

**From:** "Lavera, Ronald" <RLavera@entergy.com>  
**To:** <jjk@nrc.gov>  
**Date:** 06/07/2006 2:44:28 PM  
**Subject:** Sample Analysis Reports - Part 3

<<Entergy L28455.pdf>> <<Entergy L28500 partial.pdf>> <<Entergy  
L28405.pdf>> <<Entergy L28502 partial.pdf>>

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Indian Point Energy Center  
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Buchanan, NY 10511-0308

D-5

**Mail Envelope Properties (44871E0E.F97 : 21 : 36759)**

**Subject:** Sample Analysis Reports - Part 3  
**Creation Date** 06/07/2006 2:39:37 PM  
**From:** "Lavera, Ronald" <[RLavera@entergy.com](mailto:RLavera@entergy.com)>

**Created By:** [RLavera@entergy.com](mailto: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                    | 450     | 06/07/2006 2:39:37 PM |
| TEXT.htm                   | 1620    |                       |
| Entergy L28455.pdf         | 713328  |                       |
| Entergy L28500 partial.pdf | 873183  |                       |
| Entergy L28405.pdf         | 1500722 |                       |
| Entergy L28502 partial.pdf | 659232  |                       |
| Mime.822                   | 5132319 |                       |

**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  
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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

**Report of Analysis/Certificate of Conformance**

05/24/2006

LIMS #: L28455

Project ID#: EN002-3P50IP3-04

Received: 05/01/2006

Delivery Date: 05/08/2006

P.O. #: 4500539361

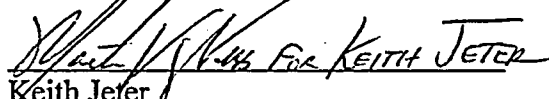
Release #:

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

05/24/06 15:39

**L28455**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

| 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 |  |      |  |  |
| H-3                   | 2010 | 5.75E+02      | 1.46E+02            | 1.87E+02 | pCi/L                           |       | 10             | ml            |                | 05/09/06             | 60         | M           | +           |  |      |  |  |
| SR-90                 | 2019 | -1.48E-01     | 4.07E-01            | 7.91E-01 | pCi/L                           |       | 450            | ml            | 04/26/06 14:20 | 05/24/06             | 400        | M           | U           |  |      |  |  |
| 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           |  | No   |  |  |
| 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           |  | Yes  |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | No   |  |  |
| 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           |  | 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\*
- U\* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
- High
- High = Activity concentration exceeds customer reporting value
- Spec
- Spec = MDC exceeds customer technical specification
- L
- L = Low recovery
- H
- 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

05/24/06 15:39

**L28455**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

|                       |  |  |  |                                 |  |  |  |                      |  |  |  |      |  |
|-----------------------|--|--|--|---------------------------------|--|--|--|----------------------|--|--|--|------|--|
| 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 |    |
|--------------|------|---------------|---------------------|----------|-------|-------|----------------|---------------|----------------|------------|------------|-------------|-------------|----|
| 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           | No |
| 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: | I | Count to Enviromental LLDs; 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

L28455  
P-8C.

L28455  
P-8C.

L28455  
P-8C.

Received by:

**IP3**

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

### Rush sample results

[illegible]



**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**

05/24/2006

LIMS #: L28500

Project ID#: EN002-3P50IP3-04

Received: 05/03/2006

Delivery Date: 05/17/2006

P.O. #: 4500539361

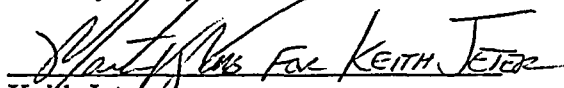
Release #:

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) |
|------------|---------------|---------------------------|
| IP3-06-083 | L28500-1      | HUDSON R. MH1             |
| IP3-06-084 | L28500-2      | SHORESED MH1              |



# Report of Analysis

05/24/06 15:39

**L28500**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

Sample ID: IP3-06-083

Station: HUDSON R. MH1

Description:

LIMS Number: L28500-1

Collect Start: 04/18/2006 13:30

Collect Stop:

Receive Date: 05/03/2006

Matrix: River Water

(WR)

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 | 1.52E+02      | 1.09E+02            | 1.72E+02 | pCi/L | R1    | 10             | ml            |                | 05/24/06   | 140        | M           | U           |
| TOTAL SR     | 2018 | 2.53E-01      | 4.62E-01            | 7.44E-01 | pCi/L |       | 450            | ml            | 04/18/06 13:30 | 05/19/06   | 400        | M           | U           |
| BE-7         | 2007 | 3.26E+00      | 3.09E+01            | 5.16E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| K-40         | 2007 | 4.35E+01      | 4.15E+01            | 8.28E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| CR-51        | 2007 | -7.46E+00     | 4.16E+01            | 6.66E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| MN-54        | 2007 | 3.20E+00      | 3.14E+00            | 5.56E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| CO-57        | 2007 | 1.75E+00      | 2.47E+00            | 4.24E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| CO-58        | 2007 | -1.96E+00     | 3.68E+00            | 5.75E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| FE-59        | 2007 | -3.97E-01     | 7.90E+00            | 1.30E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| CO-60        | 2007 | -4.76E-01     | 3.23E+00            | 5.28E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| ZN-65        | 2007 | 8.97E+00      | 6.86E+00            | 1.24E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| NB-94        | 2007 | -2.05E+00     | 2.92E+00            | 4.59E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| NB-95        | 2007 | -7.77E-02     | 3.51E+00            | 5.72E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| ZR-95        | 2007 | -1.81E+00     | 6.16E+00            | 9.86E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| MO-99        | 2007 | -7.79E+02     | 6.75E+03            | 1.10E+04 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| RU-103       | 2007 | 3.51E+00      | 4.10E+00            | 7.13E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| RU-106       | 2007 | -4.56E+00     | 2.72E+01            | 4.36E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| AG-110M      | 2007 | -1.52E+00     | 3.01E+00            | 4.82E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| SB-124       | 2007 | -1.23E+01     | 5.20E+00            | 5.64E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| SB-125       | 2007 | 3.76E+00      | 8.16E+00            | 1.37E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| I-131        | 2007 | -6.49E+00     | 1.80E+01            | 2.92E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| CS-134       | 2007 | 7.81E-01      | 3.58E+00            | 5.01E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| CS-137       | 2007 | 2.10E+00      | 3.07E+00            | 5.31E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| BA-140       | 2007 | -5.01E+00     | 3.37E+01            | 5.49E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| LA-140       | 2007 | 3.71E+00      | 1.05E+01            | 1.80E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| CE-141       | 2007 | -1.29E+00     | 7.53E+00            | 1.06E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| CE-144       | 2007 | 2.98E+00      | 2.20E+01            | 3.18E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |
| EU-154       | 2007 | 2.93E+00      | 4.98E+00            | 8.52E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           |

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- + = 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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- H = High recovery

**Bolded text indicates reportable value.**

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Yes = Peak identified in gamma spectrum

