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**Date:** 2/15/06 8:57AM  
**Subject:** FW: MONITORING WELL STATUS-FEBRUARY 15, 2006-0600

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**From:** Sachatello, Ronald  
**Sent:** Wednesday, February 15, 2006 8:09 AM  
**To:** Rutkoske, Michael; Jones, T. R.; Skonieczny, John; Drake, Richard; Nuta, Dragos A; Deeds, Paul; Bode, Paul M.; English, Christopher; Peters, James; Sandike, Steven; Wilson, Daniel; English, Christopher; Croulet, Donald; Jones, T. R.; Durfee, Michael; Hinrichs, Gary; Lavera, Ron; Thiery, Al; Bode, Paul M.; Evers, Bob; McMullin, Kathy; 'mbarvenik@gza.com'; 'David Winslow'; Loope, Dennis; Burns, Thomas; Colville, Richard; Colville, Howard J.; Daniele, John C.; Tamburi, Robin M.; Kulaga, Joe; Morin, Kenneth  
**Cc:** Axelson, William L; Mayer, Don; Sachatello, Ronald  
**Subject:** MONITORING WELL STATUS-FEBRUARY 15, 2006-0600

<<MONITORING WELL STATUS.doc>>

Conducted Tritium Workshop February 14, 2006 with:

Salem  
Brookhaven National Laboratory  
Connecticut Yankee  
Yankee Rowe  
Seabrook Station  
Arcadis  
CH2Mhill  
GZA

A/61

## MONITORING WELL STATUS (Feb 15, 2006-0600 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 (02/07/06)	238,000 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 02/07/06	214,000pCi/L	242,000 pCi/L (01/27/06)
MW-34	Transformer Yard	In service	Sampled 02/07/06	174,000 pCi/L	212,000 pCi/L (01/27/06)
MW-35	Transformer Yard	In service	Sampled 02/07/06	84,500 pCi/L	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	Developed	NEM to take samples		
MW-38	South U-3 Boundary	In service	Continue periodic sampling	<u>Split Sample MW-38 Results:</u> NY State Result: 701 pCi/l (12/08/05) 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)	

<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-48	Furthest South Well	Well developed	Count samples		
MW-39	U1 SFB /U3 RWST	Well completed	Develop well		
MW-46	U-3 Transformer Yard	Casing in 7' and grouted	Drill well		
MW-42	U-1 CTMT/U-2 Diesel Area	Needs to be relocated			
MW-47	West side of U-1	Vacuumed to 7'	Begin drilling		
MW-41	South of U-3 RWST	Casing in 15' and grouted	Drill well		
MW-45	U3 between Aux and SFB	Needs to be relocated			
MW-44	U3 North of SFB	Vacuumed to 7'			
MW-51	South, upgradient to MW-40	Vacuuming in progress			

# 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
MW-37	Completed
MW-38	Completed

## Phase II Wells Sequence (see note below)

## Status (Feb 15, 2006)

MW-39 *	South of Unit 1 Fuel Storage Building	(developing)
MW-40 *	Parking Lot above Sewerage Plant	(in service)
MW-48 *	Furthest Southerly Property Boundary	(in service)
MW-42 *	West of Unit 2 RWST	(needs relocation)
MW-46 *	West of Unit 3 PAB Sump	(drilling)
MW-41	South of Unit 3 RWST	(drilling)
MW-43	South of Unit 3 Tank Pit and RWST	(vacuumed-ready to drill)
MW-44	North of Unit 3 Fuel Storage Building	(vacuumed-ready to drill)
MW-45	Between Unit 3 Fuel Storage Building/PAB	(needs relocation)
MW-47	West of Unit 1 Fuel Storage Building	(Vacuum completed)
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	(vacuumed-ready to drill)
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)								

### MOST RECENT RESULTS (in pCi/L)

MW-30	511,000	(02/07/06)
MW-31	33,100	(02/07/06)
MW-32	17,700	(02/07/06)
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)

**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)

**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	