

**Ramapo Well Field
Antimony Summary Report**

Sample ID	Lab_No	Collected Date	Antimony ug/L	Date Analyzed
SW84 RAMAPO VALLEY WELL	89564	17-Aug-98	<1.0	2-Nov-98
SW84 RAMAPO VALLEY WELL	105400	1-Mar-99	<1.0	18-May-99
SW 84 Ramapo Valley Well	96860	10-Jul-01	<1.0	16-Jul-01
SW 84 Ramapo Valley Well	120155	19-Jun-02	<1.0	1-Jul-02
SW 84 Ramapo Valley Well	157055	6-Apr-04	<1.0	20-Apr-04
SW85 RAMAPO VALLEY WELL	32593	31-Oct-96	<1.0	17-Dec-96
SW85 RAMAPO VALLEY WELL	105401	1-Mar-99	<1.0	18-May-99
SW 85 Ramapo Valley Well	96859	10-Jul-01	<1.0	16-Jul-01
SW 85 Ramapo Valley Well	120157	19-Jun-02	<1.0	2-Jul-02
SW 85 Ramapo Valley Well	157056	6-Apr-04	<1.0	20-Apr-04
SW93 RAMAPO VALLEY WELL	24181	2-Aug-96	<1.0	30-Jul-96
SW93 RAMAPO VALLEY	49087	12-May-97	<1.0	30-Jun-97
SW 93 Ramapo Valley Well	16230	22-Nov-99	<1.0	8-May-00
SW 93 Ramapo Valley Well	140438	16-Jun-03	<1.0	26-Jun-03
SW 93 Ramapo Valley Well	161752	29-Jun-04	<1.0	6-Jul-04
SW94 RAMAPO VALLEY WELL	24182	2-Aug-96	<1.0	30-Jul-96
SW94 RAMAPO VALLEY WELL	49088	12-May-97	<1.0	30-Jun-97
SW 94 Ramapo Valley Well	140439	16-Jun-03	<1.0	7-Jul-03
SW 94 Ramapo Valley Well	164292	10-Aug-04	<1.0	23-Aug-04
SW95 RAMAPO VALLEY WELL	24183	2-Aug-96	<1.0	30-Jul-96
SW95 RAMAPO VALLEY WELL	49089	12-May-97	<1.0	30-Jun-97
SW 95 Ramapo Valley Well	140440	16-Jun-03	<1.0	27-Jun-03
SW 95 Ramapo Valley Well	161753	29-Jun-04	<1.0	6-Jul-04
SW96 RAMAPO VALLEY WELL	24184	2-Aug-96	<1.0	30-Jul-96
SW96 RAMAPO VALLEY WELL	49090	12-May-97	<1.0	30-Jun-97
SW96 RAMAPO VALLEY WELL	76088	23-Mar-98	<1.0	16-Apr-98
SW 96 Ramapo Valley Well	16231	22-Nov-99	<1.0	8-May-00
SW 96 Ramapo Valley Well	140441	16-Jun-03	<1.0	27-Jun-03
SW 96 Ramapo Valley Well	164291	10-Aug-04	<1.0	17-Aug-04
SW97 RAMAPO VALLEY WELL	24185	2-Aug-96	<1.0	30-Jul-96
SW97 RAMAPO VALLEY WELL	56149	25-Jul-97	<1.0	13-Aug-97
SW97 RAMAPO VALLEY WELL	76085	23-Mar-98	<1.0	16-Apr-98
SW 97 Ramapo Valley Well	16232	22-Nov-99	<1.0	8-May-00
SW 97 Ramapo Valley Well	140442	16-Jun-03	<1.0	27-Jun-03
SW 97 Ramapo Valley Well	164293	10-Aug-04	<1.0	23-Aug-04
SW98 RAMAPO VALLEY WELL	32598	31-Oct-96	<1.0	17-Dec-96
SW98 RAMAPO VALLEY WELL	49091	12-May-97	<1.0	30-Jun-97
SW99 RAMAPO VALLEY WELL	105402	1-Mar-99	<1.0	19-May-99
SW 98 Ramapo Valley Well	96858	10-Jul-01	<1.0	16-Jul-01
SW 98 Ramapo Valley Well	140443	16-Jun-03	<1.0	27-Jun-03
SW 98 Ramapo Valley Well	164709	17-Aug-04	<1.0	26-Aug-04
SW 99 Ramapo Valley Well	96862	10-Jul-01	<1.0	16-Jul-01
SW 99 Ramapo Valley Well	120280	20-Jun-02	<1.0	2-Jul-02
SW 99 Ramapo Valley Well	157057	6-Apr-04	<1.0	20-Apr-04
SW100 RAMAPO VALLEY WELL	76089	23-Mar-98	<1.0	16-Apr-98
SW100 RAMAPO VALLEY WELL	105403	1-Mar-99	<1.0	18-May-99
SW100 Ramapo Valley Well	96861	10-Jul-01	<1.0	16-Jul-01
SW100 Ramapo Valley Well	163854	3-Aug-04	<1.0	23-Aug-04