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

MDC - Minimum Detectable Concentration

# Report of Analysis

05/24/06 15:39

**L28500**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

|                        |  |  |                                 |  |  |                     |  |  |      |  |  |
|------------------------|--|--|---------------------------------|--|--|---------------------|--|--|------|--|--|
| Sample ID: IP3-06-083  |  |  | Collect Start: 04/18/2006 13:30 |  |  | Matrix: River Water |  |  | (WR) |  |  |
| Station: HUDSON R. MH1 |  |  | Collect Stop:                   |  |  | Volume:             |  |  |      |  |  |
| Description:           |  |  | Receive Date: 05/03/2006        |  |  | % Moisture:         |  |  |      |  |  |
| LIMS Number: L28500-1  |  |  |                                 |  |  |                     |  |  |      |  |  |

| 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 | 1.43E+00      | 6.38E+01            | 1.07E+02 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           | No |
| TH-228       | 2007 | 1.15E-01      | 5.23E+00            | 8.98E+00 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | Sec         | U           | No |
| TH-232       | 2007 | 2.44E+00      | 1.07E+01            | 1.87E+01 | pCi/L |       | 3181.33        | ml            | 04/18/06 13:30 | 05/11/06   | 9354       | 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

05/24/06 15:39

**L28500**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

| Sample ID: IP3-06-084 |      | Collect Start: 04/18/2006 13:30 |                     |          |           | Matrix: Soil     |                |               |                | (S)        |            |             |             |  |     |
|-----------------------|------|---------------------------------|---------------------|----------|-----------|------------------|----------------|---------------|----------------|------------|------------|-------------|-------------|--|-----|
| Station: SHORESED MH1 |      | Collect Stop:                   |                     |          |           | Volume:          |                |               |                |            |            |             |             |  |     |
| Description:          |      | Receive Date: 05/03/2006        |                     |          |           | % Moisture: 3.62 |                |               |                |            |            |             |             |  |     |
| LIMS Number: L28500-2 |      |                                 |                     |          |           |                  |                |               |                |            |            |             |             |  |     |
| 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                   | 2003 | 7.71E-01                        | 2.30E-01            | 3.41E-01 | pCi/g     | R1               | 5.0738         | g wet         |                | 05/24/06   | 140        | M           | +           |  |     |
| TOTAL SR              | 2018 | -4.35E-03                       | 5.11E-02            | 8.44E-02 | pCi/g     |                  | 5.0717         | g dry         | 04/18/06 13:30 | 05/19/06   | 400        | M           | U           |  |     |
| BE-7                  | 2007 | 3.37E-01                        | 3.50E-01            | 6.08E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| K-40                  | 2007 | 8.39E+00                        | 9.90E-01            | 4.77E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | +           |  | Yes |
| CR-51                 | 2007 | 6.46E-02                        | 4.47E-01            | 7.46E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| MN-54                 | 2007 | 2.18E-02                        | 3.45E-02            | 6.05E-02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| CO-57                 | 2007 | 4.94E-03                        | 2.61E-02            | 4.39E-02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| CO-58                 | 2007 | 2.32E-02                        | 4.23E-02            | 7.36E-02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| FE-59                 | 2007 | 2.16E-03                        | 9.77E-02            | 1.60E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| CO-60                 | 2007 | -1.81E-02                       | 3.64E-02            | 5.59E-02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| ZN-65                 | 2007 | 6.98E-02                        | 8.93E-02            | 1.56E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| NB-94                 | 2007 | 1.66E-02                        | 3.33E-02            | 5.66E-02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| NB-95                 | 2007 | -5.04E-03                       | 4.01E-02            | 6.42E-02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| ZR-95                 | 2007 | 1.26E-02                        | 7.55E-02            | 1.25E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| MO-99                 | 2007 | 5.32E+01                        | 1.14E+02            | 1.93E+02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| RU-103                | 2007 | -2.05E-03                       | 4.32E-02            | 7.17E-02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| RU-106                | 2007 | 9.80E-02                        | 3.04E-01            | 5.13E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| AG-110M               | 2007 | -1.12E-03                       | 3.35E-02            | 5.48E-02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| SB-124                | 2007 | 4.29E-03                        | 4.86E-02            | 6.84E-02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| SB-125                | 2007 | 6.46E-02                        | 9.49E-02            | 1.62E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| I-131                 | 2007 | 4.43E-02                        | 2.35E-01            | 3.92E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| CS-134                | 2007 | 4.25E-02                        | 4.27E-02            | 6.55E-02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| CS-137                | 2007 | -3.81E-03                       | 3.32E-02            | 5.38E-02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| BA-140                | 2007 | 3.29E-02                        | 3.81E-01            | 6.35E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| LA-140                | 2007 | -5.16E-02                       | 1.13E-01            | 1.72E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| CE-141                | 2007 | -3.57E-02                       | 6.96E-02            | 1.13E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| CE-144                | 2007 | -7.76E-02                       | 1.99E-01            | 3.25E-01 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           |  | No  |
| EU-154                | 2007 | 3.78E-04                        | 5.21E-02            | 8.70E-02 | pCi/g Dry |                  | 375.9          | g dry         | 04/18/06 13:30 | 05/12/06   | 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

- 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

05/24/06 15:39

**L28500**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

| Sample ID: IP3-06-084 |      |               |                     | Collect Start: 04/18/2006 13:30 |           |       |                | Matrix: Soil     |                |            |            | (S)         |             |     |
|-----------------------|------|---------------|---------------------|---------------------------------|-----------|-------|----------------|------------------|----------------|------------|------------|-------------|-------------|-----|
| Station: SHORESED MH1 |      |               |                     | Collect Stop:                   |           |       |                | Volume:          |                |            |            |             |             |     |
| Description:          |      |               |                     | Receive Date: 05/03/2006        |           |       |                | % Moisture: 3.62 |                |            |            |             |             |     |
| LIMS Number: L28500-2 |      |               |                     |                                 |           |       |                |                  |                |            |            |             |             |     |
| Radionuclide          | SOP# | Activity Conc | Uncertainty 2 Sigma | MDC                             | Units     | Run # | Aliquot Volume | Aliquot Units    | Reference Date | Count Date | Count Time | Count Units | Flag Values |     |
| RA-226                | 2007 | 4.64E-01      | 6.64E-01            | 1.14E+00                        | pCi/g Dry |       | 375.9          | g dry            | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           | No  |
| TH-228                | 2007 | 1.29E-01      | 6.12E-02            | 1.09E-01                        | pCi/g Dry |       | 375.9          | g dry            | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U*          | No  |
| TH-232                | 2007 | 1.83E-01      | 1.17E-01            | 2.08E-01                        | pCi/g Dry |       | 375.9          | g dry            | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           | Yes |

## 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

05/08/06 13:56

Teledyne Brown Engineering  
Sample Receipt Verification/Variance Report

SR #: SR08193

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

LIMS #: L28500

Initiated By: PMARSHALL

Init Date: 05/05/06

Receive Date: 05/03/06

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)                                                                                        |     |    | N  |         |
| Samples are designated as environmental for LLD purposes only. Samples were accompanied by rad paperwork. |     |    |    |         |

