

**From:** "Croulet, Donald" <dcroule@entergy.com>  
**To:** "Conroy, Pat" <PConroy@entergy.com>, "Cox, Mark R" <mcox90@entergy.com>, "Bowman, Greg" <GBowm90@prod.entergy.com>, "Janicki, John" <JJanick@entergy.com>, "James Noggle" <JDN@nrc.gov>, "Timothy Rice" <tbrice@gw.dec.state.ny.us>, "boliveira@amnucins.com" <boliveira@amnucins.com>, "PRICE, ERNEST JR" <EPRICE2@entergy.com>  
**Date:** 1/16/06 3:12PM  
**Subject:** FW: MONITORING WELL STATUS -JANUARY 13, 2006, 0600

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**From:** Sachatello, Ronald  
**Sent:** Friday, January 13, 2006 6:21 AM  
**To:** Hinrichs, Gary; Rutkoske, Michael; Skonieczny, John; Drake, Richard; Nuta, Dragos A; Deeds, Paul; Bode, Paul M.; English, Christopher; Peters, James; Wilson, Daniel; Sandike, Steven; Leach, Don; Croulet, Donald; Kulaga, Joe; Morin, Kenneth; Durfee, Michael; Santis, Hank; Lavera, Ron; Thiery, Al; Evers, Bob; Loope, Dennis; Burns, Thomas; Glander, Lori; Daniele, John C.; Colville, Howard J.; Colville, Richard; Zolotas, William; McMullin, Kathy; Halcomb John W  
**Cc:** Mayer, Don; Axelson, William L; Sachatello, Ronald  
**Subject:** MONITORING WELL STATUS -JANUARY 13, 2006, 0600

Area of Interest

<<MONITORING WELL STATUS.doc>>

**Recent Status:**

**MW-31** Getting Packer assembly ready to install into MW-31 for sampling at various depths

**MW-32** Took raw water sample (counting now). Will sample again when the Packer assembly is installed

**MW-36/37** Bored through concrete floor to subsoil (about 9"). Get ready to install 6.5 ton electric drilling machine into Turbine Building to drill actual monitoring well.

**Storm Drains** Counting samples taken from Unit 1 and 3 storm drains. Updating informational maps showing storm drain locations with new sampling data results as they become available.

**Inspections:** Met with ANI to update them on Tritium investigation

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## MONITORING WELL STATUS (Jan 13, 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	Current result:	113,000 pCi/l (01/06/06)	302,000 pCi/l (11/04/05)
MW-30	U-2 SFB	Not in Service Adding casings to reach 80'el	Add permanent Packer	Raw Water: Packer test Water:	399,000 pCi/l (11/23/05) 600,000 pCi/l (11/24/05)
MW-31	MOB side walk	Well Installed Awaiting temporary Packer	Sampled 12/30/05 Install Packer		4,060 pCi/l (12/30/05)
MW-32	U-2 SFB Alley Way	Well installed Sampled "raw" water prior to Packer installation 01/12/06	Install temporary Packer	Raw water being counted	
MW-33	Transformer Yard	Well installed	Sampled water (01/06/06)	189,000pCi/l	220,000 pCi/l (12/30/05)
MW-34	Transformer Yard	Well installed	Sampled water (01/06/06)	159,000 pCi/l	159,000 pCi/L) (01/06/06)
MW-35	Transformer Yard	Well installed	Sampled water (01/06/06)	95,400 pCi/l	95,400 pCi/l (01/06/06)
MW-36	U-2 Turbine Bldg	Drilled through concrete floor down to subsoil level (about 9")	Start electric drilling for well hole		
MW-37	U-2 Turbine Bldg	Drilled through concrete floor Down to subsoil level (about 8")	Start electric drilling for well hole		
MW-38	South U-3 Boundary	Well in service	Continue periodic sampling	<u>SPLIT SAMPLE MW-38 RESULT:</u> NY State Result: 701 pCi/l (12/08/05) FitzPatrick Result: 985 pCi/l (12/08/05)	

Most recent MW-38 FitzPatrick results: Not Detected (12/30/05)

# CURRENT WELL STATUS

## Phase I Wells

MW-30	Completed (extending casing to 80' el)
MW-31	Completed
MW-32	Completed
MW-33	Completed
MW-34	Completed
MW-35	Completed
MW-36	Working
MW-37	Start after MW-36
MW-38	Completed

## Phase II Wells Sequence (see note below)

MW-39 *	South of Unit 1 Fuel Storage Building
MW-40 *	Parking Lot above Sewerage Plant
MW-48 *	Furthest Southerly Property Boundary
MW-42	West of Unit 2 RWST
MW-46	West of Unit 3 PAB Sump
MW-41	South of Unit Unit 3 RWST
MW-43	South of Unit 3 Tank Pit and RWST
MW-44	North of Unit 3 Fuel Storage Building
MW-45	Between Unit 3 Fuel Storage Building and PAB
MW-47	West of Unit 1 Fuel Storage Building
MW-49	West side of Unit 3 Discharge Canal
MW-50	East side of Unit 3 Discharge Canal
MW-51	Southern property hill north of MW-40
MW-52	Northern property boundary

### \*Note:

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

## RECENT TREND INFORMATION:

(Activity in pCi/L)

### MONITORING WELLS (in pCi/l)

DATE:	<u>11/24/05</u>	<u>12/13-16</u>	<u>12/19/05</u>	<u>12/30/05</u>	<u>01/06/06</u>
MW-30:	600,000 (ONLY SAMPLE TAKEN WITH TEMPORARY PACKER SYSTEM)				
MW-31:	4061				
MW-32:	STILL DRILLING		STILL DRILLING		
MW-33:	142,000	199,000	220,000	189,000	
MW-34:	63,900	121,000	147,000	159,000	
MW-35:	42,300	76,000	80,500	95,400	
MW-111:	296,000	192,000	212,000	113,000	
MW-38:	Most recent split sample results: 985 (FitzPatrick 12/08/05)			701 State of New York (12/08/05)	
	Not detected (FitzPatrick 12/30/05)				

### STORM DRAINS (in pCi/l)

(MOST RECENT RESULTS)

MH-1	MDA (goes to river)	MH-9	2,140
MH-2	MDA (goes to river)	MH-10	2,940
MH-3	3,450	MH-12	MDA (goes to river)
MH-4	3,070	MH-14	MDA (goes to river)
MH-4A	3,380	MH-2A	MDA (near U2 Diesel)
MH-5	3,480	CB 4	1,010 (near U-2 RWST)
MH-6	13,000	CB-24	822 (near Security Command Post)
MH-7	8,140		
MH-8	5,740		