

From: "Axelson, William L" <WAxelso@entergy.com>
To: <JRW1@nrc.gov>, "Timothy Rice" <tbrice@gw.dec.state.ny.us>
Date: 3/2/06 2:13PM
Subject: FW: Daily Status Update 2-27-06

Here is the latest monitoring well status fyi

From: Lavera, Ron
Sent: Thursday, March 02, 2006 2:11 PM
To: Axelson, William L
Subject: FW: Daily Status Update 2-27-06

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

From: Lavera, Ron
Sent: Monday, February 27, 2006 5:21 PM
To: Bob Evers; Christopher English; Daniel Wilson; David Smith; Dennis Quinn; Don Mayer; Donald Croulet; dqinn@daq-inc.com <mailto:dqinn@daq-inc.com> ; Dragos Nuta; dwinslow@gza.com <mailto:dwinslow@gza.com> ; ERNEST PRICE; Gary Hinrichs; Hank Santis; James Peters; Jay Reynolds; Joe Kulaga; John Skonieczny; Kathy McMullin; Kenneth Morin; mbarvenik@gza.com <mailto:mbarvenik@gza.com> ; Michael Durfee; Michael Rutkoske; Nelson Azevedo; Paul Deeds; Richard Drake; Robert Oliveira; Ron Lavera; Ronald Sachatello; Sam Petrosi; T. R. Jones; Thomas Burns
Subject: Daily Status Update 2-27-06

<<022706A MONITORING WELL STATUS.doc>>

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A/91

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MONITORING WELL STATUS (Feb 27, 2006- hours)

| <u>Well Number</u> | <u>Location</u> | <u>Status</u> | <u>Next Step</u> | <u>Current Results</u> | <u>(Highest Historical Value)</u> |
|--------------------|-------------------|--------------------|--|---|--|
| MW-111 | Transformer Yard | Baseline Sample PT | Sampled (02/16/06) | 261,000 pCi/L | 302,000 pCi/L (11/10/05) |
| MW-30 | U-2 SFB | In service | Continue to sample Install permanent Packer Most recent sample | Raw Water (no Packer) Highest Packer Water: Low Flow Samples: | 399,000 pCi/L (11/18/05) 601,000 pCi/L (11/22/05) 511,000 pCi/L (02/07/06) |
| MW-31 | MOB side walk | In service | Sampled 02/07/06 | 33,100 pCi/L | 33,100 pCi/L (02/07/06) |
| MW-32 | U-2 SFB Alley Way | In service | Sampled 02/07/06 | 17,700 pCi/L | 17,700 pCi/L (02/07/06) |
| MW-33 | Transformer Yard | In service | Sampled 02/16/06 | <u>261,000 pCi/L</u> | 261,000 pCi/L (02/16/06) |
| MW-34 | Transformer Yard | In service | Sampled 02/16/06 | <u>199,000 pCi/L</u> | 212,000 pCi/L (01/27/06) |
| MW-35 | Transformer Yard | In service | Sampled 02/16/06 | <u>90,500 pCi/L</u> | 104,000 pCi/L (01/27/06) |
| MW-36 | U-2 Turbine Bldg | In service | Sampled 02/07/06 Sampled 02/10/06 Sampled 02/10/06 | 26' =20,000 pCi/L 41' =47,500 pCi/L 53' =22,400 pCi/L | 47,500 pCi/L (02/10/06) |

| | | | | |
|---------|----------------------|------------|----------------------------|---|
| MW-37 | U-2 Turbine Bldg | In Service | Continue periodic sampling | 10,700 pCi/l @ -3' to -7' (2/17/06) 16,800 pCi/l @ -13' to -17' (2/17/06) 16,000 pCi/l @ -23' to -25.5' (2/17/06) 30,010 pCi/l @ -37' to -42' (2/17/06) |
| MW-38 | South U-3 Boundary | In service | Continue periodic sampling | <u>Split Sample MW-38 Results:</u> Fitzpatrick Result: 985 pCi/l (12/08/05) Teledyne ND (<346 pCi/l) (2/8/06) <u>Non Split- Fitzpatrick Results only</u> Fitzpatrick Result: N.D. (12/30/05) Fitzpatrick Result: 1008 pCi/l (01/10/06) Fitzpatrick Result: 758 pCi/L (01/19/06) Fitzpatrick Result: 1,444 pCi/L (01/25/06) |
| MW-48 * | South Prop. Boundary | In Service | | ND [<342 pCi/l] (2/8/06) 250 pCi/l (2/8/06) NYSDEC |

