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**To:** <wjs2@nrc.gov>  
**Date:** 2/24/06 11:44AM  
**Subject:** Tritium Monitoring at Dresden Station

Wayne,

Attached are the tritium monitoring maps I developed to assess our contamination situation on site. We have been collecting split samples for Steve Orth since last Friday. We are hoping you can take these off our hands.

DSP 131 and DSP 132 are sewers that discharge to the Hot and Cold Canals respectively.

Ed Rowley  
815-416-3287

<<Tritium Monitoring Data and Results-With Bost Map Rev. 1.xls>>

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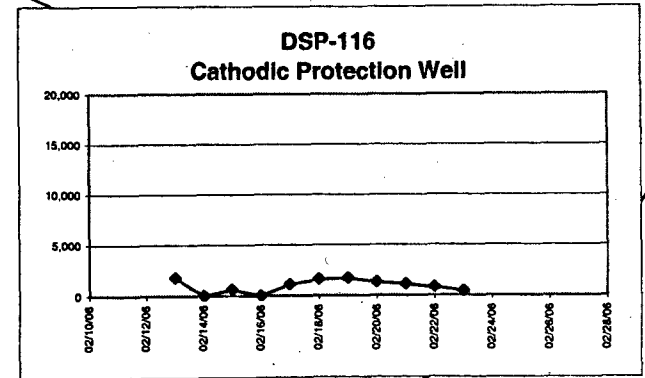
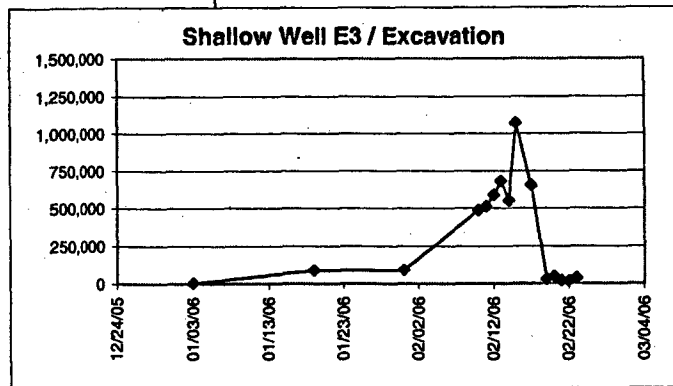
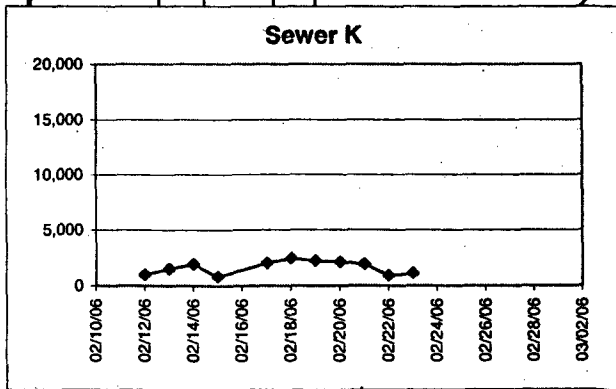
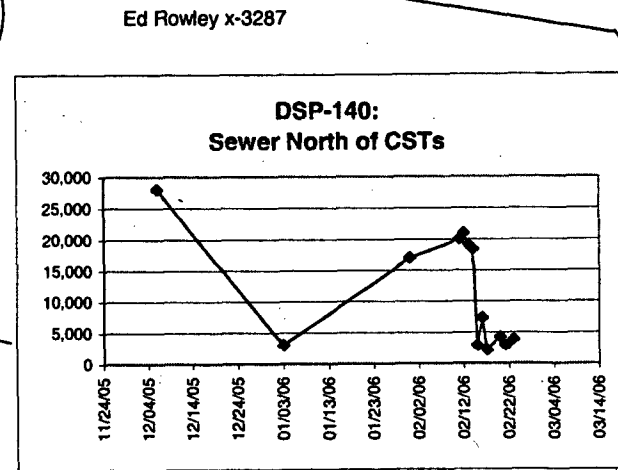
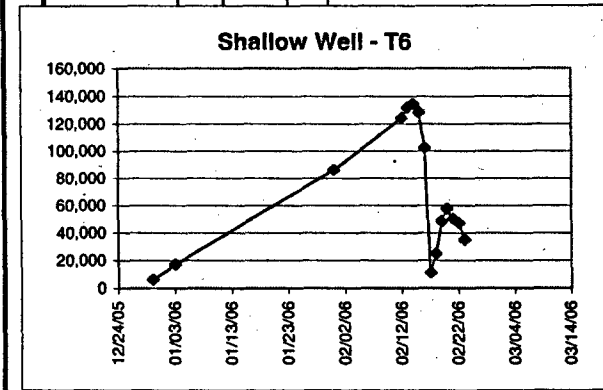
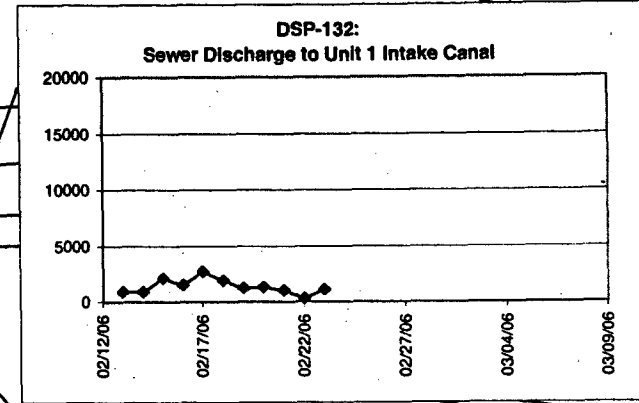
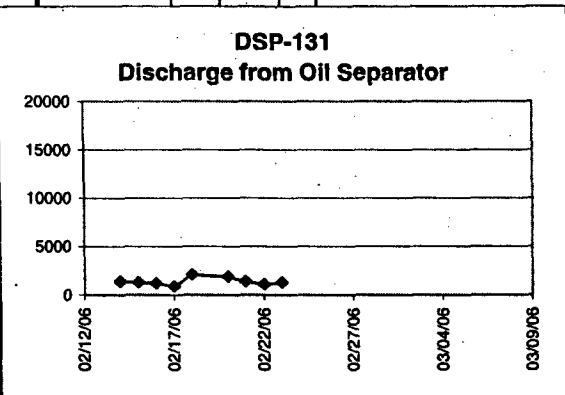
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C-47

