml		04/20/06	60007	sec	U	
U-233/234 (AS)	2001	1.77E+00	2.71E-01	5.38E-02	pCi/L		.2	l		04/20/06	60001	sec	+	
U-235 (AS)	2001	8.28E-02	6.18E-02	2.97E-02	pCi/L		.2	l		04/20/06	60001	sec	U	
U-238 (AS)	2001	1.69E+00	2.65E-01	8.67E-02	pCi/L		.2	l		04/20/06	60001	sec	+	

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

04/13/06 11:25

Teledyne Brown Engineering
Sample Receipt Verification/Variance Report

SR #: SR07829

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

LIMS #: L28281

Initiated By: PMARSHALL

Init Date: 04/13/06 Receive Date: 04/13/06

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

Indian Point Energy Center

Entergy Nuclear Operations, Inc.
Sample Collection/Receipt Sheet

✓ L28281
P-4A

unit yr id# format (IPX-XX-XXX) Teledyne Sample #	Sample ID	Sample Type	Start date	Start time	Stop date	Stop time	Volume or Area	Analysis	Comments	Sample Size Units	Plant Code
IP3-06-069	MW-42, 41' depth	GW	7-Apr-06	16:50			1.000E+00	SR-90, NI-63, FE-55, H-3, C-14, GELI, Tc-99, Np-237, Am-241, Pu-241, Pu-242, Pu-iso, Cm-iso, U-iso, Ni-59	Count to Enviromental LLDs: RUSH	GAL	EN002-3P50IP3-04
IP3-06-070	MW-42, 43' depth	GW	7-Apr-06	15:47			1.000E+00	SR-90, NI-63, FE-55, H-3, C-14, GELI, Tc-99, Np-237, Am-241, Pu-241, Pu-242, Pu-iso, Cm-iso, U-iso, Ni-59	Count to Enviromental LLDs: RUSH	GAL	EN002-3P50IP3-04
IP3-06-071	MW-42, 45.5' depth	GW	7-Apr-06	15:00			1.000E+00	SR-90, NI-63, FE-55, H-3, C-14, GELI, Tc-99, Np-237, Am-241, Pu-241, Pu-242, Pu-iso, Cm-iso, U-iso, Ni-59	Count to Enviromental LLDs: RUSH	GAL	EN002-3P50IP3-04
IP3-06-072	MW-42, 48' depth	GW	7-Apr-06	12:15			1.000E+00	SR-90, NI-63, FE-55, H-3, C-14, GELI, Tc-99, Np-237, Am-241, Pu-241, Pu-242, Pu-iso, Cm-iso, U-iso, Ni-59	Count to Enviromental LLDs: RUSH	GAL	EN002-3P50IP3-04
IP3-06-073	MW-42, 51' depth, high flow	GW	7-Apr-06	17:52			1.000E+00	SR-90, NI-63, FE-55, H-3, C-14, GELI, Tc-99, Np-237, Am-241, Pu-241, Pu-242, Pu-iso, Cm-iso, U-iso, Ni-59	Count to Enviromental LLDs: RUSH	GAL	EN002-3P50IP3-04
IP3-06-074	MW-42, 78' depth	GW	7-Apr-06	17:58			1.000E+00	SR-90, NI-63, FE-55, H-3, C-14, GELI, Tc-99, Np-237, Am-241, Pu-241, Pu-242, Pu-iso, Cm-iso, U-iso, Ni-59	Count to Enviromental LLDs: RUSH	GAL	EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04

Collected by:

Shipped by:

received by:

IP3

Pat Marshall
4/12/06

Count to Envirmental LLDs

Rush sample results



**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

Report of Analysis/Certificate of Conformance

03/21/2006

LIMS #: L27966

Project ID#: EN002-3P50IP3-04

Received: 03/06/2006

Delivery Date: 03/20/2006

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)
IP3-06-033	L27966-1	MW-37 2 PIPE 22'
IP3-06-034	L27966-2	MW-37 2 PIPE 40'
IP3-06-035	L27966-3	MW-37 2 PIPE 32'
IP3-06-036	L27966-4	MW-37 2 PIPE 57'

Report of Analysis

03/21/06 11:20

L27966

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-033				Collect Start: 02/28/2006 10:20				Matrix: Liquid Radwaste				(LR)				
Station: MW-37 2 PIPE 22'				Collect Stop: 02/28/2006 10:20				Volume:								
Description:				Receive Date: 03/06/2006				% Moisture:								
LIMS Number: L27966-1																
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
H-3	2010	1.28E+04	1.35E+03		pCi/L		2	ml		03/08/06	30	M	+			
NI-63	2013	4.24E+01	9.85E+00		pCi/L		100	ml		03/20/06	100	M	+			
SR-90	2019	2.40E+00	6.07E-01		pCi/L		300	ml	02/28/06 10:20	03/21/06	400	M	+			
BE-7	2007	<		1.55E+02	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
K-40	2007	3.45E+02	1.88E+02		pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	+		Yes	
CR-51	2007	<		1.55E+02	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
MN-54	2007	<		1.80E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
CO-57	2007	<		1.12E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
CO-58	2007	<		1.75E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
FE-59	2007	<		3.78E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
CO-60	2007	<		1.77E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
ZN-65	2007	<		4.51E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U*		No	
NB-94	2007	<		1.80E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
NB-95	2007	<		1.92E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
ZR-95	2007	<		3.17E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
MO-99	2007	<		1.12E+03	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
RU-103	2007	<		1.88E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
RU-106	2007	<		1.60E+02	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
AG-110M	2007	<		1.78E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
SB-124	2007	<		1.93E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
SB-125	2007	<		4.59E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
I-131	2007	<		3.36E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
CS-134	2007	<		2.18E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U*		No	
CS-137	2007	<		1.95E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
BA-140	2007	<		9.31E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
LA-140	2007	<		3.04E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
CE-141	2007	<		2.48E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U		No	
CE-144	2007	<		9.11E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	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)
- High = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
- Spec = Activity concentration exceeds customer reporting value
- L = MDC exceeds customer technical specification
- H = 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.

