Table 1
Annual Sample Program - 2012
Groundwater and Surface Water Monitoring
St. Regis Paper Company and City Dump Pit Sites

Operable Unit	Screened Interval	Station	Category	PCP		PAHs			BETX	DRO	Metals	Dioxins	Water Level (1)
				8270	8151	8270	8270-SIM	8270-SIM (Calif.)	8260	8015M	6020; 7195/6010B	8290	
OU1- Treating Facility Area	Top of Surficial	W104	P		1		1						2
		W105R	I		2		2						2
		W112	P		1		1						2
		W114	I		1		1						2
		W115	I		1		1						2
		W118 (3)	P	1		1							2
	Bottom of Surficial	W205	P		1		1						2
		W209	P		1		1						2
		W212 (2)	I										2
		W213 (2)	I										2
		W215	I		1		1	1					2
		W217	P		1		1						2
		W218	P		1		1						2
		W219	P		1		1						2
		W220 (2)	I					1					2
		W221	P		1		1						2
		W222											2
		W223											2
	Lower Aquifer	MW3	P		1		1						2
		W302	P		1		1						2
		W306	I		1		1						2
	Pump-out Wells	W401	P	1		1							2
		W402	P	1		1							2
		W403	P	1		1							2
		W404	P	1		1							2
		W405	P	1		1							2
		W406	P		1		1						2
		W407	P		1		1						2
		W408	I	1		1							2
		W409	P	1			1	1					2
		W410	P	1			1						2
		W411 (4)	P		1		1						2
	Observation Wells	W509											2
		W510											2
		W511											2
		W512											2
		W513											2
		W514											2
	Special Observation Wells	SO401	PMC										2
		SO402											2
		SO403											2
		SO405											2
	Channel	CL-N	I		1								
		CL-S	I		1								
		North Staff											2
		RR Staff											2
		South Staff											2

Table 1
Annual Sample Program - 2012
Groundwater and Surface Water Monitoring
St. Regis Paper Company and City Dump Pit Sites

Operable Unit	Screened Interval	Station	Category	PCP		PAHs			BETX	DRO	Metals	Dioxins	Water Level (1)
				8270	8151	8270	8270-SIM	8270-SIM (Calif.)	8260	8015M	6020; 7195/6010B	8290	
OU2 - Containment Vault Area	Upper Aquifer	W124	I		1		1						2
		W125	I		1		1						2
		W126	I		1		1						2
		W127	I		1		1						2
		W128	I		1		1						2
		W129	I		1		1						2
		W130	I		1		1						2
	Lower Aquifer	W324	I		1		1						2
		W329	I		1		1						2
		W330	I		1		1						2
OU3 - City Dump Pit Area	Top of Surficial	W2102	PMC										2
		W2103	PMC										2
		W2104	PMC										2
		W2105	PMC										2
		W2106	I	1		1						1	2
		W2127	I		1		1						2
		W2128 (2)	I					1					2
		W2129	I		1		1						2
		W2134	P		1		1						2
		W2135	I		1		1						2
		W2140	I		1		1		1	1	1	1	2
	Bottom of Surficial	W2228	I		1		1		1	1	1	1	2
		W2233 (2)	I									1	2
		W2234	I		1		1						2
		W2236 (2)	I									1	2
		W2237R	I		1		1		1	1	1	1	2
		W2238	I		1		1		1	1	1	1	2
		W2239	I		1		1		1	1	1	1	2
	Lower Aquifer	W2301	P		1		1						2
		W2325	P		1		1						2
		W2326	P		1		1						2
		W2329	P		1		1						2
		W2333	P		1		1						2
		W2335	I		1		1						2
		W2336 (2)										1	2
		W2339	I		1		1		1	1	1	1	2
	Pump-out Wells	W2401	P	1		1							2
		W2402	P	1		1							2
		W2403	P	1		1							2
	Scavenger Wells	S2401	PMC										2
		S2402	PMC										2
		S2403	P										2
	Observation Wells	W2501											2
		W2502											2
		W2504											2
		W2505											2
	Fox Creek	@ W2127											2
	Fox Creek	@ CR 147											2

Table 1
Annual Sample Program - 2012
Groundwater and Surface Water Monitoring
St. Regis Paper Company and City Dump Pit Sites

Operable Unit	Screened Interval	Station	Category	PCP		PAHs			BETX	DRO	Metals	Dioxins	Water Level (1)
				8270	8151	8270	8270-SIM	8270-SIM (Calif.)	8260	8015M	6020; 7195/6010B	8290	
Additional Wells	HatcheryWells	Fish 1	P		1		1						
		Fish 2	P		1		1						
		Fish 3	P		1		1						
		Fish 4	I		1		1						
		W231											2
	Enbridge Wells	W772347											2
		W772348											2
Number of Samples				13	52	11	52	4	6	6		10	192
Number of QC Samples													
	Duplicates	5%		1	3	1	3	1	1	1		1	10
	Field Blanks	5%		1	3	1	3	1	1	1		1	--
	MS/MSD	5%		1	3	1	3	1	1	1		1	--
Total Number of Samples				16	61	14	61	7	9	9		13	202

Notes:

This table identifies the number of samples at each station over the year.

(1) Water levels will be measured in during the spring and fall sampling event.

(2) See Quarterly Sample Program (Table 36)

(3) Collect sample, if no product present in water column.

(4) W411, constructed as an extraction well and classified as such, has never been utilized for active groundwater extraction purpo

Category

I - Indicator Monitoring Station (Annual Sampling)

P - Performance Monitoring Station (Biennial Sampling)

PMC - Product Monitoring and Collection Station

Table 2
Quarterly Sample Program - 2012
Groundwater and Surface Water Monitoring
St. Regis Paper Company and City Dump Pit Sites

Operable Unit	Screened Interval	Station	Category	PCP		PAHs			BETX	DRO	Dioxins	Water Level
				8270	8151	8270	8270-SIM	8270-SIM (Calif.)	8260	8015M	8290	
OU1-	Bottom of Surficial	W212	I		3		3		3	3	3	3
Treating Facility		W213	I		3		3		3	3	3	3
Area		W220	I		3		3		3	3	3	3
OU3 -	Top of Surficial	W2128	I		3		3		3	3	3	3
City Dump Pit	Bottom of Surficial	W2233	I		3		3		3	3	3	3
Site		W2236	I		3		3		3	3	3	3
	Lower Aquifer	W2336	I		3		3		3	3	3	3
Number of Samples				0	21	0	21	0	21	21	21	21
Number of QC Samples [(1)]												
	Duplicates			0	2	0	2	0	3	3	3	2
	Field Blanks			0	2	0	2	0	3	3	3	--
	MS/MSD			0	2	0	2	0	3	3	3	--
Total Number of Samples				0	27	0	27	0	30	30	30	23

Notes:

This table identifies the number of samples at each station over the year.

[(1)] Number of QC samples as follows:

PCP - 5%
PAH - 5%
BETX - 10%
DRO - 10%
Dioxins - 10%

Category

I - Indicator Monitoring Station (Annual Sampling)

P - Performance Monitoring Station (Biennial Sampling)

PMC - Product Monitoring and Collection Station

Table 3
Monthly Sample Program - 2012
Effluent and GAC Performance Monitoring Program
St. Regis Paper Company and City Dump Pit Sites

		PCP				PAHs	Metals [A]	BETX	DRO	Dioxins/furans
		8151M				8270-SIM	6020; 7195/6010B	8620	8015B	8290
Month		Influent	Primary	Secondary	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
January		1	1	1	1	1	1	1	1	1
February		1	1	1	1	1	1	1	1	
March		1	1	1	1	1	1	1	1	
April		1	1	1	1	1	1	1	1	1
May		1	1	1	1	1	1	1	1	
June		1	1	1	1	1	1	1	1	
July		1	1	1	1	1	1	1	1	1
August		1	1	1	1	1	1	1	1	
September		1	1	1	1	1	1	1	1	
October		1	1	1	1	1	1	1	1	1
November		1	1	1	1	1	1	1	1	
December		1	1	1	1	1	1	1	1	
Number of Samples		48				12	12	12	12	4
Number of QC Samples										
Duplicate	5%	3				1	1	1	1	1
Field Blank	5%	3				1	1	1	1	1
MS/MSD	5%	3				1	1	1	1	1
Trip Blank [B]	--	--				--	--	12	--	--
Total Number of Samples		57				15	15	27	15	7

Notes:

[A] Arsenic, Copper, & Chromium. If chromium exceeds 11 µg/L in any effluent sample, additional effluent samples will be collected and analyzed for hexavalent and trivalent chromium.

[B] One trip blank per event when BETX samples are collected.

Flow rate and pH are measured continuously.

Numbers indicate the number of samples during each event.

Table 4
Routine Parameter List and Method Reporting Limits
St. Regis Paper Company Site

Analyte	CAS Number	SW-846 Method 8270 [µg/L]		SW-846 Method 8270-SIM [µg/L]	
		Method Reporting Limit	Method Detection Limit [1]	Method Reporting Limit	Method Detection Limit [1]
PAHs					
2-Methylnaphthalene	91-57-6	10	0.239	0.02	0.003
Acenaphthene	83-32-9	10	0.281	0.02	0.002
Acenaphthylene	208-96-8	10	0.236	0.02	0.002
Anthracene	120-12-7	10	0.612	0.02	0.002
Benz[a]anthracene	56-55-3	10	0.591	0.02	0.003
Benzo[a]pyrene	50-32-8	10	0.654	0.02	0.002
Benzo[b]fluoranthene	205-99-2	10	0.584	0.02	0.002
Benzo[ghi]perylene	191-24-2	10	0.812	0.02	0.004
Benzo[k]fluoranthene	207-08-9	10	0.827	0.02	0.002
Chrysene	218-01-9	10	0.787	0.02	0.002
Dibenz[a,h]anthracene	53-70-3	10	0.752	0.02	0.002
Fluoranthene	206-44-0	10	0.652	0.02	0.003
Fluorene	86-73-7	10	0.323	0.02	0.003
Indeno[1,2,3-cd]pyrene	193-39-5	10	0.684	0.02	0.003
Naphthalene	91-20-3	10	0.365	0.02	0.004
Phenanthrene	85-01-8	10	0.482	0.02	0.004
Pyrene	129-00-0	10	0.731	0.02	0.003
Pentachlorophenol	87-86-5	25	2.44	1	0.095
		SW-846 Method 8151 [µg/L]			
Pentachlorophenol	87-86-5	0.5	0.095		

Notes:

CAS - Chemical Abstracts Service
PCDD - polychlorinated dibenzo-*p*-dioxin
PCDF - polychlorinated dibenzofuran
NA - not applicable
[1] Method detection limits are subject to change based on the laboratory's MDL study schedule.

Table 5
Additional Parameter List and Method Reporting Limits
St. Regis Paper Company Site

Analyte	CAS Number	Method Reporting Limit	Method Detection Limit [1]
Extended-list PAHs		**SW-846 Method 8270-SIM [µg/L]**	
Benzo(j)fluoroanthene		0.02	0.0035
Dibenz(a,j)acridine		0.02	0.0029
Dibenz(a,h)acridine		0.02	0.0029
7H-Dibenzo(c,g)carbazole		0.02	0.0013
Dibenzo(a,e)pyrene		0.02	0.0019
Dibenzo(a,h)pyrene		0.02	0.0014
Dibenzo(a,i)pyrene		---	0.053
Dibenzo(a,l)pyrene		0.02	0.0015
7,12-Dimethylbenzanthracene		0.02	0.0015
1,6-Dinitropyrene		0.05	0.0076
1,8-Dinitropyrene		0.05	0.0032
3-Methylcholanthrene		0.02	0.0027
5-Methylchrysene		0.02	0.0014
5-Nitroacenaphthene		0.02	0.0021
1-Nitropyrene		0.03	0.0083
6-Nitrochrysene		0.02	0.0015
2-Nitrofluorene		0.02	0.0016
Dioxin/Furans [2]		**SW-846 Method 8290 [pg/L]**	
2378-TCDD	1746-01-6	10.0	3.1
12378-PeCDD	40321-76-4	50.0	9.3
123678-HxCDD	57653-85-7	50.0	6.0
123478-HxCDD	39227-28-6	50.0	10.6
123789-HxCDD	19408-74-3	50.0	18.7
1234678-HpCDD	35822-46-9	50.0	8.1
OCDD	3268-87-9	100.0	38.0
2378-TCDF	51207-31-9	10.0	2.5
12378-PeCDF	57117-41-6	50.0	9.4
23478-PeCDF	57117-31-4	50.0	9.4
123678-HxCDF	57117-44-9	50.0	4.6
123789-HxCDF	72918-21-9	50.0	9.7
123478-HxCDF	70648-26-9	50.0	8.6
234678-HxCDF	60851-34-5	50.0	6.1
1234678-HpCDF	67562-39-4	50.0	4.3
1234789-HpCDF	55673-89-7	50.0	7.7
OCDF	39001-02-0	100.0	46.0
Total tetrachlorinated dioxins	41903-57-5	NA	NA
Total pentachlorinated dioxins	36088-22-9	NA	NA
Total hexachlorinated dioxins	34465-46-8	NA	NA
Total heptachlorinated dioxins	37871-00-4	NA	NA
Total tetrachlorinated furans	30402-14-3	NA	NA
Total pentachlorinated furans	30402-15-4	NA	NA
Total hexachlorinated furans	55684-94-1	NA	NA
Total heptachlorinated furans	38998-75-3	NA	NA
BTEX		**SW-846 Method 8260 [µg/L]**	
Benzene	71-43-2	0.5	0.105
Ethylbenzene	100-41-4	0.5	0.13
Toluene	108-88-3	0.5	0.0975
Xylenes (Total)	1330-20-7	1.0	0.219
DRO		**SW-846 Method 8015M [µg/L]**	
Diesel-Range Organics w/Silica gel		50	19

Table 5
Additional Parameter List and Method Reporting Limits
St. Regis Paper Company Site

Analyte	CAS Number	Method Reporting Limit	Method Detection Limit [1]
Metals		**SW-846 Method 7195/6010B [µg/L]**	
Arsenic	7440-38-2	0.5	0.1
Chromium, Total	7440-47-3	0.2	0.06
Copper	7440-50-8	0.2	0.2
Hexavalent Chromium (Cr VI)		10	4
Trivalent Chromium (Cr III) (by calc)		n/a	n/a

Notes:

CAS - Chemical Abstracts Service
PCDD - polychlorinated dibenzo-*p*-dioxin
PCDF - polychlorinated dibenzofuran
NA - not applicable
[1] Method detection limits are subject to change based on the laboratory's MDL study schedule.
[2] Method detection limits for dioxin analysis are actually EDLs per Method 8290. The EDLs are sample specific, therefore, the values shown represent the typical level of sensitivty of the method and are not intended to be absolute.

Table 6
OU1 Groundwater Annual Average Extraction Rates
St. Regis Paper Company Site

Total	Maximum Design Capacity[1] [gpm]	Initial Pumping Rate (@ Start-up) [gpm]	Pumping Rate 1996 GW Flow Model [gpm]	Pumping 2005 GW Flow Model [gpm]	2010 Pumping Rate [gpm]	2011 Pumping Rate [gpm]	2012 Pumping Rate [gpm]	2013 Target Extraction Rate [gpm]
W401	15	5	5	5	5.5	5.4	4.8	5.0
W402	15	5	5	6	5.1	4.5	5.0	5.0
W403	25	10	15	4	9.2	11.3	9.8	15 (if possible)
W404	25	10	0	0	11	11.8	10.2	12.0
W405	25	9	20	19	17	11.4	8.0	10.0
W406	25	9	5	4	1.5	0.0	0.0	0.0
W407	25	9	8	8	4.9	0.0	0.0	0.0
W408	15	5	20	7	0	0.0	0.0	0.0
W409	25	10	15	14	16	21.2	22.4	20.0
W410	25	10	5	5	5.8	4.3	4.9	5.0
Total	**220**	**82**	**98**	**72**	**76**	**70**	**65**	**72**

Notes:
-W411, constructed as an extraction well and classified as such, has never been utilized for active groundwater extraction purposes.
[1] Table 1. Response Action Final Report, Cass Lake Treating Facility Site, Prepared for Champion International. September 1988.

Table 7

Groundwater Extraction Rates and Precipitation
St. Regis Paper Company Site

Month	OU1										OU3			Extraction System [gpm]	Precipitation [1] [inches]
	401 [gpm]	402 [gpm]	403 [gpm]	404 [gpm]	405 [gpm]	406 [gpm]	407 [gpm]	408 [gpm]	409 [gpm]	410 [gpm]	2401 [gpm]	2402 [gpm]	2403 [gpm]		
Jan-12	4.4	3.9	9.0	11.0	7.1	0.0	0.0	0.0	22.7	4.9	3.2	18.5	21.5	106.2	0.39
Feb-12	4.3	5.3	8.9	11.7	8.4	0.0	0.0	0.0	23.4	4.0	3.3	18.4	21.7	109.3	0.51
Mar-12	4.3	5.1	8.7	11.7	8.8	0.0	0.0	0.0	23.7	3.4	3.4	18.0	21.8	108.9	2.23
Apr-12	4.2	5.9	8.3	11.4	7.7	0.0	0.0	0.0	22.9	3.0	3.6	17.5	21.6	106.1	3.37
May-12	3.9	5.8	7.3	11.6	7.2	0.0	0.0	0.0	23.5	2.9	3.8	18.7	21.9	106.6	2.85
Jun-12	5.6	5.5	5.9	11.2	6.8	0.0	0.0	0.0	21.9	6.0	3.9	21.0	20.7	108.5	4.84
Jul-12	3.7	4.6	9.7	8.9	14.2	0.0	0.0	0.0	17.1	4.9	3.5	17.5	16.1	100.2	3.53
Aug-12	4.9	4.6	11.7	9.1	8.2	0.0	0.0	0.0	18.1	5.0	3.4	17.9	17.3	100.2	2.65
Sep-12	5.8	5.5	12.9	3.6	9.7	0.0	0.0	0.0	23.3	6.6	3.7	20.2	20.2	111.5	0.28
Oct-12	5.4	4.9	11.9	9.3	6.7	0.0	0.0	0.0	22.3	5.9	3.8	19.2	19.2	108.6	2.91
Nov-12	5.4	4.1	11.5	11.7	5.5	0.0	0.0	0.0	23.4	5.9	3.6	13.3	20.3	104.7	0.77
Dec-12	5.1	4.9	10.4	10.5	4.6	0.0	0.0	0.0	20.1	5.4	3.4	21.5	19.0	104.9	0.86
Annual Rate	**4.7**	**5.0**	**9.7**	**10.1**	**7.9**	**0.0**	**0.0**	**0.0**	**21.9**	**4.8**	**3.5**	**18.5**	**20.1**	**106.3**	**25.19**

Notes:
-W411, constructed as an extraction well and classified as such, has never been utilized for active groundwater extraction purposes.
[1] http://climate.umn.edu/HIDradius/radius.asp
retrieve only this station: 211374 Cass Lake
Precipitation from High Density Network

Table 8
OU3 Annual Average Extraction Rates
St. Regis Paper Company Site

Extraction Well	Maximum Design Capacity[1] [gpm]	Initial Pumping Rate (@ Start-up) [gpm]	Pumping Rate 1996 GW Flow Model [gpm]	Pumping 2005 GW Flow Model [gpm]	2010 Pumping Rate [gpm]	2011 Pumping Rate [gpm]	2012 Pumping Rate [gpm]	2013 Target Rate [gpm]
W2401	40	20	7	8	7.9	5.0	3.6	5.0
W2402	40	20	15	15	12.6	17.9	18.6	20
W2403	40	20	20	20	14.7	16.2	20.3	20
Total	**120**	**60**	**42**	**43**	**35.2**	**39.1**	**42.5**	**45.0**

[1] Figure 4. Response Action Final Report. Former City Dump Pit Site. Prepared for Champion International. November 1988.

Table 9
Product Recovery Summary - 2012
St. Regis Paper Company Site

Well ID	Product Level [feet below TOR]		Groundwater Level [feet below TOR]		Product Thickness [feet]		Recovered Product [Liters]
	Initial	Final	Initial	Final	Initial	Final	
OU3 – City Dump Pit Area							
W2105	19.48	19.76	21.58	19.82	2.1	0.06	1.3
W2104	Trace	NA	NA	NA	NA	NA	NA
W2103	None	NA	NA	NA	NA	NA	NA
W2102	None	NA	NA	NA	NA	NA	NA
W2502	6.58	NA	6.9	NA	0.32	NA	NA
W2504	7.48	Tr	7.49	7.08	0.01	---	---
2401	28.24	NA	28.52	NA	0.28	---	---
S2401	None	NA	NA	NA	NA	NA	NA
S2402	Heavy Film	NA	NA	NA	NA	NA	NA
S2403	None	NA	NA	NA	NA	NA	NA
OU1 – Treating Facility Area							
SO401	None	NA	NA	NA	NA	NA	NA
SO402	None	NA	NA	NA	NA	NA	NA
SO403	None	NA	NA	NA	NA	NA	NA
SO405	None	NA	NA	NA	NA	NA	NA
W118	18.18	NA	18.51	NA	0.33	--	---
Total							**1.3**
							(0.3 gallons)

TOR – top of riser

--- No measurement

NA – Not Applicable (i.e., no product present). These monitoring points are included based on previous findings.

Table 10
Product Recovery over Time
St. Regis Paper Company Site
[units in Liters]

Date	W2105	W2104	W2103	W2102	W2502	W2504	2401	S2401	S2402	S2403	SO401	SO402	SO403	SO405	W118	Total
04/06/00	7.0	0.3						9.0	2.0						0.3	18.6
04/06/01		1.0						8.0	4.0							13.0
05/06/02	1.2							3.5	1.0						0.3	6.0
05/11/03	3.0							25.0	16.0						0.5	44.5
04/22/04	0.3						16.0	23.0	42.0							81.3
05/13/05	3.1					0.8		9.0	11.0							23.9
09/22/06	3.0						17.6	2.7	42.0						0.2	65.5
05/21/07	2.0					0.2	14.0									16.2
05/23/08	2.0					0.2			18.5							20.7
05/15/09	2.7				0.1	0.4			4.4							7.6
05/15/10	3.2															3.2
05/11/11	1.7					0.6										2.4
05/11/12	1.3															2.4
Total	30.5	1.3	0.0	0.0	0.1	2.2	47.6	80.2	140.9	0.0	0.0	0.0	0.0	0.0	1.4	305.1

Table 11
Water Elevations - 2012
St. Regis Paper Company Site and City Dump Site

[Elevation datum: NAVD 88]

Date:	04/25/12		10/23/12	
Monitoring Location	Water Elevation[1] [ft. MSL]	Adjusted Water Elevation Used for Capture Zone Analysis[2] (if different)	Water Elevation[1] [ft. MSL]	Adjusted Water Elevation Used for Capture Zone Analysis[2] (if different)
OU1 - Treating Facility Area				
W104	1304.29		1303.67	
W105R	1303.54		1302.54	
W112	1303.38		1302.08	
W114	1303.77		1302.31	
W115	1303.16		1301.66	
W118	1304.57		1304.02	
W205	1303.55		1302.55	
W209	1303.99		1303.14	
W212	1303.43		1302.25	
W213	1303.40		1302.17	
W215	1303.37		1302.18	
W217	1303.17		1301.99	
W218	1304.56		1304.13	
W219	1303.28		1302.06	
W220	1303.37		1302.07	
W221	1303.22		1301.98	
W222	1303.74		1303.01	
W223	1303.69		1302.80	
MW3	1306.48		1306.51	
W302	1306.14		1306.06	
W306	1303.82		1302.79	
W401[3]	1290.92	1305.50	1298.50	1304.87
W402[3]	1301.94	1303.96	1301.04	1303.17
W403[3]	1302.20	1303.47	1300.57	1302.56
W404[3]	1300.70	1303.51	1299.51	1302.68
W405[3]	1291.40	1303.32	1291.80	1302.51
W406	1303.38		1302.36	
W407	1303.63		1302.53	
W408	1303.41		1302.21	
W409[3]	1296.37	1303.17	1302.34	1302.29
W410[3]	1300.91	1303.56	1301.69	1302.75
W411	1303.53		1302.57	
S401	1304.16		1303.73	
S402	1303.66		1302.76	
S403	1304.57		1302.04	
S405	1303.70		1302.27	
W509	1303.35		1302.33	
W510	1303.33		1302.30	
W511	1303.35		1302.37	
W512	1303.45		1302.42	
W513	1303.23		1302.23	
W514	1303.58		1302.57	
North Staff	1303.1		1301.6	
RR Staff	1303.2		1301.7	
South Staff	1303.1		DRY	

Table 11
Water Elevations - 2012
St. Regis Paper Company Site and City Dump Site

[Elevation datum: NAVD 88]

Date:	04/25/12		10/23/12	
Monitoring Location	Water Elevation[1] [ft. MSL]	Adjusted Water Elevation Used for Capture Zone Analysis[2] (if different)	Water Elevation[1] [ft. MSL]	Adjusted Water Elevation Used for Capture Zone Analysis[2] (if different)
OU2 - Containment Vault Area				
W124	1306.12		1306.60	
W125	1306.15		1306.54	
W126	1305.73		1305.86	
W127	1305.66		1305.74	
W128	1305.70		1305.67	
W129	1305.86		1305.98	
W130	1305.80		1306.19	
W231	1305.83		1306.20	
W324	1305.84		1306.44	
W329	1305.90		1306.13	
W330	1306.38		1306.71	
OU3 - City Dump Area				
W2102	1304.56		1304.11	
W2103	1304.30		1303.86	
W2104	1304.65		1304.24	
W2105	1304.25		1303.82	
W2106	1303.95		1303.51	
W2127	1303.92		1303.38	
Fox Creek @ W2127	1303.2		1302.8	
Fox Creek @ CR 147	1304.9		1304.9	
W2128	1304.13		1303.53	
W2129	1303.51		1303.02	
W2134	1304.02		1303.40	
W2135	1304.09		1303.40	
W2140	1303.93		1303.26	
W2228	1304.30		1303.74	
W2233	1304.59		1304.13	
W2234	1304.13		1303.52	
W2236	1304.62		1304.22	
W2237R	1304.68		1304.24	
W2238	1304.19		1303.67	
W2239	1304.54		1304.12	
W2301	1305.06		1304.68	
W2325	1305.11		1304.79	
W2326	1305.07		1304.67	
W2329	1304.31		1303.54	
W2333	1304.81		1304.43	
W2335	1304.45		1303.67	
W2336	1304.76		1304.33	
W2339	1304.69		1304.24	
W2401[3]	1285.14	1304.11	1284.95	1303.76
W2403[3]	1286.95	1303.13	1285.46	1302.47
W2402[3]	1298.56	1303.33	1296.62	1302.74
S2401	1303.89		1303.39	
S2403	1303.38		1303.31	
S2402	1303.43		1302.93	
W2501	1304.38		1303.89	
W2502	1303.98		1303.45	
W2504	1303.97		1303.51	
W2505	1304.13		1303.64	

Table 11
Water Elevations - 2012
St. Regis Paper Company Site and City Dump Site

[Elevation datum: NAVD 88]

Date:	04/25/12		10/23/12	
Monitoring Location	Water Elevation[1] [ft. MSL]	Adjusted Water Elevation Used for Capture Zone Analysis[2] (if different)	Water Elevation[1] [ft. MSL]	Adjusted Water Elevation Used for Capture Zone Analysis[2] (if different)

Notes:

[1] Water elevation based on field measurements

[2] See Appendix E for a description of water elevation adjustment methodologies and control point water elevations

[3] Water elevations adjustments to account for well loss in active extraction well.

Table 12 - Comprehensive List of Monitoring Wells - 2012 Update
St. Regis Paper Company Site

Well Identification	Date Installed	Elevations [ft. MSL, NAVD 88][1,2] Riser Pipe	Protective Casing	Ground Surface	Top of Screen	Bottom of Screen	Total Well Depth	Screen Dimensions Length	Diameter	Construction Materials Casing	Screen	Location Northing	Easting	Year Abandoned	Reason for Abandonment
OU1- Treating Facility Area															
Top of Surficial Aquifer															
101	01/26/82	1319.66		1318.1	1305.1	1295.1	23.0	10	4	Galvanized	Galvanized			1987	No longer required by monitoring program
102	01/27/82	1320.32		1318.6	1301.1	1291.1	27.5	10	4	Galvanized	Galvanized			1987	No longer required by monitoring program
103	01/27/82	1317.79		1315.4	1190.4	1293.4	22.0	10	4	Galvanized	Galvanized			1987	No longer required by monitoring program
104	01/27/82	1319.14	1319.64	1316.8	1306.3	1296.3	20.5	10	4	Galvanized	Galvanized	5248257.17	379466.64		
105	07/12/84	1306.67	1307.16	1305.2	1302.2	1292.2	13.0	10	4	Galvanized	Galvanized	5248324.80	379826.43	2007	Well collapsed and was replaced by W105R.
105R	02/15/07	1306.86	1307.51	1305.3	1290.3	1280.3	25.0	10	2	Black Steel	Stainless Steel	5248326.31	379825.72		
106	01/27/82	1306.46		1305.1	1296.6	1286.6	18.5	10	4	Galvanized	Galvanized			1987	No longer required by monitoring program
107	01/27/82	1305.83		1304.7	1298.7	1288.7	16.0	10	4	Galvanized	Galvanized			1987	No longer required by monitoring program
108	01/26/82	1306.12		1304.8	1299.8	1289.8	15.0	10	4	Galvanized	Galvanized			1987	No longer required by monitoring program
109	01/26/82	1308.50		1307.2	1299.7	1289.7	17.5	10	4	Galvanized	Galvanized			1987	No longer required by monitoring program
110	01/26/82	1319.55		1318.2	1306.2	1296.2	22.0	10	4	Galvanized	Galvanized			1987	No longer required by monitoring program
111	01/27/82	1329.41		1327.9	1305.9	1295.9	32.0	10	4	Galvanized	Galvanized			1987	No longer required by monitoring program
112	07/15/83	1305.77	1306.41	1304.5	1301.5	1291.5	13.0	10	4	Galvanized	Galvanized	5248206.97	379977.50		
113	07/14/83	1304.72		1302.5	1299.5	1289.5	13.0	10	4	Galvanized	Galvanized	5248094.00	380010.83	2006	No longer required by monitoring program
114	07/14/83	1307.67	1308.18	1306.0	1292.0	1292.0	14.0	10	4	Galvanized	Galvanized	5248002.09	379933.88		
115	07/12/84	1307.27	1307.71	1305.5	1302.5	1292.5	13.0	10	4	Galvanized	Galvanized	5248253.90	380101.53		
116	07/12/84	1306.27		1304.9	1300.4	1290.4	14.5	10	4	Galvanized	Galvanized			1987	No longer required by monitoring program
118	12/29/84	1320.02	1321.88	1319.5	1308.5	1298.5	21.0	10	2	Stainless Steel	Stainless Steel	5248256.62	379323.75		
Botom of Surficial Aquifer															
202	07/11/84	1321.00		1319.1	1291.1	1286.0	33.1	5	2	Stainless Steel	Stainless Steel			1987	No longer required by monitoring program
205	07/10/84	1307.95	1307.93	1305.3	1258.3	1253.3	52.0	5	2	Stainless Steel	Stainless Steel	5248325.52	379829.73		
207	07/17/83	1306.82		1304.7	1259.2	1208.8	95.9	5	2	Stainless Steel	Stainless Steel			1987	No longer required by monitoring program
209	05/10/85	1311.52	1311.57	1309.3	1273.8	1268.8	40.5	5	3	Stainless Steel	Stainless Steel	5248117.27	379582.79		
212	11/04/83	1305.94	1306.06	1303.7	1251.2	1246.2	57.5	5	2	Stainless Steel	Stainless Steel	5248204.11	379976.44		
213	11/03/83	1307.45	1307.77	1304.5	1252.0	1242.0	62.5	5	2	Stainless Steel	Stainless Steel	5248095.86	380009.34		
214	11/01/83	1306.03		1303.5	1251.0	1246.0	57.5	5	2	Stainless Steel	Stainless Steel			1987	No longer required by monitoring program
215	07/12/84	1308.84	1308.86	1306.6	1255.6	1249.6	57.0	5	2	Stainless Steel	Stainless Steel	5248256.71	380102.47		
217	11/30/84	1307.56	1307.63	1305.5	1256.5	1251.5	54.0	5	2	Stainless Steel	Stainless Steel	5248319.77	380874.95		
218	12/29/84	1320.96	1321.98	1319.5	1288.5	1283.5	36.0	5	2	Stainless Steel	Stainless Steel	5248253.46	379323.77		
219	07/09/85	1308.45	1308.59	1306.8	1247.3	1242.3	64.5	5	2	Stainless Steel	Stainless Steel	5248296.01	380286.53		
220	02/23/94	1305.79	1305.89	1303.7	1245.7	1235.7	68.0	10	2	Stainless Steel	Stainless Steel	5248005.76	380087.45		
221	01/05/94	1310.55	1310.66	1308.8	1284.3	1264.3	44.5	10	2	Stainless Steel	Stainless Steel	5248463.65	380804.63		
222	02/16/07	1305.47	1305.60	1303.8	1257.8	1252.8	51.0	5	2	Black Steel	Stainless Steel	5248415.99	379738.06		
222T	05/15/06	1306.10	---	1303.2	1286.9	1283.9	19.3	3	2	Stainless Steel	Black Steel	5248416.70	379741.93	2007	Temporary drive point. Replaced by W222
223	05/01/06	1333.26	1333.55	1330.6	1271.6	1266.6	64.0	5	2	Stainless Steel	Black Steel	5247750.78	379578.74		
Lower Aquifer															
MW3	12/22/36	1324.84	1324.95	1323.2	1223.2	1213.2	110.0	15	12	Steel	Bronze	5248325.87	378910.46		2006 Survey coordinates not correct
302	02/17/82	1321.98	1322.36	1320.8	1217.3	1207.3	113.5	10	4	Galvanized	Galvanized	5248323.17	379139.12		
306	02/18/82	1308.47	1308.95	1307.9	1208.9	1198.9	109.0	10	4	Galvanized	Galvanized	5248232.74	379807.03		
340	11/19/12	1305.73		1303.3	1112.3	1102.3	201.0	10	2	Black Steel	Stainless Steel	5248145.52	380025.21		
341	11/16/12	1305.82		1303.5	1165.0	1155.0	148.5	10	2	Black Steel	Stainless Steel	5248019.43	380026.10		
Pump-out Wells															
401	11/05/85	1321.51	1321.54	1319.7	1294.7	1284.7	35.0	10	6	Black Steel	Stainless Steel	5248244.31	379310.40		
402	11/06/85	1309.33	1309.34	1307.6	1280.6	1265.6	42.0	15	6	Black Steel	Stainless Steel	5248143.67	379676.46		
403	11/14/85	1310.82	1310.83	1308.2	1273.2	1258.2	50.0	15	6	Black Steel	Stainless Steel	5248235.06	379806.88		
404	11/18/85	1309.13	1309.2	1307.1	1292.1	1277.1	30.0	15	6	Black Steel	Stainless Steel	5248205.74	379800.07		
405	10/30/85	1309.85	1309.87	1307.3	1272.3	1257.3	50.0	15	6	Black Steel	Stainless Steel	5248144.44	379787.41		
406	11/20/85	1308.64	1308.71	1307.2	1292.2	1277.2	30.0	15	6	Black Steel	Stainless Steel	5248084.43	379776.57		
407	11/21/85	1307.64	1307.71	1306.8	1274.8	1259.8	47.0	15	6	Black Steel	Stainless Steel	5248058.84	379770.13		
408	11/12/85	1306.16	1306.22	1304.4	1264.4	1244.4	60.0	20	6	Black Steel	Stainless Steel	5248102.94	380007.10		
409	11/14/85	1308.33	1308.31	1306.1	1271.1	1256.1	50.0	15	6	Black Steel	Stainless Steel	5248174.57	379795.23		
410	11/19/85	1310.84	1310.88	1306.9	1271.9	1256.9	50.0	15	6	Black Steel	Stainless Steel	5248114.73	379783.65		
411[3]	08/04/87	1311.45	1311.89	1310.1	1273.1	1258.1	52.0	15	6	Black Steel	Stainless Steel	5248264.67	379764.41		

Table 12 - Comprehensive List of Monitoring Wells - 2012 Update
St. Regis Paper Company Site

Well Identification	Date Installed	Elevations [ft. MSL, NAVD 88][1,2] Riser Pipe	Protective Casing	Ground Surface	Top of Screen	Bottom of Screen	Total Well Depth	Screen Dimensions Length	Diameter	Construction Materials Casing	Screen	Location Northing	Easting	Year Abandoned	Reason for Abandonment
Observation Wells															
501	11/05/86	1308.59	1308.71	1305.2	1302.4	1281.9	23.3	20.5	2	Stainless Steel	Stainless Steel	5248220.33	379803.15	2006	Replaced by piezometer 509
502	11/07/86	1307.27	1307.42	1304.1	1301.1	1280.6	23.5	20.5	2	Stainless Steel	Stainless Steel	5248190.04	379797.46	2006	Replaced by piezometer 510
503	11/07/86	1308.63	1308.66	1305.1	1302.1	1281.6	23.5	20.5	2	Stainless Steel	Stainless Steel	5248159.52	379791.14	2006	Replaced by piezometer 511
504	11/07/86	1309.49	1309.58	1306.1	1302.0	1281.5	24.6	20.5	2	Stainless Steel	Stainless Steel	5248129.14	379784.61	2006	Replaced by piezometer 512
505	11/05/86	1308.53	1308.58	1305.2	1302.9	1282.4	22.8	20.5	2	Stainless Steel	Stainless Steel	5248099.65	379779.68	2006	Replaced by piezometer 513
506	11/07/86	1307.78	1307.86	1304.3	1301.8	1281.3	23.0	20.5	2	Stainless Steel	Stainless Steel	5248071.47	379773.28	2006	Replaced by piezometer 514
507	11/07/86	1306.88	1306.94	1303.2	1300.7	1280.2	23.0	20.5	2	Stainless Steel	Stainless Steel	5248156.34	379805.97	2006	Replaced by piezometer 511
508	11/07/86	1307.08	1307.22	1303.7	1300.8	1280.2	23.5	20.5	2	Stainless Steel	Stainless Steel	5248126.57	379799.68	2006	Replaced by piezometer 512
509	05/08/06	1310.09	1310.31	1307.4	1267.4	1262.4	45.0	5	2	Stainless Steel	Black Steel	5248228.77	379805.72		
510	05/08/06	1308.52	1309.15	1306.1	1267.1	1262.1	44.0	5	2	Stainless Steel	Black Steel	5248192.63	379797.85		
511	05/07/06	1309.73	1310.05	1306.5	1266.5	1261.5	45.0	5	2	Stainless Steel	Black Steel	5248162.30	379791.90		
512	05/07/06	1309.55	1309.83	1306.0	1261.0	1256.0	50.0	5	2	Stainless Steel	Black Steel	5248121.43	379784.59		
513	05/06/06	1308.41	1308.62	1305.7	1266.7	1261.7	44.0	5	2	Stainless Steel	Black Steel	5248094.67	379780.57		
514	05/06/06	1309.36	1309.72	1306.4	1265.4	1260.4	46.0	5	2	Stainless Steel	Black Steel	5248065.72	379773.26		
515	11/14/12	1309.08		1306.8	1281.3	1276.3	30.5	5	2	Stainless Steel	Black Steel	5248030.33	379756.65		
516	11/17/12	1322.61		1320.4	1281.9	1276.9	43.5	5	2	Stainless Steel	Black Steel	5247963.92	379246.23		
517	11/20/12	1327.38		1324.7	1306.2	1296.2	28.5	10	2	Stainless Steel	Black Steel	5248387.74	379324.53		
Special Observation Wells															
S401	09/18/87	1320.74	1320.92	1319.7	1306.7	1296.7	23.0	10	2	Black Steel	Black Steel	5248244.47	379310.10		
S402	09/17/87	1308.53	1309.45	1307.6	1298.6	1288.6	19.0	10	2	Black Steel	Black Steel	5248144.03	379676.57		
S403	09/18/87	1309.27	1309.43	1308.3	1305.3	1295.3	13.0	10	2	Black Steel	Black Steel	5248235.40	379807.05		
S405	09/18/87	1308.15	1308.33	1307.2	1304.2	1297.2	10.0	10	2	Black Steel	Black Steel	5248144.60	379787.75		
OU2 - Vault Area															
Vault Monitoring Wells															
111	01/27/82	1329.41		1327.9	1305.9	1295.9	32.0	10	4	Galvanized	Galvanized			1987	Replaced by permanent monitoring wells at the vault
121	04/02/86	1324.13		1321.6	1307.0	1296.7	24.9	10	2	Stainless Steel	Stainless Steel			1987	Replaced by permanent monitoring wells at the vault
122	04/01/86	1331.90		1329.1	1307.4	1287.1	42.0	10	2	Stainless Steel	Stainless Steel			1987	Replaced by permanent monitoring wells at the vault
123	04/02/86	1335.67		1332.6	1308.8	1298.5	34.1	10	2	Stainless Steel	Stainless Steel			1987	Replaced by permanent monitoring wells at the vault
124	07/28/87	1332.59	1333	1331.1	1314.1	1299.1	32.0	15	6	Black Steel	Stainless Steel	5247810.20	378417.34		
125	07/27/87	1332.14	1332.61	1330.3	1314.3	1299.3	31.0	15	6	Black Steel	Stainless Steel	5247820.51	378462.16		
126	07/29/87	1331.41	1331.87	1329.5	1309.0	1294.0	35.5	15	6	Black Steel	Stainless Steel	5247639.04	378494.14		
127	07/30/87	1328.06	1328.62	1326.4	1308.4	1293.4	33.0	15	6	Black Steel	Stainless Steel	5247649.72	378551.45		
128	08/03/87	1325.85	1326.3	1324.0	1305.0	1290.0	34.0	15	6	Black Steel	Stainless Steel	5247694.97	378578.35		
129	08/12/92	1328.85	1329.17	1327.0	1312.0	1297.0	30.0	15	6	Black Steel	Stainless Steel	5247755.44	378581.58		
130	08/12/92	1334.8	1335.16	1332.9	1313.9	1298.9	34.0	15	6	Black Steel	Stainless Steel	5247694.75	378392.35		
Fish Hatchery Property															
231	07/09/09	1333.51	--	1331.2	1301.2	1296.2	35.0	5	2	Black Steel	Stainless Steel	5247689.30	378361.59		
Lower Aquifer Wells															
324	07/10/09	1333.21	--	1331.2	1291.2	1286.2	45.0	5	2	Black Steel	Stainless Steel	5247807.51	378418.59		
329	07/10/09	1328.94	--	1327.0	1247.0	1242.0	85.0	5	2	Black Steel	Stainless Steel	5247751.30	378580.16		
330	07/14/09	1333.87	--	1331.8	1286.8	1281.8	50.0	5	2	Black Steel	Stainless Steel	5247693.75	378398.06		