# Report of Analysis

05/24/06 15:39

**L28500**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

| Sample ID: IP3-06-084 |      |               |                     | Collect Start: 04/18/2006 13:30 |           |       |                | Matrix: Soil     |                |            |            | (S)         |             |     |
|-----------------------|------|---------------|---------------------|---------------------------------|-----------|-------|----------------|------------------|----------------|------------|------------|-------------|-------------|-----|
| Station: SHORESED MH1 |      |               |                     | Collect Stop:                   |           |       |                | Volume:          |                |            |            |             |             |     |
| Description:          |      |               |                     | Receive Date: 05/03/2006        |           |       |                | % Moisture: 3.62 |                |            |            |             |             |     |
| LIMS Number: L28500-2 |      |               |                     |                                 |           |       |                |                  |                |            |            |             |             |     |
| Radionuclide          | SOP# | Activity Conc | Uncertainty 2 Sigma | MDC                             | Units     | Run # | Aliquot Volume | Aliquot Units    | Reference Date | Count Date | Count Time | Count Units | Flag Values |     |
| RA-226                | 2007 | 4.64E-01      | 6.64E-01            | 1.14E+00                        | pCi/g Dry |       | 375.9          | g dry            | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           | No  |
| TH-228                | 2007 | 1.29E-01      | 6.12E-02            | 1.09E-01                        | pCi/g Dry |       | 375.9          | g dry            | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U*          | No  |
| TH-232                | 2007 | 1.83E-01      | 1.17E-01            | 2.08E-01                        | pCi/g Dry |       | 375.9          | g dry            | 04/18/06 13:30 | 05/12/06   | 6000       | Sec         | U           | Yes |

## 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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 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

05/08/06 13:56

Teledyne Brown Engineering  
Sample Receipt Verification/Variance Report

SR #: SR08193

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

LIMS #: L28500

Initiated By: PMARSHALL

Init Date: 05/05/06 Receive Date: 05/03/06

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) N

Samples are designated as environmental for LLD purposes only. Samples were accompanied by rad paperwork.

Indian Point Energy Center

**Entergy Nuclear Operations, Inc.**  
Sample Collection/Receipt Sheet

L28500  
p8c

| unit yr id# format<br>(IPX-XX.XXX)Teledyne<br>Sample # | Sample ID                     | Sample Type | Start date | Start time | Stop date | Stop time | Volume or Area | Analysis                  | Comments                         | Sample Size Units | Plant Code       |
|--------------------------------------------------------|-------------------------------|-------------|------------|------------|-----------|-----------|----------------|---------------------------|----------------------------------|-------------------|------------------|
| IP3-06-083                                             | Hudson River at MH-1          | WR          | 18-Apr-06  | 13:30      |           |           | 1.000E+00      | SR-90, H-3, GELI,SR-FAST  | Count to Enviromental LLDs; RUSH | GAL               | EN002-3P50IP3-04 |
| IP3-06-084                                             | Sediment of shoreline at MH-1 | SH          | 18-Apr-06  | 13:30      |           |           | 5.000E+02      | SR-90, H-3, GELI, SR-FAST | Count to Enviromental LLDs; RUSH | ML                | 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*

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

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**

05/19/2006

LIMS #: L28405

Project ID#: EN002-3P50IP3-04

Received: 04/25/2006

Delivery Date: 05/09/2006

P.O. #: 4500539361

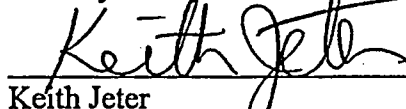
Release #:

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) |
|------------|---------------|---------------------------|
| IP3-06-075 | L28405-1      | MW-41 63 FT DEPTH         |
| IP3-06-076 | L28405-2      | MW-41 41 FT DEPTH         |
| IP3-06-077 | L28405-3      | MW-43 28 FT DEPTH         |
| IP3-06-078 | L28405-4      | MW-43 62 FT DEPTH         |
| IP3-06-079 | L28405-5      | MW-46 30 FT DEPTH         |
| IP3-06-080 | L28405-6      | U2 MANHOLE 5              |

# Report of Analysis

05/19/06 11:24

**L28405**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

| Sample ID: IP3-06-075      |      | Collect Start: 04/12/2006 14:45 |                     |          |       | Matrix: Ground Water |                |               |                | (WG)       |            |             |             |  |    |
|----------------------------|------|---------------------------------|---------------------|----------|-------|----------------------|----------------|---------------|----------------|------------|------------|-------------|-------------|--|----|
| Station: MW-41 63 FT DEPTH |      | Collect Stop:                   |                     |          |       | Volume:              |                |               |                |            |            |             |             |  |    |
| Description:               |      | Receive Date: 04/25/2006        |                     |          |       | % Moisture:          |                |               |                |            |            |             |             |  |    |
| LIMS Number: L28405-1      |      |                                 |                     |          |       |                      |                |               |                |            |            |             |             |  |    |
| 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 | 7.01E+02                        | 1.35E+02            | 1.53E+02 | pCi/L |                      | 10             | ml            |                | 05/08/06   | 60         | M           | +           |  |    |
| SR-90                      | 2019 | 5.49E+00                        | 1.47E+00            | 1.60E+00 | pCi/L |                      | 450            | ml            | 04/12/06 14:45 | 05/10/06   | 100        | M           | +           |  |    |
| BE-7                       | 2007 | 7.47E+00                        | 1.43E+01            | 2.38E+01 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| K-40                       | 2007 | 8.38E+00                        | 2.10E+01            | 3.62E+01 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| CR-51                      | 2007 | -1.30E+01                       | 1.85E+01            | 2.97E+01 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| MN-54                      | 2007 | 1.29E+00                        | 1.41E+00            | 2.40E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| CO-57                      | 2007 | -6.14E-01                       | 1.27E+00            | 2.09E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| CO-58                      | 2007 | 1.10E-01                        | 1.62E+00            | 2.69E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| FE-59                      | 2007 | 5.68E+00                        | 3.53E+00            | 6.20E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| CO-60                      | 2007 | -3.89E-02                       | 1.79E+00            | 2.78E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| ZN-65                      | 2007 | 1.33E+01                        | 4.06E+00            | 6.58E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U*          |  | No |
| NB-94                      | 2007 | 9.30E-01                        | 1.38E+00            | 2.30E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| NB-95                      | 2007 | 3.82E+00                        | 1.99E+00            | 2.98E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U*          |  | No |
| ZR-95                      | 2007 | -1.50E-01                       | 2.98E+00            | 4.60E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| MO-99                      | 2007 | -1.84E+02                       | 1.32E+03            | 2.14E+03 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| RU-103                     | 2007 | 1.90E+00                        | 1.90E+00            | 3.18E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| RU-106                     | 2007 | -4.71E+00                       | 1.30E+01            | 2.09E+01 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| AG-110M                    | 2007 | -1.09E-01                       | 1.41E+00            | 2.31E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| SB-124                     | 2007 | -1.10E+00                       | 3.78E+00            | 2.72E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| SB-125                     | 2007 | -9.30E-02                       | 3.94E+00            | 6.48E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| I-131                      | 2007 | -2.46E+00                       | 7.01E+00            | 1.16E+01 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| CS-134                     | 2007 | 1.17E+01                        | 2.74E+00            | 3.18E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U*          |  | No |
| CS-137                     | 2007 | 6.98E-01                        | 1.51E+00            | 2.52E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| BA-140                     | 2007 | 4.50E+00                        | 1.36E+01            | 2.23E+01 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| LA-140                     | 2007 | 4.37E+00                        | 4.75E+00            | 8.12E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| CE-141                     | 2007 | 9.82E-01                        | 3.67E+00            | 5.21E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| CE-144                     | 2007 | -9.02E+00                       | 1.17E+01            | 1.63E+01 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | Sec         | U           |  | No |
| EU-154                     | 2007 | -3.69E+00                       | 2.58E+00            | 4.20E+00 | pCi/L |                      | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06   | 54463      | 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
- 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

