

From: "Bowman, Greg " <GBowm90@entergy.com>
To: "sms4@nrc.gov" <sms4@nrc.gov>
Date: 3/15/06 8:39AM
Subject: FW: MONITORING WELL STATUS-FEBRUARY 6, 2006-1600 HOURS

From: Croulet, Donald
Sent: Tuesday, February 07, 2006 6:12 AM
To: Conroy, Pat; Cox, Mark R; Bowman, Greg ; Janicki, John; 'James Noggle'; 'Timothy Rice'; PRICE, ERNEST JR; Robert Oliveira (boliveira@amnucins.com)
Subject <mailto:boliveira@amnucins.com>Subject> : FW: MONITORING WELL STATUS-FEBRUARY 6, 2006-1600 HOURS

From: Sachatello, Ronald
Sent: Monday, February 06, 2006 4:04 PM
To: Rutkoske, Michael; Jones, T. R.; Skonieczny, John; Drake, Richard; Nuta, Dragos A; Deeds, Paul; Bode, Paul M.; English, Christopher; Peters, James; Wilson, Daniel; Sandike, Steven; Kulaga, Joe; Morin, Kenneth; Croulet, Donald; Durfee, Michael; Hinrichs, Gary; Lavera, Ron; Thiery, Al; Evers, Bob; McMullin, Kathy; Burns, Thomas; Colville, Richard; Colville, Howard J.; Daniele, John C.; Tamburi, Robin M.; Loope, Dennis; Davey, Peter
Cc: Axelson, William L; Mayer, Don; Sachatello, Ronald
Subject: MONITORING WELL STATUS-FEBRUARY 6, 2006-1600 HOURS

<<MONITORING WELL STATUS.doc>>

MW-37 Drilled 29' of 57'
MW-39 Drilled 47' of 200'
MW-40 Ready to be sampled by NEM
MW-42 Vacuum truck excavation in progress
Splint Samples: Performing split samples Tuesday, Feb 7, 2006 with State and NRC
Water Front Samples: Boat Hudson River sampling on Wed Feb. 8, 2006 with State and NRC

A1139

Mail Envelope Properties (44181917.153 : 1 : 57683)

Subject: FW: MONITORING WELL STATUS-FEBRUARY 6, 2006-1600 HOURS
Creation Date: 3/15/06 8:39AM
From: "Bowman, Greg " <GBowm90@entergy.com>
Created By: GBowm90@entergy.com

Recipients

nrc.gov
kp1_po.KP_DO
SMS4 (Stacy Smith)

Post Office
kp1_po.KP_DO

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| Files | Size | Date & Time |
|----------------------------|-------------|------------------------|
| MESSAGE | 1546 | 03/15/06 08:39AM |
| TEXT.htm | 3591 | |
| MONITORING WELL STATUS.doc | | 58880 |
| Mime.822 | 88183 | |

Options

Expiration Date: None
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Reply Requested: No
Return Notification: None

Concealed Subject: No
Security: Standard

MONITORING WELL STATUS (Feb 6, 2006-1600 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 | Current result: | 119,000 pCi/l (01/20/06) | 302,000 pCi/L (11/10/05) |
| MW-30 | U-2 SFB | Sampled 01/30/06 | Count Samples Install permanent Packer | Raw Water (no Packer) Highest Packer Water: Low Flow Samples: | 399,000 pCi/L (11/18/05) 601,000 pCi/L (11/22/05) 319,000 pCi/L (01/30/06) |
| MW-31 | MOB side walk | Well Installed Packer Test Done | Sampled 01/26/06 Packer samples | No Packer: Packer Results: | 7,910 pCi/L (01/26/06) 656- 2,160 pCi/L (01/18/06) |
| MW-32 | U-2 SFB Alley Way | Well installed Packer Results: 7,110-11,110 pCi/L (01/20/06) | Complete Testing | Raw Water (no Packer) | 3,720 pCi/L (01/13/06) |
| MW-33 | Transformer Yard | Well installed | Sampled water (01/27/06) | 242,000 pCi/L | 242,000 pCi/L (01/27/06) |
| MW-34 | Transformer Yard | Well installed | Sampled water (01/27/06) | 212,000 pCi/L | 212,000 pCi/L (01/27/06) |
| MW-35 | Transformer Yard | Well installed | Sampled water (01/27/06) | 38,700 pCi/L | 104,000 pCi/l (01/27/06) |
| MW-36 | U-2 Turbine Bldg | Well is developed | NEM take samples | | |
| MW-37 | U-2 Turbine Bldg | Down to 29' of 57' | Complete drilling | | |
| MW-38 | South U-3 Boundary NY State Result: 701 pCi/l (12/08/05) | Well in service | Continue periodic sampling | <u>Split Sample MW-38 Results:</u> Fitzpatrick Result: 985 pCi/l (12/08/05) <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-40 | Lot above Sewer Plant | Well developed | NEM take samples | | |
| <u>Well</u> | <u>Location</u> | <u>Status</u> | <u>Next</u> | <u>Current</u> | |