Table 12 - Comprehensive List of Monitoring Wells - 2012 Update
St. Regis Paper Company Site

Well Identification	Date Installed	Elevations [ft. MSL, NAVD 88][1,2] Riser Pipe	Protective Casing	Ground Surface	Top of Screen	Bottom of Screen	Total Well Depth	Screen Dimensions Length	Diameter	Construction Materials Casing	Screen	Location Northing	Easting	Year Abandoned	Reason for Abandonment
OU3 - City Dump Pit Area															
Top of Surifical Aquifer															
2101	11/27/84	1321.79		1319.2	1307.2	1297.2	22.0	10	2	Stainless Steel	Stainless Steel			1987	No longer required by monitoring program
2102	11/27/84	1318.79	1318.78	1316.0	1306.5	1296.5	19.5	10	2	Stainless Steel	Stainless Steel	5247446.51	379006.99		
2103	11/28/84	1320.28	1320.3	1317.6	1308.1	1298.1	19.5	10	2	Stainless Steel	Stainless Steel	5247416.57	378997.94		
2104	11/28/84	1319.48	1319.49	1316.7	1308.2	1298.2	18.5	10	2	Stainless Steel	Stainless Steel	5247412.15	378969.27		
2105	01/03/85	1322.9	1323.86	1321.4	1307.9	1297.9	23.5	10	2	Stainless Steel	Stainless Steel	5247357.21	378986.31		
2106	01/03/85	1309.76	1310.21	1309.1	1306.6	1296.0	13.1	10	2	Stainless Steel	Stainless Steel	5247416.84	379049.81		
2125	02/13/85	1316.90		1315.0	1307.0	1297.0	18.0	10.1	2	Stainless Steel	Stainless Steel			1987	No longer required by monitoring program
2126	02/14/85	1319.24		1317.8	1306.3	1296.3	21.5	10.2	2	Stainless Steel	Stainless Steel			1987	No longer required by monitoring program
2127	02/19/85	1306.71	1306.72	1304.0	1272.5	1267.5	36.5	5.1	2	Stainless Steel	Stainless Steel	5247295.90	379040.90		
2128	02/18/85	1305.08	1306.39	1304.2	1284.7	1279.7	24.5	5.1	2	Stainless Steel	Stainless Steel	5247344.42	379081.45		
2129	02/19/85	1307.36	1307.4	1304.0	1296.0	1291.0	13.0	5.1	2	Stainless Steel	Stainless Steel	5247292.26	379153.73		
2133	05/09/85	1318.11		1314.7	1303.2	1295.2	19.5	10	2	Stainless Steel	Stainless Steel			1987	No longer required by monitoring program
2134	04/21/86	1313.21	1313.33	1310.9	1305.9	1295.9	15.0	10	2	Stainless Steel	Stainless Steel	5247433.01	379125.44		
2135	03/25/86	1317.29	1317.38	1314.6	1307.1	1297.1	17.5	10	2	Stainless Steel	Stainless Steel	5247435.95	379201.62		
2140	02/23/09	1308.29	--	1305.1	1303.1	1293.1	12.0	10	2	Black Steel	Stainless Steel	5247390.98	379130.28		
Bottom of Surficial Aquifer															
2201	02/13/85	1321.90		1319.5	1275.5	1270.5	49.0	5	2	Stainless Steel	Stainless Steel			1987	No longer required by monitoring program
2226	05/06/85	1319.44		1317.3	1276.3	1271.3	46.0	5	2	Stainless Steel	Stainless Steel			1987	No longer required by monitoring program
2228	03/04/08	1306.94		1304.5	1242.5	1237.5	67.0	5	2	Black Steel	Stainless Steel	5247342.32	379080.64		
2233	05/04/06	1319.56	1320.02	1317.0	1283.0	1278.0	39.0	5	2	Stainless Steel	Black Steel	5247489.73	379014.49		
2234	02/21/87	1312.97	1313.34	1311.4	1272.9	1267.9	43.5	5	2	Stainless Steel	Stainless Steel	5247432.73	379127.90		
2236	05/09/06	1328.87	1329.31	1326.4	1292.4	1287.4	39.0	5	2	Stainless Steel	Black Steel	5247344.85	378948.27		
2237	03/03/08	1307.41		1304.7	1176.7	1171.7	133.0	5	2	Black Steel	Stainless Steel	5247328.12	379005.21	2009	To be replaced in 2009 due to impacts of grout.
2237R	03/03/09	1307.35	--	1304.8	1225.6	1220.6	84.3	5	2	Black Steel	Stainless Steel	5247330.71	379004.90		
2238	03/05/08	1306.87	--	1303.3	1237.8	1236.8	66.5	1	2	Black Steel	Stainless Steel	5247361.47	379042.76		
2239	03/05/09	1307.30	--	1304.7	1272.7	1267.7	37.0	5	2	Black Steel	Stainless Steel	5247309.68	378986.69		
Lower Aquifer Wells															
2301	02/12/85	1323.78	1323.82	1321.7	1252.7	1247.7	74.0	5.1	2	Stainless Steel	Stainless Steel	5247542.05	378910.30		
2325	05/07/85	1318.97	1319.17	1316.8	1242.8	1237.8	79.0	5	2	Stainless Steel	Stainless Steel	5247464.07	378859.32		
2326	05/04/85	1321.51	1321.54	1319.6	1221.6	1216.6	103.0	5	2	Stainless Steel	Stainless Steel	5247360.42	378889.88		
2329	02/22/94	1306.18	1306.55	1304.0	1245.0	1235.0	69.0	10	2	Stainless Steel	Stainless Steel	5247298.19	379162.20		
2333	05/09/85	1319.13	1319.2	1318.0	1243.0	1238.0	80.0	5	2	Stainless Steel	Stainless Steel	5247490.59	379012.97		
2335	04/26/85	1315.61	1315.48	1313.7	1191.7	1181.7	132.0	10	4	Black Steel	Stainless Steel	5247434.32	379197.81		
2336	04/26/85	1328.74	1329.14	1326.2	1231.2	1226.2	100.0	5	2	Black Steel	Stainless Steel	5247344.21	378946.67		
2339	03/05/09	1307.21	--	1304.6	1204.6	1199.6	105.0	5	2	Black Steel	Stainless Steel	5247308.23	378987.41		
Pump-out Wells															
2401	08/07/87	--	1313.4	1311.7	1296.2	1276.2	35.5	20	12	Black Steel	Stainless Steel	5247440.78	379028.60		
2402	08/06/87	--	1310.74	1308.9	1295.9	1275.9	33.0	20	12	Black Steel	Stainless Steel	5247411.40	379086.14		
2403	08/07/87	--	1308.39	1306.8	1286.8	1266.8	40.0	20	12	Black Steel	Stainless Steel	5247390.20	379029.79		
Special Observation Wells															
S2401	08/07/87	--	1313.42	1311.9	1305.9	1297.9	14.0	8	24	Black Steel	Galvanized	5247440.91	379029.69		
S2402	08/05/87	--	1310.83	1309.7	1303.7	1295.7	14.0	8	24	Black Steel	Galvanized	5247412.53	379086.46		
S2403	08/07/87	--	1307.88	1306.3	1302.3	1294.3	12.0	8	24	Black Steel	Galvanized	5247390.45	379030.63		
Observation Wells															
2501	09/15/87	1314.4	1314.59	1313.1	1306.1	1291.1	22.0	15	2	Galvanized	Stainless Steel	5247466.37	379029.49		
2502	09/16/87	1310.58	1310.71	1309.8	1308.8	1293.8	16.0	15	2	Galvanized	Stainless Steel	5247416.16	379060.02		
2503	09/17/87	1305.28	1305.26	1304.9	1303.1	1288.1	16.8	15	2	Galvanized	Stainless Steel	5247367.41	379027.77	2006	Screened across wetland deposit. Replaced by 2505.
2504	09/18/87	1311.45	1312.26	1310.5	1307.5	1292.5	18.0	15	2	Galvanized	Stainless Steel	5247415.35	379031.16		
2505	5/3/206	1307.16	1307.59	1304.8	1250.8	1245.8	59.0	5	2	Stainless Steel	Black Steel	5247371.99	379026.10		
DNR Well															
11016	--	1323.96	--	1322.1	1301.9	1299.9	22.2	2	2	Stainless Steel	Black Steel	5248352.02	379270.03	2009	Removed by Enbridge Pipeline Construction Project

(1) Vertical Datum for Existing Wells: NAVD 88
(2) Vertical datum for abandoned wells is approximately 1.9 feet lower than NAVD 88
(3) W411, constructed as an extraction well and classified as such, has never been utilized for active groundwater extraction purposes.

Table 13
Groundwater Quality Data- Top of Surficial Aquifer
OU1- Treating Facility Site
St. Regis Paper Company Site

		Sys Loc Code	W104	W105R		W105R	W112	W114	W115	W118
		Sample Date	5/6/2012	5/6/2012		10/22/2012	4/30/2012	4/30/2012	5/1/2012	5/6/2012
		Sample Type Code	N	N	FD	N	N	N	N	N
Chemical Name	Drinking Water Criteria	Intervention Limits								
Exceedance Key	**Bold**	Underline								
SVOCs										
Benz(a)anthracene			< 0.0062 ug/l	< 0.0059 ug/l	< 0.0076 ug/l	0.0034 j ug/l	0.0082 j ug/l	< 0.0026 ug/l	< 0.0027 ug/l	0.92 j ug/l
Chrysene			< 0.0035 ug/l	0.0036 j ug/l	0.0064 j ug/l	< 0.0034 ug/l	0.0052 j ug/l	< 0.0034 ug/l	< 0.0035 ug/l	0.96 j ug/l
Benzo(b)fluoranthene			< 0.0024 ug/l	< 0.0023 ug/l	0.0069 j ug/l	< 0.0041 ug/l	0.0073 j ug/l	< 0.0023 ug/l	< 0.0024 ug/l	< 0.60 ug/l
Benzo(k)fluoranthene			< 0.0026 ug/l	< 0.0025 ug/l	0.0063 j ug/l	< 0.0030 ug/l	0.0030 j ug/l	< 0.0025 ug/l	< 0.0026 ug/l	< 0.85 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0044 ug/l	< 0.0043 ug/l	< 0.0044 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0044 ug/l	< 0.67 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0027 ug/l	< 0.0026 ug/l	< 0.0083 ug/l	0.0058 j ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0027 ug/l	< 0.70 ug/l
Dibenz(a,h)anthracene			< 0.0026 ug/l	< 0.0025 ug/l	< 0.0049 ug/l	0.0033 j ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0026 ug/l	< 0.77 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	**0.05 ug/l**		0.0036 ug/l	0.0036 a ug/l	0.0058 a ug/l	0.0053 a ug/l	0.0049 a ug/l	0.0034 ug/l	0.0035 ug/l	**0.76 a ug/l**
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	**0.05 ug/l**		ND ug/l	0.000040 a ug/l	0.0014 a ug/l	0.0028 a ug/l	0.0019 a ug/l	ND ug/l	ND ug/l	**0.10 a ug/l**
2-Methylnaphthalene			0.081 ug/l	< 0.0023 ug/l	< 0.0026 ug/l	< 0.0023 ug/l	0.045 ug/l	0.051 ug/l	< 0.0024 ug/l	420 ug/l
Acenaphthene	400 ug/l		7.2 ug/l	< 0.0044 ug/l	< 0.0045 ug/l	< 0.0044 ug/l	0.080 ug/l	0.076 ug/l	< 0.0045 ug/l	55 ug/l
Acenaphthylene			0.22 ug/l	< 0.0034 ug/l	< 0.0035 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0035 ug/l	5.5 j ug/l
Anthracene	2000 ug/l	0.035 ug/l	0.70 ug/l	0.013 j ug/l	0.0077 j ug/l	0.010 j ug/l	0.023 ug/l	< 0.0036 ug/l	< 0.0037 ug/l	17 j ug/l
Benzo(g,h,i)perylene			< 0.0030 ug/l	< 0.0029 ug/l	< 0.0061 ug/l	0.011 j ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0030 ug/l	< 0.83 ug/l
Fluoranthene	300 ug/l		0.0088 j ug/l	0.0054 j ug/l	0.0048 j ug/l	< 0.010 ug/l	0.051 ug/l	< 0.0044 ug/l	< 0.0045 ug/l	12 j ug/l
Fluorene	300 ug/l		6.8 ug/l	< 0.0038 ug/l	< 0.0039 ug/l	< 0.0038 ug/l	0.021 ug/l	0.022 ug/l	< 0.0039 ug/l	42 ug/l
Naphthalene	**300 ug/l**		1.2 ug/l	0.23 ug/l	< 0.069 ug/l	< 0.40 ug/l	0.091 ug/l	0.38 ug/l	0.089 ug/l	**1500 ug/l**
Phenanthrene			1.7 ug/l	0.0076 j ug/l	< 0.0051 ug/l	< 0.0050 ug/l	< 0.012 ug/l	< 0.014 ug/l	< 0.0051 ug/l	60 j ug/l
Pyrene	200 ug/l		< 0.014 ug/l	< 0.0035 ug/l	< 0.0049 ug/l	< 0.0053 ug/l	0.047 ug/l	< 0.0035 ug/l	< 0.0036 ug/l	4.2 j ug/l
Pentachlorophenol	**1 ug/l**	5.5 ug/l	**330 ug/l**	**48 ug/l**	**48 ug/l**	**20 ug/l**	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	**47000 ug/l**

-Data qualifiers and footnotes are detailed in Table 38.

Table 14
Groundwater Quality Data- Base of Surficial Aquifer
OU1- Treating Facility Site
St. Regis Paper Company Site

		Sys Loc Code	W205	W209	W212	W212	W212	W213	
		Sample Date	5/2/2012	4/30/2012	3/20/2012	5/9/2012	10/23/2012	3/20/2012	
		Sample Type Code	N	N	N	N	N	N	FD
Chemical Name	Drinking Water Criteria	Intervention Limits							
Exceedance Key	**Bold**	Underline							
SVOCs									
Benz(a)anthracene			< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l
Chrysene			< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l
Benzo(b)fluoranthene			< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0041 ug/l	< 0.0023 ug/l	< 0.0023 ug/l
Benzo(k)fluoranthene			< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0030 ug/l	< 0.0025 ug/l	< 0.0025 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l
Dibenz(a,h)anthracene			< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l		0.0034 ug/l	0.0034 ug/l	0.0034 ug/l	0.0034 ug/l	0.0035 ug/l	0.0034 ug/l	0.0034 ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l		ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l
2-Methylnaphthalene			0.0073 j ug/l	< 0.058 ug/l	< 0.0023 ug/l	< 0.0033 ug/l	< 0.0023 ug/l	< 0.016 ug/l	< 0.018 ug/l
Acenaphthene	400 ug/l		< 0.0044 ug/l	0.099 ug/l	< 0.0044 ug/l	0.014 j ug/l	< 0.0044 ug/l	6.7 ug/l	6.6 ug/l
Acenaphthylene			< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.11 ug/l	< 0.11 ug/l
Anthracene	2000 ug/l	0.035 ug/l	< 0.0036 ug/l	0.0075 j ug/l	0.011 j ug/l	< 0.021 ug/l	0.021 ug/l	0.27 ug/l	0.28 ug/l
Benzo(g,h,i)perylene			< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l
Fluoranthene	300 ug/l		< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.010 ug/l	< 0.0044 ug/l	< 0.0044 ug/l
Fluorene	300 ug/l		< 0.0038 ug/l	0.032 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	1.1 ug/l	1.1 ug/l
Naphthalene	300 ug/l		0.16 ug/l	< 0.23 ug/l	< 0.016 ug/l	< 0.34 ug/l	< 0.018 ug/l	2.2 ug/l	2.2 ug/l
Phenanthrene			< 0.0050 ug/l	0.029 ug/l	< 0.0050 ug/l	< 0.0051 ug/l	< 0.0050 ug/l	0.012 j* ug/l	0.014 j* ug/l
Pyrene	200 ug/l		< 0.0035 ug/l	< 0.0035 ug/l	< 0.0035 ug/l	< 0.0035 ug/l	< 0.0053 ug/l	0.0044 j* ug/l	0.0057 j* ug/l
1,6-Dinitropyrene			--	--	--	--	--	--	--
1,8-Dinitropyrene			--	--	--	--	--	--	--
1-Nitropyrene			--	--	--	--	--	--	--
2-Nitrofluorene			--	--	--	--	--	--	--
3-Methylcholanthrene			--	--	--	--	--	--	--
5-Methylchrysene			--	--	--	--	--	--	--
5-Nitroacenapthene			--	--	--	--	--	--	--
6-Nitrochrysene			--	--	--	--	--	--	--
7,12-Dimethylbenz(a)anthracene			--	--	--	--	--	--	--
7h-Dibenzo(c,g)carbazole			--	--	--	--	--	--	--
Benzo(b&j)fluoranthene			--	--	--	--	--	--	--
Dibenz(a,h)acridine			--	--	--	--	--	--	--
Dibenz(a,j)acridine			--	--	--	--	--	--	--
Dibenzo(a,e)pyrene			--	--	--	--	--	--	--
Dibenzo(a,l)pyrene			--	--	--	--	--	--	--
Dibenzo(a,h)pyrene			--	--	--	--	--	--	--
Dibenzo(a,i)pyrene			--	--	--	--	--	--	--
Pentachlorophenol	**1 ug/l**	5.5 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	**18 ug/l**	**140 ug/l**	< 0.16 ug/l	< 0.16 ug/l

Table 14
Groundwater Quality Data- Base of Surficial Aquifer
OU1- Treating Facility Site
St. Regis Paper Company Site

		Sys Loc Code	W205	W209	W212	W212	W212	W213	
		Sample Date	5/2/2012	4/30/2012	3/20/2012	5/9/2012	10/23/2012	3/20/2012	
		Sample Type Code	N	N	N	N	N	N	FD
Chemical Name	Drinking Water Criteria	Intervention Limits							
Exceedance Key	**Bold**	Underline							
Total Petroleum Hydrocarbons									
Diesel Range Organics-silica gel cleanup		200 ug/l	--	--	< 19 ug/l	< 22 ug/l	< 37 ug/l	< 85 ug/l	< 75 ug/l
VOCs									
Benzene		114 ug/l	--	--	< 0.062 ug/l	< 0.062 ug/l	< 0.062 ug/l	0.16 j ug/l	0.15 j ug/l
Ethyl benzene		68 ug/l	--	--	< 0.050 ug/l	< 0.050 ug/l	< 0.050 ug/l	< 0.62 ug/l	< 0.67 ug/l
Toluene		253 ug/l	--	--	< 0.054 ug/l	< 0.11 ug/l	< 0.054 ug/l	< 0.41 ug/l	< 0.37 ug/l
Xylene, m & p		166 ug/l	--	--	< 0.11 ug/l	< 0.11 ug/l	< 0.11 ug/l	< 0.22 ug/l	< 0.20 ug/l
Xylene, o		166 ug/l	--	--	< 0.074 ug/l	< 0.074 ug/l	< 0.074 ug/l	< 0.28 ug/l	< 0.29 ug/l
Chlorinated Dioxins / Furans									
2,3,7,8-Dioxin, tetra		0.0038 pg/l	--	--	< 0.255 pg/l	< 0.182 pg/l	< 0.621 pg/l	< 0.172 pg/l	< 0.146 pg/l
1,2,3,7,8-Dioxin, penta		0.0084 pg/l	--	--	< 0.126 pg/l	< 0.146 pg/l	< 0.333 pg/l	< 0.142 pg/l	< 0.163 pg/l
1,2,3,4,7,8-Dioxin, hexa		0.1267 pg/l	--	--	< 0.272 pg/l	< 0.212 pg/l	< 0.739 pg/l	< 0.245 pg/l	< 0.225 pg/l
1,2,3,6,7,8-Dioxin, hexa		0.38 pg/l	--	--	< 0.250 pg/l	< 0.207 pg/l	< 0.699 pg/l	< 0.225 pg/l	< 0.206 pg/l
1,2,3,7,8,9-Dioxin, hexa		0.38 pg/l	--	--	< 0.248 pg/l	< 0.202 pg/l	< 0.704 pg/l	< 0.224 pg/l	< 0.205 pg/l
1,2,3,4,6,7,8-Dioxin, hepta		7.6 pg/l	--	--	< 5.06 pg/l	< 0.723 pg/l	< 5.45 pg/l	< 2.12 pg/l	< 2.81 pg/l
Dioxin, octa		380 pg/l	--	--	< 38.6 pg/l	< 5.07 pg/l	< 20.3 pg/l	< 17.0 pg/l	< 19.9 pg/l
2,3,7,8-Dibenzofuran, tetra		0.0475 pg/l	--	--	< 0.0856 pg/l	< 0.172 pg/l	< 0.618 pg/l	< 0.106 pg/l	< 0.0885 pg/l
1,2,3,7,8-Dibenzofuran, penta		0.38 pg/l	--	--	< 0.184 pg/l	< 0.178 pg/l	< 0.320 pg/l	< 0.123 pg/l	< 0.110 pg/l
2,3,4,7,8-Dibenzofuran, penta		0.00475 pg/l	--	--	< 0.192 pg/l	< 0.176 pg/l	< 0.333 pg/l	< 0.128 pg/l	< 0.115 pg/l
1,2,3,4,7,8-Dibenzofuran, hexa		0.475 pg/l	--	--	< 0.115 pg/l	< 0.102 pg/l	0.528 EMPC pg/l	< 0.124 pg/l	< 0.163 pg/l
1,2,3,6,7,8-Dibenzofuran, hexa		0.19 pg/l	--	--	< 0.104 pg/l	0.128 EMPC pg/l	< 0.319 pg/l	< 0.113 pg/l	< 0.149 pg/l
1,2,3,7,8,9-Dibenzofuran, hexa		0.0633 pg/l	--	--	< 0.129 pg/l	< 0.120 pg/l	< 0.498 pg/l	< 0.139 pg/l	< 0.183 pg/l
2,3,4,6,7,8-Dibenzofuran, hexa		0.0543 pg/l	--	--	< 0.120 pg/l	< 0.108 pg/l	< 0.379 pg/l	< 0.129 pg/l	< 0.170 pg/l
1,2,3,4,6,7,8-Dibenzofuran, hepta		38 pg/l	--	--	1.29 j pg/l	< 0.222 pg/l	< 0.969 pg/l	< 0.202 pg/l	1.12 EMPC pg/l
1,2,3,4,7,8,9-Dibenzofuran, hepta		0.95 pg/l	--	--	< 0.300 pg/l	< 0.277 pg/l	< 1.38 pg/l	< 0.262 pg/l	< 0.309 pg/l
Dibenzofuran, octa		190 pg/l	--	--	< 9.26 pg/l	< 0.273 pg/l	< 2.16 pg/l	< 5.83 pg/l	< 7.06 pg/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 14
Groundwater Quality Data- Base of Surficial Aquifer
OU1- Treating Facility Site
St. Regis Paper Company Site

		Sys Loc Code	W213	W213	W215		W217	W218	W219
		Sample Date	5/9/2012	10/23/2012	5/8/2012		4/29/2012	5/6/2012	4/29/2012
		Sample Type Code	N	N	N	FD	N	N	N
Chemical Name	Drinking Water Criteria	Intervention Limits							
Exceedance Key	**Bold**	Underline							
SVOCs									
Benz(a)anthracene			< 0.0034 ug/l	< 0.0026 ug/l	< 0.0027 ug/l	< 0.0028 ug/l	0.0074 j ug/l	< 0.0026 ug/l	< 0.0052 ug/l
Chrysene			< 0.0035 ug/l	< 0.0034 ug/l	< 0.0035 ug/l	< 0.0036 ug/l	0.011 j ug/l	< 0.0034 ug/l	< 0.0037 ug/l
Benzo(b)fluoranthene			< 0.0024 ug/l	< 0.0041 ug/l	< 0.0024 ug/l	< 0.0024 ug/l	0.010 j ug/l	< 0.0023 ug/l	0.0026 j ug/l
Benzo(k)fluoranthene			< 0.0026 ug/l	< 0.0030 ug/l	< 0.0026 ug/l	< 0.0027 ug/l	0.010 j ug/l	< 0.0025 ug/l	< 0.0025 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0044 ug/l	< 0.0043 ug/l	< 0.0044 ug/l	< 0.0045 ug/l	< 0.0054 ug/l	< 0.0043 ug/l	< 0.0043 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0027 ug/l	< 0.0026 ug/l	< 0.0027 ug/l	< 0.0028 ug/l	0.011 j ug/l	< 0.0026 ug/l	< 0.0026 ug/l
Dibenz(a,h)anthracene			< 0.0026 ug/l	< 0.0025 ug/l	< 0.0026 ug/l	< 0.0027 ug/l	0.012 j ug/l	< 0.0025 ug/l	< 0.0025 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l		0.0035 ug/l	0.0035 ug/l	0.0035 ug/l	0.0036 ug/l	0.013 a ug/l	0.0034 ug/l	0.0036 a ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l		ND ug/l	ND ug/l	ND ug/l	ND ug/l	0.011 a ug/l	ND ug/l	0.00026 a ug/l
2-Methylnaphthalene			< 0.015 ug/l	< 0.013 ug/l	< 0.036 ug/l	< 0.014 ug/l	< 0.0023 ug/l	< 0.0068 ug/l	< 0.015 ug/l
Acenaphthene	400 ug/l		5.0 ug/l	4.4 ug/l	0.078 ug/l	0.076 ug/l	< 0.0044 ug/l	0.0064 j ug/l	0.44 ug/l
Acenaphthylene			0.076 ug/l	< 0.074 ug/l	0.0053 j ug/l	0.0052 j ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0076 ug/l
Anthracene	2000 ug/l	0.035 ug/l	0.24 ug/l	0.13 ug/l	0.032 * ug/l	0.032 * ug/l	0.028 ug/l	< 0.0076 ug/l	0.059 ug/l
Benzo(g,h,i)perylene			< 0.0030 ug/l	< 0.0029 ug/l	< 0.0030 ug/l	< 0.0031 ug/l	0.010 j ug/l	< 0.0029 ug/l	0.0031 j ug/l
Fluoranthene	300 ug/l		< 0.0045 ug/l	< 0.010 ug/l	< 0.0045 ug/l	< 0.0046 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	0.042 ug/l
Fluorene	300 ug/l		0.79 ug/l	0.65 ug/l	< 0.0068 ug/l	< 0.0041 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	< 0.0040 ug/l
Naphthalene	300 ug/l		1.8 ug/l	0.40 ug/l	< 0.35 ug/l	< 0.29 ug/l	< 0.072 ug/l	< 0.15 ug/l	< 0.15 ug/l
Phenanthrene			< 0.0098 ug/l	0.0060 * ug/l	< 0.0090 ug/l	< 0.0070 ug/l	< 0.0050 ug/l	< 0.0062 ug/l	< 0.037 ug/l
Pyrene	200 ug/l		< 0.0036 ug/l	< 0.0053 ug/l	0.0040 j ug/l	< 0.0037 ug/l	< 0.0035 ug/l	< 0.0057 ug/l	0.024 ug/l
1,6-Dinitropyrene			--	--	< 6.5 ng/l	< 6.5 ng/l	--	--	--
1,8-Dinitropyrene			--	--	< 7.9 ng/l	< 7.9 ng/l	--	--	--
1-Nitropyrene			--	--	< 2.4 ng/l	< 2.4 ng/l	--	--	--
2-Nitrofluorene			--	--	< 4.7 ng/l	< 4.7 ng/l	--	--	--
3-Methylcholanthrene			--	--	< 5.5 ng/l	< 5.5 ng/l	--	--	--
5-Methylchrysene			--	--	< 0.82 ng/l	< 0.82 ng/l	--	--	--
5-Nitroacenapthene			--	--	< 5.8 ng/l	< 5.8 ng/l	--	--	--
6-Nitrochrysene			--	--	< 0.98 ng/l	< 0.98 ng/l	--	--	--
7,12-Dimethylbenz(a)anthracene			--	--	< 1.1 ng/l	< 1.1 ng/l	--	--	--
7h-Dibenzo(c,g)carbazole			--	--	< 0.99 ng/l	< 0.99 ng/l	--	--	--
Benzo(b&j)fluoranthene			--	--	< 10 ng/l	< 5.2 ng/l	--	--	--
Dibenz(a,h)acridine			--	--	< 1.5 ng/l	< 1.5 ng/l	--	--	--
Dibenz(a,j)acridine			--	--	< 0.83 ng/l	< 0.83 ng/l	--	--	--
Dibenzo(a,e)pyrene			--	--	< 1.7 ng/l	< 1.7 ng/l	--	--	--
Dibenzo(a,l)pyrene			--	--	< 1.3 ng/l	< 1.3 ng/l	--	--	--
Dibenzo(a,h)pyrene			--	--	< 1.0 ng/l	< 1.0 ng/l	--	--	--
Dibenzo(a,i)pyrene			--	--	< 1.2 ng/l	< 1.2 ng/l	--	--	--
Pentachlorophenol	**1 ug/l**	5.5 ug/l	< 0.50 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	**3.4 ug/l**	< 0.16 ug/l

Table 14
Groundwater Quality Data- Base of Surficial Aquifer
OU1- Treating Facility Site
St. Regis Paper Company Site

		Sys Loc Code	W213	W213	W215		W217	W218	W219
		Sample Date	5/9/2012	10/23/2012	5/8/2012		4/29/2012	5/6/2012	4/29/2012
		Sample Type Code	N	N	N	FD	N	N	N
Chemical Name	Drinking Water Criteria	Intervention Limits							
Exceedance Key	**Bold**	Underline							
Total Petroleum Hydrocarbons									
Diesel Range Organics-silica gel cleanup		200 ug/l	< 70 ug/l	< 55 ug/l	--	--	--	--	--
VOCs									
Benzene		114 ug/l	< 0.16 ug/l	0.14 j ug/l	--	--	--	--	--
Ethyl benzene		68 ug/l	0.60 ug/l	0.46 j ug/l	--	--	--	--	--
Toluene		253 ug/l	< 0.37 ug/l	< 0.11 ug/l	--	--	--	--	--
Xylene, m & p		166 ug/l	< 0.22 ug/l	0.13 j ug/l	--	--	--	--	--
Xylene, o		166 ug/l	0.28 j ug/l	0.19 j ug/l	--	--	--	--	--
Chlorinated Dioxins / Furans									
2,3,7,8-Dioxin, tetra		0.0038 pg/l	< 0.200 pg/l	< 0.533 pg/l	--	--	--	--	--
1,2,3,7,8-Dioxin, penta		0.0084 pg/l	< 0.180 pg/l	< 0.370 pg/l	--	--	--	--	--
1,2,3,4,7,8-Dioxin, hexa		0.1267 pg/l	< 0.216 pg/l	< 0.639 pg/l	--	--	--	--	--
1,2,3,6,7,8-Dioxin, hexa		0.38 pg/l	< 0.211 pg/l	< 0.607 pg/l	--	--	--	--	--
1,2,3,7,8,9-Dioxin, hexa		0.38 pg/l	< 0.206 pg/l	< 0.610 pg/l	--	--	--	--	--
1,2,3,4,6,7,8-Dioxin, hepta		7.6 pg/l	< 1.22 pg/l	< 8.53 pg/l	--	--	--	--	--
Dioxin, octa		380 pg/l	< 8.38 pg/l	< 47.0 pg/l	--	--	--	--	--
2,3,7,8-Dibenzofuran, tetra		0.0475 pg/l	< 0.182 pg/l	< 0.717 pg/l	--	--	--	--	--
1,2,3,7,8-Dibenzofuran, penta		0.38 pg/l	< 0.184 pg/l	< 0.411 pg/l	--	--	--	--	--
2,3,4,7,8-Dibenzofuran, penta		0.00475 pg/l	< 0.182 pg/l	< 0.429 pg/l	--	--	--	--	--
1,2,3,4,7,8-Dibenzofuran, hexa		0.475 pg/l	0.261 j pg/l	< 0.345 pg/l	--	--	--	--	--
1,2,3,6,7,8-Dibenzofuran, hexa		0.19 pg/l	0.179 EMPC pg/l	< 0.323 pg/l	--	--	--	--	--
1,2,3,7,8,9-Dibenzofuran, hexa		0.0633 pg/l	< 0.137 pg/l	< 0.533 pg/l	--	--	--	--	--
2,3,4,6,7,8-Dibenzofuran, hexa		0.0543 pg/l	< 0.123 pg/l	< 0.395 pg/l	--	--	--	--	--
1,2,3,4,6,7,8-Dibenzofuran, hepta		38 pg/l	< 0.250 pg/l	< 1.15 pg/l	--	--	--	--	--
1,2,3,4,7,8,9-Dibenzofuran, hepta		0.95 pg/l	< 0.313 pg/l	< 0.640 pg/l	--	--	--	--	--
Dibenzofuran, octa		190 pg/l	< 0.360 pg/l	< 1.48 pg/l	--	--	--	--	--

-Data qualifiers and footnotes are detailed in Table 38.

Table 14
Groundwater Quality Data- Base of Surficial Aquifer
OU1- Treating Facility Site
St. Regis Paper Company Site

		Sys Loc Code	W220	W220		W220		W221
		Sample Date	3/19/2012	5/9/2012		10/22/2012		4/29/2012
		Sample Type Code	N	N	FD	N	FD	N
Chemical Name	Drinking Water Criteria	Intervention Limits						
Exceedance Key	**Bold**	Underline						
SVOCs								
Benz(a)anthracene			< 0.0026 ug/l	< 0.015 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l
Chrysene			< 0.0034 ug/l	< 0.013 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l
Benzo(b)fluoranthene			< 0.0023 ug/l	< 0.010 ug/l	< 0.0023 ug/l	< 0.0041 ug/l	< 0.0041 ug/l	< 0.0023 ug/l
Benzo(k)fluoranthene			< 0.0025 ug/l	< 0.014 ug/l	< 0.0025 ug/l	< 0.0030 ug/l	< 0.0030 ug/l	< 0.0025 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0043 ug/l	0.0090 j ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0026 ug/l	0.013 j ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l
Dibenz(a,h)anthracene			< 0.0025 ug/l	0.010 j ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l		0.0034 ug/l	0.018 a ug/l	0.0034 ug/l	0.0035 ug/l	0.0035 ug/l	0.0034 ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l		ND ug/l	0.016 a ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l
2-Methylnaphthalene			< 0.0048 ug/l	< 0.0064 ug/l	< 0.0045 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l
Acenaphthene	400 ug/l		0.039 ug/l	0.038 ug/l	0.035 ug/l	0.0072 j ug/l	< 0.0044 ug/l	< 0.0044 ug/l
Acenaphthylene			< 0.013 ug/l	< 0.012 ug/l	< 0.0096 ug/l	< 0.012 ug/l	< 0.011 ug/l	< 0.0034 ug/l
Anthracene	2000 ug/l	0.035 ug/l	0.12 ug/l	0.10 ug/l	0.097 * ug/l	0.081 ug/l	0.074 ug/l	< 0.0036 ug/l
Benzo(g,h,i)perylene			< 0.0029 ug/l	0.0081 j ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l
Fluoranthene	300 ug/l		< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.010 ug/l	< 0.010 ug/l	< 0.0044 ug/l
Fluorene	300 ug/l		0.32 ug/l	0.29 ug/l	0.26 ug/l	0.13 ug/l	0.12 ug/l	< 0.0038 ug/l
Naphthalene	300 ug/l		0.43 ug/l	< 0.48 ug/l	< 0.42 ug/l	< 0.024 ug/l	< 0.031 ug/l	< 0.11 ug/l
Phenanthrene			0.0080 j ug/l	< 0.015 ug/l	< 0.0082 ug/l	0.0058 * ug/l	0.0057 * ug/l	< 0.0050 ug/l
Pyrene	200 ug/l		< 0.0035 ug/l	0.0043 j ug/l	< 0.0035 ug/l	< 0.0053 ug/l	< 0.0053 ug/l	< 0.0035 ug/l
1,6-Dinitropyrene			--	< 6.5 ng/l	--	--	--	--
1,8-Dinitropyrene			--	< 7.9 ng/l	--	--	--	--
1-Nitropyrene			--	< 2.4 ng/l	--	--	--	--
2-Nitrofluorene			--	< 4.7 ng/l	--	--	--	--
3-Methylcholanthrene			--	< 5.5 ng/l	--	--	--	--
5-Methylchrysene			--	< 0.82 ng/l	--	--	--	--
5-Nitroacenapthene			--	< 5.8 ng/l	--	--	--	--
6-Nitrochrysene			--	< 0.98 ng/l	--	--	--	--
7,12-Dimethylbenz(a)anthracene			--	< 1.1 ng/l	--	--	--	--
7h-Dibenzo(c,g)carbazole			--	< 0.99 ng/l	--	--	--	--
Benzo(b&j)fluoranthene			--	< 1.2 ng/l	--	--	--	--
Dibenz(a,h)acridine			--	< 1.5 ng/l	--	--	--	--
Dibenz(a,j)acridine			--	< 0.83 ng/l	--	--	--	--
Dibenzo(a,e)pyrene			--	< 1.7 ng/l	--	--	--	--
Dibenzo(a,l)pyrene			--	< 1.3 ng/l	--	--	--	--
Dibenzo(a,h)pyrene			--	< 1.0 ng/l	--	--	--	--
Dibenzo(a,i)pyrene			--	< 1.2 ng/l	--	--	--	--
Pentachlorophenol	**1 ug/l**	5.5 ug/l	**19 ug/l**	**29 ug/l**	**29 ug/l**	**96 ug/l**	**98 ug/l**	< 0.16 ug/l

Table 14
Groundwater Quality Data- Base of Surficial Aquifer
OU1- Treating Facility Site
St. Regis Paper Company Site

		Sys Loc Code	W220	W220		W220		W221
		Sample Date	3/19/2012	5/9/2012		10/22/2012		4/29/2012
		Sample Type Code	N	N	FD	N	FD	N
Chemical Name	Drinking Water Criteria	Intervention Limits						
Exceedance Key	**Bold**	Underline						
Total Petroleum Hydrocarbons								
Diesel Range Organics-silica gel cleanup		200 ug/l	< 45 ug/l	< 32 ug/l	< 42 ug/l	< 24 ug/l	< 28 ug/l	--
VOCs								
Benzene		114 ug/l	0.090 j ug/l	< 0.090 ug/l	< 0.090 ug/l	< 0.062 ug/l	< 0.062 ug/l	--
Ethyl benzene		68 ug/l	< 0.27 ug/l	0.28 j ug/l	0.29 j ug/l	< 0.050 ug/l	< 0.050 ug/l	--
Toluene		253 ug/l	< 0.23 ug/l	< 0.20 ug/l	< 0.21 ug/l	< 0.054 ug/l	< 0.070 ug/l	--
Xylene, m & p		166 ug/l	< 0.11 ug/l	< 0.11 ug/l	< 0.11 ug/l	< 0.11 ug/l	< 0.11 ug/l	--
Xylene, o		166 ug/l	< 0.12 ug/l	0.14 j ug/l	0.14 j ug/l	< 0.074 ug/l	< 0.074 ug/l	--
Chlorinated Dioxins / Furans								
2,3,7,8-Dioxin, tetra		0.0038 pg/l	< 0.153 pg/l	< 0.155 pg/l	< 0.189 pg/l	< 0.461 pg/l	< 0.793 pg/l	--
1,2,3,7,8-Dioxin, penta		0.0084 pg/l	< 0.100 pg/l	< 0.155 pg/l	< 0.118 pg/l	< 0.387 pg/l	< 0.365 pg/l	--
1,2,3,4,7,8-Dioxin, hexa		0.1267 pg/l	< 0.220 pg/l	< 0.141 pg/l	< 0.132 pg/l	< 0.441 pg/l	< 0.616 pg/l	--
1,2,3,6,7,8-Dioxin, hexa		0.38 pg/l	< 0.201 pg/l	< 0.138 pg/l	< 0.130 pg/l	< 0.422 pg/l	< 0.595 pg/l	--
1,2,3,7,8,9-Dioxin, hexa		0.38 pg/l	< 0.200 pg/l	< 0.135 pg/l	0.338 j pg/l	< 0.423 pg/l	< 0.593 pg/l	--
1,2,3,4,6,7,8-Dioxin, hepta		7.6 pg/l	< 1.67 pg/l	< 0.633 pg/l	< 0.649 pg/l	< 4.36 pg/l	< 4.96 pg/l	--
Dioxin, octa		380 pg/l	< 15.0 pg/l	< 3.96 pg/l	< 3.37 pg/l	< 16.7 pg/l	< 18.7 pg/l	--
2,3,7,8-Dibenzofuran, tetra		0.0475 pg/l	< 0.0856 pg/l	< 0.160 pg/l	< 0.156 pg/l	< 0.524 pg/l	< 0.671 pg/l	--
1,2,3,7,8-Dibenzofuran, penta		0.38 pg/l	< 0.0866 pg/l	0.224 EMPC pg/l	0.149 EMPC pg/l	< 0.387 pg/l	< 0.600 pg/l	--
2,3,4,7,8-Dibenzofuran, penta		0.00475 pg/l	< 0.0904 pg/l	< 0.100 pg/l	0.199 EMPC pg/l	< 0.400 pg/l	< 0.598 pg/l	--
1,2,3,4,7,8-Dibenzofuran, hexa		0.475 pg/l	< 0.0914 pg/l	0.175 EMPC pg/l	0.281 EMPC pg/l	< 0.233 pg/l	0.621 j pg/l	--
1,2,3,6,7,8-Dibenzofuran, hexa		0.19 pg/l	< 0.0837 pg/l	0.150 EMPC pg/l	0.175 EMPC pg/l	< 0.217 pg/l	< 0.234 pg/l	--
1,2,3,7,8,9-Dibenzofuran, hexa		0.0633 pg/l	< 0.103 pg/l	< 0.0930 pg/l	0.164 EMPC pg/l	< 0.332 pg/l	< 0.371 pg/l	--
2,3,4,6,7,8-Dibenzofuran, hexa		0.0543 pg/l	< 0.0952 pg/l	0.128 EMPC pg/l	< 0.0831 pg/l	< 0.261 pg/l	< 0.268 pg/l	--
1,2,3,4,6,7,8-Dibenzofuran, hepta		38 pg/l	0.742 j pg/l	< 0.212 pg/l	< 0.182 pg/l	< 0.582 pg/l	< 0.973 pg/l	--
1,2,3,4,7,8,9-Dibenzofuran, hepta		0.95 pg/l	< 0.249 pg/l	< 0.266 pg/l	< 0.227 pg/l	< 0.832 pg/l	< 1.34 pg/l	--
Dibenzofuran, octa		190 pg/l	< 7.98 pg/l	< 0.447 pg/l	< 0.352 pg/l	< 2.14 pg/l	< 2.02 pg/l	--

-Data qualifiers and footnotes are detailed in Table 38.

