



DuPont Engineering
Barley Mill Plaza - Bldg. 27
4417 Lancaster Pike
Wilmington, DE 19805

November 8, 2004

David P. Watkins
West Virginia Department of Environmental Protection
Division of Water Resources
1201 Greenbrier Street
Charleston, West Virginia 25311-1088

RECEIVED
NOV 10 2004

BY:.....

**3Q04 Residential Sampling Results, West Virginia and Ohio
DuPont Washington Works, Washington, WV**

Dear Mr. Watkins:

Pursuant to our April 16, 2004 letter, sampling of residential water supplies in Ohio and West Virginia was initiated again in 2Q04 as required by the Consent Order (Order No. GWR-2001-019). The quarterly residential sampling will run for four quarters; annual sampling will be conducted once. In total, 33 residential water supplies in Ohio and West Virginia were proposed for sampling. Eleven residences are located in Ohio and 22 are located in West Virginia (ten near the Washington Works facility/Local landfill, ten near the Dry Run Landfill and two near the Letart Landfill). Table 1 provides survey information available for the residential water supplies and Figure 1 shows the locations of the residences.

During 3Q04, eight of the eleven residential water sources in Ohio were sampled. Permission to sample the remaining three residential water sources was granted, however, permission was granted too late for these water sources to be included in the 3Q04 sampling event. During the 4Q04 sampling event, all eleven residential water sources in Ohio will be sampled. In addition, nine of the 22 residential water sources in West Virginia were sampled during 3Q04. DuPont continues to work with West Virginia Department of Environmental Protection (WVDEP) in order to obtain permission from those residents where permission to sample has not yet been obtained.

The 3Q04 residential sampling event was conducted between September 13 and September 23, 2004, and a total of 17 water sources were sampled. The finalized C-8 results for the 3Q04 residential sampling event is presented in Table 2.

Please contact me at (302) 992-6820 if you have any questions.

Sincerely,

Andrew S. Hartten
Project Director

cc: GIST Members

Attachments

1

11/8/2004

Residential Sampling Locations in Ohio and West Virginia
DuPont Washington Works

State/Site	Proposed Sampling Location on Map	Well/Cistern/Spring	Drinking Water/Non-Drinking Water	Drinking Water/Non-Drinking Water	Used/Unused	Sampling Point	Water Use	Sampling Frequency
Dry Run Landfill, West Virginia	DR-P-1	Wells (2nd of 2)	Drinking Water	Drinking Water	Used	WWK-D-Atkinson2	Drinking only	Quarterly for One Year
	DR-P-2	Well (1)	Drinking Water	Drinking Water	Used	WWK-D-AbbottRL	All purposes (excluding drinking - but used to make ice for drinks)	Quarterly for One Year
	DR-P-3	Well (1)	Drinking Water	Drinking Water	Used	WWK-D-AbbottS	All purposes	Quarterly for One Year
	DR-P-4	Spring (1)	Drinking Water	Drinking Water	Used	WWK-D-SeebaughR	All uses - household, drinking, etc.	Quarterly for One Year
	DR-P-5	Spring	?	?	Unused	WWK-P-TennantJD	?	Quarterly for One Year
	DR-P-6	Well (1)	Drinking Water	Drinking Water	Used	WWK-D-BakerH	All purposes	Quarterly for One Year
	DR-P-7	Cistern (1)	Non-drinking Water	Non-drinking Water	Used	WWK-P-DowlerE1	Used for washing vehicles, watering garden/flowers, etc...	Quarterly for One Year
	DR-P-8	Well (1)	Drinking Water	Drinking Water	Used	WWK-D-NicholsonDH	All purposes	Quarterly for One Year
	DR-P-9	Cistern (1)	Drinking Water	Drinking Water	Used	WWK-D-NickelsonDH2	Used if well is running low	Quarterly for One Year
	DR-P-10	Well (1)	Drinking Water	Drinking Water	Used	WWK-D-ParkerJL	All purposes	Quarterly for One Year
Letart Landfill, West Virginia	L-P-1	Well (1)	Drinking Water	Drinking Water	Used	WWK-D-BrinkerA	All purposes	Quarterly for One Year
	L-P-2	Well (1)	?	?	Unused	WWK-P-GertlachBA		Annually for one year

Table 2.
C-8 Results (Ug/L) for Residential Sampling in Ohio and West Virginia
DuPont Washington Works