Ramapo Landfill Antimony Summary Table

Results in micrograms per Liter (mcg/L)

WELL	7/01	10/01	3/02	7/02	10/02	4/03	7/03	10/03	3/04
PW-1	< 4.7	< 4.7	7.4 U	5.3 U	5.3 U,N	5 U	5.5 U	9.5 B	5.8 U
PW-2	< 4.7	< 4.7	9.3 B	5.3 U	5.3 U,N	9.3 B	10.1 B	19.4 B	5.8 U
SVWC 93	< 4.7	NA	8 B	8.1 B	17.2 B,N	5 U	5.5 U	8.6 B	5.8 U
SVWC 94	< 4.7	NA	11.4 B	5.3 U	5.5 B,N	5 U	5.5 U	7.1 B	5.8 U
SVWC 95	< 4.7	NA	7.4 U	5.3 U	5.3 U,N	5 U	5.5 U	13.6 B	5.8 U
SVWC 96	< 4.7	NA	7.4 U	5.3 U	5.3 U,N	5 U	7.1 B	11.1 B	5.8 U

U = not detected

B = < CRDL, but > instrument detection limit

N = Spiked sample recovery not within control limits

Analytical Report

Lab Number 161752
Sample Identification SW 93 Ramapo Valley Well
Collection Date 29-Jun-04
Date Received 30-Jun-04

NYDOH State Sanitary Code Subpart 5-1

Table 8B

Antimony, Sb*	<1.0 ug/L	6-Jul-04	Cyanide, CN*	<0.025 mg/L	6-Jul-04
Arsenic, As*	<1.0 ug/L	6-Jul-04	Fluoride, F-	0.108 mg/L	9-Jul-04
Barium, Ba*	6.6 ug/L	6-Jul-04	Mercury, Hg*	<0.20 ug/L	7-Jul-04
Beryllium, Be*	<1.0 ug/L	6-Jul-04	Nickel, Ni*	<5.0 ug/L	6-Jul-04
Cadmium, Cd*	<0.50 ug/L	6-Jul-04	Selenium, Se*	<5.0 ug/L	6-Jul-04
Chromium, Cr*	<1.0 ug/L	6-Jul-04	Thallium, Tl*	<1.0 ug/L	6-Jul-04

Table 8C

Nitrate, NO3-N	1.36 mg/L	6-Jul-04
Nitrite, NO2-N	<0.01 mg/L	30-Jun-04

Table 8D

Color	3 CU	30-Jun-04	Silver, Ag*	<0.50 ug/L	6-Jul-04
Odor	N TON	30-Jun-04	Sodium, Na*	44 mg/L	2-Jul-04
Chloride	75 mg/L	1-Jul-04	Sulfate, SO4 ²⁻ *	12 mg/L	12-Jul-04
Iron, Fe	0.04 mg/L	2-Jul-04	Zinc, Zn	0.04 mg/L	2-Jul-04
Manganese, Mn	<0.01 mg/L	2-Jul-04			

Analyses as per latest approved edition of "Standard Methods" or US EPA methodology.
Symbol "*" indicates that the analysis performed by Montgomery Watson Lab (01114CA).

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Analytical Report

Lab Number 164292
Sample Identification SW 94 Ramapo Valley Well
Collection Date 10-Aug-04
Date Received 11-Aug-04

NYDOH State Sanitary Code Subpart 5-1

Table 8B

Antimony, Sb*	<1.0 ug/L	23-Aug-04	Cyanide, CN*	<0.025 mg/L	18-Aug-04
Arsenic, As*	<1.0 ug/L	23-Aug-04	Fluoride, F-	0.1 mg/L	17-Aug-04
Barium, Ba*	13 ug/L	23-Aug-04	Mercury, Hg*	<0.20 ug/L	17-Aug-04
Beryllium, Be*	<1.0 ug/L	23-Aug-04	Nickel, Ni*	<5.0 ug/L	23-Aug-04
Cadmium, Cd*	<0.50 ug/L	23-Aug-04	Selenium, Se*	<5.0 ug/L	23-Aug-04
Chromium, Cr*	<1.0 ug/L	23-Aug-04	Thallium, Tl*	<1.0 ug/L	23-Aug-04