Table 15
Groundwater Quality Data- Lower Aquifer
OU1-Treating Facility Site
St. Regis Paper Company Site

		Sys Loc Code	MW3	W302	W306
		Sample Date	5/2/2012	5/1/2012	5/1/2012
		Sample Type Code	N	N	N
Chemical Name	Drinking Water Criteria	Intervention Limits			
Exceedance Key	No Exceed	No Exceed			
SVOCs					
Benz(a)anthracene			< 0.0026 ug/l	< 0.0027 ug/l	< 0.0026 ug/l
Chrysene			< 0.0034 ug/l	< 0.0035 ug/l	< 0.0034 ug/l
Benzo(b)fluoranthene			< 0.0023 ug/l	< 0.0024 ug/l	< 0.0023 ug/l
Benzo(k)fluoranthene			< 0.0025 ug/l	< 0.0026 ug/l	< 0.0025 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0043 ug/l	< 0.0044 ug/l	< 0.0043 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0026 ug/l	< 0.0027 ug/l	< 0.0026 ug/l
Dibenz(a,h)anthracene			< 0.0025 ug/l	< 0.0026 ug/l	< 0.0025 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l		0.0034 ug/l	0.0035 ug/l	0.0034 ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l		ND ug/l	ND ug/l	ND ug/l
2-Methylnaphthalene			0.013 j ug/l	0.075 ug/l	0.042 ug/l
Acenaphthene	400 ug/l		0.0072 j ug/l	0.11 ug/l	0.076 ug/l
Acenaphthylene			< 0.0034 ug/l	< 0.0035 ug/l	< 0.0034 ug/l
Anthracene	2000 ug/l	0.035 ug/l	< 0.0036 ug/l	< 0.0037 ug/l	< 0.0036 ug/l
Benzo(g,h,i)perylene			< 0.0029 ug/l	< 0.0030 ug/l	< 0.0029 ug/l
Fluoranthene	300 ug/l		< 0.0044 ug/l	< 0.0045 ug/l	< 0.0044 ug/l
Fluorene	300 ug/l		< 0.0038 ug/l	0.034 ug/l	0.023 ug/l
Naphthalene	300 ug/l		0.049 ug/l	0.30 ug/l	0.23 ug/l
Phenanthrene			< 0.0050 ug/l	< 0.021 ug/l	< 0.015 ug/l
Pyrene	200 ug/l		< 0.0035 ug/l	< 0.0036 ug/l	< 0.0035 ug/l
Pentachlorophenol	1 ug/l	5.5 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 16
Surface Water Quality
Cass Lake/Pike Bay Channel
St. Regis Paper Company Site

	Sys Loc Code	CL-N	CL-S
	Sample Date	4/29/2012	4/29/2012
	Sample Type Code	N	N
Chemical Name	Surface Water Standards		
Exceedance Key	No Exceed		
Pentachlorophenol	5.5 ug/l @ 7.0 pH	< 0.16 ug/l	< 0.16 ug/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 17
Water Quality Data Over Time
OU1 - Treating Facility Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		**300 ug/l**	**1 ug/l**
IL	Underline			0.00051 (1)		5.5 ug/l
Location	**Date**	**Type**				
W104	**12/19/1986**	**N**	--	< 0.6 ug/l	1.7 ug/l	**670 ug/l**
W104	**6/23/1987**	**N**	--	< 6 ug/l	14 ug/l	**1000 ug/l**
W104	**6/29/1988**	**N**	--	< 6 ug/l	28 ug/l	**990 ug/l**
W104	**6/28/1989**	**N**	--	< 10 ug/l	< 10 ug/l	**330 ug/l**
W104	**6/27/1990**	**N**	--	< 10 ug/l	< 10 ug/l	**820 ug/l**
W104	**6/19/1991**	**N**	--	< 10 ug/l	< 10 ug/l	**200 ug/l**
W104	**5/28/1992**	**N**	--	< 10 ug/l	< 10 ug/l	**84 ug/l**
W104	**6/2/1993**	**N**	--	< 0.216 ug/l	< 0.288 ug/l	**250 ug/l**
W104	**6/14/1994**	**N**	--	< 0.120 ug/l	0.244 b ug/l	**110 ug/l**
W104	**6/8/1995**	**N**	--	< 0.60 ug/l	3.8 ug/l	**590 ug/l**
W104	**6/6/1997**	**N**	--	< 80 ug/l	< 80 ug/l	**740 ug/l**
W104	**5/18/1999**	**N**	--	< 0.02 ug/l	0.94 ug/l	**1000 ug/l**
W104	**4/25/2001**	**N**	--	< 0.019 ug/l	14 ug/l	**2400 ug/l**
W104	**5/11/2003**	**N**	0.02 ug/l	< 0.020 ug/l	30 ug/l	**3200 ug/l**
W104	**5/14/2005**	**N**	0.02 ug/l	< 0.020 ug/l	1.7 ug/l	**310 ug/l**
W104	**9/16/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.20 ug/l	**670 ug/l**
W104	**5/16/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	0.74 ug/l	**290 ug/l**
W104	**5/26/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.16 ug/l	**220 ug/l**
W104	**5/4/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	3.7 ug/l	**290 ug/l**
W104	**5/6/2012**	**N**	0.0036 ug/l	< 0.0044 ug/l	1.2 ug/l	**330 ug/l**
W105	**12/16/1986**	**N**	--	< 0.0010 ug/l	0.023 ug/l	< 5 ug/l
W105	**6/2/1993**	**N**	--	--	--	< 6 ug/l
W105	**7/22/1993**	**N**	--	< 0.00300 ug/l	0.0125 b ug/l	--
W105	**6/14/1994**	**N**	--	< 0.003 ug/l	0.010 b ug/l	< 3 ug/l
W105	**5/16/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W105	**4/24/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W105	**5/5/2003**	**N**	**0.11 ug/l**	0.071 ug/l	0.030 ug/l	< 0.50 ug/l
W105	**8/15/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W105	**4/26/2004**	**N**	0.02 ug/l	< 0.020 ug/l < 0.020 ug/l	< 0.020 ug/l < 0.020 ug/l	< 0.96 ug/l < 0.96 ug/l
W105	**5/7/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
W105	**9/13/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.031 ug/l	< 0.13 ug/l
W105R	**5/6/2007**	**N**	0.0097 a ug/l	0.0051 j* ug/l	0.78 ug/l	**36 ug/l**
W105R	**8/24/2007**	**N**	0.0038 a ug/l	< 0.0043 ug/l	< 3.0 ug/l	**140 ug/l**
W105R	**5/18/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 1.5 ug/l	**66 ug/l**
W105R	**5/18/2008**	**FD**	--	--	--	**65 ug/l**
W105R	**5/13/2009**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 1.7 ug/l	**73 ug/l**
W105R	**11/11/2009**	**N**	0.0036 a ug/l	< 0.0043 ug/l	< 1.3 ug/l	0.84 ug/l
W105R	**5/3/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.11 ug/l	**11 ug/l**
W105R	**5/3/2010**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.091 ug/l	**12 ug/l**
W105R	**5/9/2011**	**N**	0.0035 a ug/l	< 0.0043 ug/l	0.017 j ug/l	**44 ug/l**
W105R	**5/6/2012**	**N**	0.0036 a ug/l	< 0.0043 ug/l	0.23 ug/l	**48 ug/l**
W105R	**5/6/2012**	**FD**	0.0058 a ug/l	< 0.0044 ug/l	< 0.069 ug/l	**48 ug/l**
W105R	**10/22/2012**	**N**	0.0053 a ug/l	< 0.0043 ug/l	< 0.40 ug/l	**20 ug/l**
W112	**5/6/1986**	**N**	--	< 0.0010 ug/l	s ug/l	< 5 ug/l
W112	**12/18/1986**	**N**	--	< 0.0010 ug/l	0.016 ug/l	< 6 ug/l
W112	**6/24/1987**	**N**	--	< 0.001 ug/l	0.026 ug/l	< 6 ug/l
W112	**6/28/1988**	**N**	--	< 0.0020 ug/l	0.0064 s ug/l	< 6 ug/l
W112	**6/28/1989**	**N**	--	< 0.0020 ug/l	< 0.0038 ug/l	< 6 ug/l
W112	**6/27/1990**	**N**	--	< 0.0010 ug/l	0.0038 s ug/l	< 6 ug/l
W112	**6/19/1991**	**N**	--	< 0.12 ug/l	1.1 b ug/l	< 6 ug/l
W112	**5/27/1992**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l

Table 17
Water Quality Data Over Time
OU1 - Treating Facility Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		**300 ug/l**	**1 ug/l**
IL	Underline			0.00051 (1)		5.5 ug/l
Location	**Date**	**Type**				
W112	**6/2/1993**	**N**	--	--	--	< 6 ug/l
W112	**7/22/1993**	**N**	--	< 0.00300 ug/l	< 0.00400 ug/l	--
W112	**6/14/1994**	**N**	--	< 0.003 ug/l	0.011 b ug/l	< 3 ug/l
W112	**6/8/1995**	**N**	--	< 0.003 ug/l	0.003 b ug/l	< 3 ug/l
W112	**6/6/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W112	**5/16/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W112	**4/25/2001**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W112	**5/5/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W112	**5/8/2005**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W112	**5/8/2005**	**FD**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W112	**9/12/2006**	**N**	0.0058 a ug/l	< 0.0043 ug/l	< 0.0066 ug/l	< 0.13 * ug/l
W112	**9/12/2006**	**FD**	0.0041 a ug/l	< 0.0043 ug/l	< 0.0068 ug/l	< 0.13 ug/l
W112	**5/6/2007**	**N**	0.0044 a ug/l	< 0.0043 * ug/l	< 0.0065 ug/l	< 0.13 ug/l
W112	**5/6/2007**	**FD**	0.0043 a ug/l	< 0.0043 * ug/l	< 0.0065 ug/l	< 0.13 ug/l
W112	**5/18/2008**	**FD**	0.0039 a ug/l	< 0.0043 ug/l	< 0.018 ug/l	< 0.080 ug/l
W112	**5/18/2008**	**N**	0.0042 a ug/l	< 0.0043 ug/l	< 0.0070 ug/l	< 0.080 ug/l
W112	**4/25/2010**	**N**	0.0105 a ug/l	0.0070 j ug/l	0.084 ug/l	< 0.16 ug/l
W112	**4/30/2012**	**N**	0.0049 a ug/l	< 0.0043 ug/l	0.091 ug/l	< 0.16 ug/l
W113	**5/6/1986**	**N**	--	< 0.0020 ug/l	0.045 ug/l	< 5 ug/l
W113	**12/16/1986**	**N**	--	< 0.0025 ug/l	0.019 ug/l	< 5 ug/l
W113	**6/23/1987**	**N**	--	< 6 ug/l	6.6 ug/l	**100 ug/l**
W113	**6/28/1988**	**N**	--	0.0029 ug/l	0.0064 s ug/l	< 6 ug/l
W113	**6/28/1989**	**N**	--	< 0.0010 ug/l	0.0060 s ug/l	< 6 ug/l
W113	**6/27/1990**	**N**	--	< 0.0010 ug/l	< 0.0019 ug/l	< 6 ug/l
W113	**6/19/1991**	**N**	--	< 0.096 ug/l	1.9 ug/l	< 6 ug/l
W113	**5/27/1992**	**N**	--	0.019 ug/l	0.021 b ug/l	< 6 ug/l
W113	**6/2/1993**	**N**	--	--	--	< 6 ug/l
W113	**7/22/1993**	**N**	--	< 0.00600 ug/l	0.0198 b ug/l	--
W113	**6/14/1994**	**N**	--	< 0.030 ug/l	0.034 b ug/l	< 3 ug/l
W114	**5/6/1986**	**N**	--	< 0.0010 ug/l	s ug/l	< 5 ug/l
W114	**12/16/1986**	**N**	--	< 0.0025 ug/l	0.017 ug/l	< 5 ug/l
W114	**6/22/1987**	**N**	--	< 0.0010 ug/l	0.0093 s ug/l	< 6 ug/l
W114	**6/28/1988**	**N**	--	< 0.0010 ug/l	0.0067 s ug/l	< 6 ug/l
W114	**6/28/1989**	**N**	--	< 0.0010 ug/l	0.0086 s ug/l	< 6 ug/l
W114	**6/27/1990**	**N**	--	< 0.0010 ug/l	0.0020 s ug/l	< 6 ug/l
W114	**6/19/1991**	**N**	--	< 0.0030 ug/l	0.0094 b ug/l	< 6 ug/l
W114	**5/27/1992**	**N**	--	< 0.0060 ug/l	< 0.0080 ug/l	< 6 ug/l
W114	**6/2/1993**	**N**	--	< 0.00300 ug/l	0.0121 b ug/l	< 6 ug/l
W114	**6/14/1994**	**N**	--	< 0.003 ug/l	0.022 ug/l	< 3 ug/l
W114	**6/8/1995**	**N**	--	< 0.003 ug/l	0.004 b ug/l	< 3 ug/l
W114	**6/4/1996**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W114	**6/6/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W114	**4/29/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 5 j ug/l
W114	**5/16/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W114	**4/4/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W114	**4/25/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W114	**4/25/2001**	**FD**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W114	**5/2/2002**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 3.0 ug/l
W114	**5/5/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W114	**4/25/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.96 ug/l
W114	**5/7/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l

Table 17
Water Quality Data Over Time
OU1 - Treating Facility Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		**300 ug/l**	**1 ug/l**
IL	Underline			0.00051 (1)		5.5 ug/l
Location	**Date**	**Type**				
W114	**9/13/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0078 ug/l	< 0.13 ug/l
W114	**5/6/2007**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.0065 ug/l	< 0.13 ug/l
W114	**5/18/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.011 ug/l	< 0.080 ug/l
W114	**5/13/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0063 ug/l	< 0.16 ug/l
W114	**4/25/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.040 ug/l	< 0.16 ug/l
W114	**5/4/2011**	**N**	0.0035 ug/l	< 0.0044 ug/l	0.013 j ug/l	< 0.070 ug/l
W114	**4/30/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.38 ug/l	< 0.16 ug/l
W115	**5/6/1986**	**N**	--	< 0.0020 ug/l	s ug/l	< 5 ug/l
W115	**12/17/1986**	**N**	--	< 0.0010 ug/l	s ug/l	< 6 ug/l
W115	**6/23/1987**	**N**	--	< 0.001 ug/l	0.012 s ug/l	< 6 ug/l
W115	**6/28/1988**	**N**	--	< 0.0020 ug/l	0.0074 s ug/l	< 6 ug/l
W115	**6/28/1989**	**N**	--	< 0.0010 ug/l	0.0064 s ug/l	< 6 ug/l
W115	**6/27/1990**	**N**	--	< 0.0010 ug/l	< 0.0019 ug/l	< 6 ug/l
W115	**6/19/1991**	**N**	--	< 0.0030 ug/l	0.011 b ug/l	< 6 ug/l
W115	**5/27/1992**	**N**	--	< 0.0030 ug/l	0.0086 b ug/l	< 6 ug/l
W115	**6/2/1993**	**N**	--	< 0.00300 ug/l < 0.00300 ug/l	0.0122 b ug/l 0.0113 b ug/l	< 6 ug/l < 6 ug/l
W115	**6/14/1994**	**N**	--	< 0.003 ug/l	0.011 b ug/l	< 3 ug/l
W115	**6/6/1995**	**N**	--	< 0.003 ug/l	0.003 ug/l	< 3 ug/l
W115	**6/4/1996**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W115	**6/6/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W115	**4/29/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 5 j ug/l
W115	**5/16/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W115	**4/4/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W115	**4/24/2001**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W115	**5/5/2002**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 3.1 ug/l
W115	**5/5/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W115	**4/25/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.96 ug/l
W115	**5/7/2005**	**N**	0.022 ug/l	< 0.022 ug/l	< 0.022 ug/l	< 0.50 ug/l
W115	**9/14/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0090 ug/l	< 0.13 ug/l
W115	**5/6/2007**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.0067 ug/l	< 0.13 ug/l
W115	**5/19/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.013 ug/l	< 0.080 ug/l
W115	**5/13/2009**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.0050 ug/l	< 0.16 ug/l
W115	**4/25/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.075 ug/l	< 0.16 ug/l
W115	**5/4/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.011 j ug/l	< 0.070 ug/l
W115	**5/1/2012**	**N**	0.0035 ug/l	< 0.0044 ug/l	0.089 ug/l	< 0.16 ug/l
W118	**6/26/1987**	**N**	--	< 1200 ug/l	**5600 ug/l**	**150000 ug/l**
W118	**6/30/1988**	**N**	--	< 600 ug/l	**9000 ug/l**	**49000 ug/l**
W118	**6/28/1989**	**N**	--	< 200 ug/l	**1500 ug/l**	**46000 ug/l**
W118	**6/28/1990**	**N**	--	< 150 ug/l	**1300 ug/l**	**54000 ug/l**
W118	**6/19/1991**	**N**	--	< 1200 ug/l	**6700 ug/l**	**60000 ug/l**
W118	**5/5/2010**	**N**	**0.22 a ug/l**	< 0.22 ug/l	**1600 ug/l**	**43000 ug/l**
W118	**5/6/2012**	**N**	**0.76 a ug/l**	< 0.67 ug/l	**1500 ug/l**	**47000 ug/l**
W205	**12/18/1986**	**N**	--	< 0.0025 ug/l	0.013 ug/l	< 6 ug/l
W205	**6/2/1993**	**N**	--	--	--	< 6 ug/l
W205	**7/22/1993**	**N**	--	< 0.00300 ug/l	0.0113 b ug/l	--
W205	**6/14/1994**	**N**	--	< 0.120 ug/l	< 0.120 ug/l	< 3 ug/l
W205	**5/16/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W205	**4/24/2001**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W205	**5/5/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W205	**5/7/2005**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W205	**9/13/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0078 ug/l	< 0.13 ug/l

Table 17
Water Quality Data Over Time
OU1 - Treating Facility Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		**300 ug/l**	**1 ug/l**
IL	Underline			0.00051 (1)		5.5 ug/l
Location	**Date**	**Type**				
W205	**5/6/2007**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.0065 ug/l	< 0.13 ug/l
W205	**5/18/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.041 ug/l	< 0.080 ug/l
W205	**4/24/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.048 ug/l	< 0.16 ug/l
W205	**5/2/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.16 ug/l	< 0.16 ug/l
W209	**12/19/1986**	**N**	--	0.012 ug/l	0.075 ug/l	< 6 ug/l
W209	**5/16/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W209	**4/24/2001**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W209	**5/5/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W209	**5/7/2005**	**N**	0.022 ug/l	< 0.022 ug/l	< 0.022 ug/l	< 0.50 ug/l
W209	**9/13/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0088 ug/l	< 0.13 ug/l
W209	**5/5/2007**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.0065 ug/l	< 0.13 ug/l
W209	**5/19/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.011 ug/l	< 0.080 ug/l
W209	**4/24/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.064 ug/l	< 0.16 ug/l
W209	**4/30/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.23 ug/l	< 0.16 ug/l
W212	**12/19/1986**	**N**	--	< 5.9 ug/l	**980 ug/l**	**8900 ug/l**
W212	**6/23/1987**	**N**	--	< 120 ug/l	**740 ug/l**	**4000 ug/l**
W212	**6/29/1988**	**N**	--	< 6 ug/l	**550 ug/l**	**3800 ug/l**
W212	**6/28/1989**	**N**	--	< 20 ug/l	230 ug/l	**3500 ug/l**
W212	**6/27/1990**	**N**	--	< 10 ug/l	52 ug/l	**5100 ug/l**
W212	**6/19/1991**	**N**	--	< 100 ug/l	28 j ug/l	**2200 ug/l**
W212	**5/28/1992**	**N**	--	< 150 ug/l	< 150 ug/l	**2200 ug/l**
W212	**6/2/1993**	**N**	--	< 10 ug/l	13 ug/l	**2900 ug/l**
W212	**6/14/1994**	**N**	--	< 10 ug/l	10 ug/l	**3900 ug/l**
W212	**6/8/1995**	**N**	--	< 750 ug/l < 750 ug/l	< 750 ug/l < 750 ug/l	**2300 ug/l** **2300 ug/l**
W212	**6/4/1996**	**N**	--	< 10 ug/l	5 j ug/l	**1300 ug/l**
W212	**6/6/1997**	**N**	--	< 70 ug/l	< 70 ug/l	**950 ug/l**
W212	**4/29/1998**	**N**	--	< 0.40 ug/l	1.6 ug/l	**470 ug/l**
W212	**5/16/1999**	**N**	--	< 0.02 ug/l	2.4 ug/l	**430 ug/l**
W212	**4/4/2000**	**N**	--	< 0.02 ug/l	2.8 ug/l	**60 ug/l**
W212	**4/4/2000**	**FD**	--	< 0.02 ug/l	2.7 ug/l	**69 ug/l**
W212	**4/25/2001**	**N**	--	< 0.019 ug/l	3.1 ug/l	**110 ug/l**
W212	**5/5/2002**	**N**	0.02 ug/l	< 0.020 ug/l	1.1 ug/l	**19 ug/l**
W212	**5/10/2003**	**N**	0.02 ug/l	< 0.020 ug/l	1.4 ug/l	**45 ug/l**
W212	**5/10/2003**	**FD**	0.02 ug/l	< 0.020 ug/l	1.6 ug/l	**45 ug/l**
W212	**4/25/2004**	**N**	0.02 ug/l	< 0.020 ug/l	1.8 ug/l	**4.6 ug/l**
W212	**5/15/2005**	**N**	0.02 ug/l	< 0.020 ug/l	1.8 ug/l	**46 ug/l**
W212	**5/15/2005**	**FD**	0.02 ug/l	< 0.020 ug/l	1.7 ug/l	**46 ug/l**
W212	**9/16/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	1.7 ug/l	**17 ug/l**
W212	**12/6/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	0.63 ug/l	**20 ug/l**
W212	**2/28/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	2.5 ug/l	**10 ug/l**
W212	**5/16/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	1.0 ug/l	**15 ug/l**
W212	**8/23/2007**	**N**	0.0039 a ug/l	< 0.0043 ug/l	1.0 ug/l	**9.3 ug/l**
W212	**10/31/2007**	**N**	0.0034 ug/l	< 0.0043 ug/l	1.7 ug/l	**10 ug/l**
W212	**3/27/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.65 ug/l	**25 ug/l**
W212	**5/26/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.90 ug/l	**23 ug/l**
W212	**8/22/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.022 ug/l	**110 ug/l**
W212	**8/22/2008**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.027 ug/l	**110 ug/l**
W212	**11/20/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.49 ug/l	**16 ug/l**
W212	**5/18/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.89 ug/l	**12 ug/l**
W212	**5/18/2009**	**FD**	0.0034 ug/l	< 0.0043 ug/l	1.2 ug/l	**13 ug/l**
W212	**8/25/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.91 ug/l	**12 ug/l**

Table 17
Water Quality Data Over Time
OU1 - Treating Facility Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		**300 ug/l**	**1 ug/l**
IL	Underline			0.00051 (1)		5.5 ug/l
Location	**Date**	**Type**				
W212	**11/10/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.34 ug/l	**9.0 ug/l**
W212	**3/16/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.32 ug/l	**7.5 ug/l**
W212	**5/3/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.54 ug/l	**6.6 ug/l**
W212	**9/27/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.51 ug/l	**3.0 ug/l**
W212	**12/1/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.65 ug/l	**6.4 ug/l**
W212	**5/9/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.40 ug/l	**12 ug/l**
W212	**5/9/2011**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.44 ug/l	**12 ug/l**
W212	**8/30/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.17 ug/l	**12 ug/l**
W212	**10/26/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.52 ug/l	**14 ug/l**
W212	**3/20/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.016 ug/l	< 0.16 ug/l
W212	**5/9/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.34 ug/l	**18 ug/l**
W212	**10/23/2012**	**N**	0.0035 ug/l	< 0.0043 ug/l	< 0.018 ug/l	**140 ug/l**
W213	**12/19/1986**	**N**	--	< 11.8 ug/l	**1300 ug/l**	**20000 ug/l**
W213	**6/23/1987**	**N**	--	< 120 ug/l	**1100 ug/l**	**12000 ug/l**
W213	**6/29/1988**	**N**	--	< 6 ug/l	**1200 ug/l**	**4800 ug/l**
W213	**6/28/1989**	**N**	--	< 20 ug/l < 20 ug/l	**1000 ug/l** **1100 ug/l**	**13000 ug/l** **12000 ug/l**
W213	**6/27/1990**	**N**	--	< 10 ug/l	**470 ug/l**	**5800 ug/l**
W213	**6/19/1991**	**N**	--	< 40 ug/l	**810 ug/l**	**830 ug/l**
W213	**5/28/1992**	**N**	--	< 10 ug/l	150 ug/l	**300 ug/l**
W213	**6/2/1993**	**N**	--	< 10 ug/l	170 ug/l	< 10 ug/l
W213	**6/14/1994**	**N**	--	< 20 ug/l	130 ug/l	< 20 ug/l
W213	**6/8/1995**	**N**	--	< 10 ug/l < 10 ug/l	67 ug/l 63 ug/l	< 10 ug/l < 10 ug/l
W213	**6/4/1996**	**N**	--	< 10 ug/l	47 ug/l	< 50 ug/l
W213	**6/6/1997**	**N**	--	< 10 ug/l	36 ug/l	< 50 ug/l
W213	**4/29/1998**	**N**	--	< 1.0 ug/l	21 ug/l	**3 j ug/l**
W213	**5/16/1999**	**N**	--	< 0.02 ug/l	22 ug/l	< 3 ug/l
W213	**4/4/2000**	**N**	--	< 0.02 ug/l	**470 ug/l**	**1900 ug/l**
W213	**4/25/2001**	**N**	--	< 0.019 ug/l	64 ug/l	< 0.50 ug/l
W213	**5/5/2002**	**N**	0.02 ug/l	< 0.020 ug/l	36 ug/l	< 3.0 ug/l
W213	**5/10/2003**	**N**	0.02 ug/l	< 0.020 ug/l	31 ug/l	< 0.50 ug/l
W213	**4/25/2004**	**N**	0.02 ug/l	< 0.020 ug/l	21 ug/l	< 0.96 ug/l
W213	**5/15/2005**	**N**	0.02 ug/l	< 0.020 ug/l	200 ug/l	< 0.50 ug/l
W213	**9/16/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	140 ug/l	< 0.13 ug/l
W213	**12/6/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	140 ug/l	< 0.13 ug/l
W213	**2/28/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	120 ug/l	< 0.13 ug/l
W213	**5/15/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	100 ug/l	< 0.13 ug/l
W213	**8/23/2007**	**N**	0.0034 ug/l	< 0.0043 ug/l	81 ug/l	< 0.080 ug/l
W213	**8/23/2007**	**FD**	0.0034 ug/l	< 0.0043 ug/l	88 ug/l	< 0.080 ug/l
W213	**10/31/2007**	**N**	0.0034 ug/l	< 0.0043 ug/l	65 ug/l	< 0.080 ug/l
W213	**10/31/2007**	**FD**	0.0034 ug/l	< 0.0043 ug/l	62 ug/l	< 0.080 ug/l
W213	**3/27/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	5.5 ug/l	< 0.080 ug/l
W213	**5/26/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 6.8 ug/l	< 0.080 ug/l
W213	**8/22/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 2.6 ug/l	0.11 j ug/l
W213	**11/20/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	2.3 ug/l	< 0.80 ug/l
W213	**2/18/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	1.4 ug/l	< 0.16 ug/l
W213	**5/19/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	5.4 ug/l	< 0.16 ug/l
W213	**8/26/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	4.4 ug/l	< 0.16 ug/l
W213	**11/11/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	3.2 ug/l	< 0.16 ug/l
W213	**3/15/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	1.5 ug/l	< 0.16 ug/l
W213	**5/4/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 3.1 ug/l	< 0.070 ug/l

Table 17
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			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		**300 ug/l**	**1 ug/l**
IL	Underline			0.00051 (1)		5.5 ug/l
Location	**Date**	**Type**				
W213	**9/28/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	2.1 ug/l	< 0.070 ug/l
W213	**12/1/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	2.3 ug/l	< 0.070 ug/l
W213	**3/30/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	1.1 ug/l	0.091 j ug/l
W213	**5/10/2011**	**N**	0.0035 ug/l	< 0.0045 ug/l	2.8 ug/l	< 0.070 ug/l
W213	**8/31/2011**	**N**	0.0066 a ug/l	< 0.0043 ug/l	2.5 ug/l	< 0.070 ug/l
W213	**10/26/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	2.5 ug/l	< 0.070 ug/l
W213	**3/20/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	2.2 ug/l	< 0.16 ug/l
W213	**3/20/2012**	**FD**	0.0034 ug/l	< 0.0043 ug/l	2.2 ug/l	< 0.16 ug/l
W213	**5/9/2012**	**N**	0.0035 ug/l	< 0.0044 ug/l	1.8 ug/l	< 0.50 ug/l
W213	**10/23/2012**	**N**	0.0035 ug/l	< 0.0043 ug/l	0.40 ug/l	< 0.16 ug/l
W215	**12/17/1986**	**N**	--	< 0.0010 ug/l	s ug/l	< 6 ug/l
W215	**2/25/1987**	**N**	--	< 0.6 ug/l	7.1 ug/l	**5900 ug/l**
W215	**6/24/1987**	**N**	--	< 6 ug/l	11 ug/l	**27000 ug/l**
W215	**6/29/1988**	**N**	--	< 6 ug/l < 6 ug/l	8.6 ug/l 9.1 ug/l	**4400 ug/l** **3700 ug/l**
W215	**6/28/1989**	**N**	--	< 10 ug/l	< 10 pp ug/l	**2700 ug/l**
W215	**6/27/1990**	**N**	--	< 10 ug/l	16 ug/l	**4200 ug/l**
W215	**6/19/1991**	**N**	--	< 100 ug/l	< 100 ug/l	**2800 ug/l**
W215	**5/28/1992**	**N**	--	< 75 ug/l	< 75 ug/l	**1900 ug/l**
W215	**6/2/1993**	**N**	--	< 10 ug/l	5 j ug/l	**2200 ug/l**
W215	**6/14/1994**	**N**	--	< 10 ug/l	4 j ug/l	**3400 ug/l**
W215	**6/8/1995**	**N**	--	< 500 ug/l	< 500 ug/l	**1600 ug/l**
W215	**6/4/1996**	**N**	--	< 10 ug/l	1 j ug/l	**1100 ug/l**
W215	**6/6/1997**	**N**	--	< 100 ug/l	< 100 ug/l	**1200 ug/l**
W215	**4/29/1998**	**N**	--	< 0.70 ug/l	< 0.70 ug/l	**700 ug/l**
W215	**5/16/1999**	**N**	--	< 0.02 ug/l < 0.02 ug/l	0.41 ug/l 0.38 ug/l	**580 ug/l** **680 ug/l**
W215	**5/16/1999**	**FD**	--	< 0.02 ug/l	0.23 ug/l	**410 ug/l**
W215	**4/3/2000**	**N**	--	< 0.02 ug/l	0.48 ug/l	**68 ug/l**
W215	**4/24/2001**	**N**	--	< 0.019 ug/l	0.53 ug/l	**360 ug/l**
W215	**4/24/2001**	**FD**	--	< 0.019 ug/l	0.55 ug/l	**320 ug/l**
W215	**5/5/2002**	**N**	0.02 ug/l	< 0.020 ug/l	0.52 ug/l	**160 ug/l**
W215	**5/5/2002**	**FD**	0.02 ug/l	< 0.020 ug/l	0.55 ug/l	**170 ug/l**
W215	**5/10/2003**	**N**	0.02 ug/l	< 0.020 ug/l	0.30 ug/l	**47 ug/l**
W215	**4/25/2004**	**N**	0.02 ug/l	< 0.020 ug/l	0.34 ug/l	**78 ug/l**
W215	**5/15/2005**	**N**	0.021 ug/l	< 0.021 ug/l	0.64 ug/l	**21 ug/l**
W215	**9/16/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.26 ug/l	**13 ug/l**
W215	**5/16/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.18 ug/l	**2.9 ug/l**
W215	**5/26/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.31 ug/l	< 0.080 ug/l
W215	**5/19/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.15 ug/l	< 0.16 ug/l
W215	**5/2/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.23 ug/l	< 0.070 ug/l
W215	**5/2/2010**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.20 ug/l	< 0.070 ug/l
W215	**5/9/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.12 ug/l	< 0.070 ug/l
W215	**5/8/2012**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.35 ug/l	< 0.16 ug/l
W215	**5/8/2012**	**FD**	0.0036 ug/l	< 0.0045 ug/l	< 0.29 ug/l	< 0.16 ug/l
W217	**12/19/1986**	**N**	--	< 0.0025 ug/l < 0.0025 ug/l	0.038 ug/l 0.041 ug/l	< 6 ug/l < 6 ug/l
W217	**6/22/1987**	**N**	--	< 0.0010 ug/l	0.011 s ug/l	< 6 ug/l
W217	**6/28/1988**	**N**	--	< 0.0010 ug/l	0.007 s ug/l	< 6 ug/l
W217	**6/27/1989**	**N**	--	< 0.0010 ug/l < 0.0010 ug/l	0.0094 s ug/l 0.0085 ug/l	< 6 ug/l < 6 ug/l
W217	**6/27/1990**	**N**	--	< 0.0010 ug/l	< 0.0019 ug/l	< 6 ug/l
W217	**6/19/1991**	**N**	--	< 0.0030 ug/l	0.011 b ug/l	< 6 ug/l

Table 17
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			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		**300 ug/l**	**1 ug/l**
IL	Underline			0.00051 (1)		5.5 ug/l
Location	**Date**	**Type**				
W217	**5/26/1992**	**N**	--	0.0038 ug/l	0.019 ug/l	< 6 ug/l
W217	**6/2/1993**	**N**	--	< 0.00300 ug/l	0.00682 b ug/l	< 6 ug/l
W217	**6/14/1994**	**N**	--	< 0.006 ug/l	0.015 b ug/l	< 3 ug/l
W217	**6/8/1995**	**N**	--	< 0.003 ug/l	0.003 b ug/l	< 3 ug/l
W217	**6/6/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W217	**5/17/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W217	**4/20/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W217	**5/4/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W217	**5/7/2005**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W217	**9/10/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0080 ug/l	< 0.13 ug/l
W217	**5/5/2007**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.0065 ug/l	< 0.13 ug/l
W217	**5/18/2008**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.048 ug/l	< 0.080 ug/l
W217	**4/27/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.038 ug/l	< 0.16 ug/l
W217	**4/29/2012**	**N**	0.013 a ug/l	< 0.0054 ug/l	< 0.072 ug/l	< 0.16 ug/l
W218	**6/24/1987**	**N**	--	< 0.020 ug/l	< 0.038 ug/l	**3000 ug/l**
W218	**6/29/1988**	**N**	--	< 0.010 ug/l	1.4 ug/l	**860 ug/l**
W218	**7/10/1989**	**N**	--	< 0.040 ug/l	1.9 ug/l	**78 ug/l**
W218	**6/27/1990**	**N**	--	< 0.14 ug/l < 0.080 ug/l	8.8 ug/l 4.9 ug/l	**570 ug/l** **490 ug/l**
W218	**6/19/1991**	**N**	--	< 0.060 ug/l	< 0.080 ug/l	**170 ug/l**
W218	**5/27/1992**	**N**	--	< 0.024 ug/l	< 0.032 ug/l	**14 ug/l**
W218	**6/2/1993**	**N**	--	--	--	**26 ug/l**
W218	**7/22/1993**	**N**	--	< 0.00300 ug/l	0.0823 b ug/l	--
W218	**6/14/1994**	**N**	--	< 0.060 ug/l	< 0.060 ug/l	**13 ug/l**
W218	**6/8/1995**	**N**	--	< 0.012 ug/l	< 0.012 ug/l	**26 ug/l**
W218	**6/6/1997**	**N**	--	< 10 ug/l	< 10 ug/l	**17 j ug/l**
W218	**5/18/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	**45 ug/l**
W218	**4/25/2001**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	**34 ug/l**
W218	**5/11/2003**	**N**	0.02 ug/l	< 0.020 ug/l	0.12 ug/l	**3.6 ug/l**
W218	**5/14/2005**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	**110 ug/l**
W218	**9/16/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	5.2 ug/l	**66 ug/l**
W218	**5/16/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.010 ug/l	**15 ug/l**
W218	**5/27/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.023 ug/l	**7.8 ug/l**
W218	**5/4/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.071 ug/l	**3.1 ug/l**
W218	**5/6/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.15 ug/l	**3.4 ug/l**
W219	**3/4/1986**	**N**	--	0.052 ug/l	0.22 ug/l	< 5 ug/l
W219	**5/5/1986**	**N**	--	< 0.0080 ug/l	0.18 ug/l	< 5 ug/l
W219	**7/2/1986**	**N**	--	< 0.0040 ug/l	0.19 ug/l	< 5 ug/l
W219	**12/19/1986**	**N**	--	< 0.020 ug/l	0.071 ug/l	< 6 ug/l
W219	**6/24/1987**	**N**	--	< 6 ug/l < 6 ug/l	< 6 ug/l < 6 ug/l	< 6 ug/l **7.8 ug/l**
W219	**6/29/1988**	**N**	--	< 6 ug/l	< 6 ug/l	< 6 ug/l
W219	**7/10/1989**	**N**	--	< 0.040 ug/l	0.69 s ug/l	**16 ug/l**
W219	**6/27/1990**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W219	**6/19/1991**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W219	**5/26/1992**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W219	**6/2/1993**	**N**	--	< 0.0960 ug/l	0.246 b ug/l	< 6 ug/l
W219	**6/14/1994**	**N**	--	< 0.360 ug/l	0.276 jb ug/l	< 3 ug/l
W219	**6/8/1995**	**N**	--	< 0.45 ug/l	< 0.45 ug/l	< 3 ug/l
W219	**6/6/1997**	**N**	--	< 10 ug/l < 10 ug/l	< 10 ug/l < 10 ug/l	< 50 ug/l < 50 ug/l
W219	**5/17/1999**	**N**	--	< 0.02 ug/l	0.14 ug/l	< 3 ug/l
W219	**4/5/2000**	**N**	--	< 0.02 ug/l	0.21 ug/l	< 3 ug/l

