Beissel, Dennis

From: Sent: To: Subject: Attachments: Noggle, James J Tuesday, March 02, 2010 1:52 PM Beissel, Dennis J A couple of VY maps VYWell locations.pdf; VYGWcontours_Jan%2010_REV-1.pdf

I have attached an early site groundwater contour map and a recent map of monitoring well locations. The corresponding tritium concentrations are in the following table.

	GZ-1	GZ-2	GZ-3	GZ-4	GZ-5	GZ-6	GZ-7 ~
pCi/L	<700+220	<1800 <u>+</u> 570	705- 40,000 <u>+</u> 1300	1400- 3200 <u>+</u> 220	<700 <u>+</u> 220	<660 <u>+</u> 200	737,000- 891,000 <u>+</u> 5350
Date	11/07-2/10	2/3-4/10	11/09-2/10	1/30-2/7/10	11/07-2/10	1-2/10	2/10
	GZ-8	GZ-9	GZ-10	GZ-11	GZ-12	GZ-13	GZ-14
pCi/L	dry	<660 <u>+</u> 200	2.2- 2.45E6 <u>+</u> 9000	<660 <u>+</u> 200	6900- 15,700 <u>+</u> 900	<660 <u>+</u> 200	63,400- 85,800 <u>+</u> 1800
Date		2/10	2/10	2/10	2/10	2/10	. 1-2/10

* GZ-8 is upgradient from the plant and this groundwater monitoring well will be used for evaluating groundwater flow characteristics

Regards,

Jim

Admin 307

Information in this record was deleted in eccordance with the Freedom of Information Act. Exemptions

ccil

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Summary from the Afternoon Phone Call with VY on Tritium (4/7/10)

Sample results provided on the call:

- GZ-3 52,000 pCi/L
- GZ-4 2,400 pCi/L
- GZ-7 757,000 pCi/L
- GZ-10 Less than minimum detectable
- GZ-11 750 pCi/L
- GZ-12 267,000 pCi/L
- GZ-13D 1,200 pCi/L
- GZ-14 258,000 pCi/L
- GZ-15 710,000 pCi/L
- GZ-20 130,000 pCi/L
- GZ-21 2,028,000 pCi/L

Relative to well GZ-11, they stated that the 750 pCi/L result is from a 3/22 sample, which was taken prior to when they began pumping water as a part of their groundwater remediation activities. They stated that they do not view this as an unexpected result, and they stated that there is no reason to believe it is a new leak.

They stated that they shifted from extraction well GZ-EW-1 to extraction well GZ-EW-1A and are getting a better flow rate of approximately three gallons per minute. Additionally, they are continuing with preparations to run extraction water to the rad waste system. They estimated that the "clean" frac tank currently contains approximately 6,000 gallons of water, and the "dirty" frac tank currently contains approximately 15,000 gallons of water.

They are continuing with soil remediation preparations.

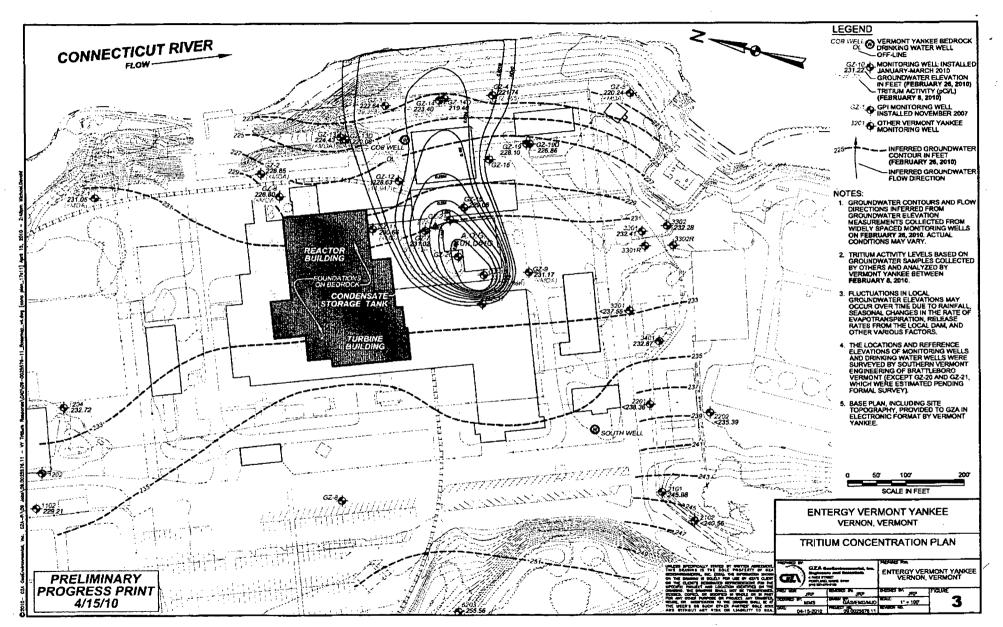
Technical stakeholders from the state of New Hampshire were on site today (4/7).

They stated that they will have their public forum on Monday (4/12).

Reference and Groundwater Elevation Information for Bedrock Wells

Vermont Yankee Vernon, Vermont

Well Name	Location/Function	Total Depth (ft)	Bottom Elevation (ft)	Reference Elevation (ft)	Groundwater Elevation 15-Mar-10	Groundwater Elevation 31-Mar-10	Groundwater Elevation 06-April-10
COB Well	VYNPS, currently out of service, formerly served COB Building	350	-97.42	253.28	225.3	225.5	225.3
PSB Well	VYNPS, currently serves PSB Building	503	-239.61	263.69	256.1	254.5	256.0
South Well	VYNPS, limited service to site	496	-242.24	253.86	235.6	237.7	237.9
Edson Well	Along Gov. Hunt Road, currently out of service	171	101.23	272.93	253.6	254.4	255.0
Tuttle Well	Along Gov. Hunt Road, currently out of service	244	29.43	273.33	258.9	258.9	259.4
Thomas Well	Along Gov. Hunt Road, currently out of service	215	58.37	273.27	No transducer deployed	No transducer deployed	No transducer deployed



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