Residential Sampling					
Location	Sample ID	Date Sampled	C-8 (ug/l)	Water Use	Well Cistern or Spring
Ohio	WWK-D-Eddy EE	4/3/2002	6.4	DW	W
		6/30/2004	8.25	DW	W
		9/13/2004	5.69	DW	W
	WWK-D-RumerJH	3/21/2002	3.91	DW	W
		6/24/2004	0.751	DW	W
		9/13/2004	1.19	DW	W
	WWK-G-SpicerRF	4/15/2002	1.29	DW	S
		6/24/2004	3.28	DW	S
		9/13/2004	3.29	DW	S
	WWK-G-StahlPR2	4/8/2002	5.72	UU	S
		6/29/2004	7.09	UU	S
		9/13/2004	7.54	UU	S
	WWK-G-StephanML1	4/9/2002	5.41	NDW	C
		6/29/2004	0.6	NDW	C
		9/13/2004	0.326	NDW	C
	WWK-G-WatsonMP3	4/18/2002	23.6	NDW	S
	WWK-G-WatsonMP4	4/18/2002	7.33	NDW	C
	WWO-D-TaittWJ	9/9/2002	5.61	DW	W
		6/29/2004	9.28	DW	W
		9/13/2004	9.58	DW	W
		9/13/2004 (Dup)	10.8	DW	W
	WWO-D-WhiteAL	7/8/2002	3.96	DW	W
	WWO-G-KidderEM	9/17/2002	4.15	UU	W
		6/30/2004	3.99	UU	W
		9/13/2004	4.25	UU	W
	WWK-D-ParsonsCF	4/8/2002	8.59	DW	W
		6/24/2004	13	DW	W
		6/24/04 (Dup)	12.8	DW	W
		9/13/2004	15.7	DW	W
West Virginia - Main Plant/Local Landfill	WWK-D-AheartR	12/19/2001	2.8	DW	W
	WWK-D-GarnesAL	4/3/2002	1.3	NDW	W
	WWK-D-ChristmanS	12/21/2001	0.328	DW	W
	WWK-G-Tallhamer	1/28/2002	1.63	NDW	S
	WWK-G-ThompsonB	12/17/2001	3.52	NDW	C
	WWK-D-PhillipsAE	4/25/2002	0.73	DW	W
	WWK-G-WaltersMM	3/22/2002	1.39	NDW	C
	WWK-G-LawsonDH2	1/10/2002	10.9	UU	S
		6/23/2004	24.1	UU	S
		9/15/2004	22.2	UU	S
	WWK-G-FurbeeC	1/23/2002	5.07	NDW	W
		6/23/2004	8.6	NDW	W
		9/15/2004	17.9	NDW	W
	WWK-D-StuttlerLR	3/27/2002	1.8	DW	S

Table 2.
C-8 Results (Ug/L) for Residential Sampling in Ohio and West Virginia
DuPont Washington Works

Location	Sample ID	Date Sampled	C-8 (ug/l)	Water Use	Well Cistern or Spring
West Virginia - Dry Run Landfill	WWK-D-AbbottRL	12/11/2001	0.0606	DW	W
	WWK-D-AbbottS	12/12/2001	0.22	DW	W
		6/28/2004	0.435	DW	W
		9/20/2004	0.563	DW	W
	WWK-D-AtkinsonJ2	1/9/2002	0.149	DW	W
	WWK-D-BakerH	12/14/2001	0.339	DW	W
		6/23/2004	0.377	DW	W
		9/15/2004	0.558	DW	W
		9/15/2004 (Dup)	0.605	DW	W
	WWK-D-NicholsonDH	12/11/2001	0.0505	DW	W
		6/23/2004	0.143	DW	W
		9/16/2004	0.137	DW	W
	WWK-D-NickelsonDH2	2/4/2002	0.242	DW	C
		6/23/2004	0.173	DW	C
		9/16/2004	0.174	DW	C
	WWK-D-ParkerJL	12/10/2001	0.177	DW	W
	WWK-D-SeebaughR	2/26/2002	0.273	DW	S
	WWK-G-TennantJD	2/8/2002	0.107	UU	S
		6/8/2004	0.353	UU	S
		6/28/2004 (Dup)	0.355	UU	S
		9/15/2004	0.312	UU	S
	WWK-G-DowlerE1	1/28/2002	0.307	NDW	C
		6/23/2004	0.173	NDW	C
		9/15/2004	0.172	NDW	C
West Virginia - Letart Landfill	WWK-D-BrinkerA	12/11/2001	0.139	DW	W
	WWK-G-GerlachBA	1/16/2002	0.636	UU	W
		9/23/2004	0.262	UU	W

* DW = drinking water, NDW = non-drinking water, UU = unused