Report of Analysis

03/21/06 11:20

L27966

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-033				Collect Start: 02/28/2006 10:20				Matrix: Liquid Radwaste				(LR)	
Station: MW-37 2 PIPE 22'				Collect Stop: 02/28/2006 10:20				Volume:					
Description:				Receive Date: 03/06/2006				% Moisture:					
LIMS Number: L27966-1													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
EU-154	2007	<		2.30E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U No
RA-226	2007	<		3.79E+02	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U No
TH-228	2007	2.94E+01	1.56E+01		pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	+ Yes
TH-232	2007	<		7.44E+01	pCi/L		277.08	ml	02/28/06 10:20	03/08/06	63020	Sec	U No
Comment: 1 MW-37 2 pipe 22'; RUSH													

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

Report of Analysis

03/21/06 11:20

L27966

Entergy Nuclear Northeast

EN002-3P50IP3-04

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-034

Station: MW-37 2 PIPE 40'

Description:

LIMS Number: L27966-2

Collect Start: 02/28/2006 11:40

Collect Stop: 02/28/2006 11:40

Receive Date: 03/06/2006

Matrix: Liquid Radwaste

(LR)

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
H-3	2010	1.47E+04	1.42E+03		pCi/L		2	ml		03/08/06	30	M	+
NI-63	2013	5.65E+01	1.10E+01		pCi/L		100	ml		03/20/06	100	M	+
SR-90	2019	3.86E+00	8.18E-01		pCi/L		300	ml	02/28/06 11:40	03/21/06	400	M	+
BE-7	2007	<		1.60E+02	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
K-40	2007	<		1.73E+02	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
CR-51	2007	<		1.60E+02	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
MN-54	2007	<		1.80E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
CO-57	2007	<		1.21E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
CO-58	2007	<		1.89E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
FE-59	2007	<		3.96E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
CO-60	2007	<		1.81E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
ZN-65	2007	<		5.27E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U*
NB-94	2007	<		1.71E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
NB-95	2007	<		2.09E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U*
ZR-95	2007	<		3.22E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
MO-99	2007	<		1.11E+03	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
RU-103	2007	<		1.88E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
RU-106	2007	<		1.61E+02	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
AG-110M	2007	<		1.73E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
SB-124	2007	<		2.04E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
SB-125	2007	<		4.93E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
I-131	2007	<		3.37E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
CS-134	2007	<		2.89E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U*
CS-137	2007	<		1.96E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
BA-140	2007	<		9.36E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
LA-140	2007	<		3.07E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
CE-141	2007	<		2.64E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U
CE-144	2007	<		9.90E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	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)
- High = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
- Spec = Activity concentration exceeds customer reporting value
- L = 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.

Report of Analysis

03/21/06 11:20

L27966

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-034				Collect Start: 02/28/2006 11:40				Matrix: Liquid Radwaste				(LR)	
Station: MW-37 2 PIPE 40'				Collect Stop: 02/28/2006 11:40				Volume:					
Description:				Receive Date: 03/06/2006				% Moisture:					
LIMS Number: L27966-2													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
EU-154	2007	<		2.54E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U No
RA-226	2007	<		3.35E+02	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U Yes
TH-228	2007	<		2.71E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U Yes
TH-232	2007	<		7.20E+01	pCi/L		273.85	ml	02/28/06 11:40	03/08/06	63020	Sec	U No
Comment: 1 MW-37 2 pipe 40';RUSH													

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

Report of Analysis

03/21/06 11:20

L27966

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-035

Station: MW-37 2 PIPE 32'

Description:

LIMS Number: L27966-3

Collect Start: 02/28/2006 12:00

Collect Stop: 02/28/2006 12:00

Receive Date: 03/06/2006

Matrix: Liquid Radwaste

(LR)

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
H-3	2010	2.86E+04	1.82E+03		pCi/L		2	ml		03/08/06	30	M	+
NI-63	2013	3.41E+01	9.73E+00		pCi/L		100	ml		03/20/06	100	M	+
SR-90	2019	1.82E+01	1.15E+00		pCi/L		300	ml	02/28/06 12:00	03/21/06	400	M	+
BE-7	2007	<		1.76E+02	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
K-40	2007	<		1.90E+02	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
CR-51	2007	<		1.83E+02	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
MN-54	2007	<		2.10E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
CO-57	2007	<		1.41E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
CO-58	2007	<		2.08E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
FE-59	2007	<		4.18E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
CO-60	2007	<		2.20E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
ZN-65	2007	<		5.43E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U*
NB-94	2007	<		1.97E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
NB-95	2007	<		2.18E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
ZR-95	2007	<		3.74E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
MO-99	2007	<		1.25E+03	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
RU-103	2007	<		2.16E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
RU-106	2007	<		1.81E+02	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
AG-110M	2007	<		1.95E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
SB-124	2007	<		2.19E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
SB-125	2007	<		5.49E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
I-131	2007	<		3.91E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
CS-134	2007	<		2.62E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U*
CS-137	2007	<		2.17E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
BA-140	2007	<		1.07E+02	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
LA-140	2007	<		3.68E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
CE-141	2007	<		2.93E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U
CE-144	2007	<		1.10E+02	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	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)
- High = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
- Spec = Activity concentration exceeds customer reporting value
- L = 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

03/21/06 11:20

L27966

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-035				Collect Start: 02/28/2006 12:00				Matrix: Liquid Radwaste				(LR)	
Station: MW-37 2 PIPE 32'				Collect Stop: 02/28/2006 12:00				Volume:					
Description:				Receive Date: 03/06/2006				% Moisture:					
LIMS Number: L27966-3													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
EU-154	2007	<		2.93E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U No
RA-226	2007	<		4.10E+02	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U No
TH-228	2007	<		3.38E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U No
TH-232	2007	<		7.57E+01	pCi/L		281.58	ml	02/28/06 12:00	03/08/06	63020	Sec	U No
Comment: 1 MW-37 2 pipe 32'; RUSH													