Table 8C

Nitrate, NO3-N	1.41 mg/L	19-Aug-04
Nitrite, NO2-N	<0.01 mg/L	11-Aug-04

Table 8D

Color	3 CU	11-Aug-04	Silver, Ag*	<0.50 ug/L	23-Aug-04
Odor	N TON	11-Aug-04	Sodium, Na*	50 mg/L	17-Aug-04
Chloride	91 mg/L	12-Aug-04	Sulfate, SO4 ²⁻ *	15 mg/L	25-Aug-04
Iron, Fe	<0.01 mg/L	17-Aug-04	Zinc, Zn	<0.01 mg/L	17-Aug-04
Manganese, Mn	<0.01 mg/L	17-Aug-04			

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Analytical Report

Lab Number 161753
Sample Identification SW 95 Ramapo Valley Well
Collection Date 29-Jun-04
Date Received 30-Jun-04

NYDOH State Sanitary Code Subpart 5-1

Table 8B

Antimony, Sb*	<1.0 ug/L	6-Jul-04	Cyanide, CN*	<0.025 mg/L	6-Jul-04
Arsenic, As*	<1.0 ug/L	6-Jul-04	Fluoride, F-	0.095 mg/L	9-Jul-04
Barium, Ba*	9.4 ug/L	6-Jul-04	Mercury, Hg*	<0.20 ug/L	7-Jul-04
Beryllium, Be*	<1.0 ug/L	6-Jul-04	Nickel, Ni*	<5.0 ug/L	6-Jul-04
Cadmium, Cd*	<0.50 ug/L	6-Jul-04	Selenium, Se*	<5.0 ug/L	6-Jul-04
Chromium, Cr*	<1.0 ug/L	6-Jul-04	Thallium, Tl*	<1.0 ug/L	6-Jul-04

Table 8C

Nitrate, NO3-N	0.97 mg/L	6-Jul-04
Nitrite, NO2-N	<0.01 mg/L	30-Jun-04

Table 8D

Color	3 CU	30-Jun-04	Silver, Ag*	<0.50 ug/L	6-Jul-04
Odor	N TON	30-Jun-04	Sodium, Na*	39 mg/L	2-Jul-04
Chloride	60 mg/L	1-Jul-04	Sulfate, SO4 ²⁻ *	14 mg/L	12-Jul-04
Iron, Fe	0.03 mg/L	2-Jul-04	Zinc, Zn	<0.01 mg/L	2-Jul-04
Manganese, Mn	0.08 mg/L	2-Jul-04			

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Analytical Report

Lab Number 164291
Sample Identification SW 96 Ramapo Valley Well
Collection Date 10-Aug-04
Date Received 11-Aug-04

NYDOH State Sanitary Code Subpart 5-1

Table 8B

Antimony, Sb*	<1.0 ug/L	17-Aug-04	Cyanide, CN*	<0.025 mg/L	18-Aug-04
Arsenic, As*	<1.0 ug/L	17-Aug-04	Fluoride, F-	0.08 mg/L	17-Aug-04
Barium, Ba*	9 ug/L	17-Aug-04	Mercury, Hg*	<0.20 ug/L	17-Aug-04
Beryllium, Be*	<1.0 ug/L	17-Aug-04	Nickel, Ni*	<5.0 ug/L	17-Aug-04
Cadmium, Cd*	<0.50 ug/L	17-Aug-04	Selenium, Se*	<5.0 ug/L	17-Aug-04
Chromium, Cr*	<1.0 ug/L	17-Aug-04	Thallium, Tl*	<1.0 ug/L	17-Aug-04

Table 8C

Nitrate, NO3-N	1.13 mg/L	19-Aug-04
Nitrite, NO2-N	<0.01 mg/L	11-Aug-04

Table 8D

Color	3 CU	11-Aug-04	Silver, Ag*	<0.50 ug/L	17-Aug-04
Odor	N TON	11-Aug-04	Sodium, Na*	49 mg/L	16-Aug-04
Chloride	83 mg/L	12-Aug-04	Sulfate, SO4 ²⁻ *	15 mg/L	26-Aug-04
Iron, Fe	<0.01 mg/L	17-Aug-04	Zinc, Zn	0.01 mg/L	17-Aug-04
Manganese, Mn	<0.01 mg/L	17-Aug-04			