05/19/06 11:24

**L28405**

Entergy Nuclear Northeast

EN002-3P50IP3-04

Floyd Hood, Chem



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

| Sample ID: IP3-06-075                       |      |               |                     |          | Collect Start: 04/12/2006 14:45 |       |                |               |                | Matrix: Ground Water |            |             |             |     | (WG) |  |
|---------------------------------------------|------|---------------|---------------------|----------|---------------------------------|-------|----------------|---------------|----------------|----------------------|------------|-------------|-------------|-----|------|--|
| Station: MW-41 63 FT DEPTH                  |      |               |                     |          | Collect Stop:                   |       |                |               |                | Volume:              |            |             |             |     |      |  |
| Description:                                |      |               |                     |          | Receive Date: 04/25/2006        |       |                |               |                | % Moisture:          |            |             |             |     |      |  |
| LIMS Number: L28405-1                       |      |               |                     |          |                                 |       |                |               |                |                      |            |             |             |     |      |  |
| 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 | 2.81E+01      | 3.36E+01            | 5.08E+01 | pCi/L                           |       | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06             | 54463      | Sec         | U           | Yes |      |  |
| TH-228                                      | 2007 | 3.40E+00      | 2.40E+00            | 3.84E+00 | pCi/L                           |       | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06             | 54463      | Sec         | U           | Yes |      |  |
| TH-232                                      | 2007 | 2.49E+00      | 6.48E+00            | 9.28E+00 | pCi/L                           |       | 3163.44        | ml            | 04/12/06 14:45 | 05/01/06             | 54463      | Sec         | U           | No  |      |  |
| Comment: 1 Count to Enviromental LLDs; 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

05/19/06 11:24

**L28405**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

| Sample ID: IP3-06-076     |      | Collect Start: 04/12/2006 15:00 |                     |          |       | Matrix: Ground Water |                |               |                | (WG)       |            |             |             |  |     |  |
|---------------------------|------|---------------------------------|---------------------|----------|-------|----------------------|----------------|---------------|----------------|------------|------------|-------------|-------------|--|-----|--|
| Station: MW-41 41 FTDEPTH |      | Collect Stop:                   |                     |          |       | Volume:              |                |               |                |            |            |             |             |  |     |  |
| Description:              |      | Receive Date: 04/25/2006        |                     |          |       | % Moisture:          |                |               |                |            |            |             |             |  |     |  |
| LIMS Number: L28405-2     |      |                                 |                     |          |       |                      |                |               |                |            |            |             |             |  |     |  |
| 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 | 7.26E+02                        | 1.38E+02            | 1.56E+02 | pCi/L |                      | 10             | ml            |                | 05/08/06   | 60         | M           | +           |  |     |  |
| SR-90                     | 2019 | 2.63E+00                        | 1.16E+00            | 1.58E+00 | pCi/L |                      | 450            | ml            | 04/12/06 15:00 | 05/10/06   | 100        | M           | +           |  |     |  |
| BE-7                      | 2007 | -8.28E+00                       | 1.74E+01            | 2.82E+01 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| K-40                      | 2007 | 1.63E+01                        | 3.05E+01            | 2.53E+01 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | Yes |  |
| CR-51                     | 2007 | -2.40E+01                       | 2.21E+01            | 3.51E+01 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| MN-54                     | 2007 | -1.03E+00                       | 1.72E+00            | 2.75E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| CO-57                     | 2007 | -4.83E-01                       | 1.64E+00            | 2.68E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| CO-58                     | 2007 | -9.88E-01                       | 2.00E+00            | 3.20E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| FE-59                     | 2007 | 5.90E+00                        | 4.07E+00            | 7.04E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| CO-60                     | 2007 | -7.58E-01                       | 1.70E+00            | 2.74E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| ZN-65                     | 2007 | 1.87E+01                        | 4.61E+00            | 7.67E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U*          |  | No  |  |
| NB-94                     | 2007 | -1.45E-01                       | 1.58E+00            | 2.60E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| NB-95                     | 2007 | 2.52E-01                        | 1.97E+00            | 3.24E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| ZR-95                     | 2007 | -1.03E+00                       | 3.51E+00            | 5.69E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| MO-99                     | 2007 | -1.03E+03                       | 1.61E+03            | 2.59E+03 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| RU-103                    | 2007 | 2.76E+00                        | 2.35E+00            | 3.95E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| RU-106                    | 2007 | -8.78E+00                       | 1.56E+01            | 2.51E+01 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| AG-110M                   | 2007 | 3.83E-01                        | 1.68E+00            | 2.80E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| SB-124                    | 2007 | -2.24E+00                       | 4.86E+00            | 3.30E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| SB-125                    | 2007 | -2.54E+00                       | 4.62E+00            | 7.53E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| I-131                     | 2007 | -3.51E-01                       | 8.59E+00            | 1.43E+01 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| CS-134                    | 2007 | 1.35E+01                        | 3.09E+00            | 3.78E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U*          |  | No  |  |
| CS-137                    | 2007 | 2.91E+00                        | 1.75E+00            | 3.03E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| BA-140                    | 2007 | 2.00E+01                        | 1.67E+01            | 2.82E+01 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| LA-140                    | 2007 | 4.19E+00                        | 5.46E+00            | 9.25E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| CE-141                    | 2007 | -7.21E-01                       | 4.78E+00            | 6.61E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| CE-144                    | 2007 | -1.23E+01                       | 1.49E+01            | 2.04E+01 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
| EU-154                    | 2007 | 2.16E-01                        | 3.29E+00            | 5.40E+00 | pCi/L |                      | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U           |  | No  |  |
|                           |      |                                 |                     |          |       |                      |                |               |                |            |            |             |             |  |     |  |

## Flag Values

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

05/19/06 11:24

**L28405**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

|                              |  |                                 |  |                      |  |      |  |
|------------------------------|--|---------------------------------|--|----------------------|--|------|--|
| Sample ID: <b>IP3-06-076</b> |  | Collect Start: 04/12/2006 15:00 |  | Matrix: Ground Water |  | (WG) |  |
| Station: MW-41 41 FTDEPTH    |  | Collect Stop:                   |  | Volume:              |  |      |  |
| Description:                 |  | Receive Date: 04/25/2006        |  | % Moisture:          |  |      |  |
| LIMS Number: L28405-2        |  |                                 |  |                      |  |      |  |

| Radionuclide | SOP# | Activity Conc | Uncertainty 2 Sigma | MDC      | Units | Run # | Aliquot Volume | Aliquot Units | Reference Date | Count Date | Count Time | Count Units | Flag Values |
|--------------|------|---------------|---------------------|----------|-------|-------|----------------|---------------|----------------|------------|------------|-------------|-------------|
| RA-226       | 2007 | 2.40E+01      | 4.22E+01            | 6.24E+01 | pCi/L |       | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U Yes       |
| TH-228       | 2007 | 3.40E+00      | 2.74E+00            | 4.88E+00 | pCi/L |       | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U Yes       |
| TH-232       | 2007 | -8.66E-01     | 7.17E+00            | 1.13E+01 | pCi/L |       | 3294.93        | ml            | 04/12/06 15:00 | 05/01/06   | 54470      | Sec         | U No        |

Comment: 1 Count to Enviromental LLDs; 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
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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