# Dresden Station - Groundwater Monitoring - Map 1 of 2

Short Term Monitoring Program Initiated 02-13-06

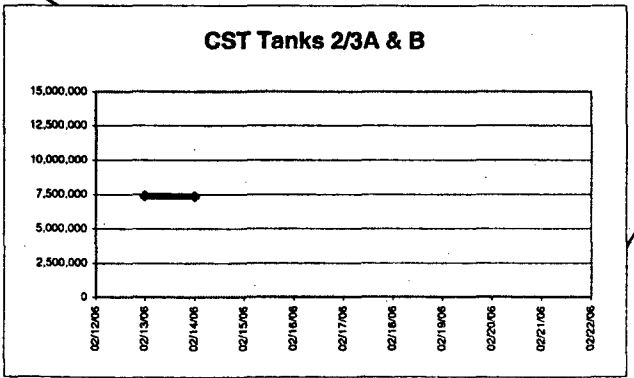
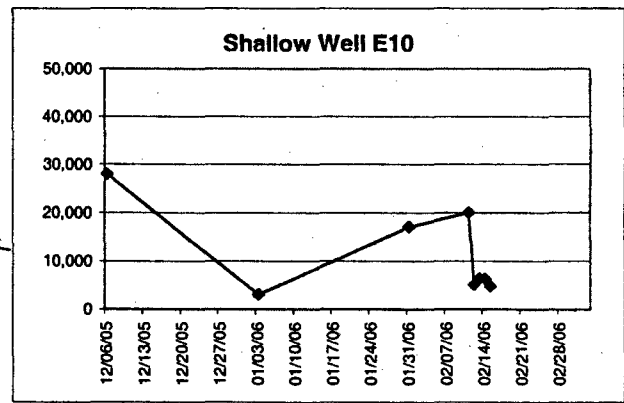
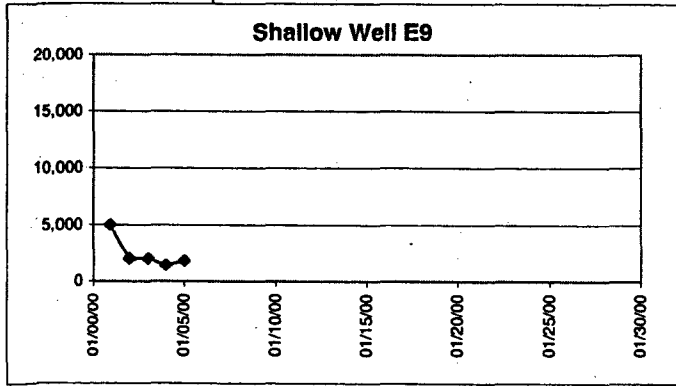
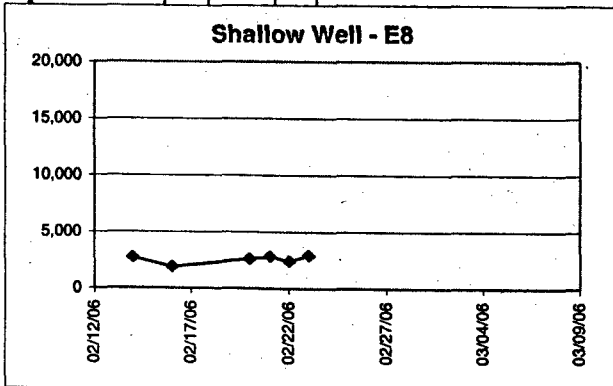
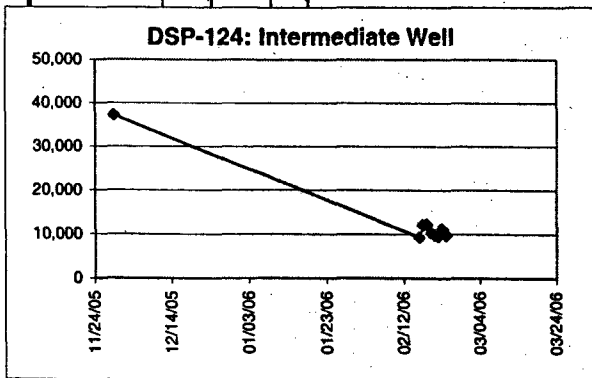
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# Dresden Station - Groundwater Monitoring - Map 2 of 2

Short Term Monitoring Program Initiated 02-13-06

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Ed Rowley x-3287  
Randy Kalb x-3215

Conversion to picoCi / L from uCi/L is multiply uCi/L result form DCP 3220-01, Data Sheet 2 times 1E9.

# Tritium Data for Well Map 1

Sample 1 of 7 DSP-131		Sample 2 of 7 DSP-132		Sample 3 of 7 DSP-140		Sample 4 of 7 K		Sample 5 of 7 DSP-116		Sample 6 of 7 T6		Sample 7 of 7 E3	
Date	Activity	Date	Activity	Date	Activity	Date	Activity	Date	Activity	Date	Activity	Date	Activity
12/06/05		12/06/05		12/06/05	28000	02/12/06	1000	02/11/06		12/30/05	6000	01/03/06	6000
01/03/06		01/03/06		01/03/06	3000	02/13/06	1500	02/12/06		01/03/06	17000	01/19/06	89000
02/12/06		02/12/06		01/31/06	17000	02/14/06	1900	02/13/06	1800	01/31/06	86000	01/31/06	90000
02/13/06		02/13/06	900	02/11/06	20000	02/15/06	800	02/14/06	0	02/12/06	124000	02/10/06	486000
02/14/06	1400	02/14/06	900	02/12/06	21000	02/17/06	2000	02/15/06	600	02/13/06	131800	02/11/06	510000
02/15/06	1300	02/15/06	2100	02/13/06	19100	02/18/06	2400	02/16/06	0	02/14/06	134300	02/12/06	589000