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

Report of Analysis

03/21/06 11:20

L27966

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-036		Collect Start: 02/28/2006 13:35				Matrix: Liquid Radwaste (LR)							
Station: MW-37 2 PIPE 57'		Collect Stop: 02/28/2006 13:35				Volume:							
Description:		Receive Date: 03/06/2006				% Moisture:							
LIMS Number: L27966-4													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
H-3	2010	1.33E+04	1.37E+03		pCi/L		2	ml		03/08/06	30	M	+
NI-63	2013	2.91E+01	9.99E+00		pCi/L		100	ml		03/20/06	100	M	+
SR-90	2019	2.27E+01	1.33E+00		pCi/L		300	ml	02/28/06 13:35	03/21/06	400	M	+
BE-7	2007	<		2.11E+02	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
K-40	2007	<		2.19E+02	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
CR-51	2007	<		2.38E+02	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
MN-54	2007	<		2.29E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
CO-57	2007	<		2.51E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
CO-58	2007	<		2.38E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
FE-59	2007	<		4.35E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
CO-60	2007	<		2.14E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
ZN-65	2007	<		6.45E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U*
NB-94	2007	<		2.14E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
NB-95	2007	<		2.65E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U*
ZR-95	2007	<		4.27E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
MO-99	2007	<		1.39E+03	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
RU-103	2007	<		2.54E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
RU-106	2007	<		2.16E+02	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
AG-110M	2007	<		2.16E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
SB-124	2007	<		2.40E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
SB-125	2007	<		6.58E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
I-131	2007	<		4.92E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
CS-134	2007	<		3.23E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U*
CS-137	2007	<		2.44E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
BA-140	2007	<		1.22E+02	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
LA-140	2007	<		3.63E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
CE-141	2007	<		5.22E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U
CE-144	2007	<		1.99E+02	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	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)
- High = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
- Spec = Activity concentration exceeds customer reporting value
- L = MDC exceeds customer technical specification
- L = Low recovery
- H = High recovery

Blanked 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

03/21/06 11:20

L27966

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-036				Collect Start: 02/28/2006 13:35				Matrix: Liquid Radwaste				(LR)		
Station: MW-37 2 PIPE 57'				Collect Stop: 02/28/2006 13:35				Volume:						
Description:				Receive Date: 03/06/2006				% Moisture:						
LIMS Number: L27966-4														
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
EU-154	2007	<		5.26E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U	No
RA-226	2007	<		6.12E+02	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U	Yes
TH-228	2007	1.01E+02	2.99E+01		pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	+	Yes
TH-232	2007	<		7.33E+01	pCi/L		277.95	ml	02/28/06 13:35	03/08/06	63020	Sec	U	Yes
Comment: 1 MW-37 2 pipe 57';RUSH														

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

03/07/06 08:16

Teledyne Brown Engineering
Sample Receipt Verification/Variance Report

SR #: SR07283

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

LIMS #: L27966

Initiated By: PMARSHALL

Init Date: 03/06/06 Receive Date: 03/06/06

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	

Indian Point 3
Air Particulates and Air Iodine Samples

Entergy Nuclear Operations, Inc.
Sample Collection/Receipt Sheet

L27966
P-ID

unit, yr id# format (IPX-XX-XXX) Teledyne Sample #	Sample ID	Sample Type	Start date	Start time	Stop date	Stop time	Volume or Area	Analysis	Comments	Sample Size Units	Plant Code
IP3-06-033	W-37 2" pipe	GW	28-Feb-06	10:20			5.313E+02	SR-90, NI-63, H-3, GELI	MW-37 2" pipe 22'; RUSH	CC	EN002-3P50IP3-04
IP3-06-034	W-37 2" pipe	GW	28-Feb-06	11:40			4.997E+02	SR-90, NI-63, H-3, GELI	MW-37 2" pipe 40'; RUSH	CC	EN002-3P50IP3-04
IP3-06-035	W-37 2" pipe	GW	28-Feb-06	12:00			5.225E+02	SR-90, NI-63, H-3, GELI	MW-37 2" pipe 32'; RUSH	CC	EN002-3P50IP3-04
IP3-06-036	W-37 2" pipe	GW	28-Feb-06	13:35			5.252E+02	SR-90, NI-63, H-3, GELI	MW-37 2" pipe 57'; RUSH	CC	EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04

Collected by:

Shipped by:

Received by:

IP3

Pat Marshall
3/6/06

Count Sr-90 & Ni-63 to Environmental LLD

Tritium Levels Expected > 1000 pCi/L

RUSH SAMPLE RESULTS



**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

PRELIMINARY

Report of Analysis/Certificate of Conformance

05/17/2006

LIMS #: L28455

Project ID#: EN002-3P50IP3-04

Received: 05/01/2006

Delivery Date: 05/08/2006

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)
IP3-06-085	L28455-1	MW-U3-4D

Report of Analysis

05/17/06 13:03

L28455

Entergy Nuclear Northeast

EN002-3P50IP3-04

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-085

Station: MW-U3-4D

Description:

LIMS Number: L28455-1

Collect Start: 04/26/2006 14:20

Collect Stop:

Receive Date: 05/01/2006

Matrix: Ground Water

(WG)