Table 17
Water Quality Data Over Time
OU1 - Treating Facility Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		**300 ug/l**	**1 ug/l**
IL	Underline			0.00051 (1)		5.5 ug/l
Location	**Date**	**Type**				
W219	**4/20/2001**	**N**	--	< 0.020 ug/l	0.22 ug/l	< 0.50 ug/l
W219	**5/2/2002**	**N**	0.021 ug/l	< 0.021 ug/l	0.22 ug/l	< 3.1 ug/l
W219	**5/4/2003**	**N**	0.02 ug/l	< 0.020 ug/l	0.11 ug/l	< 0.50 ug/l
W219	**4/25/2004**	**N**	0.02 ug/l	< 0.020 ug/l	0.13 ug/l	< 0.96 ug/l
W219	**5/7/2005**	**N**	0.02 ug/l	< 0.020 ug/l	0.12 b ug/l	< 0.50 ug/l
W219	**5/7/2005**	**FD**	0.02 ug/l	< 0.020 ug/l	0.11 b ug/l	< 0.50 ug/l
W219	**9/10/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.077 ug/l	< 0.13 ug/l
W219	**9/10/2006**	**FD**	0.004 ug/l	< 0.0043 ug/l	< 0.070 ug/l	< 0.13 ug/l
W219	**5/5/2007**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.067 ug/l	< 0.13 ug/l
W219	**5/5/2007**	**FD**	0.004 a ug/l	< 0.0043 * ug/l	< 0.049 ug/l	< 0.13 ug/l
W219	**5/18/2008**	**N**	0.0035 ug/l	< 0.0043 ug/l	< 0.055 ug/l	< 0.080 ug/l
W219	**5/18/2008**	**FD**	0.0035 ug/l	< 0.0043 ug/l	< 0.051 ug/l	< 0.080 ug/l
W219	**4/27/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.099 ug/l	< 0.16 ug/l
W219	**4/29/2012**	**N**	0.0036 a ug/l	< 0.0043 ug/l	< 0.15 ug/l	< 0.16 ug/l
W220	**6/14/1994**	**N**	--	< 3.00 ug/l	**363 ug/l**	**1000 ug/l**
W220	**12/1/1994**	**N**	--	< 30 ug/l	270 ug/l	**350 ug/l**
W220	**6/8/1995**	**N**	--	< 200 ug/l	200 ug/l	**570 ug/l**
W220	**6/4/1996**	**N**	--	< 10 ug/l	76 ug/l	**180 ug/l**
W220	**6/6/1997**	**N**	--	< 40 ug/l	48 ug/l	**200 ug/l**
W220	**4/29/1998**	**N**	--	< 1.2 ug/l	23 ug/l	**98 ug/l**
W220	**5/16/1999**	**N**	--	< 0.02 ug/l	11 ug/l	**72 ug/l**
W220	**4/4/2000**	**N**	--	< 0.02 ug/l	19 ug/l	**73 ug/l**
W220	**4/4/2000**	**FD**	--	< 0.02 ug/l	21 ug/l	**88 ug/l**
W220	**4/24/2001**	**N**	--	< 0.019 ug/l	18 ug/l	**24 ug/l**
W220	**5/5/2002**	**N**	0.02 ug/l	< 0.020 ug/l	16 ug/l	**4.5 ug/l**
W220	**5/10/2003**	**N**	0.02 ug/l	< 0.020 ug/l	7.4 ug/l	**51 ug/l**
W220	**5/10/2003**	**FD**	0.02 ug/l	< 0.020 ug/l	7.3 ug/l	**51 ug/l**
W220	**4/25/2004**	**N**	0.02 ug/l	< 0.020 ug/l	14 ug/l	**7.5 ug/l**
W220	**5/15/2005**	**N**	0.02 ug/l	< 0.020 ug/l	16 ug/l	**9.6 ug/l**
W220	**9/17/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	12 ug/l	**7.1 ug/l**
W220	**9/17/2006**	**FD**	0.004 ug/l	< 0.0043 ug/l	11 ug/l	**5.2 ug/l**
W220	**12/6/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	18 ug/l	0.31 j ug/l
W220	**2/28/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	9.7 ug/l	0.46 j ug/l
W220	**5/13/2007**	**N**	0.0057 a ug/l	< 0.0043 ug/l	9.6 ug/l	**12 ug/l**
W220	**5/16/2007**	**FD**	0.004 ug/l	< 0.0043 ug/l	14 ug/l	**13 ug/l**
W220	**8/23/2007**	**N**	0.0047 a ug/l	< 0.0043 ug/l	11 ug/l	< 0.080 ug/l
W220	**10/30/2007**	**N**	0.011 a ug/l	< 0.0043 ug/l	< 1.3 ug/l	< 0.080 ug/l
W220	**3/27/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 5.1 ug/l	**1.9 ug/l**
W220	**5/26/2008**	**N**	0.0078 a ug/l	0.0045 j ug/l	4.9 ug/l	**17 ug/l**
W220	**5/26/2008**	**FD**	0.0034 ug/l	< 0.0043 ug/l	5.2 ug/l	**17 ug/l**
W220	**8/23/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.56 ug/l	0.50 p ug/l
W220	**11/19/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	4.3 ug/l	**17 ug/l**
W220	**2/17/2009**	**N**	0.0036 a ug/l	< 0.0043 ug/l	5.2 ug/l	**11 ug/l**
W220	**5/18/2009**	**N**	0.0053 a ug/l	< 0.0044 ug/l	2 ug/l	**5.5 ug/l**
W220	**5/18/2009**	**FD**	0.0035 ug/l	< 0.0045 ug/l	2.4 ug/l	**5.6 ug/l**
W220	**8/25/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.025 ug/l	**2.2 ug/l**
W220	**11/11/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.22 ug/l	**1.0 ug/l**
W220	**3/16/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.057 ug/l	**4.2 ug/l**
W220	**3/16/2010**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.037 ug/l	**4.0 ug/l**
W220	**5/2/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.44 ug/l	< 11 ug/l
W220	**5/2/2010**	**FD**	0.0035 ug/l	< 0.0045 ug/l	< 0.37 ug/l	< 0.070 ug/l

Table 17
Water Quality Data Over Time
OU1 - Treating Facility Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		**300 ug/l**	**1 ug/l**
IL	Underline			0.00051 (1)		5.5 ug/l
Location	**Date**	**Type**				
W220	**9/28/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.47 ug/l	**3.2 ug/l**
W220	**12/2/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.50 ug/l	**5.6 ug/l**
W220	**3/30/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.45 ug/l	**11 ug/l**
W220	**5/10/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.33 ug/l	**10 ug/l**
W220	**5/10/2011**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.33 ug/l	**10 ug/l**
W220	**8/30/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.38 ug/l	**7.7 ug/l**
W220	**10/27/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.41 ug/l	**8.8 ug/l**
W220	**3/19/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.43 ug/l	**19 ug/l**
W220	**5/9/2012**	**N**	0.018 a ug/l	0.0090 j ug/l	< 0.48 ug/l	**29 ug/l**
W220	**5/9/2012**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.42 ug/l	**29 ug/l**
W220	**10/22/2012**	**N**	0.0035 ug/l	< 0.0043 ug/l	< 0.024 ug/l	**96 ug/l**
W220	**10/22/2012**	**FD**	0.0035 ug/l	< 0.0043 ug/l	< 0.031 ug/l	**98 ug/l**
W221	**6/14/1994**	**N**	--	< 0.006 ug/l < 0.006 ug/l	0.013 b ug/l 0.031 b ug/l	< 3 ug/l < 3 ug/l
W221	**12/1/1994**	**N**	--	< 0.006 ug/l	0.012 b ug/l	< 3 ug/l
W221	**6/8/1995**	**N**	--	< 0.003 ug/l	0.003 b ug/l	< 3 ug/l
W221	**6/6/1997**	**N**	--	< 10 ug/l < 10 ug/l	< 10 ug/l < 10 ug/l	< 50 ug/l < 50 ug/l
W221	**5/17/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W221	**4/20/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W221	**5/4/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W221	**5/7/2005**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W221	**9/9/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W221	**5/5/2007**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.0065 ug/l	< 0.13 ug/l
W221	**5/18/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.013 j ug/l	< 0.080 ug/l
W221	**4/27/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.030 ug/l	< 0.16 ug/l
W221	**4/29/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.11 ug/l	< 0.16 ug/l
W411	**10/20/1987**	**N**	--	< 1.0 ug/l	< 1.9 ug/l	**690 ug/l**
W411	**5/15/1999**	**N**	--	< 0.02 ug/l	0.03 ug/l	**350 ug/l**
W411	**4/25/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	**14 ug/l**
W411	**5/8/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	**12 ug/l**
W411	**5/14/2005**	**N**	0.023 ug/l	< 0.023 ug/l	< 0.18 ug/l	**17 ug/l**
W411	**9/18/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.021 ug/l	**31 ug/l**
W411	**5/15/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.039 ug/l	**11 ug/l**
W411	**5/25/2008**	**N**	0.0035 ug/l	< 0.0043 ug/l	< 0.020 ug/l	**15 ug/l**
W411	**5/2/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.079 ug/l	**7.1 ug/l**
W411	**5/11/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.21 ug/l	**220 ug/l**
W302	**3/4/1986**	**N**	--	--	--	< 5 ug/l
W302	**5/5/1986**	**N**	--	< 0.0020 ug/l	s ug/l	< 5 ug/l
W302	**7/2/1986**	**N**	--	--	--	< 5 ug/l
W302	**12/18/1986**	**N**	--	< 0.0010 ug/l	s ug/l	< 6 ug/l
W302	**6/22/1987**	**N**	--	< 0.0010 ug/l < 0.0010 ug/l	0.012 s ug/l 0.012 s ug/l	< 6 ug/l < 6 ug/l
W302	**12/8/1987**	**N**	--	< 0.001 ug/l	0.039 ug/l	< 6 ug/l
W302	**6/28/1988**	**N**	--	0.015 ug/l	0.049 s ug/l	< 6 ug/l
W302	**12/14/1988**	**N**	--	< 0.0010 ug/l	0.017 s ug/l	< 6 ug/l
W302	**6/27/1989**	**N**	--	< 0.0020 ug/l	0.037 s ug/l	< 6 ug/l
W302	**6/27/1990**	**N**	--	< 0.0010 ug/l	0.018 s ug/l	< 6 ug/l
W302	**6/19/1991**	**N**	--	< 0.0030 ug/l	0.037 b ug/l	< 6 ug/l
W302	**5/27/1992**	**N**	--	< 0.0030 ug/l	0.019 b ug/l	< 6 ug/l
W302	**6/2/1993**	**N**	--	< 0.00300 ug/l	0.00947 b ug/l	< 6 ug/l
W302	**6/14/1994**	**N**	--	< 0.012 ug/l	0.092 ug/l	< 3 ug/l
W302	**6/6/1995**	**N**	--	< 0.003 ug/l	0.016 ug/l	< 3 ug/l

Table 17
Water Quality Data Over Time
OU1 - Treating Facility Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		**300 ug/l**	**1 ug/l**
IL	Underline			0.00051 (1)		5.5 ug/l
Location	**Date**	**Type**				
W302	**6/4/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W302	**5/13/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 h ug/l
W302	**5/13/1999**	**FD**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 h ug/l
W302	**4/25/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W302	**5/8/2003**	**N**	0.02 ug/l	< 0.020 ug/l	0.042 ug/l	< 0.50 ug/l
W302	**5/8/2003**	**FD**	0.02 ug/l	< 0.020 ug/l	0.043 ug/l	< 0.50 ug/l
W302	**5/8/2005**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W302	**9/17/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.029 ug/l	0.14 j ug/l
W302	**5/12/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	0.035 ug/l	< 0.13 ug/l
W302	**5/24/2008**	**N**	0.0035 ug/l	< 0.0043 ug/l	< 0.041 ug/l	< 0.080 ug/l
W302	**5/1/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.078 ug/l	< 0.070 ug/l
W302	**5/1/2012**	**N**	0.0035 ug/l	< 0.0044 ug/l	0.30 ug/l	< 0.16 ug/l
W306	**3/3/1986**	**N**	--	--	--	< 5 ug/l
W306	**5/5/1986**	**N**	--	< 0.0020 ug/l	s ug/l	< 5 ug/l
W306	**7/2/1986**	**N**	--	--	--	< 5 ug/l
W306	**12/17/1986**	**N**	--	< 0.0010 ug/l	s ug/l	< 6 ug/l
W306	**6/22/1987**	**N**	--	< 0.0010 ug/l	0.016 ug/l	< 6 ug/l
W306	**12/8/1987**	**N**	--	< 0.0010 ug/l	0.044 ug/l	< 6 ug/l
W306	**6/28/1988**	**N**	--	< 0.0020 ug/l < 0.0020 ug/l	0.013 s ug/l 0.013 s ug/l	< 6 ug/l < 6 ug/l
W306	**12/14/1988**	**N**	--	< 0.0010 ug/l	0.029 s ug/l	< 6 ug/l
W306	**6/28/1989**	**N**	--	< 0.0010 ug/l	0.0047 s ug/l	< 6 ug/l
W306	**6/27/1990**	**N**	--	< 0.0010 ug/l	0.0030 s ug/l	< 6 ug/l
W306	**6/19/1991**	**N**	--	< 0.0030 ug/l	0.32 ug/l	< 6 ug/l
W306	**5/27/1992**	**N**	--	< 0.0060 ug/l	< 0.0080 ug/l	< 6 ug/l
W306	**6/2/1993**	**N**	--	< 0.00300 ug/l	0.00923 b ug/l	< 6 ug/l
W306	**6/14/1994**	**N**	--	0.005 ug/l	0.010 b ug/l	< 3 ug/l
W306	**6/6/1995**	**N**	--	< 0.003 ug/l	0.007 ug/l	< 3 ug/l
W306	**6/5/1996**	**N**	--	< 10 ug/l < 10 ug/l	< 10 ug/l < 10 ug/l	< 50 ug/l < 50 ug/l
W306	**6/4/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W306	**4/30/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 5 j ug/l
W306	**5/13/1999**	**N**	--	< 0.02 ug/l	0.04 ug/l	< 3 h ug/l
W306	**4/4/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W306	**4/25/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W306	**5/4/2002**	**N**	0.021 ug/l	< 0.021 ug/l	0.023 ug/l	< 0.50 ug/l
W306	**5/7/2003**	**N**	0.02 ug/l	< 0.020 ug/l	0.031 ug/l	< 0.50 ug/l
W306	**4/24/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.96 ug/l
W306	**5/14/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
W306	**9/18/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.034 ug/l	0.19 j ug/l
W306	**5/12/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	0.011 j ug/l	< 0.13 ug/l
W306	**5/24/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.038 ug/l	< 0.080 ug/l
W306	**5/14/2009**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.020 ug/l	< 0.16 ug/l
W306	**5/1/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.052 ug/l	< 0.070 ug/l
W306	**5/6/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.013 j ug/l	0.11 j ug/l
W306	**5/1/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.23 ug/l	< 0.16 ug/l
CW3	**7/25/1984**	**N**	--	* ug/l	0.0028 ug/l	* ug/l
CW3	**11/7/1984**	**N**	--	* ug/l	0.017 ug/l	* ug/l
CW3	**1/16/1985**	**N**	--	< 0.0020 ug/l	0.0067 ug/l	--
CW3	**3/21/1985**	**N**	--	< 0.0010 ug/l	0.032 ug/l	< 5 ug/l
CW3	**4/24/1985**	**N**	--	< 0.0010 ug/l	s ug/l	< 5 ug/l
CW3	**9/18/1985**	**N**	--	< 0.0010 ug/l	0.0048 ug/l	< 5 ug/l

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			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		**300 ug/l**	**1 ug/l**
IL	Underline			0.00051 (1)		5.5 ug/l
Location	**Date**	**Type**				
CW3	**12/17/1985**	**N**	--	< 0.0010 ug/l	s ug/l	< 5 ug/l
CW3	**3/4/1986**	**N**	--	--	--	< 5 ug/l
CW3	**5/6/1986**	**N**	--	< 0.0010 ug/l	s ug/l	< 5 ug/l
CW3	**7/3/1986**	**N**	--	--	--	< 5 ug/l
CW3	**12/16/1986**	**N**	--	< 0.0010 ug/l	s ug/l	< 5 ug/l
CW3	**6/24/1987**	**N**	--	< 0.001 ug/l	0.013 s ug/l	< 6 ug/l
CW3	**12/8/1987**	**N**	--	< 0.001 ug/l	0.037 ug/l	< 6 ug/l
CW3	**6/28/1988**	**N**	--	< 0.0010 ug/l	0.0042 s ug/l	< 6 ug/l
CW3	**12/14/1988**	**N**	--	< 0.0010 ug/l	0.023 s ug/l	< 6 ug/l
MW-3-90	**6/27/1989**	**N**	--	< 0.0010 ug/l	0.0058 s ug/l	< 6 ug/l
MW-3-90	**6/27/1990**	**N**	--	< 0.0010 ug/l	0.028 s ug/l	< 6 ug/l
MW-3-90	**6/18/1991**	**N**	--	< 0.0030 ug/l	0.0048 b ug/l	< 6 ug/l
MW-3-90	**5/26/1992**	**N**	--	< 0.0030 ug/l	0.019 ug/l	< 6 ug/l
MW-3-90	**6/1/1993**	**N**	--	< 0.00300 ug/l	0.00941 b ug/l	< 6 ug/l
MW-3-90	**6/14/1994**	**N**	--	0.004 ug/l	0.015 b ug/l	< 3 ug/l
MW-3-90	**6/6/1995**	**N**	--	< 0.003 ug/l	0.017 ug/l	< 3 ug/l
MW-3-90	**6/4/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
MW-3-90	**5/15/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
MW-3-90	**4/25/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
MW-3-90	**5/7/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
MW-3-90	**5/8/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
MW-3-90	**9/10/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
MW-3-90	**5/14/2007**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.024 ug/l	< 0.13 ug/l
MW-3-90	**5/25/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.027 ug/l	< 0.080 ug/l
MW3	**5/1/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.074 ug/l	< 0.070 ug/l
MW3	**5/2/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.049 ug/l	< 0.16 ug/l
CL-N	**3/3/1986**	**N**	--	--	--	< 5 ug/l
CL-N	**5/5/1986**	**N**	--	--	--	< 5 ug/l
CL-N	**7/2/1986**	**N**	--	--	--	< 5 ug/l
CL-N	**12/16/1986**	**N**	--	< 0.0010 ug/l	s ug/l	< 5 ug/l
CL-N	**12/8/1987**	**N**	--	--	--	< 6 ug/l
CL-N	**12/15/1988**	**N**	--	--	--	< 10 ug/l
CL-N	**12/13/1989**	**N**	--	--	--	< 6 ug/l
CL-N	**12/4/1990**	**N**	--	< 0.0020 ug/l < 0.0010 ug/l	0.0072 b ug/l 0.0091 b ug/l	< 6 ug/l < 6 ug/l
CL-N	**12/17/1991**	**N**	--	--	--	< 10 ug/l
CL-N	**12/10/1992**	**N**	--	--	--	< 10 ug/l
CL-N	**11/2/1993**	**N**	--	--	--	< 10 ug/l
CL-N	**12/1/1994**	**N**	--	--	--	**7 ug/l**
CL-N	**1/26/1995**	**N**	--	--	--	< 3 ug/l
CL-N	**11/7/1995**	**N**	--	--	--	< 3 ug/l
CL-N	**6/5/1996**	**N**	--	--	--	< 50 ug/l
CL-N	**6/5/1997**	**N**	--	--	--	< 50 ug/l
CL-N	**4/29/1998**	**N**	--	--	--	< 5 j ug/l
CL-N	**5/17/1999**	**N**	--	--	--	< 0.5 ug/l
CL-N	**4/4/2000**	**N**	--	--	--	< 0.50 ug/l
CL-N	**4/20/2001**	**N**	--	--	--	< 0.50 ug/l
CL-N	**5/3/2002**	**N**	--	--	--	< 0.50 ug/l
CL-N	**5/10/2003**	**N**	--	--	--	< 0.50 ug/l
CL-N	**4/26/2004**	**N**	--	--	--	< 0.50 ug/l
CL-N	**5/12/2005**	**N**	--	--	--	< 0.50 ug/l
CL-N	**9/13/2006**	**N**	--	--	--	< 0.13 ug/l

Table 17
Water Quality Data Over Time
OU1 - Treating Facility Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		**300 ug/l**	**1 ug/l**
IL	Underline			0.00051 (1)		5.5 ug/l
Location	**Date**	**Type**				
CL-N	**5/6/2007**	**N**	--	--	--	< 0.13 ug/l
CL-N	**5/19/2008**	**N**	--	--	--	< 0.080 ug/l
CL-N	**5/12/2009**	**N**	--	--	--	< 0.16 ug/l
CL-N	**4/25/2010**	**N**	--	--	--	< 0.16 ug/l
CL-N	**5/3/2011**	**N**	--	--	--	< 0.070 ug/l
CL-N	**4/29/2012**	**N**	--	--	--	< 0.16 ug/l
CL-S	**3/3/1986**	**N**	--	--	--	< 5 ug/l
CL-S	**5/5/1986**	**N**	--	--	--	< 5 ug/l
CL-S	**7/2/1986**	**N**	--	--	--	< 5 ug/l
CL-S	**12/16/1986**	**N**	--	< 0.0010 ug/l	s ug/l	< 5 ug/l
CL-S	**12/8/1987**	**N**	--	--	--	< 6 ug/l
CL-S	**12/15/1988**	**N**	--	--	--	< 10 ug/l
CL-S	**12/13/1989**	**N**	--	--	--	< 6 ug/l
CL-S	**12/4/1990**	**N**	--	< 0.0010 ug/l	0.0076 b ug/l	< 6 ug/l
CL-S	**12/17/1991**	**N**	--	--	--	< 10 ug/l
CL-S	**12/10/1992**	**N**	--	--	--	< 10 ug/l
CL-S	**11/2/1993**	**N**	--	--	--	< 10 ug/l
CL-S	**12/1/1994**	**N**	--	--	--	**75 ug/l**
CL-S	**1/26/1995**	**N**	--	--	--	< 3 ug/l < 3 ug/l
CL-S	**11/7/1995**	**N**	--	--	< 3 ug/l	< 3 ug/l
CL-S	**6/5/1996**	**N**	--	--	--	< 50 ug/l
CL-S	**6/5/1997**	**N**	--	--	--	< 50 ug/l
CL-S	**4/29/1998**	**N**	--	--	--	< 5 j ug/l
CL-S	**5/17/1999**	**N**	--	--	--	< 0.5 ug/l
CL-S	**4/4/2000**	**N**	--	--	--	**2.2 ug/l**
CL-S	**4/24/2001**	**N**	--	--	--	< 0.50 ug/l
CL-S	**5/3/2002**	**N**	--	--	--	< 0.50 ug/l
CL-S	**5/10/2003**	**N**	--	--	--	< 0.50 ug/l
CL-S	**4/26/2004**	**N**	--	--	--	< 0.50 ug/l
CL-S	**5/12/2005**	**N**	--	--	--	< 0.50 ug/l
CL-S	**9/13/2006**	**N**	--	--	--	< 0.13 ug/l
CL-S	**5/6/2007**	**N**	--	--	--	< 0.13 ug/l
CL-S	**5/19/2008**	**N**	--	--	--	< 0.080 ug/l
CL-S	**5/12/2009**	**N**	--	--	--	< 0.16 ug/l
CL-S	**4/25/2010**	**N**	--	--	--	< 0.16 ug/l
CL-S	**5/3/2011**	**N**	--	--	--	< 0.070 ug/l
CL-S	**4/29/2012**	**N**	--	--	--	< 0.16 ug/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 18
Groundwater Quality Data-Surficial Aquifer
OU2-Containment Vault Area
St. Regis Paper company Site

		Sys Loc Code	W124	W125	W126	W127	W128	W129	W130	
		Sample Date	4/28/2012	4/28/2012	4/27/2012	4/28/2012	4/28/2012	4/28/2012	4/27/2012	
		Sample Type Code	N	N	N	N	N	N	N	FD
Chemical Name	Drinking Water Criteria	Intervention Limits								
Exceedance Key	No Exceed	No Exceed								
SVOCs										
Benz(a)anthracene			< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0037 ug/l	< 0.0042 ug/l	< 0.0040 ug/l	< 0.0042 ug/l
Chrysene			< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0035 ug/l	< 0.0034 ug/l
Benzo(b)fluoranthene			< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0024 ug/l	< 0.0023 ug/l
Benzo(k)fluoranthene			< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0026 ug/l	< 0.0025 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0044 ug/l	< 0.0043 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0027 ug/l	< 0.0026 ug/l
Dibenz(a,h)anthracene			< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0026 ug/l	< 0.0025 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l		0.0034 ug/l	0.0034 ug/l	0.0034 ug/l	0.0034 ug/l	0.0034 ug/l	0.0035 ug/l	0.0035 ug/l	0.0035 ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l		ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l
2-Methylnaphthalene			< 0.0061 ug/l	< 0.0050 ug/l	< 0.0076 ug/l	< 0.0040 ug/l	0.0038 j ug/l	0.0032 j ug/l	< 0.0065 ug/l	0.0041 j ug/l
Acenaphthene	400 ug/l		< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0045 ug/l	< 0.0052 ug/l
Acenaphthylene			< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0035 ug/l	< 0.0034 ug/l
Anthracene	2000 ug/l	0.035 ug/l	0.0066 j ug/l	< 0.0036 ug/l	0.0038 j ug/l	0.012 j ug/l	0.021 ug/l	0.013 j ug/l	< 0.0037 ug/l	< 0.0036 ug/l
Benzo(g,h,i)perylene			< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0030 ug/l	< 0.0029 ug/l
Fluoranthene	300 ug/l		< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0045 ug/l	< 0.0044 ug/l
Fluorene	300 ug/l		< 0.0038 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	< 0.0039 ug/l	< 0.0038 ug/l
Naphthalene	300 ug/l		< 0.12 ug/l	< 0.088 ug/l	< 0.037 ug/l	< 0.088 ug/l	< 0.092 ug/l	< 0.090 ug/l	< 0.085 ug/l	0.10 ug/l
Phenanthrene			< 0.0050 ug/l	< 0.0050 ug/l	< 0.0050 ug/l	< 0.0050 ug/l	< 0.0050 ug/l	< 0.0050 ug/l	< 0.0051 ug/l	< 0.0050 ug/l
Pyrene	200 ug/l		< 0.0035 ug/l	< 0.0035 ug/l	< 0.0035 ug/l	< 0.0035 ug/l	< 0.0035 ug/l	< 0.0035 ug/l	< 0.0036 ug/l	< 0.0035 ug/l
Pentachlorophenol	1 ug/l	5.5 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 19
Groundwater Quality Data-Lower Aquifer
OU2-Containment Vault Area
St. Regis Paper Company Site

		Sys Loc Code	W324	W329	W330
		Sample Date	4/28/2012	4/28/2012	4/27/2012
		Sample Type Code	N	N	N
Chemical Name	Drinking Water Criteria	Intervention Limits			
Exceedance Key	No Exceed	No Exceed			
SVOCs					
Benz(a)anthracene			< 0.0034 ug/l	< 0.0026 ug/l	< 0.0058 ug/l
Chrysene			< 0.0034 ug/l	< 0.0034 ug/l	< 0.0045 ug/l
Benzo(b)fluoranthene			< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l
Benzo(k)fluoranthene			< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l
Dibenz(a,h)anthracene			< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l		0.0034 ug/l	0.0034 ug/l	0.0035 ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l		ND ug/l	ND ug/l	ND ug/l
2-Methylnaphthalene			< 0.0069 ug/l	< 0.0045 ug/l	< 0.0073 ug/l
Acenaphthene	400 ug/l		0.0053 j ug/l	< 0.0044 ug/l	0.0054 j ug/l
Acenaphthylene			< 0.0034 ug/l	< 0.0034 ug/l	0.0039 j ug/l
Anthracene	2000 ug/l	0.035 ug/l	0.0040 j ug/l	< 0.0036 ug/l	0.018 j ug/l
Benzo(g,h,i)perylene			< 0.0029 ug/l	< 0.0029 ug/l	0.0039 j ug/l
Fluoranthene	300 ug/l		< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l
Fluorene	300 ug/l		0.0047 j ug/l	< 0.0038 ug/l	0.014 j ug/l
Naphthalene	300 ug/l		< 0.12 ug/l	< 0.095 ug/l	< 0.11 ug/l
Phenanthrene			< 0.0059 ug/l	< 0.0071 ug/l	< 0.018 ug/l
Pyrene	200 ug/l		< 0.0035 ug/l	< 0.0035 ug/l	0.0039 j ug/l
Pentachlorophenol	1 ug/l	5.5 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 20
Groundwater Quality Data Over Time
OU2 - Containment Vault Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		0.05 ug/l		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W124	**10/20/1987**	**N**	--	< 0.0010 ug/l	0.0073 ug/l	< 6 ug/l
W124	**1/19/1988**	**N**	--	< 0.001 ug/l	0.003 ug/l	< 6 ug/l
W124	**6/29/1988**	**N**	--	< 0.0020 ug/l	0.028 s ug/l	< 6 ug/l
W124	**8/30/1988**	**N**	--	< 0.0010 ug/l	0.003 s ug/l	< 6 ug/l
W124	**12/15/1988**	**N**	--	< 0.0010 ug/l < 0.0010 ug/l	0.023 s ug/l 0.022 s ug/l	< 6 ug/l < 6 ug/l
W124	**3/28/1989**	**N**	--	< 0.0010 ug/l	0.0021 ug/l	< 30 ug/l
W124	**6/27/1989**	**N**	--	< 0.0010 ug/l	0.0048 s ug/l	< 6 ug/l
W124	**8/31/1989**	**N**	--	< 0.0010 ug/l	0.0031 s ug/l	< 6 ug/l
W124	**12/13/1989**	**N**	--	< 0.0010 ug/l	0.0022 s ug/l	< 6 ug/l
W124	**3/5/1990**	**N**	--	< 0.0010 ug/l	0.0040 ug/l	< 6 ug/l
W124	**6/28/1990**	**N**	--	< 0.0010 ug/l	0.0047 s ug/l	< 6 ug/l
W124	**6/18/1991**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
W124	**12/18/1991**	**N**	--	< 0.0030 ug/l	0.0069 b ug/l	< 6 ug/l
W124	**5/27/1992**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
W124	**12/10/1992**	**N**	--	< 0.060 BQU ug/l	< 0.080 BQU ug/l	< 6 ug/l
W124	**2/9/1993**	**N**	--	< 0.00300 ug/l	0.00679 ug/l	--
W124	**6/3/1993**	**N**	--	< 0.00300 ug/l < 0.00300 ug/l	< 0.00400 ug/l < 0.00400 ug/l	< 6 ug/l < 6 ug/l
W124	**11/2/1993**	**N**	--	< 0.00300 ug/l	0.00759 b ug/l	< 6 ug/l
W124	**6/15/1994**	**N**	--	< 0.003 ug/l	0.004 ug/l	< 3 ug/l
W124	**12/1/1994**	**N**	--	< 0.003 ug/l	0.006 b ug/l	< 3 ug/l
W124	**6/7/1995**	**N**	--	< 0.003 ug/l	< 0.003 ug/l	< 3 ug/l
W124	**11/7/1995**	**N**	--	< 0.006 ug/l < 0.006 ug/l	< 0.006 ug/l < 0.006 ug/l	< 3 ug/l < 3 ug/l
W124	**6/5/1996**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W124	**6/4/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W124	**4/30/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 0.50 ug/l
W124	**5/13/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 h ug/l
W124	**4/3/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W124	**4/26/2001**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W124	**5/4/2002**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 3.1 ug/l
W124	**5/12/2003**	**N**	0.02 ug/l	< 0.020 ug/l	0.021 ug/l	< 0.50 ug/l
W124	**4/24/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.96 ug/l
W124	**5/11/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
W124	**9/4/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	0.0081 j ug/l	< 0.13 ug/l
W124	**5/9/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0074 ug/l	< 0.13 ug/l
W124	**5/17/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.059 ug/l	< 0.080 ug/l
W124	**5/11/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.080 ug/l	< 0.16 ug/l
W124	**4/24/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.10 ug/l	< 0.16 ug/l
W124	**5/1/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.032 ug/l	< 0.070 ug/l
W124	**4/28/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.12 ug/l	< 0.16 ug/l
W125	**10/20/1987**	**N**	--	< 0.0010 ug/l	0.0068 ug/l	< 6 ug/l
W125	**1/19/1988**	**N**	--	< 0.001 ug/l	0.0022 ug/l	< 6 ug/l
W125	**6/29/1988**	**N**	--	< 0.0010 ug/l	0.0034 s ug/l	< 6 ug/l
W125	**8/30/1988**	**N**	--	< 0.0010 ug/l	0.0031 s ug/l	< 6 ug/l
W125	**12/15/1988**	**N**	--	< 0.0010 ug/l	< 0.0019 ug/l	< 6 ug/l
W125	**3/28/1989**	**N**	--	< 0.0010 ug/l	< 0.0019 ug/l	< 30 ug/l
W125	**6/27/1989**	**N**	--	< 0.0010 ug/l	0.0047 s ug/l	< 6 ug/l
W125	**8/31/1989**	**N**	--	< 0.0010 ug/l	0.0031 s ug/l	< 6 ug/l

Table 20
Groundwater Quality Data Over Time
OU2 - Containment Vault Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		0.05 ug/l		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W125	**12/13/1989**	**N**	--	< 0.0010 ug/l < 0.0010 ug/l	0.0022 s ug/l 0.0027 ug/l	< 6 ug/l < 6 ug/l
W125	**3/5/1990**	**N**	--	< 0.0010 ug/l	0.0044 ug/l	< 6 ug/l
W125	**6/28/1990**	**N**	--	< 0.0020 ug/l	< 0.0038 ug/l	< 6 ug/l
W125	**6/18/1991**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
W125	**12/18/1991**	**N**	--	< 0.0030 ug/l < 0.0030 ug/l	0.0057 b ug/l < 0.0040 ug/l	< 6 ug/l < 6 ug/l
W125	**5/27/1992**	**N**	--	< 0.0030 ug/l < 0.0030 ug/l	< 0.0040 ug/l < 0.0040 ug/l	< 6 ug/l < 6 ug/l
W125	**12/10/1992**	**N**	--	< 0.060 BQU ug/l < 0.0030 ug/l	< 0.080 BQU ug/l < 0.0040 ug/l	< 6 ug/l < 6 ug/l
W125	**2/9/1993**	**N**	--	< 0.00300 ug/l	< 0.00400 ug/l	--
W125	**6/3/1993**	**N**	--	< 0.00300 ug/l	0.00470 b ug/l	< 6 ug/l
W125	**11/2/1993**	**N**	--	< 0.00300 ug/l	0.00788 b ug/l	< 6 ug/l
W125	**6/15/1994**	**N**	--	< 0.003 ug/l < 0.003 ug/l	0.005 ug/l 0.004 b ug/l	< 3 ug/l < 3 ug/l
W125	**12/1/1994**	**N**	--	< 0.003 ug/l	0.005 b ug/l	< 3 ug/l
W125	**6/7/1995**	**N**	--	< 0.003 ug/l	0.004 b ug/l	< 3 ug/l
W125	**11/7/1995**	**N**	--	< 0.006 ug/l	< 0.006 ug/l	< 3 ug/l
W125	**6/5/1996**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W125	**6/4/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W125	**4/30/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 0.50 ug/l
W125	**5/13/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 h ug/l
W125	**4/3/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W125	**4/21/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W125	**5/4/2002**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 3.0 ug/l
W125	**5/7/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W125	**4/24/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.96 ug/l
W125	**5/11/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
W125	**9/4/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W125	**5/9/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W125	**5/17/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.040 ug/l	< 0.080 ug/l
W125	**5/10/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.075 ug/l	< 0.16 ug/l
W125	**4/24/2010**	**N**	0.0120 a ug/l	0.0082 j ug/l	0.080 ug/l	< 0.16 ug/l
W125	**5/1/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.049 ug/l	< 0.070 ug/l
W125	**4/28/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.088 ug/l	< 0.16 ug/l
W126	**10/21/1987**	**N**	--	< 0.0010 ug/l	0.0078 ug/l	< 6 ug/l
W126	**1/19/1988**	**N**	--	< 0.001 ug/l	0.004 ug/l	< 6 ug/l
W126	**6/29/1988**	**N**	--	< 0.0010 ug/l	0.0029 s ug/l	< 6 ug/l
W126	**8/30/1988**	**N**	--	< 0.0010 ug/l < 0.0010 ug/l	0.0032 s ug/l 0.0037 s ug/l	< 6 ug/l < 6 ug/l
W126	**12/15/1988**	**N**	--	< 0.0010 ug/l	0.019 s ug/l	< 6 ug/l
W126	**5/9/1989**	**N**	--	< 0.0010 ug/l	0.013 s ug/l	< 6 ug/l
W126	**6/27/1989**	**N**	--	< 0.0010 ug/l	0.0062 s ug/l	< 6 ug/l
W126	**8/31/1989**	**N**	--	< 0.0010 ug/l	0.0026 s ug/l	< 6 ug/l
W126	**12/13/1989**	**N**	--	< 0.0010 ug/l	0.0023 s ug/l	< 6 ug/l
W126	**3/5/1990**	**N**	--	< 0.0010 ug/l	0.0033 ug/l	< 6 ug/l
W126	**6/28/1990**	**N**	--	< 0.0010 ug/l	0.0029 s ug/l	< 6 ug/l
W126	**6/18/1991**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
W126	**12/18/1991**	**N**	--	< 0.0030 ug/l	0.0049 b ug/l	< 6 ug/l
W126	**5/27/1992**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
W126	**12/10/1992**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l

Table 20
Groundwater Quality Data Over Time
OU2 - Containment Vault Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		0.05 ug/l		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W126	**6/3/1993**	**N**	--	< 0.00300 ug/l	0.00436 b ug/l	< 6 ug/l
W126	**11/2/1993**	**N**	--	< 0.00300 ug/l < 0.00300 ug/l	0.00575 b ug/l 0.00653 b ug/l	< 6 ug/l < 6 ug/l
W126	**6/15/1994**	**N**	--	< 0.003 ug/l	0.005 ug/l	< 3 ug/l
W126	**12/1/1994**	**N**	--	< 0.003 ug/l	0.005 b ug/l	< 3 ug/l
W126	**6/7/1995**	**N**	--	< 0.003 ug/l	0.009 b ug/l	< 3 ug/l
W126	**7/28/1995**	**N**	--	< 0.003 ug/l	< 0.003 ug/l	--
W126	**11/7/1995**	**N**	--	< 0.012 ug/l	< 0.012 ug/l	< 3 ug/l
W126	**6/5/1996**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W126	**6/4/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W126	**4/30/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 5 j ug/l
W126	**5/13/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	--
W126	**4/3/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W126	**4/21/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W126	**5/4/2002**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 2.9 ug/l
W126	**5/7/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W126	**4/24/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.96 ug/l
W126	**5/10/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
W126	**9/3/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	0.0066 j ug/l	< 0.13 ug/l
W126	**5/9/2007**	**N**	0.0042 ug/l	< 0.0045 ug/l	< 0.0068 ug/l	< 0.13 ug/l
W126	**5/17/2008**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.077 ug/l	< 0.080 ug/l
W126	**5/10/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.072 ug/l	< 0.16 ug/l
W126	**4/22/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.13 ug/l	< 0.16 ug/l
W126	**5/2/2011**	**N**	0.0035 ug/l	< 0.0044 ug/l	0.051 ug/l	< 0.070 ug/l
W126	**4/27/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.037 ug/l	< 0.16 ug/l
W127	**10/20/1987**	**N**	--	< 0.0010 ug/l	0.0065 ug/l	< 6 ug/l
W127	**1/19/1988**	**N**	--	< 0.001 ug/l < 0.001 ug/l	0.0038 ug/l 0.0041 ug/l	< 6 ug/l < 6 ug/l
W127	**6/29/1988**	**N**	--	< 0.0010 ug/l < 0.0010 ug/l	0.0039 s ug/l 0.0049 s ug/l	< 6 ug/l < 6 ug/l
W127	**8/30/1988**	**N**	--	< 0.0010 ug/l	0.0031 s ug/l	< 6 ug/l
W127	**12/15/1988**	**N**	--	< 0.0010 ug/l	0.023 s ug/l	< 6 ug/l
W127	**3/28/1989**	**N**	--	< 0.0010 ug/l	0.0027 ug/l	< 30 ug/l
W127	**6/27/1989**	**N**	--	< 0.0010 ug/l	0.0032 s ug/l	< 6 ug/l
W127	**8/31/1989**	**N**	--	< 0.0010 ug/l	0.0059 s ug/l	< 6 ug/l
W127	**12/13/1989**	**N**	--	< 0.0010 ug/l	0.0022 s ug/l	< 6 ug/l
W127	**3/5/1990**	**N**	--	< 0.0010 ug/l < 0.0010 ug/l	0.0039 ug/l 0.0037 ug/l	< 6 ug/l
W127	**6/28/1990**	**N**	--	< 0.0010 ug/l < 0.0010 ug/l	0.0032 s ug/l 0.0026 s ug/l	< 6 ug/l
W127	**6/18/1991**	**N**	--	< 0.0030 ug/l	0.0040 b ug/l	< 6 ug/l
W127	**12/18/1991**	**N**	--	< 0.0030 ug/l	0.0042 b ug/l	< 6 ug/l
W127	**5/27/1992**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
W127	**5/13/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 h ug/l
W127	**10/6/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W127	**4/3/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W127	**4/21/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W127	**5/4/2002**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 2.9 ug/l
W127	**5/13/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W127	**4/24/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.97 ug/l
W127	**5/10/2005**	**N**	0.022 ug/l	< 0.022 ug/l	< 0.022 ug/l	< 0.50 ug/l
W127	**9/4/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l