| <u>Well Number</u> | <u>Location</u> | <u>Status</u> | <u>Next Step</u> | <u>Current Results</u> | <u>(Highest Historical Value)</u> |
|--------------------|----------------------------|------------------------|------------------|------------------------|-----------------------------------|
| MW-40 | Lot above Sewer Plant | Well developed | Count samples | | |
| MW-39 | U1 SFB /U3 RWST | Well completed | Take Samples | | |
| MW-46 | U-3 Transformer Yard | Drilling completed | Take Samples | | |
| MW-42 | U-1 CTMT/U-2 Diesel Area | Needs to be relocated | Relocate well | | |
| MW-47 | West side of U-1 | Vacuumed to 7' | Begin drilling | | |
| MW-41 | South of U-3 RWST | Drilled 35' of 65' | Complete well | | |
| MW-45 | U3 between Aux and SFB | Needs to be relocated | Relocate well | | |
| MW-43 | South U-3 Tank Pit /RWST | Ready to drill | Drill well | | |
| MW-44 | U3 North of SFB | Vacuumed to 7' | Drill well | | |
| MW-51 | South, upgradient to MW-40 | Vacuumping in progress | Drill well | | |
| MW-52 | North property boundary | Determine drill area | Vacuum evacuate | | |

CURRENT WELL STATUS

| <u>Phase I Wells</u> | <u>Status</u> |
|----------------------|---|
| MW-30 | Completed |
| MW-31 | Completed |
| MW-32 | Completed <i>(Packer Testing in progress)</i> |
| MW-33 | Completed |
| MW-34 | Completed |
| MW-35 | Completed |
| MW-36 | Completed |
| MW-37 | Completed (Re-developing, will be ready for sampling Thursday)(in progress) |
| MW-38 | Completed |

| <u>Phase II Wells Sequence</u> | <u>(see note below)</u> | <u>Status (Feb 22, 2006)</u> |
|--------------------------------|--|--|
| MW-39 * | South of Unit 1 Fuel Storage Building | <i>(Developed and ready to sample)</i> |
| MW-40 * | Parking Lot above Sewerage Plant | <i>(Rock cave in at 27'. Waiting to rim well with drill rig)HOLD.</i> |
| MW-42 * | West of Unit 2 RWST | <i>(needs relocation, pilot wire interference)</i> |
| MW-46 * | West of Unit 3 PAB Sump | <i>(Developed and ready to sample)</i> |
| MW-41 | South of Unit 3 RWST | <i>(Re-drilled well in new location, 35' of</i> |
| MW-43 | South of Unit 3 Tank Pit and RWST | <i>(Drilled casing to 47' out of 65'')(in progress)</i> |
| MW-44 | North of Unit 3 Fuel Storage Building | <i>(vacuumed-ready to drill)</i> |
| MW-45 | Between Unit 3 Fuel Storage Building/PAB | <i>(ready for vacuum truck)</i> |
| MW-47 | West of Unit 1 Fuel Storage Building | <i>(Vacuum completed)</i> |
| MW-49 | West side of Unit 3 Discharge Canal | <i>(Needs Engineering OK)</i> |
| MW-50 | East side of Unit 3 Discharge Canal | <i>(Needs Engineering OK)</i> |
| MW-51 | Southern property hill north of MW-40 | <i>(vacuumed-ready to drill)</i> |
| MW-52 | Northern property boundary | <i>(Needs Engineering OK)</i> |

***Note:**

Wells numbering 39, 40, 48, 42, 46 are priority wells at this time and may be drilled, developed, and sampled in a changing sequence within this subset based on depth of well considerations, equipment setup options, engineering paperwork delivery, and development status.

RECENT INFORMATION:

(Activity in pCi/L)

MOST RECENT RESULTS (in pCi/L)

| | | | | | |
|--------|-----------------|------------|-----------|----|------------|
| MW-30 | 511,000 | (02/07/06) | Algonquin | ND | (02/04/06) |
| MW-31 | 33,100 | (02/07/06) | Gypsum | ND | (02/04/06) |
| MW-32 | 17,700 | (02/07/06) | Trap Rock | ND | (02/04/06) |
| MW-33 | 214,000 | (02/07/06) | | | |
| MW-34 | 174,000 | (02/07/06) | | | |
| MW-35 | 84,500 | (02/07/06) | | | |
| MW-36 | 47,500 (at 41') | (02/10/06) | | | |
| MW-111 | 238,000 | (02/07/06) | | | |