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Analytical Report

Lab Number 164293
Sample Identification SW 97 Ramapo Valley Well
Collection Date 10-Aug-04
Date Received 11-Aug-04

NYDOH State Sanitary Code Subpart 5-1

Table 8B

Antimony, Sb*	<1.0 ug/L	23-Aug-04	Cyanide, CN*	<0.025 mg/L	18-Aug-04
Arsenic, As*	<1.0 ug/L	23-Aug-04	Fluoride, F-	0.08 mg/L	17-Aug-04
Barium, Ba*	10 ug/L	23-Aug-04	Mercury, Hg*	<0.20 ug/L	17-Aug-04
Beryllium, Be*	<1.0 ug/L	23-Aug-04	Nickel, Ni*	<5.0 ug/L	23-Aug-04
Cadmium, Cd*	<0.50 ug/L	23-Aug-04	Selenium, Se*	<5.0 ug/L	23-Aug-04
Chromium, Cr*	<1.0 ug/L	23-Aug-04	Thallium, Tl*	<1.0 ug/L	23-Aug-04

Table 8C

Nitrate, NO3-N	1.41 mg/L	19-Aug-04
Nitrite, NO2-N	<0.01 mg/L	11-Aug-04

Table 8D

Color	3 CU	11-Aug-04	Silver, Ag*	<0.50 ug/L	23-Aug-04
Odor	N TON	11-Aug-04	Sodium, Na*	52 mg/L	17-Aug-04
Chloride	87 mg/L	12-Aug-04	Sulfate, SO4 ²⁻ *	16 mg/L	26-Aug-04
Iron, Fe	<0.01 mg/L	17-Aug-04	Zinc, Zn	<0.01 mg/L	17-Aug-04
Manganese, Mn	<0.01 mg/L	17-Aug-04			

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Symbol "*" indicates that the analysis performed by Montgomery Watson Lab (01114CA).

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Analytical Report

Lab Number 164709
Sample Identification SW 98 Ramapo Valley Well
Collection Date 17-Aug-04
Date Received 18-Aug-04

NYDOH State Sanitary Code Subpart 5-1

Table 8B

Antimony, Sb*	<1.0 ug/L	26-Aug-04	Cyanide, CN*	<0.025 mg/L	23-Aug-04
Arsenic, As*	<1.0 ug/L	26-Aug-04	Fluoride, F-	0.14 mg/L	25-Aug-04
Barium, Ba*	11 ug/L	26-Aug-04	Mercury, Hg*	<0.20 ug/L	25-Aug-04
Beryllium, Be*	<1.0 ug/L	26-Aug-04	Nickel, Ni*	<5.0 ug/L	26-Aug-04
Cadmium, Cd*	<0.50 ug/L	26-Aug-04	Selenium, Se*	<5.0 ug/L	26-Aug-04
Chromium, Cr*	<1.0 ug/L	26-Aug-04	Thallium, Tl*	<1.0 ug/L	26-Aug-04

Table 8C

Nitrate, NO3-N	1.23 mg/L	19-Aug-04
Nitrite, NO2-N	<0.01 mg/L	18-Aug-04

Table 8D

Color	3 CU	18-Aug-04	Silver, Ag*	<0.50 ug/L	26-Aug-04
Odor	N TON	18-Aug-04	Sodium, Na*	83 mg/L	20-Aug-04
Chloride	136 mg/L	19-Aug-04	Sulfate, SO4 ²⁻ *	16 mg/L	26-Aug-04
Iron, Fe	<0.01 mg/L	20-Aug-04	Zinc, Zn	<0.01 mg/L	20-Aug-04
Manganese, Mn	<0.01 mg/L	20-Aug-04			

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Analytical Report

Lab Number 157057
Sample Identification SW 99 Ramapo Valley Well
Collection Date 6-Apr-04
Date Received 7-Apr-04

NYDOH State Sanitary Code Subpart 5-1

Table 8B

Antimony, Sb*	<1.0 ug/L	20-Apr-04	Cyanide, CN*	<0.025 mg/L	15-Apr-04
Arsenic, As*	<1.0 ug/L	20-Apr-04	Fluoride, F-	0.09 mg/L	16-Apr-04
Barium, Ba*	7.4 ug/L	20-Apr-04	Mercury, Hg*	<0.20 ug/L	21-Apr-04
Beryllium, Be*	<1.0 ug/L	20-Apr-04	Nickel, Ni*	<5.0 ug/L	20-Apr-04
Cadmium, Cd*	<0.50 ug/L	20-Apr-04	Selenium, Se*	<5.0 ug/L	20-Apr-04
Chromium, Cr*	<1.0 ug/L	20-Apr-04	Thallium, Tl*	<1.0 ug/L	20-Apr-04