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| <u>Number</u> | | | <u>Step</u> | <u>Results</u> | <u>(Highest Historical Value)</u> |
|---------------|----------------------------|------------------------|----------------------------|----------------|-----------------------------------|
| MW-48 | Furthest South Well | Well developed | NEM take samples | | |
| MW-39 | (U1 SFB /U3 RWST) | 47' of 200' | Complete well drilling | | ESL |
| MW-46 | U-3 Transformer Yard | Vacuum evacuated to 6' | Begin drilling | | |
| MW-42 | (U-1 CTMT/U-2 Diesel Area) | Vacuum in progress | Complete vacuum excavation | | ESL |

CURRENT WELL STATUS

| <u>Phase I Wells</u> | <u>Status</u> |
|----------------------|------------------------------|
| MW-30 | Completed |
| MW-31 | Completed |
| MW-32 | Completed |
| MW-33 | Completed |
| MW-34 | Completed |
| MW-35 | Completed |
| MW-36 | Completed (sample this week) |
| MW-37 | Drilling in progress |
| MW-38 | Completed |

| <u>Phase II Wells Sequence</u> (see note below) | <u>Status (Feb 02, 2006)</u> |
|---|-------------------------------|
| MW-39 * South of Unit 1 Fuel Storage Building | (37' of 200' drilled) |
| MW-40 * Parking Lot above Sewerage Plant | (develop well & sample) |
| MW-48 * Furthest Southerly Property Boundary | (NEM to sample this week) |
| MW-42 * West of Unit 2 RWST | (vacuum in progress) |
| MW-46 * West of Unit 3 PAB Sump | (vacuumed-ready for drilling) |
| MW-41 South of Unit 3 RWST | (Ready to vacuum) |
| MW-43 South of Unit 3 Tank Pit and RWST | (Ready to vacuum) |
| MW-44 North of Unit 3 Fuel Storage Building | (Ready to vacuum) |
| MW-45 Between Unit 3 Fuel Storage Building/PAB | |
| MW-47 West of Unit 1 Fuel Storage Building | (Ready to vacuum) |
| MW-49 West side of Unit 3 Discharge Canal | (Ready to vacuum) |
| MW-50 East side of Unit 3 Discharge Canal | (Ready to vacuum) |
| MW-51 Southern property hill north of MW-40 | (ready to vacuum) |
| MW-52 Northern property boundary | (Location not established) |

***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 TREND INFORMATION:

(Activity in pCi/L)

MONITORING WELLS (in pCi/L)

| 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>01/30/06</u> | |
|---------|---|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------------------------|-----------------|---------------------|--|
| MW-30: | 464,000-601,000 * | | | | | | | | 119,000-319,000**** | |
| MW-31: | | | | 4,061 | | 4,030 | 656-2,160 ** | 7910 | | |
| MW-32: | | | | | | 3,720 | 7,110-11,110 *** | | | |
| MW-33: | | 142,000 | 199,000 | 220,000 | 189,000 | 232,000 | 226,000 | 242,000 | | |
| MW-34: | | 63,900 | 121,000 | 147,000 | 159,000 | 131,000 | 211,000 | 212,000 | | |
| MW-35: | | 42,300 | 76,000 | 80,500 | 95,400 | 97,800 | 104,000 | 38,700 | | |
| MW-111: | | 296,000 | 192,000 | 212,000 | 113,000 | 199,000 | 119,000 | Recounting | | |
| 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) | | | |

* Temporary Packer results at various well heights from MW-30 (taken 11/22/05)

** Temporary Packer results at various well heights from MW-31 (taken 01/16-01/18/06)

*** Temporary Packer results at various well heights from MW-32 (taken 01/20/06)

**** Low Flow test (not Packer test) at four well heights from MW-30 (taken 01/30/06)

Unit 2 Storm Drain

Jan 19, 2006 (pCi/l)

Jan 24, 2006

| | | |
|---------------------------------------|--------|------------------|
| MH2 (U-2 riverfront) | ND | ND (river front) |
| MH3 (North end of U-2 Turbine) | 2,240 | |
| MH4 (Entrance to U2 Transformer Yard) | 3,780 | |
| MH5 (U-2 Aux Feed Bldg) | 3,570 | |
| MH6 (U2 Transformer Yard) | 18,600 | |
| MH7 (U2 Transformer Yard) | 3,840 | |
| MH8 (U2 Transformer Yard) | 3,210 | |
| MH12 (U2 Riverfront) | ND | ND (river front) |
| MH14 (U2 Riverfront) | | ND (river front) |
| CB15 (U2 Riverfront) | | ND (river front) |

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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 |

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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 | |

EAE