Table 20
Groundwater Quality Data Over Time
OU2 - Containment Vault Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		0.05 ug/l		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W127	**5/9/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0077 ug/l	**1.8 ug/l**
W127	**8/24/2007**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0042 ug/l	< 0.080 ug/l
W127	**5/17/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.049 ug/l	< 0.080 ug/l
W127	**5/11/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.042 ug/l	< 0.16 ug/l
W127	**4/22/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.067 ug/l	< 0.16 ug/l
W127	**5/1/2011**	**N**	0.0035 ug/l	< 0.0044 ug/l	0.035 ug/l	< 0.070 ug/l
W127	**4/28/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.088 ug/l	< 0.16 ug/l
W128	**10/21/1987**	**N**	--	< 0.0010 ug/l < 0.0010 ug/l	0.0078 ug/l 0.0077 ug/l	< 6 ug/l < 6 ug/l
W128	**1/19/1988**	**N**	--	< 0.001 ug/l	0.0045 ug/l	< 6 ug/l
W128	**6/29/1988**	**N**	--	< 0.0010 ug/l	0.0027 s ug/l	< 6 ug/l
W128	**8/30/1988**	**N**	--	< 0.0010 ug/l	0.0035 s ug/l	< 6 ug/l
W128	**12/15/1988**	**N**	--	< 0.0010 ug/l	0.027 s ug/l	< 6 ug/l
W128	**3/28/1989**	**N**	--	< 0.0010 ug/l < 0.0010 ug/l	0.0026 ug/l 0.0039 ug/l	< 30 ug/l
W128	**6/27/1989**	**N**	--	< 0.0010 ug/l	0.0028 s ug/l	< 6 ug/l
W128	**8/31/1989**	**N**	--	< 0.0010 ug/l	0.0031 s ug/l	< 6 ug/l
W128	**12/13/1989**	**N**	--	< 0.0010 ug/l	0.0019 ps ug/l	< 6 ug/l
W128	**3/5/1990**	**N**	--	< 0.0010 ug/l	0.0049 ug/l	< 6 ug/l
W128	**6/28/1990**	**N**	--	< 0.0010 ug/l	0.0035 s ug/l	< 6 ug/l
W128	**6/18/1991**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
W128	**12/18/1991**	**N**	--	< 0.0030 ug/l	0.0070 b ug/l	< 6 ug/l
W128	**5/27/1992**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
W128	**12/10/1992**	**N**	--	0.0031 ug/l	< 0.0040 ug/l	< 6 ug/l
W128	**6/3/1993**	**N**	--	< 0.00300 ug/l	0.00414 b ug/l	< 6 ug/l
W128	**11/2/1993**	**N**	--	< 0.00300 ug/l	0.00759 b ug/l	< 6 ug/l
W128	**6/15/1994**	**N**	--	< 0.003 ug/l	0.018 ug/l	< 3 ug/l
W128	**8/24/1994**	**N**	--	< 0.003 ug/l < 0.003 ug/l	0.005 b ug/l 0.006 b ug/l	--
W128	**12/1/1994**	**N**	--	< 0.003 ug/l	0.004 b ug/l	< 3 ug/l
W128	**6/7/1995**	**N**	--	< 0.003 ug/l	0.003 b ug/l	< 3 ug/l
W128	**11/7/1995**	**N**	--	< 0.012 ug/l	< 0.012 ug/l	< 3 ug/l
W128	**6/5/1996**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W128	**6/4/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W128	**4/30/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 0.50 ug/l
W128	**5/13/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 h ug/l
W128	**4/3/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W128	**4/21/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W128	**5/4/2002**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 3.0 ug/l
W128	**5/7/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W128	**4/24/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.98 ug/l
W128	**5/10/2005**	**N**	0.022 ug/l	< 0.022 ug/l	< 0.022 ug/l	< 0.50 ug/l
W128	**9/3/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W128	**5/9/2007**	**N**	0.0041 ug/l	< 0.0044 ug/l	< 0.0066 ug/l	< 0.13 ug/l
W128	**5/17/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.092 ug/l	< 0.080 ug/l
W128	**5/11/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.028 ug/l	< 0.16 ug/l
W128	**4/22/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.055 ug/l	< 0.16 ug/l
W128	**5/1/2011**	**N**	0.0035 ug/l	< 0.0044 ug/l	0.026 ug/l	< 0.070 ug/l
W128	**4/28/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.092 ug/l	< 0.16 ug/l
W129	**8/27/1992**	**N**	--	< 0.0030 ug/l	0.012 b ug/l	< 6 ug/l
W129	**12/10/1992**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l

Table 20
Groundwater Quality Data Over Time
OU2 - Containment Vault Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		0.05 ug/l		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W129	**6/3/1993**	**N**	--	< 0.00300 ug/l	0.00407 b ug/l	< 6 ug/l
W129	**11/2/1993**	**N**	--	< 0.00300 ug/l	0.00518 b ug/l	< 6 ug/l
W129	**6/15/1994**	**N**	--	< 0.003 ug/l	0.003 ug/l	< 3 ug/l
W129	**12/1/1994**	**N**	--	< 0.003 ug/l < 0.003 ug/l	0.003 b ug/l 0.004 b ug/l	< 3 ug/l < 3 ug/l
W129	**6/7/1995**	**N**	--	< 0.003 ug/l	0.003 b ug/l	< 3 ug/l
W129	**11/9/1995**	**N**	--	< 0.030 ug/l	< 0.030 ug/l	< 3 ug/l
W129	**6/5/1996**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W129	**6/4/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W129	**4/30/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 0.50 ug/l
W129	**5/13/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 h ug/l
W129	**4/3/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W129	**4/21/2001**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W129	**5/4/2002**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 3.1 ug/l
W129	**5/7/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W129	**4/24/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.99 ug/l
W129	**5/11/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
W129	**9/3/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	0.010 j ug/l	< 0.13 ug/l
W129	**5/9/2007**	**N**	0.0041 ug/l	< 0.0044 ug/l	< 0.0066 ug/l	< 0.13 ug/l
W129	**5/17/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.027 ug/l	< 0.080 ug/l
W129	**5/11/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.033 ug/l	< 0.16 ug/l
W129	**4/22/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.050 ug/l	< 0.16 ug/l
W129	**5/2/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.015 j ug/l	< 0.070 ug/l
W129	**4/28/2012**	**N**	0.0035 ug/l	< 0.0043 ug/l	< 0.090 ug/l	< 0.16 ug/l
W130	**8/27/1992**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
W130	**12/10/1992**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
W130	**2/9/1993**	**N**	--	< 0.00300 ug/l < 0.00300 ug/l	0.00455 ug/l < 0.00400 ug/l	--
W130	**6/3/1993**	**N**	--	< 0.00600 ug/l	< 0.00800 ug/l	< 6 ug/l
W130	**11/2/1993**	**N**	--	< 0.00300 ug/l	0.00570 b ug/l	< 6 ug/l
W130	**6/15/1994**	**N**	--	< 0.003 ug/l	0.004 ug/l	< 3 ug/l
W130	**12/1/1994**	**N**	--	< 0.003 ug/l	0.005 b ug/l	< 3 ug/l
W130	**6/7/1995**	**N**	--	< 0.003 ug/l	0.003 b ug/l	< 3 ug/l
W130	**11/9/1995**	**N**	--	< 0.030 ug/l	< 0.030 ug/l	< 3 ug/l
W130	**6/5/1996**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W130	**6/4/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W130	**4/30/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 5 j ug/l
W130	**5/13/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 h ug/l
W130	**4/3/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W130	**4/21/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W130	**5/4/2002**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 3.0 ug/l
W130	**5/7/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W130	**4/24/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.98 ug/l
W130	**5/10/2005**	**N**	0.022 ug/l	< 0.022 ug/l	< 0.022 ug/l	< 0.50 ug/l
W130	**9/3/2006**	**N**	0.0043 ug/l	< 0.0046 ug/l	0.0078 j ug/l	< 0.13 ug/l
W130	**5/9/2007**	**N**	0.0042 ug/l	< 0.0045 ug/l	< 0.0088 ug/l	< 0.13 ug/l
W130	**5/16/2008**	**N**	0.0036 ug/l	< 0.0046 ug/l	< 0.086 ug/l	< 0.080 ug/l
W130	**5/10/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.11 ug/l	< 0.16 ug/l
W130	**4/21/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.17 ug/l	< 0.16 ug/l
W130	**5/2/2011**	**N**	0.0035 ug/l	< 0.0044 ug/l	0.021 ug/l	< 0.070 ug/l

Table 20
Groundwater Quality Data Over Time
OU2 - Containment Vault Area
St. Regis Paper Company and City Dump Pit Sites

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		0.05 ug/l		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W130	**4/27/2012**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.085 ug/l	< 0.16 ug/l
W130	**4/27/2012**	**FD**	0.0035 ug/l	< 0.0043 ug/l	0.10 ug/l	< 0.16 ug/l
W324	**11/12/2009**	**N**	0.0035 a ug/l	< 0.0043 ug/l	0.030 ug/l	< 0.16 ug/l
W324	**4/22/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.048 ug/l	< 0.16 ug/l
W324	**5/1/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.016 j ug/l	< 0.070 ug/l
W324	**4/28/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.12 ug/l	< 0.16 ug/l
W329	**11/12/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.032 ug/l	< 0.16 ug/l
W329	**4/24/2010**	**N**	0.0037 a ug/l	< 0.0043 ug/l	0.13 ug/l	< 0.16 ug/l
W329	**5/2/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.015 j ug/l	< 0.070 ug/l
W329	**4/28/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.095 ug/l	< 0.16 ug/l
W330	**11/12/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.048 ug/l	< 0.16 ug/l
W330	**4/21/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.13 ug/l	< 0.16 ug/l
W330	**5/2/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.051 ug/l	< 0.070 ug/l
W330	**4/27/2012**	**N**	0.0035 ug/l	< 0.0043 ug/l	< 0.11 ug/l	< 0.16 ug/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 21
Groundwater Quality Data-Top of Surficial Aquifer
OU3-City Dump Area
St. Regis Paper Company Site

		Sys Loc Code	W2106		W2127	W2128	W2128	W2129	W2134
		Sample Date	5/7/2012		5/5/2012	5/7/2012	10/22/2012	5/5/2012	5/4/2012
		Sample Type Code	N	FD	N	N	N	N	N
Chemical Name	Drinking Water Criteria	Intervention Limits							
Exceedance Key	**Bold**	Underline							
SVOCs									
Benz(a)anthracene			< 0.60 ug/l	< 0.59 ug/l	< 0.0026 ug/l	< 0.0040 ug/l	< 0.0026 ug/l	< 0.0035 ug/l	< 0.0027 ug/l
Chrysene			< 0.80 ug/l	< 0.79 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0036 ug/l
Benzo(b)fluoranthene			< 0.59 ug/l	< 0.58 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0041 ug/l	< 0.0023 ug/l	< 0.0024 ug/l
Benzo(k)fluoranthene			< 0.84 ug/l	< 0.83 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0030 ug/l	< 0.0025 ug/l	< 0.0026 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.66 ug/l	< 0.65 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0045 ug/l
Indeno(1,2,3-cd)pyrene			< 0.69 ug/l	< 0.68 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0027 ug/l
Dibenz(a,h)anthracene			< 0.76 ug/l	< 0.75 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0026 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l		0.68 ug/l	0.67 ug/l	0.0034 ug/l	0.0034 ug/l	0.0035 ug/l	0.0034 ug/l	0.0035 ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l		ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l
2-Methylnaphthalene			76 ug/l	68 ug/l	< 0.0023 ug/l	0.092 ug/l	0.053 ug/l	< 0.0023 ug/l	< 0.0044 ug/l
Acenaphthene	400 ug/l		74 ug/l	72 ug/l	< 0.0044 ug/l	0.21 ug/l	0.19 ug/l	< 0.0044 ug/l	< 0.0046 ug/l
Acenaphthylene			5.2 j ug/l	5.7 j ug/l	< 0.0034 ug/l	< 0.0045 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0036 ug/l
Anthracene	2000 ug/l	0.035 ug/l	8.8 j ug/l	7.3 j ug/l	< 0.0036 ug/l	0.0072 j ug/l	< 0.0036 ug/l	< 0.0036 ug/l	< 0.0038 ug/l
Benzo(g,h,i)perylene			< 0.82 ug/l	< 0.81 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0030 ug/l
Fluoranthene	300 ug/l		< 0.66 ug/l	< 0.65 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.010 ug/l	< 0.0044 ug/l	< 0.0046 ug/l
Fluorene	300 ug/l		39 ug/l	38 ug/l	< 0.0038 ug/l	0.041 ug/l	0.037 ug/l	< 0.0038 ug/l	< 0.0040 ug/l
Naphthalene	**300 ug/l**		**390 ug/l**	260 ug/l	< 0.11 ug/l	1.5 ug/l	1.2 ug/l	< 0.0059 ug/l	< 0.021 ug/l
Phenanthrene			14 ug/l	14 ug/l	< 0.0050 ug/l	< 0.0081 ug/l	< 0.0050 ug/l	< 0.0050 ug/l	< 0.0052 ug/l
Pyrene	200 ug/l		< 0.74 ug/l	< 0.73 ug/l	< 0.0035 ug/l	< 0.0035 ug/l	< 0.0053 ug/l	< 0.0035 ug/l	< 0.0037 ug/l
1,6-Dinitropyrene			--	--	--	< 6.5 ng/l	--	--	--
1,8-Dinitropyrene			--	--	--	< 7.9 ng/l	--	--	--
1-Nitropyrene			--	--	--	< 2.4 ng/l	--	--	--
2-Nitrofluorene			--	--	--	< 4.7 ng/l	--	--	--
3-Methylcholanthrene			--	--	--	< 5.5 ng/l	--	--	--
5-Methylchrysene			--	--	--	< 0.82 ng/l	--	--	--
5-Nitroacenapthene			--	--	--	< 5.8 ng/l	--	--	--
6-Nitrochrysene			--	--	--	< 0.98 ng/l	--	--	--
7,12-Dimethylbenz(a)anthracene			--	--	--	< 1.1 ng/l	--	--	--
7h-Dibenzo(c,g)carbazole			--	--	--	< 0.99 ng/l	--	--	--
Benzo(b&j)fluoranthene			--	--	--	< 1.2 ng/l	--	--	--
Dibenz(a,h)acridine			--	--	--	< 1.5 ng/l	--	--	--
Dibenz(a,j)acridine			--	--	--	< 0.83 ng/l	--	--	--
Dibenzo(a,e)pyrene			--	--	--	< 1.7 ng/l	--	--	--
Dibenzo(a,l)pyrene			--	--	--	< 1.3 ng/l	--	--	--
Dibenzo(a,h)pyrene			--	--	--	< 1.0 ng/l	--	--	--
Dibenzo(a,i)pyrene			--	--	--	< 1.2 ng/l	--	--	--
Pentachlorophenol	**1 ug/l**	5.5 ug/l	**12000 ug/l**	**10000 ug/l**	< 0.16 ug/l	**1.8 ug/l**	**1.4 ug/l**	< 0.16 ug/l	< 0.16 ug/l

Table 21
Groundwater Quality Data-Top of Surficial Aquifer
OU3-City Dump Area
St. Regis Paper Company Site

		Sys Loc Code	W2106		W2127	W2128	W2128	W2129	W2134
		Sample Date	5/7/2012		5/5/2012	5/7/2012	10/22/2012	5/5/2012	5/4/2012
		Sample Type Code	N	FD	N	N	N	N	N
Chemical Name	Drinking Water Criteria	Intervention Limits							
Exceedance Key	**Bold**	Underline							
Total Petroleum Hydrocarbons									
Diesel Range Organics-silica gel cleanup		200 ug/l	--	--	--	< 220 ug/l	< 18 ug/l	--	--
VOCs									
Benzene		114 ug/l	--	--	--	< 0.062 ug/l	< 0.062 ug/l	--	--
Ethyl benzene		68 ug/l	--	--	--	< 0.050 ug/l	< 0.050 ug/l	--	--
Toluene		253 ug/l	--	--	--	< 0.054 ug/l	< 0.10 ug/l	--	--
Xylene, m & p		166 ug/l	--	--	--	< 0.11 ug/l	< 0.11 ug/l	--	--
Xylene, o		166 ug/l	--	--	--	< 0.074 ug/l	< 0.074 ug/l	--	--
Chlorinated Dioxins / Furans									
2,3,7,8-Dioxin, tetra		0.0038 pg/l	< 0.553 pg/l	< 0.704 pg/l	--	< 0.236 pg/l	< 0.553 pg/l	--	--
1,2,3,7,8-Dioxin, penta		0.0084 pg/l	< 0.554 pg/l	< 0.580 pg/l	--	< 0.165 pg/l	< 0.335 pg/l	--	--
1,2,3,4,7,8-Dioxin, hexa		0.1267 pg/l	< 0.607 pg/l	< 0.498 pg/l	--	< 0.253 pg/l	< 0.665 pg/l	--	--
1,2,3,6,7,8-Dioxin, hexa		0.38 pg/l	< 4.67 pg/l	< 4.01 pg/l	--	< 0.185 pg/l	< 0.635 pg/l	--	--
1,2,3,7,8,9-Dioxin, hexa		0.38 pg/l	1.03 j pg/l	2.05 j pg/l	--	< 0.222 pg/l	< 0.636 pg/l	--	--
1,2,3,4,6,7,8-Dioxin, hepta		7.6 pg/l	230 pg/l	215 pg/l	--	< 0.623 pg/l	< 4.96 pg/l	--	--
Dioxin, octa		380 pg/l	3760 pg/l	3520 pg/l	--	< 3.73 pg/l	< 27.5 pg/l	--	--
2,3,7,8-Dibenzofuran, tetra		0.0475 pg/l	< 0.411 pg/l	< 0.576 pg/l	--	< 0.127 pg/l	< 0.544 pg/l	--	--
1,2,3,7,8-Dibenzofuran, penta		0.38 pg/l	< 0.507 pg/l	< 0.441 pg/l	--	< 0.168 pg/l	< 0.386 pg/l	--	--
2,3,4,7,8-Dibenzofuran, penta		0.00475 pg/l	< 0.539 pg/l	< 0.468 pg/l	--	< 0.177 pg/l	< 0.394 pg/l	--	--
1,2,3,4,7,8-Dibenzofuran, hexa		0.475 pg/l	2.73 j pg/l	2.80 j pg/l	--	< 0.0960 pg/l	0.773 EMPC pg/l	--	--
1,2,3,6,7,8-Dibenzofuran, hexa		0.19 pg/l	0.723 j pg/l	< 0.307 pg/l	--	< 0.0681 pg/l	< 0.260 pg/l	--	--
1,2,3,7,8,9-Dibenzofuran, hexa		0.0633 pg/l	< 0.356 pg/l	< 0.415 pg/l	--	< 0.118 pg/l	< 0.413 pg/l	--	--
2,3,4,6,7,8-Dibenzofuran, hexa		0.0543 pg/l	0.359 EMPC pg/l	< 0.351 pg/l	--	< 0.0920 pg/l	< 0.310 pg/l	--	--
1,2,3,4,6,7,8-Dibenzofuran, hepta		38 pg/l	40.4 pg/l	37.1 pg/l	--	< 0.137 pg/l	< 0.673 pg/l	--	--
1,2,3,4,7,8,9-Dibenzofuran, hepta		0.95 pg/l	4.89 j pg/l	3.58 EMPC pg/l	--	< 0.202 pg/l	< 0.923 pg/l	--	--
Dibenzofuran, octa		190 pg/l	378 pg/l	363 pg/l	--	< 0.319 pg/l	< 2.42 pg/l	--	--
TCDD Equivalent, reporting limit at 1/2, TEF 2005 (EMPC @ 1)[3]			5.42 JEMPC pg/l	5.23 JEMPC pg/l	--	0.293 pg/l	0.797 EMPC pg/l	--	--
TCDD Equivalent, reporting limit at 0, TEF 2005 (EMPC @ 1)[4]			4.48 JEMPC pg/l	4.21 JEMPC pg/l	--	ND pg/l	0.0773 EMPC pg/l	--	--

-Data qualifiers and footnotes are detailed in Table 38.

Table 21
Groundwater Quality Data-Top of Surficial Aquifer
OU3-City Dump Area
St. Regis Paper Company Site

		Sys Loc Code	**W2135**	**W2140**
		Sample Date	**5/4/2012**	**5/7/2012**
		Sample Type Code	**N**	**N**
Chemical Name	Drinking Water Criteria	Intervention Limits		
Exceedance Key	**Bold**	Underline		
SVOCs				
Benz(a)anthracene			< 0.0026 ug/l	< 0.0085 ug/l
Chrysene			< 0.0034 ug/l	0.0059 j ug/l
Benzo(b)fluoranthene			< 0.0023 ug/l	< 0.0023 ug/l
Benzo(k)fluoranthene			< 0.0025 ug/l	< 0.0025 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0043 ug/l	< 0.0043 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0026 ug/l	< 0.0026 ug/l
Dibenz(a,h)anthracene			< 0.0025 ug/l	< 0.0025 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l		0.0034 ug/l	0.0037 a ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l		ND ug/l	0.000060 a ug/l
2-Methylnaphthalene			< 0.0023 ug/l	0.12 ug/l
Acenaphthene	400 ug/l		< 0.0044 ug/l	1.1 ug/l
Acenaphthylene			< 0.0034 ug/l	0.035 ug/l
Anthracene	2000 ug/l	0.035 ug/l	< 0.0036 ug/l	0.15 ug/l
Benzo(g,h,i)perylene			< 0.0029 ug/l	< 0.0029 ug/l
Fluoranthene	300 ug/l		< 0.0044 ug/l	0.017 j ug/l
Fluorene	300 ug/l		< 0.0038 ug/l	0.91 ug/l
Naphthalene	**300 ug/l**		< 0.0041 ug/l	0.21 ug/l
Phenanthrene			< 0.0050 ug/l	0.060 ug/l
Pyrene	200 ug/l		< 0.0035 ug/l	0.013 j ug/l
1,6-Dinitropyrene			--	--
1,8-Dinitropyrene			--	--
1-Nitropyrene			--	--
2-Nitrofluorene			--	--
3-Methylcholanthrene			--	--
5-Methylchrysene			--	--
5-Nitroacenapthene			--	--
6-Nitrochrysene			--	--
7,12-Dimethylbenz(a)anthracene			--	--
7h-Dibenzo(c,g)carbazole			--	--
Benzo(b&j)fluoranthene			--	--
Dibenz(a,h)acridine			--	--
Dibenz(a,j)acridine			--	--
Dibenzo(a,e)pyrene			--	--
Dibenzo(a,l)pyrene			--	--
Dibenzo(a,h)pyrene			--	--
Dibenzo(a,i)pyrene			--	--
Pentachlorophenol	**1 ug/l**	5.5 ug/l	< 0.16 ug/l	**350 ug/l**

Table 21
Groundwater Quality Data-Top of Surficial Aquifer
OU3-City Dump Area
St. Regis Paper Company Site

		Sys Loc Code	**W2135**	**W2140**
		Sample Date	**5/4/2012**	**5/7/2012**
		Sample Type Code	**N**	**N**
Chemical Name	Drinking Water Criteria	Intervention Limits		
Exceedance Key	**Bold**	Underline		
Total Petroleum Hydrocarbons				
Diesel Range Organics-silica gel cleanup		200 ug/l	--	< 350 AT ug/l
VOCs				
Benzene		114 ug/l	--	0.45 j ug/l
Ethyl benzene		68 ug/l	--	0.68 ug/l
Toluene		253 ug/l	--	< 0.26 ug/l
Xylene, m & p		166 ug/l	--	0.31 j ug/l
Xylene, o		166 ug/l	--	0.39 j ug/l
Chlorinated Dioxins / Furans				
2,3,7,8-Dioxin, tetra		0.0038 pg/l	--	< 0.198 pg/l
1,2,3,7,8-Dioxin, penta		0.0084 pg/l	--	< 0.208 pg/l
1,2,3,4,7,8-Dioxin, hexa		0.1267 pg/l	--	< 0.363 pg/l
1,2,3,6,7,8-Dioxin, hexa		0.38 pg/l	--	< 0.266 pg/l
1,2,3,7,8,9-Dioxin, hexa		0.38 pg/l	--	< 0.318 pg/l
1,2,3,4,6,7,8-Dioxin, hepta		7.6 pg/l	--	< 3.09 pg/l
Dioxin, octa		380 pg/l	--	30.8 j pg/l
2,3,7,8-Dibenzofuran, tetra		0.0475 pg/l	--	< 0.196 pg/l
1,2,3,7,8-Dibenzofuran, penta		0.38 pg/l	--	< 0.162 pg/l
2,3,4,7,8-Dibenzofuran, penta		0.00475 pg/l	--	< 0.172 pg/l
1,2,3,4,7,8-Dibenzofuran, hexa		0.475 pg/l	--	0.214 EMPC pg/l
1,2,3,6,7,8-Dibenzofuran, hexa		0.19 pg/l	--	< 0.0930 pg/l
1,2,3,7,8,9-Dibenzofuran, hexa		0.0633 pg/l	--	< 0.161 pg/l
2,3,4,6,7,8-Dibenzofuran, hexa		0.0543 pg/l	--	< 0.126 pg/l
1,2,3,4,6,7,8-Dibenzofuran, hepta		38 pg/l	--	< 0.255 pg/l
1,2,3,4,7,8,9-Dibenzofuran, hepta		0.95 pg/l	--	< 0.379 pg/l
Dibenzofuran, octa		190 pg/l	--	2.50 j pg/l
TCDD Equivalent, reporting limit at 1/2, TEF 2005 (EMPC @ 1)[3]			--	0.357 JEMPC pg/l
TCDD Equivalent, reporting limit at 0, TEF 2005 (EMPC @ 1)[4]			--	0.0314 JEMPC pg/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 22
Groundwater Quality Data-Base of Surficial Aquifer
OU3-City Dump Area
St. Regis Paper Company Site

		Sys Loc Code	W2228	W2233	W2233	W2233	W2234	W2236
		Sample Date	5/7/2012	3/19/2012	5/5/2012	10/22/2012	5/4/2012	3/20/2012
		Sample Type Code	N	N	N	N	N	N
Chemical Name	Drinking Water Criteria	Intervention Limits						
Exceedance Key	**Bold**	Underline						
SVOCs								
Benz(a)anthracene			< 0.0034 ug/l	< 0.0026 ug/l	< 0.0041 ug/l	< 0.0026 ug/l	< 0.0027 ug/l	< 0.0026 ug/l
Chrysene			< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0035 ug/l	< 0.0034 ug/l
Benzo(b)fluoranthene			< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0041 ug/l	< 0.0024 ug/l	< 0.0023 ug/l
Benzo(k)fluoranthene			< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0030 ug/l	< 0.0026 ug/l	< 0.0025 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0044 ug/l	< 0.0043 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0027 ug/l	< 0.0026 ug/l
Dibenz(a,h)anthracene			< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0026 ug/l	< 0.0025 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l		0.0034 ug/l	0.0034 ug/l	0.0034 ug/l	0.0035 ug/l	0.0035 ug/l	0.0034 ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l		ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l
2-Methylnaphthalene			< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	0.0067 j ug/l	< 0.0024 ug/l	< 0.0028 ug/l
Acenaphthene	400 ug/l		< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0045 ug/l	< 0.0044 ug/l
Acenaphthylene			< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0035 ug/l	< 0.0034 ug/l
Anthracene	2000 ug/l	0.035 ug/l	< 0.0036 ug/l	0.0093 j ug/l	0.0082 j ug/l	0.0044 j ug/l	< 0.0037 ug/l	< 0.0036 ug/l
Benzo(g,h,i)perylene			< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0030 ug/l	< 0.0029 ug/l
Fluoranthene	300 ug/l		< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.010 ug/l	< 0.0045 ug/l	< 0.0044 ug/l
Fluorene	300 ug/l		< 0.0038 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	< 0.0039 ug/l	< 0.0038 ug/l
Naphthalene	300 ug/l		0.017 j ug/l	< 0.032 ug/l	< 0.10 ug/l	0.024 ug/l	< 0.045 ug/l	< 0.051 ug/l
Phenanthrene			< 0.0050 ug/l	< 0.0050 ug/l	0.0053 j ug/l	< 0.0050 ug/l	< 0.0051 ug/l	< 0.0050 ug/l
Pyrene	200 ug/l		< 0.0035 ug/l	< 0.0035 ug/l	< 0.0035 ug/l	< 0.0053 ug/l	< 0.0036 ug/l	< 0.0035 ug/l
Pentachlorophenol	**1 ug/l**	5.5 ug/l	< 0.38 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l
Total Petroleum Hydrocarbons								
Diesel Range Organics-silica gel cleanup		200 ug/l	< 50 ug/l	< 24 ug/l	< 16 ug/l	< 15 ug/l	--	< 20 ug/l
VOCs								
Benzene		114 ug/l	< 0.062 ug/l	< 0.062 ug/l	< 0.062 ug/l	< 0.062 ug/l	--	< 0.062 ug/l
Ethyl benzene		68 ug/l	< 0.050 ug/l	< 0.050 ug/l	< 0.050 ug/l	< 0.050 ug/l	--	< 0.050 ug/l
Toluene		253 ug/l	< 0.054 ug/l	< 0.070 ug/l	< 0.054 ug/l	< 0.11 ug/l	--	< 0.070 ug/l
Xylene, m & p		166 ug/l	< 0.11 ug/l	< 0.11 ug/l	< 0.11 ug/l	< 0.11 ug/l	--	< 0.11 ug/l
Xylene, o		166 ug/l	0.10 j ug/l	< 0.074 ug/l	< 0.074 ug/l	< 0.074 ug/l	--	< 0.074 ug/l

Table 22
Groundwater Quality Data-Base of Surficial Aquifer
OU3-City Dump Area
St. Regis Paper Company Site

		Sys Loc Code	W2228	W2233	W2233	W2233	W2234	W2236
		Sample Date	5/7/2012	3/19/2012	5/5/2012	10/22/2012	5/4/2012	3/20/2012
		Sample Type Code	N	N	N	N	N	N
Chemical Name	Drinking Water Criteria	Intervention Limits						
Exceedance Key	**Bold**	Underline						
Chlorinated Dioxins / Furans								
2,3,7,8-Dioxin, tetra		0.0038 pg/l	< 0.277 pg/l	< 0.751 pg/l	< 0.916 pg/l	< 0.540 pg/l	--	< 0.375 pg/l
1,2,3,7,8-Dioxin, penta		0.0084 pg/l	< 0.247 pg/l	< 0.758 pg/l	< 0.564 pg/l	< 0.306 pg/l	--	< 0.241 pg/l
1,2,3,4,7,8-Dioxin, hexa		0.1267 pg/l	< 0.360 pg/l	< 0.638 pg/l	< 0.627 pg/l	< 0.779 pg/l	--	< 0.354 pg/l
1,2,3,6,7,8-Dioxin, hexa		0.38 pg/l	< 0.264 pg/l	< 0.586 pg/l	< 0.551 pg/l	< 0.754 pg/l	--	< 0.325 pg/l
1,2,3,7,8,9-Dioxin, hexa		0.38 pg/l	< 0.316 pg/l	< 0.582 pg/l	< 0.559 pg/l	< 0.750 pg/l	--	< 0.324 pg/l
1,2,3,4,6,7,8-Dioxin, hepta		7.6 pg/l	< 0.254 pg/l	< 2.77 pg/l	< 1.26 pg/l	< 5.10 pg/l	--	< 2.54 pg/l
Dioxin, octa		380 pg/l	< 4.66 pg/l	< 21.6 pg/l	< 4.88 pg/l	< 20.0 pg/l	--	< 23.7 pg/l
2,3,7,8-Dibenzofuran, tetra		0.0475 pg/l	< 0.247 pg/l	< 0.457 pg/l	< 0.742 pg/l	< 0.684 pg/l	--	< 0.236 pg/l
1,2,3,7,8-Dibenzofuran, penta		0.38 pg/l	< 0.228 pg/l	< 0.554 pg/l	< 0.341 pg/l	< 0.406 pg/l	--	< 0.332 pg/l
2,3,4,7,8-Dibenzofuran, penta		0.00475 pg/l	< 0.241 pg/l	< 0.577 pg/l	< 0.362 pg/l	< 0.420 pg/l	--	< 0.346 pg/l
1,2,3,4,7,8-Dibenzofuran, hexa		0.475 pg/l	< 0.190 pg/l	< 0.548 pg/l	< 0.267 pg/l	< 0.288 pg/l	--	0.422 EMPC pg/l
1,2,3,6,7,8-Dibenzofuran, hexa		0.19 pg/l	< 0.134 pg/l	< 0.500 pg/l	< 0.238 pg/l	< 0.268 pg/l	--	< 0.200 pg/l
1,2,3,7,8,9-Dibenzofuran, hexa		0.0633 pg/l	< 0.233 pg/l	< 0.617 pg/l	< 0.322 pg/l	< 0.432 pg/l	--	< 0.248 pg/l
2,3,4,6,7,8-Dibenzofuran, hexa		0.0543 pg/l	< 0.183 pg/l	< 0.571 pg/l	< 0.273 pg/l	< 0.313 pg/l	--	< 0.229 pg/l
1,2,3,4,6,7,8-Dibenzofuran, hepta		38 pg/l	< 0.365 pg/l	< 1.16 pg/l	< 0.356 pg/l	< 1.33 pg/l	--	< 0.343 pg/l
1,2,3,4,7,8,9-Dibenzofuran, hepta		0.95 pg/l	< 0.543 pg/l	< 1.50 pg/l	< 0.481 pg/l	< 0.712 pg/l	--	< 0.443 pg/l
Dibenzofuran, octa		190 pg/l	< 0.511 pg/l	< 7.84 pg/l	< 1.36 pg/l	< 1.99 pg/l	--	< 9.37 pg/l
TCDD Equivalent, reporting limit at 1/2, TEF 2005 (EMPC @ 1)[3]			0.405 pg/l	1.11 pg/l	0.990 pg/l	0.745 pg/l	--	0.524 EMPC pg/l
TCDD Equivalent, reporting limit at 0, TEF 2005 (EMPC @ 1)[4]			ND pg/l	ND pg/l	ND pg/l	ND pg/l	--	0.0422 EMPC pg/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 22
Groundwater Quality Data-Base of Surficial Aquifer
OU3-City Dump Area
St. Regis Paper Company Site

		Sys Loc Code	W2236	W2236	W2237R	W2238		W2239
		Sample Date	5/6/2012	10/22/2012	5/8/2012	5/8/2012		5/5/2012
		Sample Type Code	N	N	N	N	FD	N
Chemical Name	Drinking Water Criteria	Intervention Limits						
Exceedance Key	**Bold**	Underline						
SVOCs								
Benz(a)anthracene			< 0.0044 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.014 ug/l	< 0.018 ug/l	< 0.0033 ug/l
Chrysene			< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0088 ug/l	< 0.012 ug/l	< 0.0035 ug/l
Benzo(b)fluoranthene			< 0.0023 ug/l	< 0.0041 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0057 ug/l	< 0.0024 ug/l
Benzo(k)fluoranthene			< 0.0025 ug/l	< 0.0030 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0066 ug/l	< 0.0026 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	0.0046 j ug/l	< 0.0044 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0098 ug/l	< 0.0027 ug/l
Dibenz(a,h)anthracene			< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0082 ug/l	< 0.0026 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l		0.0035 ug/l	0.0035 ug/l	0.0034 ug/l	0.0040 ug/l	0.0090 a ug/l	0.0035 ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l		ND ug/l	ND ug/l	ND ug/l	ND ug/l	0.0046 a ug/l	ND ug/l
2-Methylnaphthalene			< 0.011 ug/l	< 0.0038 ug/l	< 0.0023 ug/l	36 ug/l	37 ug/l	< 0.0028 ug/l
Acenaphthene	400 ug/l		0.0062 j ug/l	< 0.0044 ug/l	< 0.0044 ug/l	30 ug/l	29 ug/l	< 0.0045 ug/l
Acenaphthylene			< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	0.21 * ug/l	0.20 * ug/l	< 0.0035 ug/l
Anthracene	2000 ug/l	0.035 ug/l	< 0.0036 ug/l	< 0.0036 ug/l	< 0.0036 ug/l	1.1 ug/l	1.1 ug/l	< 0.0037 ug/l
Benzo(g,h,i)perylene			< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	0.0058 j ug/l	< 0.0030 ug/l
Fluoranthene	300 ug/l		< 0.0044 ug/l	< 0.010 ug/l	< 0.0044 ug/l	1.1 ug/l	1.0 ug/l	< 0.0045 ug/l
Fluorene	300 ug/l		0.0050 j ug/l	< 0.0038 ug/l	< 0.0038 ug/l	18 ug/l	18 ug/l	< 0.0039 ug/l
Naphthalene	300 ug/l		< 0.079 ug/l	< 0.097 ug/l	< 0.10 ug/l	260 ug/l	290 ug/l	< 0.095 ug/l
Phenanthrene			0.0074 j ug/l	< 0.0050 ug/l	< 0.0050 ug/l	13 ug/l	13 ug/l	< 0.0052 ug/l
Pyrene	200 ug/l		< 0.0035 ug/l	< 0.0053 ug/l	< 0.0035 ug/l	0.44 ug/l	0.43 ug/l	< 0.0036 ug/l
Pentachlorophenol	**1 ug/l**	5.5 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	**4.3 ug/l**	**4.7 ug/l**	< 0.16 ug/l
Total Petroleum Hydrocarbons								
Diesel Range Organics-silica gel cleanup		200 ug/l	44 j ug/l	< 16 ug/l	< 68 ug/l	500 AT ug/l	510 AT ug/l	260 ug/l
VOCs								
Benzene		114 ug/l	< 0.062 ug/l	< 0.062 ug/l	< 0.062 ug/l	< 0.062 ug/l	< 0.062 ug/l	< 0.062 ug/l
Ethyl benzene		68 ug/l	0.050 j ug/l	< 0.050 ug/l	< 0.050 ug/l	0.23 j ug/l	0.25 j ug/l	< 0.050 ug/l
Toluene		253 ug/l	0.16 ug/l	< 0.054 ug/l	< 0.054 ug/l	< 0.060 ug/l	< 0.090 ug/l	0.090 ug/l
Xylene, m & p		166 ug/l	< 0.11 ug/l	< 0.11 ug/l	< 0.11 ug/l	< 0.54 ug/l	< 0.52 ug/l	< 0.11 ug/l
Xylene, o		166 ug/l	0.14 j ug/l	< 0.074 ug/l	< 0.074 ug/l	0.48 j ug/l	0.44 j ug/l	< 0.074 ug/l

Table 22
Groundwater Quality Data-Base of Surficial Aquifer
OU3-City Dump Area
St. Regis Paper Company Site

		Sys Loc Code	W2236	W2236	W2237R	W2238		W2239
		Sample Date	5/6/2012	10/22/2012	5/8/2012	5/8/2012		5/5/2012
		Sample Type Code	N	N	N	N	FD	N
Chemical Name	Drinking Water Criteria	Intervention Limits						
Exceedance Key	**Bold**	Underline						
Chlorinated Dioxins / Furans								
2,3,7,8-Dioxin, tetra		0.0038 pg/l	< 1.41 pg/l	< 1.23 pg/l	< 0.146 pg/l	< 0.204 pg/l	--	< 1.27 pg/l
1,2,3,7,8-Dioxin, penta		0.0084 pg/l	< 1.47 pg/l	< 1.05 pg/l	< 0.125 pg/l	< 0.141 pg/l	--	< 0.852 pg/l
1,2,3,4,7,8-Dioxin, hexa		0.1267 pg/l	< 1.41 pg/l	< 1.31 pg/l	< 0.130 pg/l	< 0.283 pg/l	--	< 0.737 pg/l
1,2,3,6,7,8-Dioxin, hexa		0.38 pg/l	< 1.24 pg/l	< 1.24 pg/l	< 0.127 pg/l	< 0.207 pg/l	--	< 0.648 pg/l
1,2,3,7,8,9-Dioxin, hexa		0.38 pg/l	< 1.26 pg/l	< 1.21 pg/l	< 0.124 pg/l	< 0.249 pg/l	--	< 0.657 pg/l
1,2,3,4,6,7,8-Dioxin, hepta		7.6 pg/l	< 2.89 pg/l	< 5.43 pg/l	< 0.837 pg/l	< 1.18 pg/l	--	< 2.09 pg/l
Dioxin, octa		380 pg/l	< 23.4 pg/l	< 21.2 pg/l	< 6.45 pg/l	< 12.3 pg/l	--	< 19.8 pg/l
2,3,7,8-Dibenzofuran, tetra		0.0475 pg/l	< 1.02 pg/l	< 1.06 pg/l	< 0.129 pg/l	< 0.163 pg/l	--	< 1.12 pg/l
1,2,3,7,8-Dibenzofuran, penta		0.38 pg/l	< 0.764 pg/l	< 0.750 pg/l	< 0.0922 pg/l	< 0.175 pg/l	--	< 0.525 pg/l
2,3,4,7,8-Dibenzofuran, penta		0.00475 pg/l	< 0.812 pg/l	< 0.750 pg/l	< 0.0902 pg/l	< 0.185 pg/l	--	< 0.557 pg/l
1,2,3,4,7,8-Dibenzofuran, hexa		0.475 pg/l	< 0.666 pg/l	< 0.641 pg/l	0.167 EMPC pg/l	< 0.161 pg/l	--	< 0.312 pg/l
1,2,3,6,7,8-Dibenzofuran, hexa		0.19 pg/l	< 0.593 pg/l	< 0.623 pg/l	< 0.0765 pg/l	< 0.114 pg/l	--	< 0.278 pg/l
1,2,3,7,8,9-Dibenzofuran, hexa		0.0633 pg/l	< 0.802 pg/l	< 0.895 pg/l	< 0.0922 pg/l	< 0.196 pg/l	--	< 0.376 pg/l
2,3,4,6,7,8-Dibenzofuran, hexa		0.0543 pg/l	< 0.680 pg/l	< 0.649 pg/l	< 0.0834 pg/l	< 0.154 pg/l	--	< 0.318 pg/l
1,2,3,4,6,7,8-Dibenzofuran, hepta		38 pg/l	< 1.26 pg/l	< 0.618 pg/l	0.306 EMPC pg/l	< 0.216 pg/l	--	< 0.539 pg/l
1,2,3,4,7,8,9-Dibenzofuran, hepta		0.95 pg/l	< 1.71 pg/l	< 0.761 pg/l	< 0.163 pg/l	< 0.322 pg/l	--	< 0.727 pg/l
Dibenzofuran, octa		190 pg/l	< 3.25 pg/l	< 2.23 pg/l	< 0.305 pg/l	0.902 j pg/l	--	< 2.49 pg/l
TCDD Equivalent, reporting limit at 1/2, TEF 2005 (EMPC @ 1)[3]			1.99 pg/l	1.68 pg/l	0.214 EMPC pg/l	0.290 J pg/l	--	1.39 pg/l
TCDD Equivalent, reporting limit at 0, TEF 2005 (EMPC @ 1)[4]			ND pg/l	ND pg/l	0.0198 EMPC pg/l	0.000270 J pg/l	--	ND pg/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 23
Groundwater Quality Data-Lower Aquifer
OU3-City Dump Area
St. Regis Paper Company Site

		Sys Loc Code	W2301	W2325	W2326	W2329	W2333	W2335	W2336
		Sample Date	5/4/2012	5/2/2012	5/3/2012	5/5/2012	5/3/2012	5/4/2012	3/20/2012
		Sample Type Code	N	N	N	N	N	N	N
Chemical Name	Drinking Water Criteria	Intervention Limits							
Exceedance Key	No Exceed	No Exceed							
SVOCs									
Benz(a)anthracene			< 0.0028 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0027 ug/l	< 0.0040 ug/l	< 0.0026 ug/l
Chrysene			< 0.0036 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0035 ug/l	< 0.0034 ug/l	< 0.0034 ug/l
Benzo(b)fluoranthene			< 0.0024 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0024 ug/l	< 0.0023 ug/l	< 0.0023 ug/l
Benzo(k)fluoranthene			< 0.0027 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0026 ug/l	< 0.0025 ug/l	< 0.0025 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0045 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0044 ug/l	< 0.0043 ug/l	< 0.0043 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0028 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0027 ug/l	< 0.0026 ug/l	< 0.0026 ug/l
Dibenz(a,h)anthracene			< 0.0027 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0026 ug/l	< 0.0025 ug/l	< 0.0025 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l		0.0036 ug/l	0.0034 ug/l	0.0034 ug/l	0.0034 ug/l	0.0035 ug/l	0.0034 ug/l	0.0034 ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l		ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l
2-Methylnaphthalene			< 0.010 ug/l	0.0045 j ug/l	0.0044 j ug/l	< 0.0039 ug/l	0.0032 j ug/l	< 0.0065 ug/l	< 0.0033 ug/l
Acenaphthene	400 ug/l		0.0052 j ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0045 ug/l	< 0.0044 ug/l	0.0076 j ug/l
Acenaphthylene			< 0.0036 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0035 ug/l	< 0.0034 ug/l	< 0.0034 ug/l
Anthracene	2000 ug/l	0.035 ug/l	< 0.0038 ug/l	< 0.0036 ug/l	< 0.0036 ug/l	< 0.0036 ug/l	< 0.0037 ug/l	< 0.0036 ug/l	< 0.0036 ug/l
Benzo(g,h,i)perylene			< 0.0031 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0030 ug/l	< 0.0029 ug/l	< 0.0029 ug/l
Fluoranthene	300 ug/l		< 0.0046 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0045 ug/l	< 0.0044 ug/l	< 0.0044 ug/l
Fluorene	300 ug/l		< 0.0040 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	< 0.0039 ug/l	< 0.0038 ug/l	0.0043 j ug/l
Naphthalene	300 ug/l		< 0.040 ug/l	0.023 ug/l	0.063 ug/l	< 0.031 ug/l	0.52 ug/l	< 0.15 ug/l	< 0.075 ug/l
Phenanthrene			< 0.0053 ug/l	< 0.0050 ug/l	< 0.0050 ug/l	< 0.0050 ug/l	< 0.0052 ug/l	0.0055 j ug/l	0.0059 j ug/l
Pyrene	200 ug/l		< 0.0037 ug/l	< 0.0035 ug/l	< 0.0035 ug/l	< 0.0035 ug/l	< 0.0036 ug/l	< 0.0035 ug/l	< 0.0035 ug/l
Pentachlorophenol	1 ug/l	5.5 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l

-Data Qualifiers and footnotes are detailed in Table 38.