05/19/06 11:24

**L28405**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

| Sample ID: IP3-06-077      |      | Collect Start: 04/12/2006 12:45 |                     |          |       | Matrix: Ground Water |                |               |                | (WG)       |            |             |             |  |     |
|----------------------------|------|---------------------------------|---------------------|----------|-------|----------------------|----------------|---------------|----------------|------------|------------|-------------|-------------|--|-----|
| Station: MW-43 28 FT DEPTH |      | Collect Stop:                   |                     |          |       | Volume:              |                |               |                |            |            |             |             |  |     |
| Description:               |      | Receive Date: 04/25/2006        |                     |          |       | % Moisture:          |                |               |                |            |            |             |             |  |     |
| LIMS Number: L28405-3      |      |                                 |                     |          |       |                      |                |               |                |            |            |             |             |  |     |
| 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 | 3.46E+02                        | 1.19E+02            | 1.59E+02 | pCi/L |                      | 10             | ml            |                | 05/08/06   | 60         | M           | +           |  |     |
| SR-90                      | 2019 | 9.40E-02                        | 4.93E-01            | 8.06E-01 | pCi/L |                      | 450            | ml            | 04/12/06 12:45 | 05/19/06   | 800        | M           | U           |  |     |
| BE-7                       | 2007 | -1.03E+01                       | 1.51E+01            | 2.42E+01 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| K-40                       | 2007 | 4.71E+01                        | 2.77E+01            | 2.22E+01 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | +           |  | Yes |
| CR-51                      | 2007 | -2.33E+01                       | 1.87E+01            | 2.98E+01 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| MN-54                      | 2007 | 4.02E-01                        | 1.52E+00            | 2.51E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| CO-57                      | 2007 | -1.32E+00                       | 1.33E+00            | 2.19E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| CO-58                      | 2007 | -1.73E+00                       | 1.67E+00            | 2.67E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| FE-59                      | 2007 | 5.26E+00                        | 3.66E+00            | 6.32E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| CO-60                      | 2007 | 1.56E+00                        | 1.49E+00            | 2.56E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| ZN-65                      | 2007 | 8.14E+00                        | 3.98E+00            | 6.04E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U*          |  | No  |
| NB-94                      | 2007 | -1.43E+00                       | 1.46E+00            | 2.32E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| NB-95                      | 2007 | 4.17E+00                        | 1.75E+00            | 3.09E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U*          |  | No  |
| ZR-95                      | 2007 | -3.09E+00                       | 3.04E+00            | 4.91E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| MO-99                      | 2007 | -4.37E+02                       | 1.48E+03            | 2.34E+03 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| RU-103                     | 2007 | 1.32E+00                        | 1.98E+00            | 3.27E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| RU-106                     | 2007 | -1.07E+01                       | 1.40E+01            | 2.22E+01 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| AG-110M                    | 2007 | -2.43E-01                       | 1.45E+00            | 2.37E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| SB-124                     | 2007 | 6.17E-01                        | 3.71E+00            | 2.79E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| SB-125                     | 2007 | -1.32E+00                       | 4.08E+00            | 6.66E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| I-131                      | 2007 | 1.48E+00                        | 7.41E+00            | 1.24E+01 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| CS-134                     | 2007 | 5.45E+00                        | 2.71E+00            | 2.74E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U*          |  | No  |
| CS-137                     | 2007 | -1.44E+00                       | 1.68E+00            | 2.54E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| BA-140                     | 2007 | -1.69E+00                       | 1.36E+01            | 2.26E+01 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| LA-140                     | 2007 | 2.57E+00                        | 4.72E+00            | 7.99E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| CE-141                     | 2007 | 5.66E+00                        | 3.79E+00            | 5.55E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| CE-144                     | 2007 | -3.81E+00                       | 1.16E+01            | 1.72E+01 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           |  | No  |
| EU-154                     | 2007 | -1.50E+00                       | 2.67E+00            | 4.42E+00 | pCi/L |                      | 3302.13        | ml            | 04/12/06 12:45 | 05/01/06   | 54474      | 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
- 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

05/19/06 11:24

**L28405**

Entergy Nuclear Northeast

EN002-3P50IP3-04

Floyd Hood, Chem



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

| Sample ID: IP3-06-077                       |      |               |                     | Collect Start: 04/12/2006 12:45 |       |       |                | Matrix: Ground Water |                |            |            | (WG)        |             |     |  |
|---------------------------------------------|------|---------------|---------------------|---------------------------------|-------|-------|----------------|----------------------|----------------|------------|------------|-------------|-------------|-----|--|
| Station: MW-43 28 FT DEPTH                  |      |               |                     | Collect Stop:                   |       |       |                | Volume:              |                |            |            |             |             |     |  |
| Description:                                |      |               |                     | Receive Date: 04/25/2006        |       |       |                | % Moisture:          |                |            |            |             |             |     |  |
| LIMS Number: L28405-3                       |      |               |                     |                                 |       |       |                |                      |                |            |            |             |             |     |  |
| 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 | 2.35E+01      | 4.43E+01            | 5.13E+01                        | pCi/L |       | 3302.13        | ml                   | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           | Yes |  |
| TH-228                                      | 2007 | 1.04E+01      | 2.58E+00            | 4.00E+00                        | pCi/L |       | 3302.13        | ml                   | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | +           | Yes |  |
| TH-232                                      | 2007 | 4.32E+00      | 3.86E+00            | 8.56E+00                        | pCi/L |       | 3302.13        | ml                   | 04/12/06 12:45 | 05/01/06   | 54474      | Sec         | U           | Yes |  |
| Comment: 1 Count to Enviromental LLDs; 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

05/19/06 11:24

**L28405**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

| Sample ID: IP3-06-078      |      | Collect Start: 04/12/2006 11:55 |                     |          |       | Matrix: Ground Water |                |               |                | (WG)       |            |             |             |
|----------------------------|------|---------------------------------|---------------------|----------|-------|----------------------|----------------|---------------|----------------|------------|------------|-------------|-------------|
| Station: MW-43 62 FT DEPTH |      | Collect Stop:                   |                     |          |       | Volume:              |                |               |                |            |            |             |             |
| Description:               |      | Receive Date: 04/25/2006        |                     |          |       | % Moisture:          |                |               |                |            |            |             |             |
| LIMS Number: L28405-4      |      |                                 |                     |          |       |                      |                |               |                |            |            |             |             |
| 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 | 2.00E+02                        | 1.10E+02            | 1.58E+02 | pCi/L |                      | 10             | ml            |                | 05/08/06   | 60         | M           | +           |
| SR-90                      | 2019 | 4.34E-01                        | 3.09E-01            | 4.83E-01 | pCi/L |                      | 450            | ml            | 04/12/06 11:55 | 05/19/06   | 800        | M           | U           |
| BE-7                       | 2007 | 1.54E+01                        | 2.19E+01            | 3.67E+01 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| K-40                       | 2007 | 2.18E+01                        | 3.25E+01            | 3.31E+01 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| CR-51                      | 2007 | -2.22E+01                       | 2.89E+01            | 4.70E+01 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| MN-54                      | 2007 | 2.29E-01                        | 2.07E+00            | 3.43E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| CO-57                      | 2007 | -1.33E-01                       | 2.34E+00            | 3.87E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| CO-58                      | 2007 | 1.45E+00                        | 2.40E+00            | 4.01E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| FE-59                      | 2007 | 4.33E+00                        | 4.85E+00            | 8.24E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| CO-60                      | 2007 | 1.82E+00                        | 2.06E+00            | 3.47E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| ZN-65                      | 2007 | 6.42E+01                        | 6.59E+00            | 1.19E+01 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U*          |
| NB-94                      | 2007 | 2.25E+00                        | 1.91E+00            | 3.19E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| NB-95                      | 2007 | 1.40E+01                        | 2.63E+00            | 4.83E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U*          |
| ZR-95                      | 2007 | -1.93E+00                       | 4.57E+00            | 6.73E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| MO-99                      | 2007 | -3.38E+02                       | 1.99E+03            | 3.29E+03 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| RU-103                     | 2007 | 1.21E+00                        | 2.78E+00            | 4.63E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| RU-106                     | 2007 | 8.32E+00                        | 1.94E+01            | 3.08E+01 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| AG-110M                    | 2007 | 3.07E-01                        | 2.36E+00            | 3.25E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| SB-124                     | 2007 | -5.00E+00                       | 6.34E+00            | 4.13E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| SB-125                     | 2007 | 2.40E+00                        | 6.15E+00            | 1.01E+01 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| I-131                      | 2007 | 8.64E+00                        | 1.13E+01            | 1.88E+01 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| CS-134                     | 2007 | 7.22E+01                        | 5.76E+00            | 6.73E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U*          |
| CS-137                     | 2007 | 3.27E+00                        | 2.70E+00            | 3.73E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| BA-140                     | 2007 | 1.10E+01                        | 2.02E+01            | 3.36E+01 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| LA-140                     | 2007 | -6.20E+00                       | 6.49E+00            | 1.03E+01 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| CE-141                     | 2007 | 2.38E+00                        | 6.77E+00            | 9.54E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| CE-144                     | 2007 | 4.58E+00                        | 2.12E+01            | 2.99E+01 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |
| EU-154                     | 2007 | -1.97E+00                       | 4.73E+00            | 7.81E+00 | pCi/L |                      | 3264.48        | ml            | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U           |