TREND INFORMATION

| DATE: | <u>11/22/05</u> | <u>12/13-16</u> | <u>12/19/05</u> | <u>12/30/05</u> | <u>01/06/06</u> | <u>01/13/06</u> | <u>01/20/06</u> | <u>01/27/06</u> | <u>02/01/06</u> |
|---------|--|-----------------|-----------------|-----------------|-----------------|----------------------------------|-----------------|---------------------------|--------------------|
| MW-30: | 464,000-601,000 | | | | | | | 119,000-319,000 (1/30/06) | |
| MW-31: | | | | 4,061 | | 4,030 | 656-2,160 | 7910 | 22,100 |
| MW-32: | | | | | | 3,720 | 7,110-11,110 | | well not available |
| MW-33: | | 142,000 | 199,000 | 220,000 | 189,000 | 232,000 | 226,000 | 242,000 | 250,000 |
| MW-34: | | 63,900 | 121,000 | 147,000 | 159,000 | 131,000 | 211,000 | 212,000 | 224,000 |
| MW-35: | | 42,300 | 76,000 | 80,500 | 95,400 | 97,800 | 104,000 | 38,700 | 51,300 |
| MW-111: | | 296,000 | 192,000 | 212,000 | 113,000 | 199,000 | 119,000 | Recounting | 295,000 |
| MW-38: | Most recent Split Sample results: 985 (Fitzpatrick 12/08/05)) | | | | | 701 State of New York (12/08/05) | | | |
| | Most recent Fitzpatrick results: Not detected (Fitzpatrick 12/30/05) | | | | | | | | |
| | 1,008 (Fitzpatrick 01/10/06) | | | | | | | | |
| | 758 (Fitzpatrick 01/19/06) | | | | | | | | |
| | 1,440 (Fitzpatrick 01/25/06) | | | | | | | | |

| <u>Unit 2 Storm Drain</u> | <u>Jan 19, 2006 (pCi/l)</u> | <u>Jan 24, 2006</u> | <u>Jan 30, 2006</u> | <u>Feb 16, 2006</u> |
|---------------------------------------|-----------------------------|---------------------|---------------------|---------------------|
| MH1 (U-2 riverfront) | | | ND | |
| MH2 (U-2 riverfront) | ND | ND | ND | <u>ND</u> |
| MH3 (North end of U-2 Turbine) | 2,240 | | 2,190 | <u>1700</u> |
| MH4 (Entrance to U2 Transformer Yard) | 3,780 | | 1,180 | <u>3030</u> |
| MH5 (U-2 Aux Feed Bldg) | 3,570 | | 1,070 | <u>4040</u> |
| MH6 (U2 Transformer Yard) | 18,600 | | 50,500 | <u>8770</u> |
| MH7(U2 Transformer Yard) | 3,840 | | 7,300 | <u>ND</u> |
| MH8 (U2 Transformer Yard) | 3,210 | | 9,580 | <u>ND</u> |
| MH12 (U2 Riverfront) | ND | ND | ND | |
| MH14 (U2 Riverfront) | | ND | ND | <u>ND</u> |
| CB15 (U2 Riverfront) | | ND | ND | <u>ND</u> |

Unit 3 Storm Drain Manholes taken Jan 19, 2006 (pCi/l):

| | |
|---------------------------------------|-------|
| A2 (Near U-3 RWST) | ND |
| A4 (Near U-3 RWST) | 1,190 |
| A6 (Near U-3 RWST) | 686 |
| B5 (Entrance to 3 Transformer Yard) | 3,320 |
| E1 (Unit 3 Roadway to Security Post) | ND |
| E2 (Unit 3 Roadway to Security Post) | ND |
| E2B (Unit 3 Roadway to Security Post) | ND |
| E3 (Unit 3 Roadway to Security Post) | ND |
| E3A (Unit 3 Roadway to Security Post) | ND |

TREND COMPARISON

| <u>Unit 3 Storm Drain Locations</u> | <u>01/19/06</u> | <u>01/17/06</u> | <u>01/12/06</u> |
|--|-----------------|-----------------|-----------------|
| A2 U3 RWST | ND | | |
| A4 U3 RWST | 1,190 | | |
| A6 U3 RWST | 686 | | |
| B1 U-3 Transformer Yard | | 5010 | 4530 |
| B3 U-3 Transformer Yard | | 4650 | 6280 |
| B4 U-3 Transformer Yard | | 3600 | 3180 |
| B5 U-3 Transformer Yard | 3,320 | | |
| B6 U-3 Transformer Yard | | ND | |
| B7 U-3 Transformer Yard | | 2690 | 2510 |
| B8 U-3 Transformer Yard | | ND | |
| C1 U-3 North of Service Bldg | | 867 | 997 |
| D2 U-3 South of Service Bldg | | ND | ND |
| E4 U-3 Access Road to Command Post | | ND | |
| E1 U3 Access Road to Command Post | ND | | |
| E2 U3 Access Road to Command Post | ND | | |
| E2B U3 Access Road to Command Post | ND | | |
| E3 U3 Access Road to Command Post | ND | | |
| E3A U3 Access Road to Command Post | ND | | |
| E4A U-3 Access Road to Command Post | | ND | |
| E5 U-3 Access Road to U3 Command Post | | ND | |
| E5A U-3 Access Road to U3 Command Post | | ND | |
| E6 U-3 Access Road to U3 Command Post | | ND | |
| E7 U-3 Access Road to U3 Command Post | | ND | |