Table 23
Groundwater Quality Data-Lower Aquifer
OU3-City Dump Area
St. Regis Paper Company Site

		Sys Loc Code	W2336	W2336	W2339
		Sample Date	5/6/2012	10/22/2012	5/5/2012
		Sample Type Code	N	N	N
Chemical Name	Drinking Water Criteria	Intervention Limits			
Exceedance Key	No Exceed	No Exceed			
SVOCs					
Benz(a)anthracene			< 0.0027 ug/l	< 0.0026 ug/l	< 0.0026 ug/l
Chrysene			< 0.0035 ug/l	< 0.0034 ug/l	< 0.0034 ug/l
Benzo(b)fluoranthene			< 0.0024 ug/l	< 0.0041 ug/l	< 0.0023 ug/l
Benzo(k)fluoranthene			< 0.0026 ug/l	< 0.0030 ug/l	< 0.0025 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0044 ug/l	< 0.0043 ug/l	< 0.0043 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0027 ug/l	< 0.0026 ug/l	< 0.0026 ug/l
Dibenz(a,h)anthracene			< 0.0026 ug/l	< 0.0025 ug/l	< 0.0025 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l		0.0035 ug/l	0.0035 ug/l	0.0034 ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l		ND ug/l	ND ug/l	ND ug/l
2-Methylnaphthalene			< 0.0099 ug/l	< 0.0050 ug/l	< 0.0023 ug/l
Acenaphthene	400 ug/l		0.0056 j ug/l	< 0.0044 ug/l	< 0.0044 ug/l
Acenaphthylene			< 0.0035 ug/l	< 0.0034 ug/l	< 0.0034 ug/l
Anthracene	2000 ug/l	0.035 ug/l	< 0.0037 ug/l	< 0.0036 ug/l	< 0.0036 ug/l
Benzo(g,h,i)perylene			< 0.0030 ug/l	< 0.0029 ug/l	< 0.0029 ug/l
Fluoranthene	300 ug/l		< 0.0045 ug/l	< 0.010 ug/l	< 0.0044 ug/l
Fluorene	300 ug/l		< 0.0039 ug/l	< 0.0038 ug/l	< 0.0038 ug/l
Naphthalene	300 ug/l		< 0.13 ug/l	< 0.025 ug/l	< 0.045 ug/l
Phenanthrene			< 0.0052 ug/l	< 0.0050 ug/l	< 0.0050 ug/l
Pyrene	200 ug/l		< 0.0036 ug/l	< 0.0053 ug/l	< 0.0035 ug/l
Pentachlorophenol	1 ug/l	5.5 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l

-Data Qualifiers and footnotes are detailed in Table 38.

Table 24
Water Quality Data Over Time
OU3 - City Dump Pit Site
City Dump Pit Site

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W2106	**9/16/2006**	**N**	**0.2 ug/l**	< 0.22 ug/l	**2600 ug/l**	**56000 h ug/l**
W2106	**9/16/2006**	**FD**	**0.2 ug/l**	< 0.22 ug/l	**1700 ug/l**	**60000 ug/l**
W2106	**5/17/2007**	**N**	**0.68 ug/l**	< 0.66 ug/l	0.98 j ug/l	**22000 ug/l**
W2106	**5/17/2007**	**FD**	**0.68 ug/l**	< 0.66 ug/l	1.2 j ug/l	**22000 ug/l**
W2106	**5/27/2008**	**N**	**0.68 ug/l**	< 0.66 ug/l	120 * ug/l	**16000 ug/l**
W2106	**5/27/2008**	**FD**	**0.68 ug/l**	< 0.66 ug/l	290 * ug/l	**16000 ug/l**
W2106	**5/19/2009**	**N**	**0.68 ug/l**	< 0.66 ug/l	11 ug/l	**11000 ug/l**
W2106	**5/19/2009**	**FD**	**0.68 ug/l**	< 0.66 ug/l	2.2 j ug/l	**9900 ug/l**
W2106	**5/5/2010**	**N**	**0.173 ug/l**	< 0.22 ug/l	**730 * ug/l**	**14000 ug/l**
W2106	**5/5/2010**	**FD**	**0.173 ug/l**	< 0.22 ug/l	**670 * ug/l**	**13000 ug/l**
W2106	**5/8/2011**	**N**	**0.68 ug/l**	< 0.66 ug/l	< 0.47 ug/l	**7800 ug/l**
W2106	**5/8/2011**	**FD**	**0.68 ug/l**	< 0.66 ug/l	< 0.37 ug/l	**7700 ug/l**
W2106	**5/7/2012**	**N**	**0.68 ug/l**	< 0.66 ug/l	**390 ug/l**	**12000 ug/l**
W2106	**5/7/2012**	**FD**	**0.67 ug/l**	< 0.65 ug/l	260 ug/l	**10000 ug/l**
W2127	**6/25/1987**	**N**	--	< 0.001 ug/l	0.0038 ug/l	< 6 ug/l
W2127	**6/30/1988**	**N**	--	< 0.0010 ug/l	0.0074 s ug/l	< 6 ug/l
W2127	**6/28/1989**	**N**	--	< 0.0010 ug/l	0.073 s ug/l	< 6 ug/l
W2127	**6/28/1990**	**N**	--	< 0.0010 ug/l	0.0019 s ug/l	< 6 ug/l
W2127	**6/19/1991**	**N**	--	< 0.012 ug/l	0.13 b ug/l	< 6 ug/l
W2127	**5/27/1992**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
W2127	**6/2/1993**	**N**	--	--	--	< 6 ug/l
W2127	**7/22/1993**	**N**	--	< 0.00300 ug/l	0.00882 b ug/l	--
W2127	**6/15/1994**	**N**	--	< 0.030 ug/l	< 0.030 ug/l	< 3 ug/l
W2127	**6/6/1995**	**N**	--	< 0.003 ug/l	0.003 ug/l	< 3 ug/l
W2127	**6/4/1996**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2127	**6/5/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2127	**4/29/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 5 j ug/l
W2127	**5/17/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W2127	**4/5/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W2127	**4/20/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2127	**5/3/2002**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 2.9 ug/l
W2127	**5/4/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2127	**4/26/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.96 ug/l
W2127	**5/15/2005**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2127	**9/5/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.012 ug/l	< 0.13 ug/l
W2127	**5/10/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0069 ug/l	< 0.13 ug/l
W2127	**5/21/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.040 ug/l	< 0.080 ug/l
W2127	**5/14/2009**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.0061 ug/l	< 0.16 ug/l
W2127	**4/26/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.043 ug/l	< 0.16 ug/l
W2127	**5/3/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.023 ug/l	< 0.070 ug/l
W2127	**5/5/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.11 ug/l	< 0.16 ug/l
W2128	**4/27/1987**	**N**	--	< 12.6 ug/l	**1600 ug/l**	**330 ug/l**
W2128	**6/23/1987**	**N**	--	< 6 ug/l < 6 ug/l	< 6 ug/l < 6 ug/l	**2600 ug/l** **3400 ug/l**
W2128	**6/30/1988**	**N**	--	< 6 ug/l < 6 ug/l	< 6 ug/l < 6 ug/l	**2100 ug/l** **2400 ug/l**
W2128	**6/28/1989**	**N**	--	< 120 ug/l < 500 ug/l	**1200 ug/l** **1900 ug/l**	**760 ug/l** **1200 ug/l**
W2128	**6/28/1990**	**N**	--	< 10 ug/l	< 10 ug/l	**190 ug/l**
W2128	**6/19/1991**	**N**	--	< 10 ug/l	< 10 ug/l	**99 ug/l**
W2128	**5/27/1992**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l

Table 24
Water Quality Data Over Time
OU3 - City Dump Pit Site
City Dump Pit Site

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W2128	**6/2/1993**	**N**	--	--	--	**130 ug/l**
W2128	**7/22/1993**	**N**	--	< 0.168 ug/l	1.06 b ug/l	--
W2128	**6/15/1994**	**N**	--	< 0.120 ug/l	< 0.120 ug/l	**38 ug/l**
W2128	**6/6/1995**	**N**	--	< 0.60 ug/l	13 ug/l	**120 ug/l**
W2128	**6/5/1997**	**N**	--	< 10 ug/l	96 ug/l	**79 ug/l**
W2128	**5/17/1999**	**N**	--	< 0.02 ug/l	23 ug/l	**3.7 ug/l**
W2128	**4/5/2000**	**N**	--	< 0.02 ug/l	23 ug/l	**4 ug/l**
W2128	**4/20/2001**	**N**	--	< 0.020 ug/l	49 ug/l	**48 ug/l**
W2128	**5/3/2002**	**N**	0.02 ug/l	< 0.020 ug/l	43 ug/l	< 2.9 ug/l
W2128	**5/4/2003**	**N**	0.02 ug/l	< 0.020 ug/l	25 ug/l	**25 ug/l**
W2128	**10/7/2004**	**N**	0.02 ug/l	< 0.020 ug/l	1.8 ug/l	**5.5 ug/l**
W2128	**5/15/2005**	**N**	0.02 ug/l	< 0.020 ug/l	6.1 ug/l	**6.4 ug/l**
W2128	**9/5/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	13 ug/l	**24 ug/l**
W2128	**12/5/2006**	**N**	0.0059 a ug/l	< 0.0043 ug/l	< 0.010 ug/l	**6.5 ug/l**
W2128	**5/15/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.014 ug/l	**5.1 ug/l**
W2128	**8/23/2007**	**N**	0.0048 a ug/l	< 0.0043 ug/l	6.5 ug/l	**4.1 ug/l**
W2128	**10/30/2007**	**N**	0.0034 ug/l	< 0.0043 ug/l	1.7 ug/l	**3.0 ug/l**
W2128	**5/28/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	1.3 ug/l	**5.9 ug/l**
W2128	**8/22/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.39 ug/l	**5.5 ug/l**
W2128	**5/19/2009**	**N**	0.0035 ug/l	< 0.0045 ug/l	4.2 ug/l	**5.6 ug/l**
W2128	**8/25/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	1.8 ug/l	**5.0 ug/l**
W2128	**11/10/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	4.9 ug/l	**5.0 ug/l**
W2128	**5/3/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	74 ug/l	**32 ug/l**
W2128	**9/27/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.31 ug/l	< 0.070 ug/l
W2128	**5/8/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	4.9 ug/l	**1.9 ug/l**
W2128	**8/30/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	3.7 ug/l	**2.0 ug/l**
W2128	**10/26/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	3.6 ug/l	**2.1 ug/l**
W2128	**5/7/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	1.5 ug/l	**1.8 ug/l**
W2128	**10/22/2012**	**N**	0.0035 ug/l	< 0.0043 ug/l	1.2 ug/l	**1.4 ug/l**
W2129	**6/25/1987**	**N**	--	< 0.0025 ug/l	0.012 s ug/l	**9.1 ug/l**
W2129	**6/30/1988**	**N**	--	< 0.0010 ug/l	0.0045 s ug/l	< 6 ug/l
W2129	**6/28/1989**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W2129	**6/28/1990**	**N**	--	< 0.0010 ug/l	0.0028 s ug/l	< 6 ug/l
W2129	**6/19/1991**	**N**	--	< 0.0030 ug/l	0.0047 b ug/l	< 6 ug/l
W2129	**5/27/1992**	**N**	--	< 0.0030 ug/l	0.0050 b ug/l	< 6 ug/l
W2129	**6/2/1993**	**N**	--	--	--	< 6 ug/l
W2129	**7/22/1993**	**N**	--	< 0.00300 ug/l	0.0146 b ug/l	--
W2129	**6/15/1994**	**N**	--	< 0.003 ug/l	0.004 b ug/l	< 3 ug/l
W2129	**6/6/1995**	**N**	--	< 0.003 ug/l	0.004 ug/l	< 3 ug/l
W2129	**6/4/1996**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2129	**6/5/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2129	**4/29/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 5 j ug/l
W2129	**5/17/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W2129	**4/5/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W2129	**4/20/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	**1.5 ug/l**
W2129	**5/3/2002**	**N**	0.02 ug/l	< 0.020 ug/l	0.034 ug/l	< 0.50 ug/l
W2129	**5/4/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2129	**10/7/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2129	**5/15/2005**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l

Table 24
Water Quality Data Over Time
OU3 - City Dump Pit Site
City Dump Pit Site

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W2129	**9/4/2006**	**N**	0.0041 ug/l	< 0.0044 ug/l	0.0074 j ug/l	< 0.13 ug/l
W2129	**5/10/2007**	**N**	0.0042 ug/l	< 0.0045 ug/l	< 0.0068 ug/l	< 0.13 ug/l
W2129	**5/21/2008**	**N**	0.0035 a ug/l	< 0.0043 ug/l	0.030 ug/l	< 0.080 ug/l
W2129	**5/16/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.011 ug/l	< 0.16 ug/l
W2129	**4/27/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.027 ug/l	< 0.16 ug/l
W2129	**5/3/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.025 ug/l	< 0.070 ug/l
W2129	**5/5/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0059 ug/l	< 0.16 ug/l
W2134	**4/27/1987**	**N**	--	< 12.6 ug/l	< 5.2 ug/l	**17 ug/l**
W2134	**6/26/1987**	**N**	--	< 6 ug/l	< 6 ug/l	**11000 ug/l**
W2134	**6/30/1988**	**N**	--	< 6 ug/l	< 6 ug/l	**4600 ug/l**
W2134	**6/29/1989**	**N**	--	< 0.0040 ug/l	0.013 ug/l	**74 ug/l**
W2134	**6/28/1990**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W2134	**6/20/1991**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W2134	**5/28/1992**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W2134	**6/2/1993**	**N**	--	--	--	< 6 ug/l
W2134	**7/22/1993**	**N**	--	< 0.00300 ug/l	0.0199 b ug/l	--
W2134	**6/15/1994**	**N**	--	< 0.060 ug/l	< 0.060 ug/l	< 3 ug/l
W2134	**6/6/1995**	**N**	--	< 0.003 ug/l	0.004 ug/l	< 3 ug/l
W2134	**6/5/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2134	**5/15/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W2134	**4/26/2001**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W2134	**4/26/2001**	**FD**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W2134	**5/6/2003**	**N**	0.037 ug/l	< 0.039 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2134	**5/6/2003**	**FD**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2134	**5/14/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
W2134	**9/9/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W2134	**5/9/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W2134	**5/20/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0094 ug/l	< 0.080 ug/l
W2134	**4/25/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.084 ug/l	< 0.16 ug/l
W2134	**5/4/2012**	**N**	0.0035 ug/l	< 0.0045 ug/l	< 0.021 ug/l	< 0.16 ug/l
W2135	**6/23/1987**	**N**	--	< 0.001 ug/l	0.017 ug/l	< 6 ug/l
W2135	**6/30/1988**	**N**	--	< 0.0020 ug/l	0.009 s ug/l	< 6 ug/l
W2135	**6/29/1989**	**N**	--	< 0.0010 ug/l	0.0036 ug/l	< 6 ug/l
W2135	**6/28/1990**	**N**	--	< 0.0010 ug/l	0.0021 s ug/l	< 6 ug/l
W2135	**6/20/1991**	**N**	--	< 0.0060 ug/l	< 0.0080 ug/l	< 6 ug/l
W2135	**5/28/1992**	**N**	--	< 0.0030 ug/l	0.0048 b ug/l	< 6 ug/l
W2135	**6/3/1993**	**N**	--	--	--	< 6 ug/l
W2135	**7/22/1993**	**N**	--	< 0.00300 ug/l	0.00847 b ug/l	--
W2135	**6/15/1994**	**N**	--	< 0.060 ug/l	< 0.060 ug/l	< 3 ug/l
W2135	**6/6/1995**	**N**	--	< 0.003 ug/l < 0.003 ug/l	0.003 ug/l < 0.003 ug/l	< 3 ug/l < 3 ug/l
W2135	**6/4/1996**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2135	**6/5/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2135	**4/29/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 5 j ug/l
W2135	**4/29/1998**	**FD**	--	< 0.10 ug/l	< 0.10 ug/l	< 5 j ug/l
W2135	**5/15/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	--
W2135	**4/5/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W2135	**4/26/2001**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W2135	**5/5/2002**	**N**	0.021 ug/l	< 0.021 ug/l	0.046 ug/l	< 3.2 ug/l
W2135	**5/8/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l

Table 24
Water Quality Data Over Time
OU3 - City Dump Pit Site
City Dump Pit Site

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W2135	**4/24/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.96 ug/l
W2135	**5/14/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
W2135	**9/11/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.017 ug/l	< 0.13 ug/l
W2135	**5/12/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	0.0079 j ug/l	< 0.13 ug/l
W2135	**5/20/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.022 ug/l	< 0.080 ug/l
W2135	**5/13/2009**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.0049 ug/l	< 0.16 ug/l
W2135	**4/25/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.034 ug/l	< 0.16 ug/l
W2135	**5/7/2011**	**N**	**0.68 ug/l**	< 0.66 ug/l	< 0.37 ug/l	< 2.5 ug/l 0.28 j ug/l
W2135	**5/4/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0041 ug/l	< 0.16 ug/l
W2140	**5/17/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	210 ug/l	**2700 ug/l**
W2140	**5/4/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	41 ug/l	**3000 ug/l**
W2140	**5/8/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	5.6 ug/l	**910 ug/l**
W2140	**5/7/2012**	**N**	0.0037 a ug/l	< 0.0043 ug/l	0.21 ug/l	**350 ug/l**
W2228	**5/28/2008**	**N**	**0.68 ug/l**	< 0.66 ug/l	< 0.37 ug/l	< 2.5 ug/l
W2228	**5/19/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.021 ug/l	0.36 j ug/l
W2228	**5/4/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.043 ug/l	0.36 j ug/l
W2228	**5/7/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.030 ug/l	0.30 j ug/l
W2228	**5/7/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.017 j ug/l	< 0.38 ug/l
W2233	**9/14/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0071 ug/l	< 0.13 ug/l
W2233	**12/7/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.13 ug/l	< 0.13 ug/l
W2233	**2/27/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	0.0094 j ug/l	< 0.13 ug/l
W2233	**5/13/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W2233	**8/23/2007**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.015 ug/l	< 0.080 ug/l
W2233	**10/30/2007**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.034 ug/l	< 0.080 ug/l
W2233	**3/27/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.078 ug/l	< 0.080 ug/l
W2233	**5/20/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.032 ug/l	< 0.080 ug/l
W2233	**8/22/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.075 ug/l	< 0.080 ug/l
W2233	**11/19/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.025 ug/l	< 0.80 ug/l
W2233	**2/18/2009**	**N**	0.0058 a ug/l	< 0.0043 ug/l	0.039 ug/l	< 0.16 ug/l
W2233	**5/16/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0098 ug/l	< 0.16 ug/l
W2233	**8/25/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.019 ug/l	< 0.16 ug/l
W2233	**11/10/2009**	**N**	0.0034 ug/l	< 0.0043 h ug/l	0.072 h ug/l	< 0.16 ug/l
W2233	**3/15/2010**	**N**	0.0066 a ug/l	< 0.0043 ug/l	< 0.042 ug/l	< 0.16 ug/l
W2233	**4/28/2010**	**N**	0.0037 ug/l	< 0.0047 ug/l	0.098 ug/l	< 0.16 ug/l
W2233	**9/27/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.035 ug/l	**6.5 ug/l**
W2233	**12/1/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.24 ug/l	< 0.070 ug/l
W2233	**3/30/2011**	**N**	0.0038 a ug/l	< 0.0043 ug/l	< 0.0089 ug/l	< 0.070 ug/l
W2233	**5/7/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.019 j ug/l	< 0.070 ug/l
W2233	**8/30/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.012 j ug/l	< 0.070 ug/l
W2233	**10/26/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0084 ug/l	< 0.070 ug/l
W2233	**3/19/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.032 ug/l	< 0.16 ug/l
W2233	**5/5/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.10 ug/l	< 0.16 ug/l
W2233	**10/22/2012**	**N**	0.0035 ug/l	< 0.0043 ug/l	0.024 ug/l	< 0.16 ug/l
W2234	**2/25/1987**	**N**	--	< 0.6 ug/l < 0.010 ug/l	< 0.6 ug/l 0.068 ug/l	< 5 ug/l < 6 ug/l
W2234	**3/9/1987**	**N**	--	< 0.6 ug/l	< 0.6 ug/l	< 0.6 ug/l
W2234	**6/25/1987**	**N**	--	< 0.001 ug/l	0.022 ug/l	< 6 ug/l
W2234	**6/30/1988**	**N**	--	< 0.0020 ug/l	0.056 s ug/l	< 6 ug/l
W2234	**6/29/1989**	**N**	--	< 0.0010 ug/l	0.11 ug/l	< 6 ug/l

Table 24
Water Quality Data Over Time
OU3 - City Dump Pit Site
City Dump Pit Site

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W2234	**6/20/1991**	**N**	--	< 0.0030 ug/l	0.0045 b ug/l	< 6 ug/l
W2234	**5/28/1992**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W2234	**12/10/1992**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W2234	**6/2/1993**	**N**	--	--	--	< 6 ug/l
W2234	**7/22/1993**	**N**	--	< 0.0720 ug/l	< 0.0960 ug/l	--
W2234	**11/2/1993**	**N**	--	< 0.00300 ug/l	0.0271 b ug/l	< 6 ug/l
W2234	**6/15/1994**	**N**	--	< 0.060 ug/l	< 0.060 ug/l	< 3 ug/l
W2234	**12/1/1994**	**N**	--	< 0.006 ug/l	0.014 b ug/l	< 3 ug/l
W2234	**6/6/1995**	**N**	--	< 0.003 ug/l	0.004 ug/l	< 3 ug/l
W2234	**6/4/1996**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2234	**6/5/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2234	**4/29/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 5 j ug/l
W2234	**5/15/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W2234	**4/26/2001**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W2234	**4/26/2001**	**FD**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W2234	**5/3/2002**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 3.0 ug/l
W2234	**5/6/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2234	**5/6/2003**	**FD**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2234	**4/25/2004**	**FD**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.98 ug/l
W2234	**4/25/2004**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.98 ug/l
W2234	**5/14/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
W2234	**5/14/2005**	**FD**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
W2234	**9/9/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W2234	**9/9/2006**	**FD**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W2234	**5/9/2007**	**N**	0.0041 a ug/l	< 0.0044 * ug/l	< 0.0066 ug/l	< 0.13 ug/l
W2234	**5/9/2007**	**FD**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W2234	**5/20/2008**	**N**	0.0036 a ug/l	< 0.0043 ug/l	< 0.015 ug/l	< 0.080 ug/l
W2234	**5/20/2008**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.011 ug/l	< 0.080 ug/l
W2234	**5/14/2009**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.011 ug/l	< 0.16 ug/l
W2234	**4/25/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.040 ug/l	< 0.16 ug/l
W2234	**5/6/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.012 j ug/l	0.12 j ug/l
W2234	**5/4/2012**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.045 ug/l	< 0.16 ug/l
W2236	**9/19/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.015 ug/l	< 0.13 ug/l
W2236	**12/7/2006**	**N**	0.004 ug/l	< 0.0043 ug/l < 0.0043 ug/l	< 0.011 ug/l < 0.010 ug/l	< 0.13 ug/l < 0.13 ug/l
W2236	**2/27/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W2236	**5/13/2007**	**N**	0.0051 a ug/l	< 0.0043 ug/l	0.17 ug/l	**1.1 ug/l**
W2236	**8/24/2007**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0069 ug/l	< 0.080 ug/l < 0.080 ug/l
W2236	**10/31/2007**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0069 ug/l	< 0.080 ug/l
W2236	**10/31/2007**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.0083 ug/l	< 0.080 ug/l
W2236	**3/28/2008**	**N**	0.0038 a ug/l	< 0.0043 ug/l	< 0.0038 ug/l	< 0.080 ug/l
W2236	**5/22/2008**	**N**	0.0045 a ug/l	< 0.0043 ug/l	< 0.031 ug/l	< 0.080 ug/l
W2236	**8/23/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.017 ug/l	< 0.080 ug/l
W2236	**11/20/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0046 ug/l	< 0.80 ug/l
W2236	**11/20/2008**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.0035 ug/l	< 0.80 ug/l
W2236	**2/19/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0030 ug/l	< 0.16 ug/l
W2236	**5/16/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.042 ug/l	< 0.16 ug/l
W2236	**8/26/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0059 ug/l	< 0.16 ug/l
W2236	**8/26/2009**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.0064 ug/l	< 0.16 ug/l

Table 24
Water Quality Data Over Time
OU3 - City Dump Pit Site
City Dump Pit Site

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W2236	**11/11/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.011 j ug/l	< 0.16 ug/l
W2236	**3/16/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.024 ug/l	< 0.16 ug/l
W2236	**5/1/2010**	**N**	0.0035 ug/l	< 0.0045 ug/l	0.045 ug/l	< 0.070 ug/l
W2236	**9/28/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.022 ug/l	< 0.070 ug/l
W2236	**9/28/2010**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.038 ug/l	< 0.070 ug/l
W2236	**12/2/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.19 ug/l	< 0.070 ug/l
W2236	**3/31/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0050 ug/l	< 0.070 ug/l
W2236	**3/31/2011**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.0031 ug/l	< 0.070 ug/l
W2236	**5/6/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.028 ug/l	0.080 j ug/l
W2236	**8/31/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.0097 j ug/l	< 0.070 ug/l
W2236	**10/27/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0095 ug/l	< 0.070 ug/l
W2236	**10/27/2011**	**FD**	0.0034 ug/l	< 0.0043 ug/l	0.070 ug/l	< 0.070 ug/l
W2236	**3/20/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.051 ug/l	< 0.16 ug/l
W2236	**5/6/2012**	**N**	0.0035 ug/l	< 0.0043 ug/l	< 0.079 ug/l	< 0.16 ug/l
W2236	**10/22/2012**	**N**	0.0035 ug/l	< 0.0043 ug/l	< 0.097 ug/l	< 0.16 ug/l
W2237R	**3/2/2009**	**FD**	--	< 0.020 mg/kg	< 0.015 mg/kg	< 0.13 mg/kg
W2237R	**3/2/2009**	**N**	--	< 0.020 mg/kg	< 0.015 mg/kg	< 0.13 mg/kg
W2237R	**5/17/2009**	**N**	0.0037 a ug/l	< 0.0044 ug/l	< 0.076 ug/l	0.34 j ug/l
W2237R	**5/4/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.064 ug/l	< 0.070 ug/l
W2237R	**5/8/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.022 ug/l	0.16 j ug/l
W2237R	**5/8/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.10 ug/l	< 0.16 ug/l
W2238	**5/28/2008**	**N**	**0.68 ug/l**	< 0.66 ug/l	99 ug/l	**3.4 j ug/l**
W2238	**5/28/2008**	**FD**	**0.68 ug/l**	< 0.66 ug/l	120 ug/l	**4.1 j ug/l**
W2238	**5/17/2009**	**N**	0.0037 ug/l	< 0.0044 ug/l	180 ug/l	**6.2 ug/l**
W2238	**5/4/2010**	**N**	0.0038 a ug/l	< 0.0043 ug/l	160 * ug/l	**6.3 ug/l**
W2238	**5/4/2010**	**FD**	0.0034 ug/l	< 0.0043 ug/l	160 * ug/l	**6.3 ug/l**
W2238	**5/8/2011**	**N**	0.0045 a ug/l	< 0.0043 ug/l	270 ug/l	**3.6 ug/l**
W2238	**5/8/2012**	**N**	0.004 ug/l	< 0.0043 ug/l	260 ug/l	**4.3 ug/l**
W2238	**5/8/2012**	**FD**	0.009 a ug/l	0.0046 j ug/l	290 ug/l	**4.7 ug/l**
W2239	**5/17/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.035 ug/l	< 0.16 ug/l
W2239	**4/28/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.055 ug/l	< 0.16 ug/l
W2239	**5/3/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.030 ug/l	< 0.070 ug/l
W2239	**5/5/2012**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.095 ug/l	< 0.16 ug/l
W2301	**6/25/1987**	**N**	--	< 0.001 ug/l	0.012 s ug/l	< 6 ug/l
W2301	**12/8/1987**	**N**	--	< 0.004 ug/l < 0.001 ug/l	0.058 ug/l 0.051 ug/l	< 6 ug/l < 6 ug/l
W2301	**6/30/1988**	**N**	--	< 0.0020 ug/l	0.0098 s ug/l	< 6 ug/l
W2301	**12/15/1988**	**N**	--	0.0051 ug/l	0.21 ug/l	< 6 ug/l
W2301	**3/28/1989**	**N**	--	< 0.0010 ug/l	0.018 ug/l	--
W2301	**6/29/1989**	**N**	--	< 0.0010 ug/l	0.040 ug/l	< 6 ug/l
W2301	**12/14/1989**	**N**	--	< 0.020 ug/l	< 0.038 ug/l	< 6 ug/l
W2301	**6/28/1990**	**N**	--	< 0.0010 ug/l	0.0082 s ug/l	< 6 ug/l
W2301	**12/4/1990**	**N**	--	< 0.0010 ug/l	0.046 b ug/l	< 6 ug/l
W2301	**6/20/1991**	**N**	--	--	0.0040 b ug/l	< 6 ug/l
W2301	**12/17/1991**	**N**	--	0.0046 ug/l	0.014 b ug/l	< 6 ug/l
W2301	**5/28/1992**	**N**	--	< 0.0030 ug/l	0.0062 b ug/l	< 6 ug/l
W2301	**6/3/1993**	**N**	--	--	--	< 6 ug/l
W2301	**7/22/1993**	**N**	--	< 0.00300 ug/l < 0.00300 ug/l	0.0135 b ug/l 0.0103 b ug/l	--
W2301	**6/15/1994**	**N**	--	< 10 ug/l	< 10 ug/l	< 5 ug/l

Table 24
Water Quality Data Over Time
OU3 - City Dump Pit Site
City Dump Pit Site

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W2301	**6/7/1995**	**N**	--	< 0.003 ug/l	0.010 b ug/l	< 3 ug/l
W2301	**6/4/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2301	**5/15/1999**	**N**	--	< 0.02 ug/l	0.03 ug/l	< 3 ug/l
W2301	**4/26/2001**	**N**	--	< 0.023 ug/l	0.058 ug/l	< 0.50 ug/l
W2301	**5/8/2003**	**N**	0.02 ug/l	< 0.020 ug/l	0.13 ug/l	< 0.50 ug/l
W2301	**5/11/2005**	**N**	0.02 ug/l	< 0.020 ug/l	0.12 ug/l	< 0.50 ug/l
W2301	**9/14/2006**	**N**	0.013 a ug/l	0.0076 j ug/l	< 0.0065 ug/l	0.20 j ug/l
W2301	**5/12/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	0.0099 j ug/l	< 0.13 ug/l
W2301	**5/22/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.035 ug/l	< 0.080 ug/l
W2301	**4/28/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.52 ug/l	< 0.16 ug/l
W2301	**5/4/2012**	**N**	0.0036 ug/l	< 0.0045 ug/l	< 0.040 ug/l	< 0.16 ug/l
W2325	**6/25/1987**	**N**	--	< 0.001 ug/l	0.011 s ug/l	< 6 ug/l
W2325	**12/8/1987**	**N**	--	< 0.002 ug/l	0.056 ug/l	< 6 ug/l
W2325	**6/30/1988**	**N**	--	< 0.0020 ug/l	0.007 s ug/l	< 6 ug/l
W2325	**12/15/1988**	**N**	--	< 0.0020 ug/l	0.044 s ug/l	< 6 ug/l
W2325	**3/28/1989**	**N**	--	< 0.0010 ug/l	0.022 ug/l	--
W2325	**6/29/1989**	**N**	--	< 0.0010 ug/l	0.021 ug/l	< 6 ug/l
W2325	**12/14/1989**	**N**	--	< 0.0020 ug/l	0.031 ug/l	< 6 ug/l
W2325	**6/28/1990**	**N**	--	< 0.0010 ug/l	0.0099 s ug/l	< 6 ug/l
W2325	**12/4/1990**	**N**	--	< 0.0010 ug/l	0.0062 b ug/l	< 6 ug/l
W2325	**6/20/1991**	**N**	--	--	--	< 6 ug/l
W2325	**12/17/1991**	**N**	--	< 0.0030 ug/l	0.0094 b ug/l	< 6 ug/l
W2325	**5/28/1992**	**N**	--	< 0.0030 ug/l	0.0090 b ug/l	< 6 ug/l
W2325	**6/3/1993**	**N**	--	--	--	< 6 ug/l
W2325	**7/22/1993**	**N**	--	< 0.00300 ug/l	0.0113 b ug/l	--
W2325	**6/15/1994**	**N**	--	< 10 ug/l < 0.006 ug/l	< 10 ug/l 0.292 ug/l	< 5 ug/l < 3 ug/l
W2325	**6/5/1995**	**N**	--	< 0.003 ug/l	0.004 ug/l	< 3 ug/l
W2325	**6/5/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2325	**5/18/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W2325	**4/26/2001**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W2325	**5/5/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2325	**5/11/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
W2325	**9/10/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.015 ug/l	< 0.13 ug/l
W2325	**5/7/2007**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.0077 ug/l	< 0.13 ug/l
W2325	**5/21/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.020 ug/l	< 0.080 ug/l
W2325	**4/26/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.060 ug/l	< 0.16 ug/l
W2325	**5/2/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.023 ug/l	< 0.16 ug/l
W2326	**6/24/1987**	**N**	--	< 0.001 ug/l	0.013 s ug/l	< 6 ug/l
W2326	**12/8/1987**	**N**	--	< 0.001 ug/l	0.041 ug/l	< 6 ug/l
W2326	**6/30/1988**	**N**	--	< 0.0020 ug/l	0.0071 s ug/l	< 6 ug/l
W2326	**12/15/1988**	**N**	--	< 0.0040 ug/l < 0.0040 ug/l	0.47 ug/l 0.24 ug/l	< 6 ug/l < 6 ug/l
W2326	**3/28/1989**	**N**	--	0.0019 ug/l	0.034 ug/l	--
W2326	**6/29/1989**	**N**	--	< 0.0010 ug/l	0.017 ug/l	< 6 ug/l
W2326	**6/28/1990**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W2326	**6/20/1991**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W2326	**5/28/1992**	**N**	--	< 10 ug/l < 10 ug/l	10 ug/l < 10 ug/l	**68 ug/l** < 10 ug/l
W2326	**8/27/1992**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W2326	**6/2/1993**	**N**	--	--	--	< 6 ug/l

Table 24
Water Quality Data Over Time
OU3 - City Dump Pit Site
City Dump Pit Site

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W2326	**7/22/1993**	**N**	--	< 0.00900 ug/l	0.0194 b ug/l	--
W2326	**6/15/1994**	**N**	--	< 0.060 ug/l	< 0.060 ug/l	< 3 ug/l
W2326	**6/7/1995**	**N**	--	< 0.003 ug/l	0.014 b ug/l	< 3 ug/l
W2326	**6/4/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2326	**5/15/1999**	**N**	--	< 0.02 ug/l	0.07 ug/l	< 3 ug/l
W2326	**4/26/2001**	**N**	--	< 0.022 ug/l	0.068 ug/l	< 0.50 ug/l
W2326	**5/8/2003**	**N**	0.02 ug/l	< 0.020 ug/l	0.067 ug/l	< 0.50 ug/l
W2326	**5/11/2005**	**N**	0.021 ug/l	< 0.021 ug/l	0.25 ug/l	< 0.50 ug/l
W2326	**5/11/2005**	**FD**	0.02 ug/l	< 0.020 ug/l	0.23 ug/l	< 0.50 ug/l
W2326	**9/9/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.011 ug/l	< 0.13 ug/l
W2326	**5/7/2007**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.0065 ug/l	< 0.13 ug/l
W2326	**5/21/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.022 ug/l	< 0.080 ug/l
W2326	**4/25/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.037 ug/l	< 0.16 ug/l
W2326	**5/3/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.063 ug/l	< 0.16 ug/l
W2329	**6/15/1994**	**N**	--	< 0.006 ug/l	< 0.006 ug/l	< 3 ug/l
W2329	**6/6/1995**	**N**	--	< 0.003 ug/l	0.004 ug/l	< 3 ug/l
W2329	**6/5/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2329	**5/17/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W2329	**4/20/2001**	**N**	--	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2329	**5/4/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2329	**5/15/2005**	**N**	0.021 ug/l	< 0.021 ug/l	< 0.021 ug/l	< 0.50 ug/l
W2329	**9/4/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W2329	**5/10/2007**	**N**	0.0042 ug/l	< 0.0045 ug/l	< 0.014 ug/l	< 0.13 ug/l
W2329	**5/21/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.015 j ug/l	< 0.080 ug/l
W2329	**4/27/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.0055 j ug/l	< 0.16 ug/l
W2329	**5/5/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.031 ug/l	< 0.16 ug/l
W2333	**6/25/1987**	**N**	--	< 0.001 ug/l	0.011 s ug/l	< 6 ug/l
W2333	**12/8/1987**	**N**	--	< 0.001 ug/l	0.039 ug/l	< 6 ug/l
W2333	**6/30/1988**	**N**	--	< 0.0010 ug/l	0.0028 s ug/l	< 6 ug/l
W2333	**12/15/1988**	**N**	--	< 0.010 ug/l	0.23 ug/l	< 6 ug/l
W2333	**3/28/1989**	**N**	--	< 0.0010 ug/l	0.030 ug/l	--
W2333	**6/29/1989**	**N**	--	< 1.0 ug/l	0.0067 ug/l	< 6 ug/l
W2333	**6/28/1990**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W2333	**6/20/1991**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W2333	**5/28/1992**	**N**	--	< 10 ug/l	< 10 ug/l	< 10 ug/l
W2333	**6/3/1993**	**N**	--	--	--	< 6 ug/l
W2333	**7/22/1993**	**N**	--	< 0.00300 ug/l	0.0123 b ug/l	--
W2333	**6/15/1994**	**N**	--	< 0.150 ug/l	< 0.150 ug/l	< 3 ug/l
W2333	**6/5/1995**	**N**	--	< 0.003 ug/l	0.004 ug/l	< 3 ug/l
W2333	**6/5/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2333	**5/17/1999**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W2333	**4/26/2001**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
W2333	**5/8/2003**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
W2333	**5/11/2005**	**N**	0.022 ug/l	< 0.022 ug/l	< 0.022 ug/l	< 0.50 ug/l
W2333	**9/9/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W2333	**5/13/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
W2333	**5/20/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.017 ug/l	< 0.080 ug/l
W2333	**4/26/2010**	**N**	0.046 ug/l	0.025 ug/l	0.079 ug/l	< 0.16 ug/l
W2333	**5/3/2012**	**N**	0.0035 ug/l	< 0.0044 ug/l	0.52 ug/l	< 0.16 ug/l