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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

05/19/06 11:24

**L28405**

Entergy Nuclear Northeast

EN002-3P50IP3-04

Floyd Hood, Chem



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

| Sample ID: IP3-06-078                       |      |               |                     | Collect Start: 04/12/2006 11:55 |       |       |                | Matrix: Ground Water |                |            |            | (WG)        |             |
|---------------------------------------------|------|---------------|---------------------|---------------------------------|-------|-------|----------------|----------------------|----------------|------------|------------|-------------|-------------|
| Station: MW-43 62 FT DEPTH                  |      |               |                     | Collect Stop:                   |       |       |                | Volume:              |                |            |            |             |             |
| Description:                                |      |               |                     | Receive Date: 04/25/2006        |       |       |                | % Moisture:          |                |            |            |             |             |
| LIMS Number: L28405-4                       |      |               |                     |                                 |       |       |                |                      |                |            |            |             |             |
| 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 | 1.05E+01      | 5.60E+01            | 8.86E+01                        | pCi/L |       | 3264.48        | ml                   | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U Yes       |
| TH-228                                      | 2007 | 1.97E+00      | 3.98E+00            | 6.70E+00                        | pCi/L |       | 3264.48        | ml                   | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U Yes       |
| TH-232                                      | 2007 | 5.34E+00      | 4.53E+00            | 1.20E+01                        | pCi/L |       | 3264.48        | ml                   | 04/12/06 11:55 | 05/01/06   | 54494      | Sec         | U Yes       |
| Comment: 1 Count to Enviromental LLDs; RUSH |      |               |                     |                                 |       |       |                |                      |                |            |            |             |             |

## Flag Values

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**Bolded text indicates reportable value.**

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MDC - Minimum Detectable Concentration

# Report of Analysis

05/19/06 11:24

**L28405**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

| Sample ID: IP3-06-079      |      | Collect Start: 04/12/2006 17:15 |                     |          |       | Matrix: Ground Water |                |               |                | (WG)       |            |             |             |  |    |
|----------------------------|------|---------------------------------|---------------------|----------|-------|----------------------|----------------|---------------|----------------|------------|------------|-------------|-------------|--|----|
| Station: MW-46 30 FT DEPTH |      | Collect Stop:                   |                     |          |       | Volume:              |                |               |                |            |            |             |             |  |    |
| Description:               |      | Receive Date: 04/25/2006        |                     |          |       | % Moisture:          |                |               |                |            |            |             |             |  |    |
| LIMS Number: L28405-5      |      |                                 |                     |          |       |                      |                |               |                |            |            |             |             |  |    |
| 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 | 1.38E+03                        | 1.87E+02            | 1.76E+02 | pCi/L |                      | 10             | ml            |                | 05/08/06   | 46.46      | M           | +           |  |    |
| SR-90                      | 2019 | 6.24E-01                        | 3.21E-01            | 4.89E-01 | pCi/L |                      | 450            | ml            | 04/12/06 17:15 | 05/19/06   | 800        | M           | +           |  |    |
| BE-7                       | 2007 | 4.47E-01                        | 1.92E+01            | 3.12E+01 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| K-40                       | 2007 | 1.86E+02                        | 2.55E+01            | 5.20E+01 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U*          |  | No |
| CR-51                      | 2007 | -3.79E+00                       | 2.34E+01            | 3.86E+01 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| MN-54                      | 2007 | 2.15E+00                        | 1.81E+00            | 3.13E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| CO-57                      | 2007 | 6.53E-01                        | 1.75E+00            | 2.92E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| CO-58                      | 2007 | 1.12E+00                        | 2.10E+00            | 3.55E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| FE-59                      | 2007 | 2.66E-01                        | 4.45E+00            | 7.27E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| CO-60                      | 2007 | -5.36E-01                       | 1.78E+00            | 2.89E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| ZN-65                      | 2007 | 5.77E+00                        | 4.28E+00            | 7.35E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| NB-94                      | 2007 | 2.17E-01                        | 1.77E+00            | 2.90E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| NB-95                      | 2007 | 6.72E-01                        | 2.18E+00            | 3.58E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| ZR-95                      | 2007 | 1.79E+00                        | 3.81E+00            | 6.29E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| MO-99                      | 2007 | 6.97E+02                        | 1.70E+03            | 2.80E+03 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| RU-103                     | 2007 | 3.78E+00                        | 2.52E+00            | 4.35E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| RU-106                     | 2007 | -2.19E+01                       | 1.72E+01            | 2.71E+01 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| AG-110M                    | 2007 | -1.06E-01                       | 1.87E+00            | 3.06E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| SB-124                     | 2007 | -3.42E+00                       | 5.08E+00            | 3.45E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| SB-125                     | 2007 | 1.80E+00                        | 5.27E+00            | 8.66E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| I-131                      | 2007 | -3.52E+00                       | 9.36E+00            | 1.53E+01 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| CS-134                     | 2007 | 3.95E+00                        | 2.94E+00            | 3.22E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| CS-137                     | 2007 | 9.28E-01                        | 1.99E+00            | 3.31E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| BA-140                     | 2007 | 1.38E+01                        | 1.74E+01            | 2.96E+01 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| LA-140                     | 2007 | 3.29E+00                        | 5.68E+00            | 9.73E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| CE-141                     | 2007 | 2.43E+00                        | 4.87E+00            | 6.95E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| CE-144                     | 2007 | 6.33E+00                        | 1.50E+01            | 2.22E+01 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | Sec         | U           |  | No |
| EU-154                     | 2007 | -1.13E-01                       | 3.74E+00            | 5.89E+00 | pCi/L |                      | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06   | 54509      | 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
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- 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