Table 8C

Nitrate, NO ₃ -N	--
Nitrite, NO ₂ -N	--

Table 8D

Color	--	Silver, Ag*	<0.50 ug/L	20-Apr-04
Odor	--	Sodium, Na*	--	
Chloride	--	Sulfate, SO ₄ ²⁻ *	16 mg/L	9-Apr-04
Iron, Fe	--	Zinc, Zn	--	
Manganese, Mn	--			

Analyses as per latest approved edition of "Standard Methods" or US EPA methodology.
Symbol "*" indicates that the analysis performed by Montgomery Watson Lab (01114CA).

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Analytical Report

Lab Number 96861
Sample Identification SW100 Ramapo Valley Well
Collection Date 07/10/01

NYDOH State Sanitary Code Subpart 5-1

Table 8B

Antimony, Sb*	<1.0 ug/L	16-Jul-01	Cyanide, CN*	<0.025 mg/L	12-Jul-01
Arsenic, As*	<1.0 ug/L	16-Jul-01	Fluoride, F ⁻	<0.1 mg/L	25-Jul-01
Barium, Ba*	13 ug/L	16-Jul-01	Mercury, Hg*	<0.20 ug/L	17-Jul-01
Beryllium, Be*	<1.0 ug/L	16-Jul-01	Nickel, Ni*	<5.0 ug/L	16-Jul-01
Cadmium, Cd*	<0.50 ug/L	16-Jul-01	Selenium, Se*	<5.0 ug/L	16-Jul-01
Chromium, Cr*	<1.0 ug/L	16-Jul-01	Thallium, Tl*	<1.0 ug/L	16-Jul-01

Table 8C

Nitrate, NO ₃ -N	--
Nitrite, NO ₂ -N	--

Table 8D

Color	3 CU	10-Jul-01	Silver, Ag*	<0.50 ug/L	16-Jul-01
Odor	N TON	10-Jul-01	Sodium, Na*	64 mg/L	13-Jul-01
Chloride	--		Sulfate, SO ₄ ²⁻ *	22 mg/L	16-Jul-01
Iron, Fe	--		Zinc, Zn	--	
Manganese, Mn	--				

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Symbol "*" indicates that the analysis performed by Montgomery Watson Lab.

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Carl Hoffman - Re: Fwd: FW: Levels and monitoring for Antimony in the RVWF

From: "Joseph P. Crua" <jpc04@health.state.ny.us>
To: <crhoffma@gw.dec.state.ny.us>
Date: 1/10/2005 4:39 PM
Subject: Re: Fwd: FW: Levels and monitoring for Antimony in the RVWF
CC: "Michael F. Rivara" <mfr01@health.state.ny.us>

Carl,
Recent results from PW-2. Antimony not detected down to 0.10 ppb.
----- Forwarded by Joseph P. Crua/BEEI/DEHA/CEH/OPH/DOH on 01/10/2005 04:32 PM -----

"Dan Miller"
<MillerD@co.rockl and.ny.us> To: <jpc04@health.state.ny.us>, <kem01@health.state.ny.us>
cc:
Subject: Re: Fwd: FW: Levels and monitoring for Antimony in the RVWF
01/10/2005 04:26 PM

Hi guys,

FYI. Just got the results for the private well on Tornebrooke Rd (PW-2).

REPORT OF ANALYSIS
Westchester County Department of Labs and Research 10 Dana
Road Valhalla, New York

Sample PRIVATE RESIDENCE Received EP
TORN BROOK RD Bottle c3151
HILLBURN, NY Collected DONADIO
Sample KIT TAP Collection 12/28/2004 AT 2:05:00 PM
ID of Source: P WELL Submitted 12/29/2004 AT 11:55:00 AM
Sample Type: POT_WELL
Agency: Rockland County Health PWS No.:
Dr. R. Yeager Health Type Descriptor: Source
Code: 000
Building D, Sanatorium
Pomona, NY 10970 Sample chilled on arrival? : na
Att: D. Miller Comment:
Report

Sample No. AG36081

Method	Test Description	Results	Units
MRL	Analyzed on	Validator	
Inorganics			
EPA 200.8	Lead <		
MRL ug/L	1.0 1/6/2005	ADB	
EPA 200.8	Antimony <		
MRL ug/L	0.1 1/6/2005	ADB	
EPA 200.8	Thallium <		
MRL ug/L	1.0 1/6/2005	ADB	