Table 24
Water Quality Data Over Time
OU3 - City Dump Pit Site
City Dump Pit Site

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W2335	**6/26/1987**	**N**	--	< 0.001 ug/l	0.0041 s ug/l	< 6 ug/l
W2335	**12/8/1987**	**N**	--	< 0.001 ug/l	0.032 ug/l	< 6 ug/l
W2335	**6/30/1988**	**N**	--	< 0.0020 ug/l	0.0058 s ug/l	< 6 ug/l
W2335	**12/15/1988**	**N**	--	< 0.0010 ug/l	0.068 ug/l	< 6 ug/l
W2335	**3/28/1989**	**N**	--	< 0.0020 ug/l	0.032 ug/l	--
W2335	**6/29/1989**	**N**	--	< 0.0010 ug/l	0.011 ug/l	< 6 ug/l
W2335	**12/14/1989**	**N**	--	< 0.0020 ug/l	0.016 ug/l	< 6 ug/l
W2335	**6/28/1990**	**N**	--	< 0.0010 ug/l	0.0035 s ug/l	< 6 ug/l
W2335	**12/4/1990**	**N**	--	< 0.0010 ug/l	0.014 b ug/l	< 6 ug/l
W2335	**6/20/1991**	**N**	--	< 0.0030 ug/l < 0.0030 ug/l	0.0082 b ug/l 0.010 b ug/l	< 6 ug/l
W2335	**12/17/1991**	**N**	--	< 0.0030 ug/l	0.013 b ug/l	< 6 ug/l
W2335	**5/28/1992**	**N**	--	< 0.0030 ug/l	0.0089 b ug/l	< 6 ug/l
W2335	**6/3/1993**	**N**	--	--	--	< 6 ug/l
W2335	**7/22/1993**	**N**	--	< 0.00300 ug/l	0.0141 b ug/l	--
W2335	**6/15/1994**	**N**	--	< 0.030 ug/l	< 0.030 ug/l	< 3 ug/l
W2335	**6/7/1995**	**N**	--	< 0.003 ug/l	0.005 b ug/l	< 3 ug/l
W2335	**6/5/1996**	**N**	--	< 10 ug/l < 10 ug/l	< 10 ug/l < 10 ug/l	< 50 ug/l < 50 ug/l
W2335	**6/5/1997**	**N**	--	< 10 ug/l	< 10 ug/l	< 50 ug/l
W2335	**4/30/1998**	**N**	--	< 0.10 ug/l	< 0.10 ug/l	< 5 j ug/l
W2335	**5/15/1999**	**N**	--	< 0.02 ug/l	0.04 ug/l	< 3 ug/l
W2335	**4/5/2000**	**N**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W2335	**4/5/2000**	**FD**	--	< 0.02 ug/l	< 0.02 ug/l	< 3 ug/l
W2335	**4/26/2001**	**N**	--	< 0.022 ug/l	< 0.022 ug/l	< 0.50 ug/l
W2335	**5/5/2002**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 2.9 ug/l
W2335	**5/8/2003**	**N**	0.02 ug/l	< 0.020 ug/l	0.060 ug/l	< 0.50 ug/l
W2335	**4/24/2004**	**N**	0.02 ug/l	< 0.020 ug/l	0.058 ug/l	< 0.96 ug/l
W2335	**5/14/2005**	**N**	0.022 ug/l	< 0.022 ug/l	< 0.022 ug/l	< 0.50 ug/l
W2335	**9/11/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.044 ug/l	< 0.13 ug/l
W2335	**5/12/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	0.020 j ug/l	< 0.13 ug/l
W2335	**5/24/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.023 ug/l	< 0.080 ug/l
W2335	**5/13/2009**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.020 ug/l	< 0.16 ug/l
W2335	**4/29/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.10 ug/l	< 0.16 ug/l
W2335	**5/7/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.022 ug/l	0.12 j ug/l
W2335	**5/4/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.15 ug/l	< 0.16 ug/l
W2336	**9/19/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.026 ug/l	0.14 j ug/l
W2336	**12/7/2006**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.017 ug/l	< 0.13 ug/l
W2336	**12/7/2006**	**FD**	0.004 ug/l	< 0.0043 ug/l	< 0.018 ug/l	< 0.13 ug/l
W2336	**2/27/2007**	**N**	0.004 ug/l	< 0.0043 ug/l	0.013 j ug/l	< 0.13 ug/l
W2336	**5/13/2007**	**N**	0.0044 a ug/l	< 0.0043 ug/l	0.17 ug/l	< 0.13 ug/l
W2336	**8/24/2007**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.013 ug/l	< 0.080 ug/l
W2336	**10/31/2007**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.014 ug/l	< 0.080 ug/l
W2336	**3/28/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.052 ug/l	< 0.080 ug/l
W2336	**5/22/2008**	**N**	0.0035 ug/l	< 0.0043 ug/l	< 0.37 ug/l	< 0.080 ug/l
W2336	**8/23/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.042 ug/l	< 0.080 ug/l
W2336	**11/20/2008**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.014 ug/l	< 0.80 ug/l
W2336	**2/18/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.016 j ug/l	< 0.16 ug/l
W2336	**5/16/2009**	**N**	0.0036 a ug/l	< 0.0044 ug/l	0.52 ug/l	0.24 j ug/l
W2336	**8/26/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.021 ug/l	< 0.16 ug/l

Table 24
Water Quality Data Over Time
OU3 - City Dump Pit Site
City Dump Pit Site

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	**Bold**		**0.05 ug/l**		300 ug/l	**1 ug/l**
IL	Underline			0.00051 (1) ug/l		5.5 ug/l
Location	**Date**	**Type**				
W2336	**11/11/2009**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.034 ug/l	< 0.16 ug/l
W2336	**3/16/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.038 ug/l	< 0.16 ug/l
W2336	**4/28/2010**	**N**	0.0035 ug/l	< 0.0045 ug/l	0.088 ug/l	< 0.16 ug/l
W2336	**9/28/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.034 ug/l	0.14 j ug/l
W2336	**12/2/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.20 ug/l	0.11 ug/l
W2336	**3/31/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.015 ug/l	0.15 j ug/l
W2336	**5/6/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.059 ug/l	0.19 j ug/l
W2336	**8/31/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.031 ug/l	0.13 j ug/l
W2336	**10/27/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.040 ug/l	0.13 j ug/l
W2336	**10/27/2011**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.053 ug/l	0.13 j ug/l
W2336	**3/20/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.075 ug/l	< 0.16 ug/l
W2336	**5/6/2012**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.13 ug/l	< 0.16 ug/l
W2336	**10/22/2012**	**N**	0.0035 ug/l	< 0.0043 ug/l	< 0.025 ug/l	< 0.16 ug/l
W2339	**5/17/2009**	**N**	0.0035 ug/l	< 0.0044 ug/l	< 0.021 ug/l	< 0.16 ug/l
W2339	**4/29/2010**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.053 ug/l	< 0.16 ug/l
W2339	**5/4/2011**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.011 j ug/l	< 0.070 ug/l
W2339	**5/5/2012**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.045 ug/l	< 0.16 ug/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 25
Groundwater Quality Data
Extraction Wells
St. Regis paper Company Site

		Sys Loc Code	W401	W402	W403	W404	W405	
		Sample Date	5/12/2012	5/12/2012	5/12/2012	5/12/2012	5/12/2012	
		Sample Type Code	N	N	N	N	N	FD
5.6	Drinking Water Criteria	Intervention Limits						
Exceedance Key	**Bold**	Underline						
SVOCs								
Benz(a)anthracene			5.6 j ug/l	< 0.61 ug/l	< 0.59 ug/l	< 0.59 ug/l	< 0.59 ug/l	< 0.59 ug/l
Chrysene			4.9 j ug/l	< 0.81 ug/l	< 0.79 ug/l	< 0.79 ug/l	< 0.79 ug/l	< 0.79 ug/l
Benzo(b)fluoranthene			2.9 j ug/l	< 0.60 ug/l	< 0.58 ug/l	< 0.58 ug/l	< 0.58 ug/l	< 0.58 ug/l
Benzo(k)fluoranthene			1.1 j ug/l	< 0.85 ug/l	< 0.83 ug/l	< 0.83 ug/l	< 0.83 ug/l	< 0.83 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	1.8 j ug/l	< 0.67 ug/l	< 0.65 ug/l	< 0.65 ug/l	< 0.65 ug/l	< 0.65 ug/l
Indeno(1,2,3-cd)pyrene			< 0.68 ug/l	< 0.70 ug/l	< 0.68 ug/l	< 0.68 ug/l	< 0.68 ug/l	< 0.68 ug/l
Dibenz(a,h)anthracene			< 0.75 ug/l	< 0.77 ug/l	< 0.75 ug/l	< 0.75 ug/l	< 0.75 ug/l	< 0.75 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	**0.05 ug/l**		**3.1 a ug/l**	**0.69 ug/l**	**0.67 ug/l**	**0.67 ug/l**	**0.67 ug/l**	**0.67 ug/l**
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	**0.05 ug/l**		**2.8 a ug/l**	ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l
2-Methylnaphthalene			< 0.24 ug/l	< 0.25 ug/l	< 0.24 ug/l	25 ug/l	< 0.24 ug/l	< 0.24 ug/l
Acenaphthene	**400 ug/l**		26 ug/l	< 0.29 ug/l	< 0.28 ug/l	13 ug/l	11 ug/l	13 ug/l
Acenaphthylene			1.0 j ug/l	< 0.25 ug/l	< 0.24 ug/l	0.55 j ug/l	0.29 j ug/l	0.34 j ug/l
Anthracene	2000 ug/l	0.035 ug/l	4.7 j ug/l	< 0.63 ug/l	< 0.61 ug/l	0.89 j ug/l	1.1 j ug/l	1.2 j ug/l
Benzo(g,h,i)perylene			< 0.81 ug/l	< 0.83 ug/l	< 0.81 ug/l	< 0.81 ug/l	< 0.81 ug/l	< 0.81 ug/l
Fluoranthene	**300 ug/l**		30 ug/l	< 0.67 ug/l	< 0.65 ug/l	< 0.65 ug/l	< 0.65 ug/l	< 0.65 ug/l
Fluorene	**300 ug/l**		7.6 j ug/l	< 0.33 ug/l	< 0.32 ug/l	5.5 j ug/l	8.2 j ug/l	10 ug/l
Naphthalene	**300 ug/l**		< 0.37 ug/l	< 0.38 ug/l	< 0.37 ug/l	150 ug/l	< 0.37 ug/l	< 0.37 ug/l
Phenanthrene			4.6 j ug/l	< 0.49 ug/l	< 0.48 ug/l	1.2 j ug/l	< 0.48 ug/l	2.1 j ug/l
Pyrene	**200 ug/l**		20 ug/l	< 0.75 ug/l	< 0.73 ug/l	< 0.73 ug/l	< 0.73 ug/l	< 0.73 ug/l
Pentachlorophenol	**1 ug/l**	5.5 ug/l	**1600 ug/l**	**350 ug/l**	**140 ug/l**	**2100 ug/l**	**170 ug/l**	**160 ug/l**

-Data qualifiers and footnotes are detailed in Table 38.
-W411, constructed as an extraction well and classified as such, has never been used for active extraction purposes.

Table 25
Groundwater Quality Data
Extraction Wells
St. Regis paper Company Site

		Sys Loc Code	W406	W407		W408	W409	W410
		Sample Date	5/10/2012	5/10/2012		5/9/2012	5/10/2012	5/12/2012
		Sample Type Code	N	N	FD	N	N	N
5.6	Drinking Water Criteria	Intervention Limits						
Exceedance Key	**Bold**	Underline						
SVOCs								
Benz(a)anthracene			< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.59 ug/l	< 0.0092 ug/l	< 0.0058 ug/l
Chrysene			< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.79 ug/l	< 0.0057 ug/l	0.0035 j ug/l
Benzo(b)fluoranthene			< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.58 ug/l	< 0.0037 ug/l	< 0.0024 ug/l
Benzo(k)fluoranthene			< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.83 ug/l	< 0.0026 ug/l	< 0.0026 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.65 ug/l	< 0.0045 ug/l	< 0.0044 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.68 ug/l	< 0.0027 ug/l	< 0.0027 ug/l
Dibenz(a,h)anthracene			< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.75 ug/l	< 0.0026 ug/l	< 0.0026 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	**0.05 ug/l**		0.0034 ug/l	0.0034 ug/l	0.0034 ug/l	**0.67 ug/l**	0.0039 ug/l	0.0036 a ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	**0.05 ug/l**		ND ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l	0.000040 a ug/l
2-Methylnaphthalene			0.064 ug/l	< 0.0056 ug/l	< 0.0050 ug/l	< 0.24 ug/l	130 ug/l	< 0.0024 ug/l
Acenaphthene	**400 ug/l**		0.17 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	6.2 j ug/l	66 ug/l	< 0.0045 ug/l
Acenaphthylene			0.0075 j ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.24 ug/l	1.0 ug/l	< 0.0035 ug/l
Anthracene	2000 ug/l	0.035 ug/l	0.073 ug/l	< 0.012 ug/l	< 0.012 ug/l	< 0.61 ug/l	1.3 ug/l	0.023 ug/l
Benzo(g,h,i)perylene			< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.81 ug/l	< 0.0030 ug/l	< 0.0030 ug/l
Fluoranthene	**300 ug/l**		0.061 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.65 ug/l	0.019 j ug/l	0.055 ug/l
Fluorene	**300 ug/l**		0.15 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	1.6 j ug/l	29 ug/l	0.0048 j ug/l
Naphthalene	**300 ug/l**		< 0.13 ug/l	< 0.15 ug/l	< 0.22 ug/l	1.7 j ug/l	**1000 ug/l**	0.090 ug/l
Phenanthrene			0.32 ug/l	< 0.0050 ug/l	< 0.0050 ug/l	< 0.48 ug/l	6.7 ug/l	0.092 ug/l
Pyrene	**200 ug/l**		0.032 ug/l	< 0.0035 ug/l	< 0.0035 ug/l	< 0.73 ug/l	0.14 ug/l	0.028 ug/l
Pentachlorophenol	**1 ug/l**	5.5 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	**250 ug/l**	**5600 ug/l**	< 0.16 ug/l

-Data qualifiers and footnotes are detailed in Table 38.
-W411, constructed as an extraction well and classified as such, has never been used for active extraction purposes.

Table 25
Groundwater Quality Data
Extraction Wells
St. Regis paper Company Site

		Sys Loc Code	W411	W2401	W2402	W2403
		Sample Date	5/11/2012	5/11/2012	5/11/2012	5/11/2012
		Sample Type Code	N	N	N	N
5.6	Drinking Water Criteria	Intervention Limits				
Exceedance Key	**Bold**	Underline				
SVOCs						
Benz(a)anthracene			< 0.0039 ug/l	230 ug/l	< 0.60 ug/l	< 0.59 ug/l
Chrysene			< 0.0034 ug/l	220 ug/l	< 0.80 ug/l	< 0.79 ug/l
Benzo(b)fluoranthene			< 0.0023 ug/l	130 ug/l	< 0.59 ug/l	< 0.58 ug/l
Benzo(k)fluoranthene			< 0.0025 ug/l	50 j ug/l	< 0.84 ug/l	< 0.83 ug/l
Benzo(a)pyrene		0.00051 (1) ug/l	< 0.0043 ug/l	79 j ug/l	< 0.66 ug/l	< 0.65 ug/l
Indeno(1,2,3-cd)pyrene			< 0.0026 ug/l	22 j ug/l	< 0.69 ug/l	< 0.68 ug/l
Dibenz(a,h)anthracene			< 0.0025 ug/l	< 7.5 ug/l	< 0.76 ug/l	< 0.75 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	**0.05 ug/l**		0.0034 ug/l	**130 a ug/l**	**0.68 ug/l**	**0.67 ug/l**
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	**0.05 ug/l**		ND ug/l	**120 a ug/l**	ND ug/l	ND ug/l
2-Methylnaphthalene			0.0048 j ug/l	1300 ug/l	< 0.25 ug/l	91 ug/l
Acenaphthene	**400 ug/l**		< 0.0044 ug/l	**1400 ug/l**	< 0.29 ug/l	98 ug/l
Acenaphthylene			< 0.0034 ug/l	32 j ug/l	< 0.25 ug/l	2.4 j ug/l
Anthracene	2000 ug/l	0.035 ug/l	0.045 ug/l	420 ug/l	< 0.62 ug/l	6.7 j ug/l
Benzo(g,h,i)perylene			< 0.0029 ug/l	18 j ug/l	< 0.82 ug/l	< 0.81 ug/l
Fluoranthene	**300 ug/l**		< 0.0044 ug/l	**1300 ug/l**	< 0.66 ug/l	1.7 j ug/l
Fluorene	**300 ug/l**		< 0.0038 ug/l	**1100 ug/l**	< 0.33 ug/l	51 ug/l
Naphthalene	**300 ug/l**		0.21 ug/l	**1300 ug/l**	< 0.38 ug/l	**830 ug/l**
Phenanthrene			< 0.0063 ug/l	2600 ug/l	< 0.49 ug/l	29 ug/l
Pyrene	**200 ug/l**		< 0.0035 ug/l	**670 ug/l**	< 0.74 ug/l	< 0.73 ug/l
Pentachlorophenol	**1 ug/l**	5.5 ug/l	**220 ug/l**	**2500 ug/l**	**86 ug/l**	**1800 ug/l**

-Data qualifiers and footnotes are detailed in Table 38.
-W411, constructed as an extraction well and classified as such,
has never been used for active extraction purposes.

Table 26
Groundwater Quality Data- Extraction Wells
Additional Parameters
St. Regis Paper Copany Site

Sys Loc Code	W409
Sample Date	5/10/2012
Sample Type Code	N
Chemical Name	
SVOCs	
1,6-Dinitropyrene	< 6.5 ng/l
1,8-Dinitropyrene	< 7.9 ng/l
1-Nitropyrene	< 2.4 ng/l
2-Nitrofluorene	< 4.7 ng/l
3-Methylcholanthrene	< 5.5 ng/l
5-Methylchrysene	< 0.82 ng/l
5-Nitroacenapthene	< 5.8 ng/l
6-Nitrochrysene	< 0.98 ng/l
7,12-Dimethylbenz(a)anthracene	< 1.1 ng/l
7h-Dibenzo(c,g)carbazole	< 0.99 ng/l
Benzo(b&j)fluoranthene	< 1.2 ng/l
Dibenz(a,h)acridine	< 1.5 ng/l
Dibenz(a,j)acridine	< 0.83 ng/l
Dibenzo(a,e)pyrene	< 1.7 ng/l
Dibenzo(a,l)pyrene	< 1.3 ng/l
Dibenzo(a,h)pyrene	< 1.0 ng/l
Dibenzo(a,i)pyrene	< 1.2 ng/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 27
Water Quality Over Time
Extraction Wells
St. Regis Paper Company Site

Sys Loc Code Chemical Name		W401 PCP	W402 PCP	W403 PCP	W404 PCP	W405 PCP	W406 PCP	W407 PCP	W408 PCP	W409 PCP	W410 PCP	W411 PCP	W2401 PCP	W2402 PCP	W2403 PCP
Sample Date	Sample Type Code														
01/27/1987	N	**2100 ug/l**	**1200 ug/l**	**22000 ug/l**	**5600 ug/l**	**9400 ug/l**	**38 ug/l**	< 5 ug/l	**9400 ug/l**	**15000 ug/l**	**160 ug/l**	--	--	--	--
03/09/1987	N	--	--	**14000 ug/l**	--	--	--	--	--	--	--	--	--	--	--
04/02/1987	N	**650 ug/l**	**1800 ug/l**	**14000 ug/l**	**9400 ug/l**	**10000 ug/l**	**47 ug/l**	< 5 ug/l	**10000 ug/l**	**15000 ug/l**	**420 ug/l**	--	--	--	--
09/10/1987	N	**3000 ug/l**	**1600 ug/l**	**9300 ug/l**	**17000 ug/l**	**8000 ug/l**	< 6 ug/l	< 6 ug/l	**9900 ug/l**	**21000 ug/l**	< 6 ug/l	--	--	--	--
10/20/1987	N	--	--	--	--	--	--	--	--	--	--	**690 ug/l**	--	--	--
05/16/1988	N	**2000 ug/l**	**1300 ug/l**	**2200 ug/l**	**6300 ug/l**	**4500 ug/l**	**12 ug/l**	< 5 ug/l	**5000 ug/l**	**18000 ug/l**	**280 ug/l**	--	--	--	--
12/21/1988	N	--	--	--	--	--	--	--	--	--	--	--	**16000 ug/l**	**17000 ug/l**	**6900 ug/l**
11/20/1989	N	--	--	--	--	**170 ug/l**	--	--	--	--	**12000 ug/l**	--	--	--	--
12/19/1989	N	**56 ug/l**	**1200 ug/l**	**1500 ug/l**	**9000 ug/l**	**7000 ug/l**	< 5 ug/l	--	**5600 ug/l**	**8900 ug/l**	**130 ug/l**	--	--	**2500 ug/l**	**4500 ug/l**
06/26/1990	N	**2500 ug/l**	**1600 ug/l**	**1100 ug/l**	--	--	--	--	**6200 ug/l**	**8700 ug/l**	**80 ug/l**	--	--	--	--
06/28/1990	N	--	--	--	--	--	--	--	--	--	--	--	--	**1100 ug/l**	**3000 ug/l**
12/04/1990	N	**1500 ug/l**	**700 ug/l**	**790 ug/l**	--	**5500 ug/l**	--	--	**4800 ug/l**	**5800 ug/l**	**39 ug/l**	--	--	**700 ug/l**	**2600 ug/l**
06/18/1991	N	**1600 ug/l**	--	**1200 ug/l**	--	--	< 10 ug/l < 10 ug/l	--	**5300 ug/l**	**6600 ug/l**	< 10 ug/l	--	--	--	--
06/20/1991	N	--	--	--	--	--	--	--	--	--	--	--	--	**720 ug/l**	**3000 ug/l**
12/17/1991	N	**3900 ug/l**	**1600 ug/l**	**1200 ug/l**	--	**1500 ug/l**	--	--	**9100 ug/l**	**11000 ug/l**	--	--	--	**820 ug/l** **860 ug/l**	**3800 ug/l**
05/26/1992	N	**1500 ug/l**	**1100 ug/l**	**560 ug/l**	--	**840 ug/l**	--	--	**3800 ug/l**	**5400 ug/l** **6200 ug/l**	< 5 ug/l	--	--	--	--
05/27/1992	N	--	--	--	--	--	--	--	--	--	--	--	--	**580 ug/l**	**3400 ug/l**
06/01/1993	N	**970 ug/l**	**810 ug/l**	**300 ug/l**	--	**6400 ug/l** **6000 ug/l**	< 5 ug/l	< 5 ug/l	**4400 ug/l**	**4800 ug/l**	< 5 ug/l	--	--	--	--
06/02/1993	N	--	--	--	--	--	--	--	--	--	--	--	**3100 ug/l** **4200 ug/l**	**450 ug/l**	**2800 ug/l**
06/13/1994	N	**2000 ug/l**	**2200 ug/l**	**320 ug/l**	--	**6500 ug/l**	< 5 ug/l	< 5 ug/l	**3100 ug/l**	**3700 ug/l**	**8 ug/l** **7 ug/l**	--	--	--	--
06/15/1994	N	--	--	--	--	--	--	--	--	--	--	--	**3800 ug/l**	**280 ug/l**	**1900 ug/l**
06/07/1995	N	**890 ug/l**	**1200 ug/l**	**190 ug/l**	--	**5300 ug/l**	< 5 ug/l	< 5 ug/l	**1300 ug/l**	**2100 ug/l**	**14 ug/l**	--	**1800 ug/l**	**220 ug/l**	**1600 ug/l**
06/05/1996	N	--	--	--	--	--	--	--	**2000 ug/l**	--	--	--	--	--	--
06/04/1997	N	**1000 ug/l** **1000 ug/l**	**950 ug/l**	**560 ug/l**	--	**5300 ug/l**	**58 ug/l**	< 50 ug/l	**2000 ug/l**	**5000 ug/l**	--	--	--	--	--
06/05/1997	N	--	--	--	--	--	--	--	--	--	--	--	**5700 ug/l**	**1000 ug/l**	**2200 ug/l**
05/01/1998	N	--	--	--	--	--	--	--	**1200 ug/l**	--	--	--	--	--	--
05/01/1998	FD	--	--	--	--	--	--	--	**1200 ug/l**	--	--	--	--	--	--
05/14/1999	N	**1500 ug/l**	**1300 ug/l**	**640 ug/l**	--	**7000 ug/l**	< 50 ug/l	< 50 ug/l	**1800 ug/l**	**2900 ug/l**	< 50 ug/l	--	**4400 ug/l**	**1400 ug/l**	**3500 ug/l**
05/14/1999	FD	**1200 ug/l**	--	--	--	--	--	--	--	--	--	--	--	--	--
05/15/1999	N	--	--	--	--	--	--	--	--	--	--	**350 ug/l**	--	--	--
04/21/2001	N	--	--	**530 ug/l**	--	--	--	--	--	--	**50 ug/l**	--	--	--	--
04/22/2001	N	**1700 ug/l**	**1900 ug/l** **2100 ug/l**	--	--	**7400 ug/l**	< 24 ug/l	< 24 ug/l	**1200 ug/l**	**3100 ug/l** **3600 ug/l**	**47 ug/l**	--	--	--	--
04/25/2001	N	--	--	--	--	--	--	--	--	--	--	**14 ug/l**	--	--	--
04/26/2001	N	--	--	--	--	--	--	--	--	--	--	--	--	**340 ug/l**	**3000 ug/l**
05/07/2001	N	--	--	--	--	--	--	--	--	--	--	--	**3200 ug/l**	--	--
05/02/2002	N	--	--	--	--	--	--	--	**430 ug/l**	--	--	--	--	--	--
05/02/2002	FD	--	--	--	--	--	--	--	**440 ug/l**	--	--	--	--	--	--

Table 27
Water Quality Over Time
Extraction Wells
St. Regis Paper Company Site

Sys Loc Code Chemical Name		W401 PCP	W402 PCP	W403 PCP	W404 PCP	W405 PCP	W406 PCP	W407 PCP	W408 PCP	W409 PCP	W410 PCP	W411 PCP	W2401 PCP	W2402 PCP	W2403 PCP
Sample Date	Sample Type Code														
05/08/2003	N	--	--	--	--	--	--	--	--	--	--	**12 ug/l**	--	--	--
05/09/2003	N	**1700 ug/l**	**290 ug/l** **250 ug/l**	**400 ug/l**	--	**7500 ug/l**	< 0.50 ug/l	< 0.50 ug/l	**700 ug/l**	**1700 ug/l**	**3.1 ug/l**	--	**3100 ug/l**	< 0.50 ug/l	**1800 ug/l**
05/09/2003	FD	--	**260 ug/l**	--	--	--	--	--	--	--	--	--	--	--	--
04/26/2004	N	--	--	--	--	--	--	--	**450 ug/l**	--	--	--	--	--	--
05/08/2005	N	**2200 ug/l**	**950 ug/l**	**820 ug/l**	--	**9900 ug/l**	< 0.50 ug/l	< 0.50 ug/l	**820 ug/l**	**1900 ug/l**	< 20 ug/l	--	--	--	--
05/08/2005	FD	--	--	--	--	--	--	--	**870 ug/l**	--	--	--	--	--	--
05/09/2005	N	--	--	--	--	--	--	--	--	--	--	--	**2900 ug/l**	**220 ug/l**	**2100 ug/l**
05/14/2005	N	--	--	--	--	--	--	--	--	--	--	**17 ug/l**	--	--	--
09/18/2006	N	--	--	--	--	--	--	--	--	--	--	**31 ug/l**	--	--	--
09/19/2006	N	**1300 ug/l**	**88 ug/l**	**450 ug/l**	--	**7700 ug/l**	< 0.13 ug/l	< 0.13 ug/l	**660 ug/l**	**2100 ug/l**	**36 ug/l**	--	**4200 ug/l**	**370 ug/l**	**1700 ug/l**
09/19/2006	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	**1800 ug/l**
05/15/2007	N	--	--	--	--	--	--	--	--	--	--	**11 ug/l**	--	--	--
05/17/2007	N	**1500 ug/l**	**960 ug/l**	**450 ug/l**	--	**7200 ug/l**	< 0.13 ug/l	< 0.13 ug/l	**580 ug/l**	**1800 ug/l**	**30 ug/l**	--	**4900 ug/l**	**250 ug/l**	**2300 ug/l**
05/17/2007	FD	--	--	--	--	--	--	--	**520 ug/l**	--	--	--	--	--	--
05/25/2008	N	--	--	--	--	--	--	--	--	--	--	**15 ug/l**	--	--	--
05/28/2008	N	--	--	--	--	--	--	--	--	**2000 ug/l**	--	--	--	--	--
05/29/2008	N	**1800 h ug/l**	**1300 h ug/l**	**460 hj ug/l**	--	**11000 ug/l**	< 0.080 h ug/l < 2.5 h ug/l	< 0.080 h ug/l	**84 * ug/l**	--	**110 h ug/l**	--	**4500 hj ug/l**	**110 h ug/l**	**2100 h ug/l**
05/29/2008	FD	--	--	--	--	--	--	--	**620 * ug/l**	--	--	--	--	--	--
05/02/2010	N	--	--	--	--	--	--	--	--	--	--	**7.1 ug/l**	--	--	--
05/03/2010	N	--	--	--	--	--	--	--	--	**4800 h ug/l**	--	--	--	--	--
05/05/2010	N	--	--	--	--	--	--	--	--	--	--	--	**4500 ug/l**	**200 ug/l**	**1100 ug/l**
05/06/2010	N	**690 ug/l**	**110 ug/l**	**36 ug/l**	**1300 ug/l**	**2300 * ug/l**	--	< 0.070 ug/l < 0.55 ug/l	--	--	**1.2 ug/l** **1.7 ug/l**	--	--	--	--
05/06/2010	FD	--	--	--	--	**2600 * ug/l**	--	< 0.070 ug/l < 0.43 ug/l	--	--	--	--	--	--	--
05/09/2012	N	--	--	--	--	--	--	--	**250 ug/l**	--	--	--	--	--	--
05/10/2012	N	--	--	--	--	--	< 0.16 ug/l	< 0.16 ug/l	--	**5600 ug/l**	--	--	--	--	--
05/10/2012	FD	--	--	--	--	--	--	< 0.16 ug/l	--	--	--	--	--	--	--
05/11/2012	N	--	--	--	--	--	--	--	--	--	--	**220 ug/l**	**2500 ug/l**	**86 ug/l**	**1800 ug/l**
05/12/2012	N	**1600 ug/l**	**350 ug/l**	**140 ug/l**	**2100 ug/l**	**170 ug/l**	--	--	--	--	< 0.16 ug/l	--	--	--	--
05/12/2012	FD	--	--	--	--	**160 ug/l**	--	--	--	--	--	--	--	--	--

- Data qualifiers and footnotes are detailed in Table 38.
- PCP = Pentachlorophenol
- W411, constructed as an extraction well and classified as such, has never been used for active groundwater extraction purposes.

Table 28
Water Quality Data -Pentachlorophenol
Cass Lake Water Treatment Plant
St. Regis Paper Company Site

		Influent	Primary Adsorber	Secondary Adsorber	Effluent	Effluent Limitation
Sample Date	Sample Type Code					
			Ads A	**Ads B**	**Ads C**	
01/03/2012	N	1600 ug/l	1400 ug/l	1.5 ug/l	< 0.070 ug/l	5.5
02/08/2012	N	1600 ug/l	38 ug/l	< 0.070 ug/l	< 0.070 ug/l	5.5
03/06/2012	N	1600 ug/l	120 ug/l	0.10 j ug/l	0.099 j ug/l	5.5
			ADSB	**ADSC**	**ADSA**	
4/4/2012	N	1700 ug/l	290 ug/l	< 0.16 ug/l	< 0.16 ug/l	5.5
4/4/2012	FD	--	--	--	< 0.16 ug/l	5.5
5/2/2012	N	1700 ug/l	540 ug/l	< 0.16 ug/l	< 0.16 ug/l	5.5
6/5/2012	N	1700 ug/l	910 ug/l	< 0.16 ug/l	< 0.16 ug/l	5.5
			ADSB	**ADSC**	**ADSA**	
07/09/2012	N	1700 ug/l	1000 ug/l	0.76 ug/l	< 0.16 ug/l	5.5
08/07/2012	N	1700 ug/l	1500 ug/l	4.9 ug/l	< 0.16 ug/l	5.5
08/07/2012	FD	--	--	--	< 0.16 ug/l	5.5
09/11/2012	N	1400 ug/l	45 ug/l	< 0.16 ug/l	< 0.16 ug/l	5.5
			ADSC	**ADSA**	**ADSB**	
10/08/2012	N	1700 ug/l	300 ug/l	< 0.16 ug/l	< 0.16 ug/l	5.5
11/06/2012	N	1900 ug/l	600 ug/l	0.43 j ug/l	< 0.16 ug/l	5.5
12/11/2012	N	2100 ug/l	1200 ug/l	10 ug/l	< 0.16 ug/l	5.5
12/11/2012	FD	--	--	--	< 0.16 ug/l	5.5

-Data qualifiers and footnotes are detailed in Table 38.

Table 29
Water Quality Data-Effluent
Groundwater Treatment System
St. Regis Paper Company Site

	Sys Loc Code	ADSC	ADSA	ADSA	ADSA	
	Sample Date	1/3/2012	2/8/2012	3/6/2012	4/4/2012	
	Sample Type Code	N	N	N	N	FD
Chemical Name	Effluent Limitations					
Exceedance Key	**Bold**					
Metals						
Arsenic	53 ug/l	0.6 ug/l	0.70 ug/l	0.58 ug/l	0.5 ug/l	--
Arsenic	53 ug/l	--	--	--	--	--
Chromium	11 CR ug/l	0.14 j ug/l	0.10 j ug/l	0.53 ug/l	0.03 j ug/l	--
Copper	9.8 HD ug/l	0.38 ug/l	0.72 ug/l	0.90 ug/l	0.59 ug/l	--
Total Petroleum Hydrocarbons						
Diesel Range Organics-silica gel cleanup	200 ug/l	< 16 ug/l	< 15 ug/l	< 16 ug/l	< 15 ug/l	--
VOCs						
Benzene	114 ug/l	< 0.054 ug/l	< 0.054 ug/l	< 0.062 ug/l	< 0.062 ug/l	--
Ethyl benzene	68 ug/l	< 0.050 ug/l	< 0.050 ug/l	< 0.050 ug/l	< 0.050 ug/l	--
Toluene	253 ug/l	< 0.052 ug/l	< 0.052 ug/l	< 0.054 ug/l	0.060 jb ug/l	--
Xylene, m & p	166 ug/l	< 0.091 ug/l	< 0.091 ug/l	< 0.11 ug/l	< 0.11 ug/l	--
Xylene, o	166 ug/l	< 0.074 ug/l	< 0.074 ug/l	< 0.074 ug/l	< 0.074 ug/l	--
SVOCs						
2-Methylnaphthalene		< 0.0023 ug/l	0.0039 j ug/l	0.0041 j ug/l	< 0.0023 ug/l	--
Acenaphthene	12 ug/l	0.0046 j ug/l	0.023 ug/l	0.021 ug/l	0.0072 j ug/l	--
Acenaphthylene		< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	--
Anthracene	0.029 ug/l	< 0.0036 ug/l	0.0072 j ug/l	0.0076 j ug/l	< 0.0036 ug/l	--
Benz(a)anthracene		0.0048 j ug/l	0.0059 j ug/l	0.0051 j ug/l	< 0.0056 ug/l	--
Benzo(a)pyrene	0.00051 ug/l (1)	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	--
Benzo(b)fluoranthene		< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	--
Benzo(g,h,i)perylene		< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	--
Benzo(k)fluoranthene		< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	--
Chrysene		< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	--
Dibenz(a,h)anthracene		< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	--
Fluoranthene	20 ug/l	0.012 j ug/l	0.035 ug/l	0.029 ug/l	0.015 j ug/l	--
Fluorene		0.0054 j ug/l	0.023 ug/l	0.022 ug/l	0.0090 j ug/l	--
Indeno(1,2,3-cd)pyrene		< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	--
Naphthalene	81 ug/l	0.0035 j ug/l	0.0094 j ug/l	0.040 ug/l	0.026 ug/l	--
Phenanthrene	2.1 ug/l	0.0064 j ug/l	0.041 ug/l	0.044 ug/l	0.019 j ug/l	--
Pyrene		0.0083 j ug/l	0.022 ug/l	0.019 j ug/l	0.011 j ug/l	--
Pentachlorophenol	5.5 ug/l	< 0.070 ug/l	< 0.070 ug/l	0.099 j ug/l	< 0.16 ug/l	< 0.16 ug/l
Chlorinated Dioxins / Furans						
2,3,7,8-Dioxin, tetra	0.0038 pg/l	--	< 0.705 pg/l	--	--	--
1,2,3,7,8-Dioxin, penta	0.0084 pg/l	--	< 0.760 pg/l	--	--	--
1,2,3,4,7,8-Dioxin, hexa	0.1267 pg/l	--	< 0.847 pg/l	--	--	--
1,2,3,6,7,8-Dioxin, hexa	0.38 pg/l	--	< 0.775 pg/l	--	--	--
1,2,3,7,8,9-Dioxin, hexa	0.38 pg/l	--	< 0.792 pg/l	--	--	--
1,2,3,4,6,7,8-Dioxin, hepta	7.6 pg/l (1)	--	5.30 j pg/l	--	--	--
Dioxin, octa	**380 pg/l**	--	54.8 pg/l	--	--	--
2,3,7,8-Dibenzofuran, tetra	0.0475 pg/l	--	< 0.807 pg/l	--	--	--
1,2,3,7,8-Dibenzofuran, penta	0.38 pg/l	--	< 0.412 pg/l	--	--	--
2,3,4,7,8-Dibenzofuran, penta	0.00475 pg/l	--	< 0.419 pg/l	--	--	--
1,2,3,4,7,8-Dibenzofuran, hexa	0.475 pg/l	--	< 0.676 pg/l	--	--	--
1,2,3,6,7,8-Dibenzofuran, hexa	0.19 pg/l	--	< 0.555 pg/l	--	--	--
1,2,3,7,8,9-Dibenzofuran, hexa	0.0633 pg/l	--	< 0.751 pg/l	--	--	--
2,3,4,6,7,8-Dibenzofuran, hexa	0.0543 pg/l	--	< 0.637 pg/l	--	--	--
1,2,3,4,6,7,8-Dibenzofuran, hepta	38 pg/l	--	1.67 j pg/l	--	--	--
1,2,3,4,7,8,9-Dibenzofuran, hepta	0.95 pg/l	--	< 0.864 pg/l	--	--	--
Dibenzofuran, octa	190 pg/l	--	6.89 j pg/l	--	--	--

-Data qualifiers and footnotes are detailed in Table 38.