05/19/06 11:24

**L28405**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

| Sample ID: IP3-06-079<br>Station: MW-46 30 FT DEPTH<br>Description:<br>LIMS Number: L28405-5 |      |               |                     |          |       | Collect Start: 04/12/2006 17:15<br>Collect Stop:<br>Receive Date: 04/25/2006 |                |               |                | Matrix: Ground Water (WG)<br>Volume:<br>% 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 |
| RA-226                                                                                       | 2007 | 7.20E+00      | 4.62E+01            | 7.20E+01 | pCi/L |                                                                              | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06                                            | 54509      | Sec         | U No        |
| TH-228                                                                                       | 2007 | 3.79E+00      | 3.58E+00            | 5.15E+00 | pCi/L |                                                                              | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06                                            | 54509      | Sec         | U Yes       |
| TH-232                                                                                       | 2007 | -5.32E-01     | 7.55E+00            | 1.15E+01 | pCi/L |                                                                              | 3360.42        | ml            | 04/12/06 17:15 | 05/01/06                                            | 54509      | Sec         | U No        |
| Comment: 1 Count to Enviromental LLDs; RUSH                                                  |      |               |                     |          |       |                                                                              |                |               |                |                                                     |            |             |             |
| Sample ID: IP3-06-080<br>Station: U2 MANHOLE 5<br>Description:<br>LIMS Number: L28405-6      |      |               |                     |          |       | Collect Start: 04/17/2006 13:00<br>Collect Stop:<br>Receive Date: 04/25/2006 |                |               |                | Matrix: Ground Water (WG)<br>Volume:<br>% 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 |
| SR-90                                                                                        | 2019 | 1.92E-02      | 3.30E-01            | 5.43E-01 | pCi/L |                                                                              | 450            | ml            | 04/17/06 13:00 | 05/19/06                                            | 800        | M           | U           |
| Comment: 1 Count to Enviromental LLDs; 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

04/28/06 08:17

Teledyne Brown Engineering  
Sample Receipt Verification/Variance Report

SR #: SR08046

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

LIMS #: L28405

Initiated By: PMARSHALL

Init Date: 04/26/06 Receive Date: 04/25/06

## Notification of Variance

Person Notified: *Floyd Hood*Contacted By: *P. Charles*Notify Date: *5/1/06*Notify Method: *email w/ Acknowledgement*

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<br>IP3-06-080 |     | N  |    | Time on sheet 13:00 and time on container 13:30. Also, container says prior to outage. |
| 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

L28405  
P-4D

| unit yr id#<br>format (IPX-XX-XXX)<br>Teledyne Sample # | Sample ID                        | Sample Type | Start date | Start time | Stop date | Stop time | Volume or Area | Analysis         | Comments                         | Sample Size Units | Plant Code       |
|---------------------------------------------------------|----------------------------------|-------------|------------|------------|-----------|-----------|----------------|------------------|----------------------------------|-------------------|------------------|
| IP3-06-075                                              | MW-41, 63' depth                 | WG          | 12-Apr-06  | 14:45      |           |           | 1.000E+00      | SR-90, H-3, GELI | Count to Enviromental LLDs; RUSH | GAL               | EN002-3P50IP3-04 |
| IP3-06-076                                              | MW-41, 41' depth                 | WG          | 12-Apr-06  | 15:00      |           |           | 1.000E+00      | SR-90, H-3, GELI | Count to Enviromental LLDs; RUSH | GAL               | EN002-3P50IP3-04 |
| IP3-06-077                                              | MW-43, 28' depth                 | WG          | 12-Apr-06  | 12:45      |           |           | 1.000E+00      | SR-90, H-3, GELI | Count to Enviromental LLDs; RUSH | GAL               | EN002-3P50IP3-04 |
| IP3-06-078                                              | MW-43, 62' depth                 | WG          | 12-Apr-06  | 11:55      |           |           | 1.000E+00      | SR-90, H-3, GELI | Count to Enviromental LLDs; RUSH | GAL               | EN002-3P50IP3-04 |
| IP3-06-079                                              | MW-46, 30' depth                 | WG          | 12-Apr-06  | 17:15      |           |           | 1.000E+00      | SR-90, H-3, GELI | Count to Enviromental LLDs; RUSH | GAL               | EN002-3P50IP3-04 |
| IP3-06-080                                              | u2 manhole #5, curtain drain out | WG          | 17-Apr-06  | 13:00      |           |           | 1.000E+00      | SR-90            | 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*  
4/25/06

Count to Envirmental LLDs;  
Count H3 to 500 pCi/L

Rush sample results

Indian Point Energy Center  
Radiological Survey Sheet

Unit: ☐ 1  
☒ 2  
☐ 3

Survey Type: ☒ Dose rate ☒ Contamination ☐ Hot particle ☐ Airborne

Reason: ☐ Pre-job ☐ Weekly ☐ Pre-decon. ☐ Routine  
☐ Job coverage ☐ Monthly ☐ Post-decon. ☐ RWP Update  
☐ Post-Job ☐ Quarterly ☐ Annual ☒ Other SHIPPING

Location: 11-2

Component: WATER SAMPLES FROM  
VARIOUS MONITORING WELLS

Date: 4-16-06 Time: 1330

RWP No: 06-2001 Rx Power 100%

| Instrument | Serial No. | Cal. due | Source check                                |
|------------|------------|----------|---------------------------------------------|
| PRM-7      | 5304       | 7-12-06  | Sat <input checked="" type="checkbox"/> N/A |
| RM-14      | 5425       | 6-14-06  | <input checked="" type="checkbox"/>         |
| AC-4       | 5223       | 6-6-06   | <input checked="" type="checkbox"/>         |
| SAC-4      | 1077       | 5-3-06   | <input checked="" type="checkbox"/>         |

Area ☐ RCA ☐ Radiation ☐ High Rad Area ☐ LHRA ☐ REA ☐ VHRA ☐ Posting: ☐ Yes (if yes see below)  
Posting: ☐ Contam. ☐ High Contam. ☐ Hot Particle ☐ Airborne ☒ Radioactive Materials ☐ Changed? ☐ No (for IV signature)

| Smears:        | $\gamma$ | $\beta$ | $n$ | Hot Part. | Adhesive | Contam.     | Airborne (DAC) | Contamination Results |
|----------------|----------|---------|-----|-----------|----------|-------------|----------------|-----------------------|
| General levels | 5        | N       | N   | N         | N        | MDA/BCA 100 | MDA/SAC4 14    |                       |
| Maximum levels | 6        | T       | T   | T         | T        | MDA/BCA 100 | MDA/SAC4 14    |                       |

1) SURVEY OF 17 1GAL SAMPLE BOTTLES FROM VARIOUS MONITORING WELLS;

2) NO DETECTABLE ABOVE BKG WITH PRM-7 MICRO R METER.