02/16/06	1200	02/16/06	1500	02/14/06	18400	02/19/06	2200	02/17/06	1100	02/15/06	128300	02/13/06	680100
02/17/06	900	02/17/06	2700	02/15/06	2900	02/20/06	2100	02/18/06	1600	02/16/06	102300	02/14/06	550400
02/18/06	2100	02/18/06	1900	02/16/06	7300	02/21/06	1900	02/19/06	1700	02/17/06	11200	02/15/06	1069400
02/20/06	1900	02/19/06	1200	02/17/06	2100	02/22/06	900	02/20/06	1300	02/18/06	24800	02/17/06	653000
02/21/06	1400	02/20/06	1300	02/20/06	4200	02/23/06	1100	02/21/06	1100	02/19/06	48300	02/19/06	30000
02/22/06	1100	02/21/06	1000	02/21/06	3000	02/24/06		02/22/06	800	02/20/06	57600	02/20/06	47600
02/23/06	1300	02/22/06	300	02/22/06	3200	02/25/06		02/23/06	400	02/21/06	50100	02/21/06	19900
02/24/06		02/23/06	1100	02/23/06	3800	02/26/06		02/24/06		02/22/06	47100	02/22/06	17100
02/25/06		02/24/06		02/24/06		02/27/06		02/25/06		02/23/06	35000	02/23/06	36500
02/26/06		02/25/06		02/25/06		02/28/06		02/26/06		02/24/06		02/24/06	
02/27/06		02/26/06		02/26/06		03/01/06		02/27/06		02/25/06		02/25/06	
02/28/06		02/27/06		02/27/06		03/02/06		02/28/06		02/26/06		02/26/06	
03/01/06		02/28/06		02/28/06		03/03/06		03/01/06		02/27/06		02/27/06	
03/02/06		03/01/06		03/01/06		03/04/06		03/02/06		02/28/06		02/28/06	
03/03/06		03/02/06		03/02/06		03/05/06		03/03/06		03/01/06		03/01/06	
03/04/06		03/03/06		03/03/06		03/06/06		03/04/06		03/02/06		03/02/06	
03/05/06		03/04/06		03/04/06		03/07/06		03/05/06		03/03/06		03/03/06	
03/06/06		03/05/06		03/05/06		03/08/06		03/06/06		03/04/06		03/04/06	
03/07/06		03/06/06				03/09/06		03/07/06		03/05/06			
		03/07/06						03/08/06		03/06/06			