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
H-3	2010	5.75E+02	1.46E+02	1.87E+02	pCi/L		10	ml		05/09/06	60	M	+
TOTAL SR	2018	-1.10E-01	4.68E-01	7.78E-01	pCi/L		450	ml	04/26/06 14:20	05/17/06	400	M	U
BE-7	2007	1.99E+01	4.91E+01	8.36E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
K-40	2007	3.22E+01	5.88E+01	7.31E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
CR-51	2007	-4.43E+01	5.68E+01	8.60E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
MN-54	2007	1.45E+00	4.64E+00	8.02E+00	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
CO-57	2007	4.88E-01	4.72E+00	7.88E+00	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
CO-58	2007	-2.59E+00	5.81E+00	9.06E+00	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
FE-59	2007	-3.12E+00	1.14E+01	1.80E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
CO-60	2007	-3.10E+00	5.47E+00	8.71E+00	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
ZN-65	2007	1.59E+01	1.29E+01	2.27E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
NB-94	2007	2.83E+00	4.89E+00	8.56E+00	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
NB-95	2007	2.46E+00	5.64E+00	9.68E+00	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
ZR-95	2007	-6.47E+00	1.08E+01	1.62E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
MO-99	2007	-2.96E+02	7.35E+02	1.13E+03	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
RU-103	2007	2.84E+00	5.99E+00	1.03E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
RU-106	2007	2.96E+01	4.43E+01	7.82E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
AG-110M	2007	8.85E-01	5.30E+00	8.87E+00	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
SB-124	2007	-8.14E+00	7.67E+00	8.95E+00	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
SB-125	2007	-4.78E+00	1.52E+01	2.43E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
I-131	2007	-2.96E+00	1.51E+01	2.48E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
CS-134	2007	1.80E+00	6.99E+00	1.01E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
CS-137	2007	-3.01E-01	5.58E+00	9.11E+00	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
BA-140	2007	8.06E+00	3.08E+01	5.15E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
LA-140	2007	8.57E-01	1.19E+01	1.97E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
CE-141	2007	-5.55E+00	1.07E+01	1.70E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
CE-144	2007	-6.22E+00	3.72E+01	6.08E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U
EU-154	2007	-4.13E+00	9.69E+00	1.57E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	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

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

05/17/06 13:03

L28455

Entergy Nuclear Northeast

Floyd Hood, Chem

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Sample ID: IP3-06-085		Collect Start: 04/26/2006 14:20				Matrix: Ground Water				(WG)	
Station: MW-U3-4D		Collect Stop:				Volume:					
Description:		Receive Date: 05/01/2006				% Moisture:					
LIMS Number: L28455-1											

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
RA-226	2007	-4.27E+01	1.27E+02	2.06E+02	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U	No
TH-228	2007	-8.73E+00	1.18E+01	1.65E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U	No
TH-232	2007	9.10E+00	2.09E+01	3.80E+01	pCi/L		3584.48	ml	04/26/06 14:20	05/08/06	3600	Sec	U	No

Comment:	1	Count to Enviromental LLDs; RUSH
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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

05/02/06 08:55

Teledyne Brown Engineering
Sample Receipt Verification/Variance Report

SR #: SR08118

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

LIMS #: L28455

Initiated By: PMARSHALL

Init Date: 05/01/06 Receive Date: 05/01/06

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

Indian Point Energy Center

Entergy Nuclear Operations, Inc.
Sample Collection/Receipt Sheet

L28455
P-8C1

unit yr id# format (IPX-XX-XXX) Teledyne Sample #	Sample ID	Sample Type	Start date	Start time	Stop date	Stop time	Volume or Area	Analysis	Comments	Sample Size Units	Plant Code
IP3-06-085	MW-U3-4D	WG	26-Apr-06	14:20			1.000E+00	SR-90, H-3, GELI, SR-FAST	Count to Environmental LLDs; RUSH	GAL	EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04
											EN002-3P50IP3-04

Collected by:

Shipped by:

Received by: *Pat Marshall* 5/1/06

Count to Envirmental LLDs;
Count H3 to 200 pCi/L

IP3

Rush sample results



**TELEDYNE
BROWN ENGINEERING, INC.**

A Teledyne Technologies Company

2508 Quality Lane
Knoxville, TN 37931-3133

L28182 1 of 11 Revised 05-24-06

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

REVISED
5-24-06

Report of Analysis/Certificate of Conformance

05/23/2006

LIMS #: L28182

Project ID#: EN002-3P501P3-04

Received: 03/31/2006

Delivery Date: 04/14/2006

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)
IP3-06-042	L28182-1	MW-50 42FT
IP3-06-043	L28182-2	MW-50 67FT
IP3-06-044	L28182-3	MW-49 42FT
IP3-06-045	L28182-4	MW-49 25FT
IP3-06-046	L28182-5	MW-49 65FT

Report of Analysis

05/23/06 10:18



TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company

REVISED
D-24-06

L28182

Entergy Nuclear Northeast

EN002-3P50IP3-04

Floyd Hood, Chem

Sample ID: IP3-06-042
Station: MW-50 42FT
Description:
LIMS Number: L28182-1

Collect Start: 03/22/2006 14:25
Collect Stop:
Receive Date: 03/31/2006

Matrix: Ground Water (WG)
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
H-3	2010	9.75E+03	3.85E+02	2.14E+02	pCi/L		10	ml		04/11/06	60	M	+
NI-63	2013	4.01E+00	8.96E+00	1.46E+01	pCi/L		100	ml		05/18/06	100	M	U
SR-90	2019	1.93E+01	7.48E-01	4.76E-01	pCi/L		450	ml	03/22/06 14:25	04/11/06	800	M	+
BE-7	2007	3.46E+01	6.75E+01	1.18E+02	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
K-40	2007	4.04E+01	1.22E+02	1.03E+02	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
CR-51	2007	6.54E+01	8.29E+01	1.47E+02	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
MN-54	2007	2.32E+00	6.48E+00	1.17E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
CO-57	2007	-6.34E+00	5.56E+00	8.89E+00	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
CO-58	2007	-7.01E+00	7.33E+00	1.17E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
FE-59	2007	-3.08E+00	1.41E+01	2.43E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
CO-60	2007	-5.74E-01	5.70E+00	1.02E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
ZN-65	2007	3.13E+01	1.49E+01	2.99E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U*
NB-94	2007	-3.42E+00	6.45E+00	1.08E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
NB-95	2007	5.13E+00	7.72E+00	1.39E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
ZR-95	2007	7.36E+00	1.34E+01	2.41E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
MO-99	2007	-3.22E+03	6.89E+03	1.15E+04	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
RU-103	2007	7.44E+00	8.95E+00	1.59E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
RU-106	2007	-4.30E+01	5.67E+01	9.40E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
AG-110M	2007	2.14E+00	6.26E+00	1.11E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
SB-124	2007	-3.99E+00	9.20E+00	1.30E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
SB-125	2007	8.01E+00	1.75E+01	3.06E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
I-131	2007	-1.50E+01	3.38E+01	5.69E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
CS-134	2007	1.49E+01	8.41E+00	1.39E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U*
CS-137	2007	-1.36E+00	6.60E+00	1.13E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
BA-140	2007	2.42E+01	6.39E+01	1.14E+02	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
LA-140	2007	-3.51E-01	1.84E+01	3.31E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
CE-141	2007	-2.52E+00	1.41E+01	2.40E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U
CE-144	2007	-2.55E+01	4.48E+01	7.27E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U