3) DIRECT FRISK OF BOTTLES SHOWS NO DETECTABLE ABOVE BKG WITH RM-14

4) ALL SMEARS LMDA FOR  $\beta$  &  $\alpha$

COPY

Remarks / Work in progress: SHIP WATER SAMPLES FROM VARIOUS  
MONITORING WELLS, TO NPC & TELEDYNE  
RM-14 BKG = 60-80 CPM PRM-7 BKG = 5-6 MICRO R/HR

Independent Verification Name: N/A Print N/A Signature

Name: J. HALCOMB  
Surveyor Name Print  
J. Halcomb  
Surveyor Signature

Name: J. Halcomb  
Reviewed by Watch H.P. Print  
J. Halcomb  
Watch H.P. Signature

Name: CHRISTOPHER  
Reviewed by H.P. Supervisor Print  
Chris 4/16/06  
H.P. Supervisor Signature

Page 1 of 1  
Survey #: AL2-0200

\*D - Contact  $\gamma$  Dose Rate  
H - Gen. Area  $\gamma$  Dose Rate  
D  $\beta$  - Gen. Area  $\beta$  Dose Rate  
DN - Neutron Dose Rate  
⊕ - Smear location  
⊗ - Large Area Smear  
⊗ - Air Sample location



**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**

05/23/2006

LIMS #: L28502

Project ID#: EN002-3P50IP3-04

Received: 05/03/2006

Delivery Date: 06/02/2006

P.O. #: 4500539361

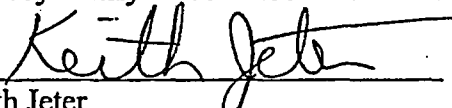
Release #:

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) |
|------------|---------------|---------------------------|
| IP3-06-091 | L28502-1      | BU SFP HX SPILL           |

# Report of Analysis

05/23/06 15:21

**L28502**

Entergy Nuclear Northeast

EN002-3P50IP3-04

Floyd Hood, Chem

| Sample ID: IP3-06-091    |      |               |                     | Collect Start: 04/21/2006 19:00 |           |       |                | Matrix: Soil     |                |            |            | (S)         |             |  |     |  |  |
|--------------------------|------|---------------|---------------------|---------------------------------|-----------|-------|----------------|------------------|----------------|------------|------------|-------------|-------------|--|-----|--|--|
| Station: BU SFP HX SPILL |      |               |                     | Collect Stop:                   |           |       |                | Volume:          |                |            |            |             |             |  |     |  |  |
| Description:             |      |               |                     | Receive Date: 05/03/2006        |           |       |                | % Moisture: 4.13 |                |            |            |             |             |  |     |  |  |
| LIMS Number: L28502-1    |      |               |                     |                                 |           |       |                |                  |                |            |            |             |             |  |     |  |  |
| 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                      | 2003 | 7.00E-02      | 2.55E-01            | 4.16E-01                        | pCi/g     |       | 5.0247         | g dry            |                | 05/19/06   | 135        | M           | U           |  |     |  |  |
| TOTAL SR                 | 2018 | -3.00E-02     | 3.25E-02            | 5.56E-02                        | pCi/g Dry |       | 5.3907         | g dry            | 04/21/06 19:00 | 05/19/06   | 400        | M           | U           |  |     |  |  |
| BE-7                     | 2007 | 1.32E-01      | 3.55E-01            | 5.96E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| K-40                     | 2007 | 9.41E+00      | 9.18E-01            | 4.59E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | +           |  | Yes |  |  |
| CR-51                    | 2007 | -1.60E-01     | 4.03E-01            | 6.46E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| MN-54                    | 2007 | 6.85E-03      | 3.52E-02            | 5.82E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| CO-57                    | 2007 | 5.42E-03      | 2.44E-02            | 4.07E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| CO-58                    | 2007 | -3.53E-03     | 3.95E-02            | 6.40E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| FE-59                    | 2007 | -1.07E-03     | 1.00E-01            | 1.64E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| CO-60                    | 2007 | 1.13E-01      | 3.78E-02            | 6.01E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | +           |  | Yes |  |  |
| ZN-65                    | 2007 | 4.75E-02      | 1.17E-01            | 1.67E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| NB-94                    | 2007 | 2.72E-02      | 3.03E-02            | 5.32E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| NB-95                    | 2007 | 1.19E-02      | 4.01E-02            | 6.72E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| ZR-95                    | 2007 | 2.55E-02      | 6.72E-02            | 1.14E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| MO-99                    | 2007 | 2.54E+01      | 4.41E+01            | 7.57E+01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| RU-103                   | 2007 | -1.42E-02     | 4.16E-02            | 6.69E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| RU-106                   | 2007 | 1.40E-01      | 3.01E-01            | 5.10E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| AG-110M                  | 2007 | 1.96E-01      | 4.83E-02            | 8.80E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U*          |  | No  |  |  |
| SB-124                   | 2007 | 1.95E-02      | 4.83E-02            | 6.85E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| SB-125                   | 2007 | 4.17E-02      | 9.07E-02            | 1.54E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| I-131                    | 2007 | -4.32E-02     | 1.78E-01            | 2.86E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| CS-134                   | 2007 | 9.36E-02      | 4.66E-02            | 7.35E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U*          |  | No  |  |  |
| CS-137                   | 2007 | 2.32E-01      | 5.04E-02            | 5.35E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | +           |  | Yes |  |  |
| BA-140                   | 2007 | -1.02E-01     | 3.24E-01            | 5.18E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| LA-140                   | 2007 | -4.10E-02     | 9.73E-02            | 1.51E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| CE-141                   | 2007 | -4.45E-02     | 6.42E-02            | 1.03E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| CE-144                   | 2007 | 4.72E-02      | 1.92E-01            | 3.21E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           |  | No  |  |  |
| EU-154                   | 2007 | 2.78E-02      | 4.87E-02            | 8.25E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | 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
- 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 15:21

**L28502**

Entergy Nuclear Northeast

EN002-3P50IP3-04



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

Floyd Hood, Chem

| Sample ID: IP3-06-091    |      |               |                     | Collect Start: 04/21/2006 19:00 |           |       |                | Matrix: Soil     |                |            |            | (S)         |             |     |  |
|--------------------------|------|---------------|---------------------|---------------------------------|-----------|-------|----------------|------------------|----------------|------------|------------|-------------|-------------|-----|--|
| Station: BU SFP HX SPILL |      |               |                     | Collect Stop:                   |           |       |                | Volume:          |                |            |            |             |             |     |  |
| Description:             |      |               |                     | Receive Date: 05/03/2006        |           |       |                | % Moisture: 4.13 |                |            |            |             |             |     |  |
| LIMS Number: L28502-1    |      |               |                     |                                 |           |       |                |                  |                |            |            |             |             |     |  |
| 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 | 1.54E+00      | 8.08E-01            | 1.03E+00                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | +           | Yes |  |
| TH-228                   | 2007 | 2.56E-01      | 5.35E-02            | 9.00E-02                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | +           | Yes |  |
| TH-232                   | 2007 | 1.37E-01      | 1.23E-01            | 2.69E-01                        | pCi/g Dry |       | 358.36         | g dry            | 04/21/06 19:00 | 05/12/06   | 6000       | Sec         | U           | Yes |  |

## 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

05/08/06 13:56

Teledyne Brown Engineering  
Sample Receipt Verification/Variance Report

SR #: SR08195

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

LIMS #: L28502

Initiated By: PMARSHALL

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

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)                                                 |     |    | N  |         |

Samples are designated as environmental for LLD purposes only. Samples were accompanied by rad paperwork.

Indian Point Energy Center

**Entergy Nuclear Operations, Inc.**  
Sample Collection/Receipt Sheet

L28502  
7-84

| unit yr id# format<br>(IPX-XX-XXX)Teledyne<br>Sample # | Sample ID                     | Sample Type | Start date | Start time | Stop date | Stop time | Volume or Area | Analysis                     | Comments                   | Sample Size Units | Plant Code       |
|--------------------------------------------------------|-------------------------------|-------------|------------|------------|-----------|-----------|----------------|------------------------------|----------------------------|-------------------|------------------|
| IP3-06-091                                             | DIRT SAMPLE - BU SFP HX SPILL | ST          | 21-Apr-06  | 19:00      |           |           | 1.108E+03      | SR-90, H-3, GELI,SR-90(FAST) | Count to Enviromental LLDs | GRAMS             | 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*

IP3