Table 29
Water Quality Data-Effluent
Groundwater Treatment System
St. Regis Paper Company Site

	Sys Loc Code	ADSA		ADSA		ADSA	
	Sample Date	5/2/2012		6/5/2012		7/9/2012	
	Sample Type Code	N	FD	N	FD	N	FD
Chemical Name	Effluent Limitations						
Exceedance Key	**Bold**						
Metals							
Arsenic	53 ug/l	0.58 ug/l	--	0.5 ug/l	0.5 ug/l	0.4 j ug/l	--
Arsenic	53 ug/l	--	--	--	--	--	--
Chromium	11 CR ug/l	0.14 j ug/l	--	0.03 j ug/l	< 0.02 ug/l	0.19 j ug/l	--
Copper	9.8 HD ug/l	0.63 ug/l	--	0.62 ug/l	0.58 ug/l	0.81 ug/l	--
Total Petroleum Hydrocarbons							
Diesel Range Organics-silica gel cleanup	200 ug/l	< 16 ug/l	--	< 16 ug/l	--	< 20 ug/l	--
VOCs							
Benzene	114 ug/l	< 0.062 ug/l	--	< 0.062 ug/l	--	< 0.062 ug/l	< 0.062 ug/l
Ethyl benzene	68 ug/l	< 0.050 ug/l	--	< 0.050 ug/l	--	< 0.050 ug/l	< 0.050 ug/l
Toluene	253 ug/l	0.060 j ug/l	--	< 0.054 ug/l	--	< 0.054 ug/l	< 0.054 ug/l
Xylene, m & p	166 ug/l	< 0.11 ug/l	--	< 0.11 ug/l	--	< 0.11 ug/l	< 0.11 ug/l
Xylene, o	166 ug/l	< 0.074 ug/l	--	< 0.074 ug/l	--	< 0.074 ug/l	< 0.074 ug/l
SVOCs							
2-Methylnaphthalene		< 0.0024 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	--	< 0.0023 ug/l	--
Acenaphthene	12 ug/l	0.0075 j ug/l	0.0046 j ug/l	0.0065 j ug/l	--	0.0045 j ug/l	--
Acenaphthylene		< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	--	< 0.0034 ug/l	--
Anthracene	0.029 ug/l	< 0.017 ug/l	< 0.0039 ug/l	0.0053 j ug/l	--	< 0.0036 ug/l	--
Benz(a)anthracene		< 0.014 ug/l	< 0.0042 ug/l	< 0.010 ug/l	--	0.0072 j ug/l	--
Benzo(a)pyrene	0.00051 ug/l (1)	< 0.0043 ug/l	< 0.0043 ug/l	0.0069 j ug/l	--	< 0.0077 ug/l	--
Benzo(b)fluoranthene		0.0047 j ug/l	< 0.0023 ug/l	0.0070 j ug/l	--	0.0033 j ug/l	--
Benzo(g,h,i)perylene		0.0032 j ug/l	< 0.0029 ug/l	0.0040 j ug/l	--	< 0.0029 ug/l	--
Benzo(k)fluoranthene		0.0044 j ug/l	< 0.0025 ug/l	0.0050 j ug/l	--	< 0.0025 ug/l	--
Chrysene		< 0.012 ug/l	< 0.0034 ug/l	0.0076 j ug/l	--	0.0040 j ug/l	--
Dibenz(a,h)anthracene		0.0034 j ug/l	< 0.0025 ug/l	0.0028 j ug/l	--	< 0.0025 ug/l	--
Fluoranthene	20 ug/l	0.018 j ug/l	0.013 j ug/l	0.023 ug/l	--	0.018 j ug/l	--
Fluorene		< 0.012 ug/l	< 0.0065 ug/l	0.0093 j ug/l	--	0.0062 j ug/l	--
Indeno(1,2,3-cd)pyrene		< 0.0026 ug/l	< 0.0026 ug/l	0.0056 j ug/l	--	< 0.0026 ug/l	--
Naphthalene	81 ug/l	< 0.0061 ug/l	< 0.0091 ug/l	0.0069 j ug/l	--	0.090 ug/l	--
Phenanthrene	2.1 ug/l	< 0.023 ug/l	< 0.013 ug/l	0.018 j ug/l	--	0.012 j ug/l	--
Pyrene		0.0090 j ug/l	0.0066 j ug/l	0.017 j ug/l	--	0.014 j ug/l	--
Pentachlorophenol	5.5 ug/l	< 0.16 ug/l	--	< 0.16 ug/l	--	< 0.16 ug/l	--
Chlorinated Dioxins / Furans							
2,3,7,8-Dioxin, tetra	0.0038 pg/l	< 0.850 pg/l	--	--	--	--	--
1,2,3,7,8-Dioxin, penta	0.0084 pg/l	< 0.986 pg/l	--	--	--	--	--
1,2,3,4,7,8-Dioxin, hexa	0.1267 pg/l	< 0.864 pg/l	--	--	--	--	--
1,2,3,6,7,8-Dioxin, hexa	0.38 pg/l	< 0.759 pg/l	--	--	--	--	--
1,2,3,7,8,9-Dioxin, hexa	0.38 pg/l	< 0.772 pg/l	--	--	--	--	--
1,2,3,4,6,7,8-Dioxin, hepta	7.6 pg/l (1)	10.6 j pg/l	--	--	--	--	--
Dioxin, octa	**380 pg/l**	88.7 pg/l	--	--	--	--	--
2,3,7,8-Dibenzofuran, tetra	0.0475 pg/l	< 0.785 pg/l	--	--	--	--	--
1,2,3,7,8-Dibenzofuran, penta	0.38 pg/l	< 0.468 pg/l	--	--	--	--	--
2,3,4,7,8-Dibenzofuran, penta	0.00475 pg/l	< 0.497 pg/l	--	--	--	--	--
1,2,3,4,7,8-Dibenzofuran, hexa	0.475 pg/l	< 0.400 pg/l	--	--	--	--	--
1,2,3,6,7,8-Dibenzofuran, hexa	0.19 pg/l	< 0.356 pg/l	--	--	--	--	--
1,2,3,7,8,9-Dibenzofuran, hexa	0.0633 pg/l	< 0.482 pg/l	--	--	--	--	--
2,3,4,6,7,8-Dibenzofuran, hexa	0.0543 pg/l	< 0.408 pg/l	--	--	--	--	--
1,2,3,4,6,7,8-Dibenzofuran, hepta	38 pg/l	3.66 j pg/l	--	--	--	--	--
1,2,3,4,7,8,9-Dibenzofuran, hepta	0.95 pg/l	< 0.687 pg/l	--	--	--	--	--
Dibenzofuran, octa	190 pg/l	44.2 j pg/l	--	--	--	--	--

-Data qualifiers and footnotes are detailed in Table 38.

Table 29
Water Quality Data-Effluent
Groundwater Treatment System
St. Regis Paper Company Site

	Sys Loc Code	ADSA		ADSB		ADSB	
	Sample Date	8/7/2012		9/11/2012		10/8/2012	
	Sample Type Code	N	FD	N	FD	N	FD
Chemical Name	Effluent Limitations						
Exceedance Key	**Bold**						
Metals							
Arsenic	53 ug/l	< 0.60 ug/l	--	1.16 ug/l	--	0.87 ug/l	--
Arsenic	53 ug/l	--	--	--	--	--	--
Chromium	11 CR ug/l	0.30 ug/l	--	0.14 j ug/l	--	0.11 j ug/l	--
Copper	9.8 HD ug/l	0.71 ug/l	--	0.43 ug/l	--	0.49 ug/l	--
Total Petroleum Hydrocarbons							
Diesel Range Organics-silica gel cleanup	200 ug/l	< 18.0 ug/l	--	< 32 ug/l	< 24 ug/l	< 15 h ug/l	--
VOCs							
Benzene	114 ug/l	< 0.062 ug/l	--	< 0.062 ug/l	--	< 0.062 ug/l	--
Ethyl benzene	68 ug/l	< 0.050 ug/l	--	< 0.050 ug/l	--	< 0.050 ug/l	--
Toluene	253 ug/l	< 0.054 ug/l	--	< 0.054 ug/l	--	< 0.054 ug/l	--
Xylene, m & p	166 ug/l	< 0.11 ug/l	--	< 0.11 ug/l	--	< 0.11 ug/l	--
Xylene, o	166 ug/l	< 0.074 ug/l	--	< 0.074 ug/l	--	< 0.074 ug/l	--
SVOCs							
2-Methylnaphthalene		< 0.0023 ug/l	--	< 0.0023 ug/l	--	< 0.0023 ug/l	--
Acenaphthene	12 ug/l	< 0.0044 ug/l	--	0.013 j ug/l	--	0.0083 j ug/l	--
Acenaphthylene		< 0.0034 ug/l	--	< 0.0034 ug/l	--	< 0.0034 ug/l	--
Anthracene	0.029 ug/l	< 0.0036 ug/l	--	0.0069 j ug/l	--	0.0059 j ug/l	--
Benz(a)anthracene		0.0057 j ug/l	--	0.0054 j ug/l	--	0.0080 j ug/l	--
Benzo(a)pyrene	0.00051 ug/l (1)	< 0.0043 ug/l	--	< 0.0043 ug/l	--	< 0.0043 ug/l	--
Benzo(b)fluoranthene		0.0034 j ug/l	--	0.0023 j ug/l	--	0.0050 j ug/l	--
Benzo(g,h,i)perylene		< 0.0029 ug/l	--	< 0.0029 ug/l	--	< 0.0029 ug/l	--
Benzo(k)fluoranthene		< 0.0025 ug/l	--	< 0.0025 ug/l	--	< 0.0025 ug/l	--
Chrysene		< 0.0034 ug/l	--	< 0.0034 ug/l	--	0.0055 j ug/l	--
Dibenz(a,h)anthracene		< 0.0025 ug/l	--	< 0.0025 ug/l	--	< 0.0025 ug/l	--
Fluoranthene	20 ug/l	0.012 j ug/l	--	0.029 ug/l	--	0.031 ug/l	--
Fluorene		< 0.0038 ug/l	--	0.014 j ug/l	--	0.0085 j ug/l	--
Indeno(1,2,3-cd)pyrene		< 0.0026 ug/l	--	< 0.0026 ug/l	--	< 0.0026 ug/l	--
Naphthalene	81 ug/l	0.0098 j ug/l	--	0.013 j ug/l	--	0.0040 j ug/l	--
Phenanthrene	2.1 ug/l	< 0.0050 ug/l	--	0.018 j ug/l	--	0.013 j ug/l	--
Pyrene		0.0085 j ug/l	--	0.017 j ug/l	--	0.019 j ug/l	--
Pentachlorophenol	5.5 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	--	< 0.16 ug/l	--
Chlorinated Dioxins / Furans							
2,3,7,8-Dioxin, tetra	0.0038 pg/l	< 2.82 pg/l	--	--	--	< 1.43 pg/l	< 1.45 pg/l
1,2,3,7,8-Dioxin, penta	0.0084 pg/l	< 2.94 pg/l	--	--	--	< 1.42 pg/l	< 1.63 pg/l
1,2,3,4,7,8-Dioxin, hexa	0.1267 pg/l	< 3.44 pg/l	--	--	--	< 2.51 pg/l	< 2.20 pg/l
1,2,3,6,7,8-Dioxin, hexa	0.38 pg/l	< 3.45 pg/l	--	--	--	< 2.58 pg/l	< 2.29 pg/l
1,2,3,7,8,9-Dioxin, hexa	0.38 pg/l	< 3.28 pg/l	--	--	--	< 2.43 pg/l	< 2.14 pg/l
1,2,3,4,6,7,8-Dioxin, hepta	7.6 pg/l (1)	< 24.6 pg/l	--	--	--	47.6 pg/l	29.8 pg/l
Dioxin, octa	**380 pg/l**	< 224 pg/l	--	--	--	**426 pg/l**	240 pg/l
2,3,7,8-Dibenzofuran, tetra	0.0475 pg/l	< 2.80 pg/l	--	--	--	< 0.970 pg/l	< 1.29 pg/l
1,2,3,7,8-Dibenzofuran, penta	0.38 pg/l	< 2.36 pg/l	--	--	--	< 0.801 pg/l	< 1.01 pg/l
2,3,4,7,8-Dibenzofuran, penta	0.00475 pg/l	< 2.33 pg/l	--	--	--	< 0.773 pg/l	< 0.956 pg/l
1,2,3,4,7,8-Dibenzofuran, hexa	0.475 pg/l	< 2.13 pg/l	--	--	--	< 0.826 pg/l	< 1.37 pg/l
1,2,3,6,7,8-Dibenzofuran, hexa	0.19 pg/l	< 1.94 pg/l	--	--	--	< 0.761 pg/l	< 1.34 pg/l
1,2,3,7,8,9-Dibenzofuran, hexa	0.0633 pg/l	< 2.82 pg/l	--	--	--	< 1.18 pg/l	< 2.26 pg/l
2,3,4,6,7,8-Dibenzofuran, hexa	0.0543 pg/l	< 2.20 pg/l	--	--	--	< 0.850 pg/l	< 1.54 pg/l
1,2,3,4,6,7,8-Dibenzofuran, hepta	38 pg/l	< 7.22 pg/l	--	--	--	7.13 j pg/l	4.51 j pg/l
1,2,3,4,7,8,9-Dibenzofuran, hepta	0.95 pg/l	< 3.60 pg/l	--	--	--	< 2.40 pg/l	< 2.78 pg/l
Dibenzofuran, octa	190 pg/l	< 27.5 pg/l	--	--	--	47.1 j pg/l	25.8 j pg/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 29
Water Quality Data-Effluent
Groundwater Treatment System
St. Regis Paper Company Site

	Sys Loc Code	ADSB	ADSB	
	Sample Date	11/6/2012	12/11/2012	
	Sample Type Code	N	N	FD
Chemical Name	Effluent Limitations			
Exceedance Key	**Bold**			
Metals				
Arsenic	53 ug/l	--	--	--
Arsenic	53 ug/l	0.6 ug/l	0.54 ug/l	--
Chromium	11 CR ug/l	0.13 j ug/l	< 0.06 ug/l	--
Copper	9.8 HD ug/l	0.90 ug/l	0.91 ug/l	--
Total Petroleum Hydrocarbons				
Diesel Range Organics-silica gel cleanup	200 ug/l	< 15 ug/l	< 15 ug/l	--
VOCs				
Benzene	114 ug/l	< 0.062 ug/l	< 0.062 ug/l	--
Ethyl benzene	68 ug/l	< 0.050 ug/l	< 0.050 ug/l	--
Toluene	253 ug/l	< 0.054 ug/l	< 0.054 ug/l	--
Xylene, m & p	166 ug/l	< 0.11 ug/l	< 0.11 ug/l	--
Xylene, o	166 ug/l	< 0.074 ug/l	< 0.074 ug/l	--
SVOCs				
2-Methylnaphthalene		< 0.0023 ug/l	< 0.0023 ug/l	--
Acenaphthene	12 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	--
Acenaphthylene		< 0.0034 ug/l	< 0.0034 ug/l	--
Anthracene	0.029 ug/l	< 0.0036 ug/l	< 0.0036 ug/l	--
Benz(a)anthracene		0.0079 j ug/l	0.0075 j ug/l	--
Benzo(a)pyrene	0.00051 ug/l (1)	< 0.0043 ug/l	< 0.0043 ug/l	--
Benzo(b)fluoranthene		0.0049 j ug/l	0.0051 j ug/l	--
Benzo(g,h,i)perylene		< 0.0029 ug/l	< 0.0029 ug/l	--
Benzo(k)fluoranthene		< 0.0030 ug/l	< 0.0030 ug/l	--
Chrysene		0.0041 j ug/l	0.0044 j ug/l	--
Dibenz(a,h)anthracene		< 0.0025 ug/l	< 0.0025 ug/l	--
Fluoranthene	20 ug/l	0.016 j ug/l	0.017 j ug/l	--
Fluorene		< 0.0038 ug/l	< 0.0038 ug/l	--
Indeno(1,2,3-cd)pyrene		< 0.0026 ug/l	< 0.0026 ug/l	--
Naphthalene	81 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	--
Phenanthrene	2.1 ug/l	< 0.0050 ug/l	< 0.0050 ug/l	--
Pyrene		0.014 j ug/l	0.014 j ug/l	--
Pentachlorophenol	5.5 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l
Chlorinated Dioxins / Furans				
2,3,7,8-Dioxin, tetra	0.0038 pg/l	--	--	--
1,2,3,7,8-Dioxin, penta	0.0084 pg/l	--	--	--
1,2,3,4,7,8-Dioxin, hexa	0.1267 pg/l	--	--	--
1,2,3,6,7,8-Dioxin, hexa	0.38 pg/l	--	--	--
1,2,3,7,8,9-Dioxin, hexa	0.38 pg/l	--	--	--
1,2,3,4,6,7,8-Dioxin, hepta	7.6 pg/l (1)	--	--	--
Dioxin, octa	**380 pg/l**	--	--	--
2,3,7,8-Dibenzofuran, tetra	0.0475 pg/l	--	--	--
1,2,3,7,8-Dibenzofuran, penta	0.38 pg/l	--	--	--
2,3,4,7,8-Dibenzofuran, penta	0.00475 pg/l	--	--	--
1,2,3,4,7,8-Dibenzofuran, hexa	0.475 pg/l	--	--	--
1,2,3,6,7,8-Dibenzofuran, hexa	0.19 pg/l	--	--	--
1,2,3,7,8,9-Dibenzofuran, hexa	0.0633 pg/l	--	--	--
2,3,4,6,7,8-Dibenzofuran, hexa	0.0543 pg/l	--	--	--
1,2,3,4,6,7,8-Dibenzofuran, hepta	38 pg/l	--	--	--
1,2,3,4,7,8,9-Dibenzofuran, hepta	0.95 pg/l	--	--	--
Dibenzofuran, octa	190 pg/l	--	--	--

-Data qualifiers and footnotes are detailed in Table 38.

Table 30
2012 Monthly Volume
Groundwater Treatment System
St Regis Paper Company Site

Month	Flow (10^6 gallons)
Jan-12	4.7
Feb-12	4.6
Mar-12	4.9
Apr-12	4.6
May-12	4.8
Jun-12	4.7
Jul-12	4.5
Aug-12	4.5
Sep-12	4.8
Oct-12	4.8
Nov-12	4.5
Dec-12	4.7
Total	56.0

Table 31
2012 Average Effluent pH
Groundwater Treatment System
St Regis Paper Company Site

Month	pH
Jan-12	7.0
Feb-12	7.1
Mar-12	7.1
Apr-12	7.1
May-12	7.1
Jun-12	7.1
Jul-12	7.1
Aug-12	7.0
Sep-12	7.1
Oct-12	7.1
Nov-12	7.1
Dec-12	7.1
Average	7.1

Table 32
Groundwater Quality Data-Lower Aquifer
Fish Hatchery Wells
St. Regis Paper Company Site

	Sys Loc Code	FISH1	FISH2	FISH3	FISH4
	Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012
	Sample Type Code	N	N	N	N
Chemical Name	Drinking Water Criteria				
Exceedance Key	No Exceed				
SVOCs					
Benz(a)anthracene		< 0.0027 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l
Chrysene		< 0.0035 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l
Benzo(b)fluoranthene		< 0.0024 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l
Benzo(k)fluoranthene		< 0.0026 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l
Benzo(a)pyrene		< 0.0044 ug/l	< 0.0043 ug/l	< 0.0043 ug/l	< 0.0043 ug/l
Indeno(1,2,3-cd)pyrene		< 0.0027 ug/l	< 0.0026 ug/l	< 0.0026 ug/l	< 0.0026 ug/l
Dibenz(a,h)anthracene		< 0.0026 ug/l	< 0.0025 ug/l	< 0.0025 ug/l	< 0.0025 ug/l
B(a)P Equivalent, non-detects at 1/2, 2002 formula[1]	0.05 ug/l	0.0035 ug/l	0.0034 ug/l	0.0034 ug/l	0.0034 ug/l
B(a)P Equivalent, non-detects at 0, 2002 formula[2]	0.05 ug/l	ND ug/l	ND ug/l	ND ug/l	ND ug/l N
2-Methylnaphthalene		< 0.0024 ug/l	< 0.0023 ug/l	< 0.0023 ug/l	< 0.0023 ug/l
Acenaphthene	400 ug/l	< 0.0045 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l
Acenaphthylene		< 0.0035 ug/l	< 0.0034 ug/l	< 0.0034 ug/l	< 0.0034 ug/l
Anthracene	2000 ug/l	< 0.0037 ug/l	< 0.0036 ug/l	< 0.0036 ug/l	< 0.0036 ug/l
Benzo(g,h,i)perylene		< 0.0030 ug/l	< 0.0029 ug/l	< 0.0029 ug/l	< 0.0029 ug/l
Fluoranthene	300 ug/l	< 0.0045 ug/l	< 0.0044 ug/l	< 0.0044 ug/l	< 0.0044 ug/l
Fluorene	300 ug/l	< 0.0039 ug/l	< 0.0038 ug/l	< 0.0038 ug/l	< 0.0038 ug/l
Naphthalene	300 ug/l	0.0046 j ug/l	0.018 j ug/l	0.0055 j ug/l	0.0098 j ug/l
Phenanthrene		< 0.0052 ug/l	< 0.0050 ug/l	< 0.0050 ug/l	< 0.0050 ug/l
Pyrene	200 ug/l	< 0.0036 ug/l	< 0.0035 ug/l	< 0.0035 ug/l	< 0.0035 ug/l
Pentachlorophenol	1 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 33
Water Quality Data Over Time
Fish Hatchery Wells
Cass Lake, Minnesota

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	No Exceed		0.05		300	1
IL	Underline			0.00051		5.5
Location	**Date**	**Type**				
FISH1	**05/27/92**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
FISH1	**06/07/95**	**N**	--	< 0.003 ug/l	< 0.003 ug/l	< 3 ug/l
FISH1	**09/11/06**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
FISH1	**05/15/07**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.0065 ug/l	< 0.13 ug/l
FISH1	**05/20/08**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.017 ug/l	< 0.080 ug/l
FISH1	**04/28/10**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.035 ug/l	< 0.16 ug/l
FISH1	**05/03/12**	**N**	0.0035 ug/l	< 0.0044 ug/l	0.0046 j ug/l	< 0.16 ug/l
FISH2	**05/27/92**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
FISH2	**06/07/95**	**N**	--	< 0.003 ug/l	< 0.003 ug/l	< 3 ug/l
FISH2	**09/11/06**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
FISH2	**05/15/07**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.0092 ug/l	< 0.13 ug/l
FISH2	**05/20/08**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0080 ug/l	< 0.080 ug/l
FISH2	**04/28/10**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.039 ug/l	< 0.16 ug/l
FISH2	**05/03/12**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.018 j ug/l	< 0.16 ug/l
FISH3	**05/27/92**	**N**	--	< 0.0030 ug/l	< 0.0040 ug/l	< 6 ug/l
FISH3	**06/07/95**	**N**	--	< 0.003 ug/l	0.005 b ug/l	< 3 ug/l
FISH3	**09/28/06**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
FISH3	**05/15/07**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.022 ug/l	< 0.13 ug/l
FISH3	**05/20/08**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0097 ug/l	< 0.080 ug/l
FISH3	**04/28/10**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.035 ug/l	< 0.16 ug/l
FISH3	**05/03/12**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.0055 j ug/l	< 0.16 ug/l
FISH4	**05/27/92**	**N**	--	< 0.045 ug/l	0.62 ug/l	< 6 ug/l
FISH4	**12/10/92**	**N**	--	< 0.0030 ug/l	0.090 ug/l	--
FISH4	**06/02/93**	**N**	--	--	--	< 6 ug/l
FISH4	**07/22/93**	**N**	--	< 0.00300 ug/l	0.00958 ug/l	--
FISH4	**02/24/94**	**N**	--	< 0.090 ug/l	0.666 ug/l	< 6 ug/l
FISH4	**06/15/94**	**N**	--	< 0.090 ug/l	1.11 ug/l	< 3 ug/l
FISH4	**12/01/94**	**N**	--	< 0.003 ug/l	0.012 b ug/l	< 3 ug/l
FISH4	**06/07/95**	**N**	--	< 0.30 ug/l	2.6 ug/l	< 3 ug/l
FISH4	**11/07/95**	**N**	--	< 0.006 ug/l	< 0.006 ug/l	< 3 ug/l
FISH4	**06/05/97**	**N**	--	< 10 ug/l	3 j ug/l	< 50 ug/l
FISH4	**05/01/98**	**N**	--	< 0.10 ug/l	0.20 ug/l	< 0.50 ug/l
FISH4	**05/17/99**	**N**	--	< 0.02 ug/l	0.32 ug/l	< 3 ug/l
FISH4	**04/04/00**	**N**	--	< 0.02 ug/l	0.03 ug/l	< 3 ug/l
FISH4	**04/04/00**	**FD**	--	--	--	< 0.50 ug/l
FISH4	**04/24/01**	**N**	--	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l
FISH4	**10/17/01**	**N**	--	< 5.1 ug/l	< 5.1 ug/l	< 5.1 ug/l
FISH4	**05/06/02**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 h ug/l < 3.0 ug/l
FISH4	**05/07/03**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
FISH4	**04/27/04**	**N**	0.019 ug/l	< 0.019 ug/l	< 0.019 ug/l	< 0.50 ug/l < 0.95 ug/l
FISH4	**05/09/05**	**N**	0.02 ug/l	< 0.020 ug/l	< 0.020 ug/l	< 0.50 ug/l
FISH4	**09/11/06**	**N**	0.004 ug/l	< 0.0043 ug/l	< 0.0065 ug/l	< 0.13 ug/l
FISH4	**05/15/07**	**N**	0.004 a ug/l	< 0.0043 * ug/l	< 0.010 ug/l	< 0.13 ug/l
FISH4	**05/20/08**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.017 ug/l	< 0.080 ug/l
FISH4	**05/14/09**	**N**	0.0066 a ug/l	0.0054 j ug/l	< 0.0060 ug/l	< 0.16 ug/l
FISH4	**10/03/09**	**N**	0.0034 ug/l	< 0.0043 ug/l	< 0.0030 ug/l	< 0.16 ug/l
FISH4	**10/05/09**	**N**	0.0054 a ug/l	< 0.0043 ug/l	< 0.012 ug/l	< 0.16 ug/l
FISH4	**10/05/09**	**FD**	0.0034 ug/l	< 0.0043 ug/l	< 0.0030 ug/l	< 0.16 ug/l

Table 33
Water Quality Data Over Time
Fish Hatchery Wells
Cass Lake, Minnesota

			B(a)P Equivalent, non-detects at 1/2, 2002 formula	Benzo(a)pyrene	Naphthalene	Pentachlorophenol
DWC	No Exceed		0.05		300	1
IL	Underline			0.00051		5.5
Location	**Date**	**Type**				
FISH4	**10/07/09**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.0060 j ug/l	< 0.16 ug/l
FISH4	**04/28/10**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.046 ug/l	< 0.16 ug/l
Fish4	**05/04/11**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.017 j ug/l	< 0.070 ug/l
FISH4	**05/03/12**	**N**	0.0034 ug/l	< 0.0043 ug/l	0.0098 j ug/l	< 0.16 ug/l

-Data qualifiers and footnotes are detailed in Table 38.

Table 34
Benchmark Elevations
OU2 - Containment Vault Operable Unit
St. Regis Paper Company Site

[Elevations in Ft. MSL]

Date	BM-1 [ft MSL]	BM-2 [ft MSL]	BM-3 [ft MSL]	BM-4 [ft MSL]	BM-5 [ft MSL]
12/21/88	1341.41	1338.42	1338.89	1341.18	1338.83
04/08/91	1341.44	1338.46	1338.93	1341.21	1338.82
08/09/92	1341.43	1338.44	1338.93	1341.20	1338.83
10/07/93	1341.49	1338.56	1339.05	1341.17	1338.85
06/16/94	1341.69	1338.69	1339.17	1341.46	1338.98
06/09/95	1341.70	1338.74	1339.19	1341.47	1339.09
06/04/96	1341.69	1338.70	1339.18	1341.47	1339.08
06/04/97	1341.69	1338.72	1339.20		1339.09
05/01/98	1341.68	1338.67	1339.18	1341.46	1339.07
05/14/99	1341.68	1338.69	1339.17	1341.46	1339.06
04/06/00	1341.68	1338.68	1339.14	1341.46	1339.08
04/27/01	1341.67	1338.70	1339.17	1341.45	1339.06
05/06/02	1341.70	1338.70	1339.16	1341.45	1339.06
05/12/03	1341.68	1338.70	1339.18	1341.46	1339.07
04/28/04	1341.68	1338.72	1339.19	1341.46	1339.08
05/06/05	1341.69	1338.71	1339.18	1341.47	1339.07
09/08/06	1341.70	1338.72	1339.18	1341.47	1339.08
05/10/07	1341.69	1338.72	1339.18	1341.47	1339.07
05/23/08	1341.69	1338.71	1339.18	1341.46	1339.06
05/15/09	1341.68	1338.70	1339.17	1341.43	1339.06
05/06/10	1341.67	1338.69	1339.15	1341.44	1339.04
05/11/11	1341.67	1338.70	1339.16	1341.46	1339.06
05/12/12	1341.68	1338.68	1339.16	1341.46	1339.06
Difference	-0.01	0.02	0.00	0.00	0.00

MSL - Mean sea level based on NAVD88.

Table 35
Leachate Elevations
OU2- Containment Vault
St. Regis Paper Company and City Dump Pit Sites

Date	Leachate Collection Manhole [ft MSL]	Leak Detection Manhole [ft MSL]
05/17/04	1313.32	1313.28
11/05/04	1313.34	1312.89
05/11/05	1313.36	1313.26
10/03/05	1313.53	1313.35
11/02/05	1313.28	1312.60
05/12/06	1313.78	1313.14
11/09/06	1313.46	1313.20
11/21/06	1312.42	1311.42
05/04/07	1313.66	1312.97
08/15/07	1313.76	1313.05
08/16/07	1312.35	1311.41
11/14/07	1313.56	1312.84
05/06/08	1313.40	1313.07
09/09/08	1312.44	1311.68
11/07/08	1313.68	1312.89
05/11/09	1313.80	1313.17
11/03/09	1313.73	1313.28
04/14/10	1313.71	1313.41
10/15/10	1313.14	1313.02
10/29/10	1313.11	1312.96
05/03/11	1313.26	1313.28
10/06/11	1313.39	1313.41
10/11/11	1314.25	1311.82
10/12/11	1312.35	1311.82
03/28/12	1313.24	1313.09
07/17/12	1313.36	1313.19
07/18/12	1312.44	1312.33
08/10/12	1313.73	1312.89
08/20/12	1313.72	1312.87
08/20/12	1312.41	1312.67
09/07/12	1313.61	1312.82
09/21/12	1313.59	1312.73
09/24/12	1312.74	1312.73
09/24/12	1313.31	1312.73
10/05/12	1313.57	1312.72
11/20/12	1313.57	1312.84
12/21/12	1313.55	1312.85

Notes:

LCM - Bottom elevation - 1312.19 ft MSL

LDM - Bottom elevation - 1311.20 ft MSL

MSL - Mean sea level based on NAVD88.

Table 36
Sample Program - 2013
Groundwater and Surface Water Monitoring
St. Regis Paper Company and City Dump Pit Sites

Operable Unit	Screened Interval	Station	Category	PCP		PAHs			BETX	DRO	Metals	Dioxins	Water Level (1)
				8270	8151	8270	8270-SIM	8270-SIM (Calif.)	8260	8015M	6020; 7195/6010B	8290	
OU1- Treating Facility Area	Top of Surficial	W104	B										2
		W105R	A		2		2						2
		W112	B										2
		W114	A		1		1						2
		W115	A		1		1						2
		W118 (2)	B										2
	Bottom of Surficial	W205	B										2
		W209	B										2
		W212	T		3		3		3	3		3	2
		W213	T		3				3	3		3	2
		W215	A		1		1	1					2
		W217	B										2
		W218	B										2
		W219	B										2
		W220	T		3		3	1	3	3		3	2
		W221	B										2
		W222											2
		W223											2
	Lower Aquifer	MW3	B										2
		W302	B										2
		W306	A		1		1						2
		W340	A		1		1						2
		W341	A		1		1						2
	Pump-out Wells	W401	B										2
		W402	B										2
		W403	B										2
		W404	B										2
		W405	B										2
		W406	B										2
		W407	B										2
		W408	A	1		1							2
		W409	B										2
		W410	B										2
		W411(3)	B										2
	Observation Wells	W509											2
		W510											2
		W511											2
		W512											2
		W513											2
		W514											2
		W515											2
		W516											2
		W517											2
	Special Observation Wells	SO401	PMC										2
		SO402											2
		SO403											2
		SO405											2

Table 36
Sample Program - 2013
Groundwater and Surface Water Monitoring
St. Regis Paper Company and City Dump Pit Sites

Operable Unit	Screened Interval	Station	Category	PCP		PAHs			BETX	DRO	Metals	Dioxins	Water Level (1)
				8270	8151	8270	8270-SIM	8270-SIM (Calif.)	8260	8015M	6020; 7195/6010B	8290	
	Channel	CL-N	A		1								
		CL-S	A		1								
		North Staff											2
		RR Staff											2
		South Staff											2
OU2 - Containment Vault Area	Upper Aquifer	W124	A		1		1						2
		W125	A		1		1						2
		W126	A		1		1						2
		W127	A		1		1						2
		W128	A		1		1						2
		W129	A		1		1						2
		W130	A		1		1						2
	Lower Aquifer	W324	A		1		1						2
		W329	A		1		1						2
		W330	A		1		1						2
OU3 - City Dump Pit Area	Top of Surficial	W2102	PMC										2
		W2103	PMC										2
		W2104	PMC										2
		W2105	PMC										2
		W2106	A	1		1						1	2
		W2127	A		1		1						2
		W2128	T		3		3	1	3	3		3	2
		W2129	A		1		1						2
		W2134	B										2
		W2135	A		1		1						2
		W2140	A		1		1		1	1	1	1	2
	Bottom of Surficial	W2228	A		1		1		1	1	1	1	2
		W2233	T		3		3		3	3		3	2
		W2234	A		1		1						2
		W2236	T		3		3		3	3		3	2
		W2237R	A		1		1		1	1	1	1	2
		W2238	A		1		1		1	1	1	1	2
		W2239	A		1		1		1	1	1	1	2
	Lower Aquifer	W2301	B										2
		W2325	B										2
		W2326	B										2
		W2329	B										2
		W2333	B										2
		W2335	A		1		1						2
		W2336	T		3		3		3	3		3	2
		W2339	A		1		1		1	1	1	1	2
	Pump-out Wells	W2401	B										2
		W2402	B										2
		W2403	B										2
	Scavenger Wells	S2401	PMC										2
		S2402	PMC										2
		S2403	PMC										2

Table 36
Sample Program - 2013
Groundwater and Surface Water Monitoring
St. Regis Paper Company and City Dump Pit Sites

Operable Unit	Screened Interval	Station	Category	PCP		PAHs			BETX	DRO	Metals	Dioxins	Water Level (1)
				8270	8151	8270	8270-SIM	8270-SIM (Calif.)	8260	8015M	6020; 7195/6010B	8290	
Additional Wells	Observation Wells	W2501											2
		W2502											2
		W2504											2
		W2505											2
	Fox Creek	@ W2127											2
	Fox Creek	@ CR 147											2
	HatcheryWells	Fish 1	B										
		Fish 2	B										
		Fish 3	B										
		Fish 4	A		1		1						
		W231											2
	Enbridge Wells	W772347											2
		W772348											2
Number of Samples				2	53	2	48	3	27	27		28	202
Number of QC Samples													
	Duplicates	5%		1	3	1	3	1	2	2		2	--
	Field Blanks	5%		1	3	1	3	1	2	2		2	--
	MS/MSD	5%		1	3	1	3	1	2	2		2	--
Total Number of Samples				5	62	5	57	6	33	33		34	202

Notes:

This table identifies the number of samples at each station over the year.

(1) Water levels will be measured in during the spring and fall sampling event.

(2) Collect sample, if no product present in water column.

(3) W411, constructed as an extraction well and classified as such, has never been utilized for active extraction purposes.

Category

A - Annual Sampling (fka: Indicator Monitoring Station)

B - Biennial Sampling (fka: Performance Monitoring Station)

T - Triannual Sampling

PMC - Product Monitoring and Collection Station

Table 37
Monthly Sample Program - 2013
Effluent and GAC Performance Monitoring Program
St. Regis Paper Company and City Dump Pit Sites

		PCP				PAHs	Metals [A]	BETX	DRO	Dioxins/furans
		8151M				8270-SIM	6020; 7195/6010B	8620	8015B	8290
Month		Influent	Primary	Secondary	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
January		1	1	1	1	1	1	1	1	1
February		1	1	1	1	1	1	1	1	
March		1	1	1	1	1	1	1	1	
April		1	1	1	1	1	1	1	1	1
May		1	1	1	1	1	1	1	1	
June		1	1	1	1	1	1	1	1	
July		1	1	1	1	1	1	1	1	1
August		1	1	1	1	1	1	1	1	
September		1	1	1	1	1	1	1	1	
October		1	1	1	1	1	1	1	1	1
November		1	1	1	1	1	1	1	1	
December		1	1	1	1	1	1	1	1	
Number of Samples		48				12	12	12	12	4
Number of QC Samples										
Duplicate	5%	3				1	1	1	1	1
Field Blank	5%	3				1	1	1	1	1
MS/MSD	5%	3				1	1	1	1	1
Trip Blank [B]	--	--				--	--	12	--	--
Total Number of Samples		57				15	15	27	15	7

Notes:

[A] Arsenic, Copper, & Chromium. If chromium exceeds 11 µg/L in any effluent sample, additional effluent samples will be collected and analyzed for hexavalent and trivalent chromium.

[B] One trip blank per event when BETX samples are collected.

Flow rate and pH are measured continuously.

Numbers indicate the number of samples during each event.

Table 38
Data Qualifiers and Footnotes
St. Regis Paper Company Site

Data Qualifiers/Footnotes	
Qualifier	**Definition**
--	Not analyzed/not available.
<*value*	Not detected at the Method Dectection Limit (or for dioxins/furans, an Estimated Detection Limit) of *value*
a	Estimated value, calculated using some or all of the values that are estimates.
b	Potential false positive value based on blank data validation procedures.
c	Coeluting compound.
e	Estimated value, exceeded the instrument calibration range.
f	Sample was collected at a flowrate exceeding the recommended rate of 200 mL/minute.
h	EPA recommended sample preservation, extraction or analysis holding time was exceeded.
i	Indeterminate value based on failure of blind duplicate data to meet quality assurance criteria.
j	Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.
J	Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.
p	Relative percent difference is >40% (25% CLP pesticides) between primary and confirmation GC columns.
pp	Small peak in chromatogram below method detection limit.
r	The presence of the compound is suspect based on the ID criteria of the retention time and relative retention time obtained from the examination of the chromatograms.
s	Potential false positive value based on statistical analysis of blank sample data.
*	Estimated value, QA/QC criteria not met.
**	Unusable value, QA/QC criteria not met.
N	Sample Type: Normal
FD	Sample Type: Field Duplicate
AT	Sample chromatogram is noted to be atypical of a petroleum product.
DLND	Not detected, detection limit not determined.
DF	Did not flash
EMPC	Estimated maximum possible concentration.
NA – (Not applicable)	NA indicates that a fractional portion of the sample is not part of the analytical testing or field collection procedures.
ND	Not detected.
TIC	Tentatively identified compound
BQA	Barr-applied project specific qualifier: extraction and/or analyses conducted using an alternative method and/or procedure.
BQC	Barr-applied project specific qualifier: plant shut down.
BQD	Barr-applied project specific qualifier: equipment malfunction.
BQE	Barr-applied project specific qualifier: equipment adjustment.
BQM	Barr-applied project specific qualifier: manual measurement.
BQN	Barr-applied project specific qualifier: unable to be sampled or measured due to various reasons.
BQP	Barr-applied project specific qualifier: atypical chromatographic pattern.
BQQ	Barr-applied project specific qualifier: some aspect of QA/QC was not met.
BQR	Barr-applied project specific qualifier: location was re-sampled.
BQS	Barr-applied project specific qualifier: data is considered suspect.
BQT	Barr-applied project specific qualifier: summed value not displayed due to insufficient field length.
BQU	Barr-applied project specific qualifier: historical qualifier - definition unknown.
BQV	Barr-applied project specific qualifier: estimated value.
BQX	Barr-applied project specific qualifier: see notes for qualifier definition.
BQZ	Barr-applied project specific qualifier: data is considered unusable.

Table 38
Data Qualifiers and Footnotes
St. Regis Paper Company Site

Benzo(a)pyrene Equivalents (BaPE) (2002 Version)

CAS No.	Chemical Name	Site Conc. (units)	RPF	BaPE Equivalent (units)
193-39-5	Indeno(1,2,3-cd)pyrene	0.000	0.1	0.000
205-99-2	Benzo(b)fluoranthene	0.000	0.1	0.000
207-08-9	Benzo(k)fluoranthene	0.000	0.1	0.000
218-01-9	Chrysene	0.000	0.01	0.000
50-32-8	Benzo(a)pyrene	0.000	1	0.000
53-70-3	Dibenz(a,h)anthracene	0.000	0.56	0.000
56-55-3	Benzo(a)anthracene	0.000	0.1	0.000
		Total BaPE = compare this value to the BaPE criteria		Sum

Footnotes:

1 Total BaPE equivalence (2002) calculated using half of the detection limit for the non-detected compounds.

2 Total BaPE equivalence (2002) calculated using none of the detection limit for the non-detected compounds.
USEPA. 1993a. Provisional guidance for quantitative risk assessment of polycyclic aromatic hydrocarbons. EPA/600/R-93/089. U.S. Environmental Protection Agency, Office of Research and Development, Washington, DC.

TEQ_{DF} WHO05 Equivalents (2005 Version)

CAS RN	Chemical Name	Site Conc. (units)	Toxicity Equivalency Factor (WHO05)[q]	$TEQ_{DF\ (units)}$
1746-01-6	2,3,7,8-TCDD	0.000	1	0.000
19408-74-3	1,2,3,7,8,9-Dioxin, hexa	0.000	0.1	0.000
3268-87-9	Dioxin octa	0.000	0.0003	0.000
35822-39-4	1,2,3,4,6,7,8-Dioxin, hepta	0.000	0.01	0.000
39001-02-0	Dibenzofuran octa	0.000	0.0003	0.000
39227-28-6	1,2,3,4,7,8-Dioxin, hexa	0.000	0.1	0.000
40321-76-4	1,2,3,7,8-Dioxin penta	0.000	1	0.000
51207-31-9	2,3,7,8-TCDF	0.000	0.1	0.000
55673-89-7	1,2,3,4,7,8,9-Dibenzofuran, hepta	0.000	0.01	0.000
57117-31-4	2,3,4,7,8-Dibenzofuran, penta	0.000	0.3	0.000
57117-41-6	1,2,3,7,8-Dibenzofuran, penta	0.000	0.03	0.000
57117-44-9	1,2,3,6,7,8-Dibenzofuran, hexa	0.000	0.1	0.000
57653-85-7	1,2,3,6,7,8-Dioxin, hexa	0.000	0.1	0.000
60851-34-5	1,2,3,7,8,9-Dibenzofuran, hexa	0.000	0.1	0.000
67562-39-4	1,2,3,4,6,7,8-Dibenzofuran, hepta	0.000	0.01	0.000
70648-26-9	1,2,3,4,7,8-Dibenzofuran, hexa	0.000	0.1	0.000
72918-21-9	2,3,4,6,7,8-Dibenzofuran, hexa	0.000	0.1	0.000
		Total TEQ_{DF} =		Sum

Footnotes:

3 TEQ_{DF} WHO05, non-detects at half of the detection limit, EMPC at half the detection

4 TEQ_{DF} WHO05, non-detects at zero for the detection limit, EMPC at zero of the detection

q Van den Berg, et al., The 2005 World Health Organization Re-evaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds. ToxSci Advance Access published July 7, 2006.

Table 38
Data Qualifiers and Footnotes
St. Regis Paper Company Site

Action Level Qualifiers/Footnotes

	Qualifier	Definition
Intervention Limits	(1)	The Intervention limit specified in USEPA's August 2005 letter. Concentrations are compared to the respective method reporting limits summarized in Table 4 and 5.
Effluent Limitations	HD	Dependant on Hardness Value