Flag Values

U = Compound/Analyte not detected or less than 3 sigma
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No = Peak not identified in gamma spectrum
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MDC - Minimum Detectable Concentration

Report of Analysis

05/23/06 10:18

REVISED
5-24-06
L28182

Entergy Nuclear Northeast

EN002-3P50IP3-04

Floyd Hood, Chem

Sample ID: IP3-06-042

Station: MW-50 42FT

Description:

LIMS Number: L28182-1

Collect Start: 03/22/2006 14:25

Collect Stop:

Receive Date: 03/31/2006

Matrix: Ground Water

(WG)

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
EU-154	2007	-1.12E+01	1.11E+01	1.79E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U No
RA-226	2007	1.26E+01	1.38E+02	2.31E+02	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U Yes
TH-228	2007	2.25E+01	1.53E+01	1.84E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U Yes
TH-232	2007	-1.34E+01	2.19E+01	3.76E+01	pCi/L		938.5	ml	03/22/06 14:25	04/11/06	11540	Sec	U No
AM-241 (AS)	2001	1.37E-01	1.36E-01	1.87E-01	pCi/L		200	ml		04/07/06	60008	sec	U
CM-242 (AS)	2001	1.17E-01	9.41E-02	4.78E-02	pCi/L		200	ml		04/07/06	60008	sec	U
CM-243/244 (AS)	2001	9.76E-02	9.55E-02	9.55E-02	pCi/L		200	ml		04/07/06	60008	sec	U
NP-237 (AS)	2001	-4.29E-02	5.01E-02	1.96E-01	pCi/L		200	ml		04/10/06	60000	sec	U
PU-238 (AS)	2001	2.47E-02	8.01E-02	1.04E-01	pCi/L		200	ml		04/10/06	60000	sec	U
PU-239/240 (AS)	2001	-1.57E-03	8.82E-02	1.80E-01	pCi/L		200	ml		04/10/06	60000	sec	U
PU-241	2001	1.96E+01	1.54E+01	2.42E+01	pCi/L		200	ml		04/12/06	100	M	U
PU-242 (AS)	2001	-3.93E-02	4.60E-02	1.80E-01	pCi/L		200	ml		04/10/06	60000	sec	U
U-233/234 (AS)	2001	8.33E-01	2.21E-01	8.77E-02	pCi/L		200	ml		04/06/06	60004	sec	+
U-235 (AS)	2001	1.05E-02	3.41E-02	4.43E-02	pCi/L		200	ml		04/06/06	60004	sec	U
U-238 (AS)	2001	7.51E-01	2.08E-01	7.16E-02	pCi/L		200	ml		04/06/06	60004	sec	+

Comment: 1 Ni-63 added per client request May 10

Flag Values

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MDC - Minimum Detectable Concentration

Report of Analysis

05/23/06 10:18

REVISED
5-24-06

L28182

Entergy Nuclear Northeast

EN002-3P50IP3-04

Floyd Hood, Chem

Sample ID: IP3-06-043		Collect Start: 03/22/2006 14:50				Matrix: Ground Water				(WG)			
Station: MW-50 67FT		Collect Stop:				Volume:							
Description:		Receive Date: 03/31/2006				% Moisture:							
LIMS Number: L28182-2													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
H-3	2010	6.81E+03	3.29E+02	2.13E+02	pCi/L		10	ml		04/11/06	60	M	+
NI-63	2013	5.33E+00	9.01E+00	1.47E+01	pCi/L		100	ml		05/19/06	100	M	U
SR-90	2019	2.55E+01	8.09E-01	4.90E-01	pCi/L		450	ml	03/22/06 14:50	04/11/06	800	M	+
BE-7	2007	3.08E+01	9.61E+01	1.60E+02	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
K-40	2007	5.14E+01	1.43E+02	1.70E+02	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
CR-51	2007	-1.36E+02	1.13E+02	1.71E+02	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
MN-54	2007	9.04E+00	6.94E+00	1.61E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
CO-57	2007	-5.91E-02	7.24E+00	1.21E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
CO-58	2007	-7.30E+00	1.12E+01	1.73E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
FE-59	2007	-9.13E+00	2.24E+01	3.51E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
CO-60	2007	-2.18E+00	1.12E+01	1.81E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
ZN-65	2007	7.99E+01	3.00E+01	5.47E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U*
NB-94	2007	-1.51E+01	1.04E+01	1.49E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
NB-95	2007	3.81E+00	5.87E+00	1.81E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
ZR-95	2007	-1.55E+01	2.14E+01	2.96E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
MO-99	2007	1.18E+03	2.58E+03	4.45E+03	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
RU-103	2007	3.26E+00	1.26E+01	2.09E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
RU-106	2007	-1.99E+00	9.48E+01	1.53E+02	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
AG-110M	2007	-3.30E-01	1.02E+01	1.66E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
SB-124	2007	-1.12E+01	1.49E+01	1.92E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
SB-125	2007	1.15E+01	2.80E+01	4.72E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
I-131	2007	2.10E+01	3.09E+01	5.34E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
CS-134	2007	4.82E+01	1.54E+01	2.63E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U*
CS-137	2007	-7.67E+00	1.07E+01	1.67E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
BA-140	2007	-1.13E+00	7.15E+01	1.19E+02	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
LA-140	2007	-6.34E+00	2.52E+01	4.03E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
CE-141	2007	-1.29E+01	1.86E+01	2.98E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U
CE-144	2007	-4.98E+01	6.18E+01	9.91E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	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)
- High = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
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- L = Low recovery
- H = High recovery

Bolded text indicates reportable value.