*mutual indicators of leak profile*  
*2/11*  
*isolates HPCI sections + returns*  
*lines from CSTs + CSTs itself*

## Tritium Data for Well Map 2

Sample 8 of 12		Sample 9 of 12		Sample 10 of 12		Sample 11 of 12		Sample 12 of 12	
E8		E9		E10		DSP-124		CST Tank	
Date	Activity	Date	Activity	Date	Activity	Date	Activity	Date	Activity
12/06/05		12/06/05	5000	12/06/05	28000	11/29/05	37200	11/29/05	
01/03/06		01/03/06	2000	01/03/06	3000	02/16/06	9300	02/13/06	7380800
02/12/06		02/12/06	2000	01/31/06	17000	02/17/06	12000	02/14/06	7359800
02/13/06		02/13/06	1400	02/11/06	20000	02/18/06	12200	02/15/06	
02/14/06	2700	02/14/06	1800	02/12/06	5000	02/19/06	10300	02/16/06	
02/16/06	1900	02/15/06		02/13/06	6300	02/20/06	9800	02/17/06	
02/20/06	2600	02/16/06		02/14/06	6200	02/21/06	9500	02/18/06	
02/21/06	2800	02/17/06		02/15/06	4700	02/22/06	11100	02/19/06	
02/22/06	2400	02/18/06		02/16/06		02/23/06	9700	02/20/06	
02/23/06	2900	02/19/06		02/17/06		02/24/06		02/21/06	
02/24/06		02/20/06		02/18/06		02/25/06		02/22/06	
02/25/06		02/21/06		02/19/06		02/26/06		02/23/06	
02/26/06		02/22/06		02/20/06		02/27/06		02/24/06	
02/27/06		02/23/06		02/21/06		02/28/06		02/25/06	
02/28/06		02/24/06		02/22/06		03/01/06		02/26/06	
03/01/06		02/25/06		02/23/06		03/02/06		02/27/06	
03/02/06		02/26/06		02/24/06		03/03/06		02/28/06	
03/03/06		02/27/06		02/25/06		03/04/06		03/01/06	
03/04/06		02/28/06		02/26/06		03/05/06		03/02/06	
03/05/06		03/01/06		02/27/06		03/06/06		03/03/06	
03/06/06		03/02/06		02/28/06		03/07/06		03/04/06	
03/07/06		03/03/06		03/01/06		03/08/06		03/05/06	
		03/04/06		03/02/06		03/09/06		03/06/06	
		03/05/06		03/03/06				03/07/06	
		03/06/06		03/04/06				03/08/06	
		03/07/06		03/05/06				03/09/06	