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MDC - Minimum Detectable Concentration

Report of Analysis

05/23/06 10:18



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

REVISED
5-24-06

L28182

Entergy Nuclear Northeast

EN002-3P50IP3-04

Floyd Hood, Chem

Sample ID: IP3-06-043			Collect Start: 03/22/2006 14:50			Matrix: Ground Water			(WG)				
Station: MW-50 67FT			Collect Stop:			Volume:							
Description:			Receive Date: 03/31/2006			% Moisture:							
LIMS Number: L28182-2													
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
EU-154	2007	-3.97E+00	1.52E+01	2.51E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U No
RA-226	2007	-1.90E+02	2.25E+02	3.75E+02	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U No
TH-228	2007	9.98E-03	1.57E+01	2.99E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U Yes
TH-232	2007	-9.73E-01	3.81E+01	6.55E+01	pCi/L		989.07	ml	03/22/06 14:50	04/05/06	6000	Sec	U No
AM-241 (AS)	2001	-6.47E-02	4.93E-02	1.93E-01	pCi/L		200	ml		04/07/06	60000	sec	U
CM-242 (AS)	2001	1.05E-01	1.24E-01	1.25E-01	pCi/L		200	ml		04/07/06	60000	sec	U
CM-243/244 (AS)	2001	4.24E-02	9.84E-02	1.45E-01	pCi/L		200	ml		04/07/06	60000	sec	U
NP-237 (AS)	2001	7.04E-02	1.33E-01	1.99E-01	pCi/L		200	ml		04/07/06	60001	sec	U
PU-238 (AS)	2001	5.61E-03	1.01E-01	1.96E-01	pCi/L		200	ml		04/07/06	60001	sec	U
PU-239/240 (AS)	2001	2.42E-02	7.77E-02	1.20E-01	pCi/L		200	ml		04/07/06	60001	sec	U
PU-241	2001	1.20E+01	1.02E+01	1.61E+01	pCi/L		200	ml		04/12/06	100	M	U
PU-242 (AS)	2001	-2.63E-02	3.06E-02	1.20E-01	pCi/L		200	ml		04/07/06	60001	sec	U
U-233/234 (AS)	2001	6.66E-01	1.96E-01	9.90E-02	pCi/L		200	ml		04/06/06	60002	sec	+
U-235 (AS)	2001	-5.47E-03	1.10E-02	4.33E-02	pCi/L		200	ml		04/06/06	60002	sec	U
U-238 (AS)	2001	4.07E-01	1.53E-01	8.58E-02	pCi/L		200	ml		04/06/06	60002	sec	+
Comment: 1 Ni-63 added per client request May 10													

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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MDC - Minimum Detectable Concentration

Report of Analysis

05/23/06 10:18

L28182

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

REVISED
5-24-06

Floyd Hood, Chem

Sample ID: IP3-06-044		Collect Start: 03/22/2006 16:45				Matrix: Ground Water				(WG)						
Station: MW-49 42FT		Collect Stop:				Volume:										
Description:		Receive Date: 03/31/2006				% Moisture:										
LIMS Number: L28182-3																
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
H-3	2010	1.13E+04	1.70E+03	1.83E+03	pCi/L		2	ml		04/11/06	20	M	+			
SR-90	2019	1.94E+01	6.93E-01	4.30E-01	pCi/L		450	ml	03/22/06 16:45	04/11/06	800	M	+			
BE-7	2007	-3.02E+01	7.23E+01	1.18E+02	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
K-40	2007	1.81E+01	1.18E+02	9.19E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		Yes	
CR-51	2007	3.85E+01	8.22E+01	1.38E+02	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
MN-54	2007	4.60E+00	7.28E+00	1.24E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
CO-57	2007	-5.72E+00	6.12E+00	9.89E+00	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
CO-58	2007	-1.61E+00	8.28E+00	1.35E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
FE-59	2007	5.24E+00	1.64E+01	2.78E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
CO-60	2007	-4.57E+00	7.42E+00	1.15E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
ZN-65	2007	2.58E+01	1.73E+01	3.12E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
NB-94	2007	-2.62E+00	7.64E+00	1.22E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
NB-95	2007	6.53E+00	8.16E+00	1.41E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
ZR-95	2007	-1.10E+01	1.45E+01	2.31E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
MO-99	2007	-2.64E+02	1.83E+03	3.01E+03	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
RU-103	2007	-4.81E+00	9.16E+00	1.48E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
RU-106	2007	6.46E+01	7.03E+01	1.11E+02	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
AG-110M	2007	5.97E+00	7.55E+00	1.28E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
SB-124	2007	-1.26E+01	1.07E+01	1.35E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
SB-125	2007	1.27E+01	2.05E+01	3.42E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
I-131	2007	5.94E-01	2.37E+01	3.89E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
CS-134	2007	3.72E+00	9.78E+00	1.38E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
CS-137	2007	3.30E+00	7.93E+00	1.32E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
BA-140	2007	2.28E+01	5.14E+01	8.65E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
LA-140	2007	-9.77E+00	1.73E+01	2.69E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
CE-141	2007	-1.34E+01	1.39E+01	2.24E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
CE-144	2007	-2.71E+01	4.84E+01	7.89E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	
EU-154	2007	-6.24E+00	1.25E+01	2.05E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U		No	

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

Report of Analysis

05/23/06 10:18

L28182

Entergy Nuclear Northeast

EN002-3P50IP3-04

REVISED
5-24-06

Floyd Hood, Chem

Sample ID: IP3-06-044					Collect Start: 03/22/2006 16:45					Matrix: Ground Water					(WG)	
Station: MW-49 42FT					Collect Stop:					Volume:						
Description:					Receive Date: 03/31/2006					% Moisture:						
LIMS Number: L28182-3																
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
RA-226	2007	7.43E+00	1.54E+02	2.52E+02	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U	Yes		
TH-228	2007	-1.79E+00	1.61E+01	2.23E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U	No		
TH-232	2007	-1.50E+01	2.70E+01	4.26E+01	pCi/L		955.42	ml	03/22/06 16:45	04/05/06	14600	Sec	U	No		
AM-241 (AS)	2001	1.42E-03	8.32E-02	1.66E-01	pCi/L		200	ml		04/07/06	60007	sec	U			
CM-242 (AS)	2001	1.16E-01	9.00E-02	6.90E-02	pCi/L		200	ml		04/07/06	60007	sec	U			
CM-243/244 (AS)	2001	1.90E-02	4.35E-02	5.64E-02	pCi/L		200	ml		04/07/06	60007	sec	U			
NP-237 (AS)	2001	1.96E-02	6.38E-02	8.27E-02	pCi/L		200	ml		04/07/06	60001	sec	U			
PU-238 (AS)	2001	-2.03E-02	6.99E-02	1.69E-01	pCi/L		200	ml		04/07/06	60001	sec	U			
PU-239/240 (AS)	2001	1.09E-01	1.29E-01	1.31E-01	pCi/L		200	ml		04/07/06	60001	sec	U			
PU-241	2001	1.09E+01	9.66E+00	1.53E+01	pCi/L		200	ml		04/12/06	100	M	U			
PU-242 (AS)	2001	4.56E-02	8.07E-02	7.58E-02	pCi/L		200	ml		04/07/06	60001	sec	U			
U-233/234 (AS)	2001	2.06E+00	3.51E-01	7.59E-02	pCi/L		200	ml		04/06/06	60003	sec	+			
U-235 (AS)	2001	4.06E-02	5.41E-02	4.20E-02	pCi/L		200	ml		04/06/06	60003	sec	U			
U-238 (AS)	2001	1.03E+00	2.41E-01	1.02E-01	pCi/L		200	ml		04/06/06	60003	sec	+			

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.

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 Yes = Peak identified in gamma spectrum
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MDC - Minimum Detectable Concentration

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5-24-06

Report of Analysis

05/23/06 10:18

L28182

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

Floyd Hood, Chem

Sample ID: IP3-06-045	Collect Start: 03/22/2006 16:50	Matrix: Ground Water (WG)
Station: MW-49 25FT	Collect Stop:	Volume:
Description:	Receive Date: 03/31/2006	% Moisture:
LIMS Number: L28182-4		

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
H-3	2010	1.54E+04	1.87E+03	1.82E+03	pCi/L		2	ml		04/11/06	20	M	+
SR-90	2019	1.84E+01	6.64E-01	4.29E-01	pCi/L		450	ml	03/22/06 16:50	04/11/06	800	M	+
BE-7	2007	-3.66E+01	5.44E+01	8.56E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
K-40	2007	6.88E+01	9.09E+01	1.71E+02	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
CR-51	2007	1.22E+01	6.37E+01	1.06E+02	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
MN-54	2007	-2.61E+00	5.87E+00	9.50E+00	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
CO-57	2007	5.13E+00	4.64E+00	7.91E+00	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
CO-58	2007	3.03E-01	6.45E+00	1.07E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
FE-59	2007	1.65E+00	1.37E+01	2.25E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
CO-60	2007	-1.35E+00	5.99E+00	9.69E+00	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
ZN-65	2007	1.60E+01	1.37E+01	2.38E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
NB-94	2007	-1.28E+00	5.78E+00	9.34E+00	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
NB-95	2007	3.11E+00	6.42E+00	1.07E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
ZR-95	2007	-9.16E+00	1.18E+01	1.84E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
MO-99	2007	1.22E+02	1.54E+03	2.51E+03	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
RU-103	2007	5.92E-01	7.09E+00	1.18E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
RU-106	2007	-2.53E+01	5.56E+01	8.96E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
AG-110M	2007	2.92E+00	5.83E+00	9.78E+00	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
SB-124	2007	-7.37E+00	8.25E+00	1.09E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
SB-125	2007	2.14E+01	1.65E+01	2.81E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
I-131	2007	-2.20E+00	1.84E+01	3.01E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
CS-134	2007	1.19E+01	7.47E+00	1.13E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U* No
CS-137	2007	-5.28E-01	6.27E+00	1.02E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
BA-140	2007	-1.24E+01	4.22E+01	6.90E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
LA-140	2007	-4.22E+00	1.30E+01	2.09E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
CE-141	2007	-5.10E+00	1.08E+01	1.76E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
CE-144	2007	-1.36E+01	3.55E+01	5.83E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No
EU-154	2007	6.08E+00	9.83E+00	1.62E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U No

Flag Values

- U = Compound/Analyte not detected or less than 3 sigma
- +
- 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

Report of Analysis

05/23/06 10:18

L28182

Entergy Nuclear Northeast

EN002-3P50IP3-04



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

REVISED
5-24-06

Floyd Hood, Chem

Sample ID: IP3-06-045					Collect Start: 03/22/2006 16:50					Matrix: Ground Water					(WG)	
Station: MW-49 25FT					Collect Stop:					Volume:						
Description:					Receive Date: 03/31/2006					% Moisture:						
LIMS Number: L28182-4																
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
RA-226	2007	5.00E+01	1.31E+02	2.13E+02	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U	No		
TH-228	2007	7.98E+00	1.02E+01	1.65E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U	No		
TH-232	2007	5.92E+00	2.37E+01	3.84E+01	pCi/L		928.22	ml	03/22/06 16:50	04/05/06	27432	Sec	U	No		
AM-241 (AS)	2001	4.00E-02	1.05E-01	1.86E-01	pCi/L		200	ml		04/07/06	60005	sec	U			
CM-242 (AS)	2001	8.72E-02	8.73E-02	9.83E-02	pCi/L		200	ml		04/07/06	60005	sec	U			
CM-243/244 (AS)	2001	8.32E-03	5.73E-02	1.06E-01	pCi/L		200	ml		04/07/06	60005	sec	U			
NP-237 (AS)	2001	-1.43E-02	2.03E-02	7.99E-02	pCi/L		200	ml		04/07/06	60007	sec	U			
PU-238 (AS)	2001	7.15E-02	1.24E-01	2.00E-01	pCi/L		200	ml		04/07/06	60007	sec	U			
PU-239/240 (AS)	2001	1.43E-01	1.26E-01	1.37E-01	pCi/L		200	ml		04/07/06	60007	sec	U			
PU-241	2001	2.24E+00	5.81E+00	9.44E+00	pCi/L		200	ml		04/12/06	100	M	U			
PU-242 (AS)	2001	7.54E-02	7.61E-02	2.78E-02	pCi/L		200	ml		04/07/06	60007	sec	U			
U-233/234 (AS)	2001	1.08E+00	2.48E-01	4.96E-02	pCi/L		200	ml		04/06/06	60004	sec	+			
U-235 (AS)	2001	1.51E-02	4.85E-02	7.51E-02	pCi/L		200	ml		04/06/06	60004	sec	U			
U-238 (AS)	2001	6.20E-01	1.91E-01	1.11E-01	pCi/L		200	ml		04/06/06	60004	sec	+			

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- +
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MDC - Minimum Detectable Concentration

Report of Analysis

05/23/06 10:18

L28182

Entergy Nuclear Northeast

EN002-3P50IP3-04

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company

REVISED
5-24-06

Floyd Hood, Chem

Sample ID: IP3-06-046		Collect Start: 03/22/2006 16:55				Matrix: Ground Water				(WG)						
Station: MW-49 65FT		Collect Stop:				Volume:										
Description:		Receive Date: 03/31/2006				% Moisture:										
LIMS Number: L28182-5																
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
H-3	2010	5.43E+03	1.42E+03	1.82E+03	pCi/L		2	ml		04/11/06	20	M	+			
SR-90	2019	1.85E+01	6.71E-01	4.13E-01	pCi/L		450	ml	03/22/06 16:55	04/11/06	800	M	+			
BE-7	2007	5.99E+01	8.72E+01	1.59E+02	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
K-40	2007	5.30E+00	1.34E+02	1.34E+02	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		Yes	
CR-51	2007	-1.28E+02	1.01E+02	1.64E+02	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
MN-54	2007	9.81E-01	8.53E+00	1.57E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
CO-57	2007	-1.09E+00	8.04E+00	1.34E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
CO-58	2007	-3.42E+00	1.04E+01	1.77E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
FE-59	2007	-5.38E+00	1.92E+01	3.35E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
CO-60	2007	5.51E+00	9.12E+00	1.81E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
ZN-65	2007	2.53E+01	2.58E+01	4.41E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
NB-94	2007	-1.10E+00	8.31E+00	1.46E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
NB-95	2007	-7.54E-01	1.04E+01	1.82E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
ZR-95	2007	1.65E+01	1.70E+01	3.31E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
MO-99	2007	8.87E+02	2.05E+03	3.82E+03	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
RU-103	2007	3.17E+00	1.19E+01	2.09E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
RU-106	2007	6.98E+00	9.24E+01	1.60E+02	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
AG-110M	2007	4.94E+00	8.58E+00	1.61E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
SB-124	2007	-2.46E+01	1.56E+01	1.93E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
SB-125	2007	-3.75E+00	2.48E+01	4.27E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
I-131	2007	-4.97E+00	2.94E+01	5.08E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
CS-134	2007	4.61E+00	1.42E+01	2.15E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
CS-137	2007	1.36E+00	9.55E+00	1.72E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
BA-140	2007	-2.44E+01	6.33E+01	1.10E+02	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
LA-140	2007	-1.33E+01	1.99E+01	3.29E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
CE-141	2007	6.08E+00	1.73E+01	3.03E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
CE-144	2007	-4.71E+01	6.14E+01	9.91E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	
EU-154	2007	8.32E+00	1.62E+01	2.77E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U		No	

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

Report of Analysis

05/23/06 10:18



**TELEDYNE
BROWN ENGINEERING, INC.**
A Teledyne Technologies Company

REVISED
5-24-06

L28182

Entergy Nuclear Northeast

EN002-3P501P3-04

Floyd Hood, Chem

Sample ID: IP3-06-046		Collect Start: 03/22/2006 16:55				Matrix: Ground Water				(WG)				
Station: MW-49 65FT		Collect Stop:				Volume:								
Description:		Receive Date: 03/31/2006				% Moisture:								
LIMS Number: L28182-5														
Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
RA-226	2007	3.05E+01	2.08E+02	3.74E+02	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U	No
TH-228	2007	2.40E+00	1.54E+01	2.57E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U	Yes
TH-232	2007	-2.56E+01	3.36E+01	5.80E+01	pCi/L		910.58	ml	03/22/06 16:55	04/05/06	6000	Sec	U	No
AM-241 (AS)	2001	6.22E-02	7.69E-02	1.09E-01	pCi/L		200	ml		04/07/06	59648	sec	U	
CM-242 (AS)	2001	1.98E-02	3.48E-02	3.24E-02	pCi/L		200	ml		04/07/06	59648	sec	U	
CM-243/244 (AS)	2001	8.29E-02	6.29E-02	1.75E-02	pCi/L		200	ml		04/07/06	59648	sec	U	
NP-237 (AS)	2001	7.77E-02	1.27E-01	1.64E-01	pCi/L		200	ml		04/07/06	60001	sec	U	
PU-238 (AS)	2001	-2.84E-02	3.31E-02	1.30E-01	pCi/L		200	ml		04/07/06	60001	sec	U	
PU-239/240 (AS)	2001	1.26E-01	1.40E-01	1.50E-01	pCi/L		200	ml		04/07/06	60001	sec	U	
PU-241	2001	2.43E+00	9.83E+00	1.61E+01	pCi/L		200	ml		04/13/06	100	M	U	
PU-242 (AS)	2001	-1.90E-02	2.70E-02	1.06E-01	pCi/L		200	ml		04/07/06	60001	sec	U	
U-233/234 (AS)	2001	2.21E+00	3.57E-01	8.55E-02	pCi/L		200	ml		04/06/06	60002	sec	+	
U-235 (AS)	2001	5.31E-02	5.91E-02	3.99E-02	pCi/L		200	ml		04/06/06	60002	sec	U	
U-238 (AS)	2001	9.43E-01	2.25E-01	9.14E-02	pCi/L		200	ml		04/06/06	60002	sec	+	

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