Groundwater Site Restoration Activities (Interim Corrective Measures [ICMs] and Current Conditions)

Table 4
Summary of Constituents Detected in South End Groundwater (May 2009)
(protective of ecological receptors in surface water of Little River)

PARAMETER	CLEAN-UP GOAL SOUTH END	BACKGROUND WELLS					COMPLIANCE
		MW-01I 05/17/09	MW-25S 05/17/09	MW-25S (DU-09204) 05/17/09	MW-25BR 05/18/09	MW-25D 05/17/09	MW-26I 05/12/09
VOCs							
1,1-DCA	20	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
cis-1,2-DCE	50	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0336**
Methyl tert-butyl ether	50	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
PCE	30	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0062**
TCE	5	<0.001	<0.001	<0.001	<0.001	<0.001	**0.218**
Vinyl chloride	50	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005 CAL1
TPH							
TPH-DRO	5	NA	<0.2	NA	NA	NA	NA
Site Metals							
Cadmium, total	0.009 [1]	<0.0025	**0.0059**	**0.0060**	<0.0025	<0.0025	<0.0025
Chromium, total	0.3	**0.0071**	<0.0050	<0.0050	**0.0326**	<0.0050	**0.0203**
Copper, total	0.09	**0.0065**	<0.0050	<0.0050	**0.0122**	<0.0050	<0.0050
Nickel, total	0.2	**0.0062**	**0.0556**	**0.0606**	**0.0204**	<0.0050	**2.50**
Zinc, total	0.9	**0.0353**	**0.446**	**0.459**	**0.0624**	**0.0231**	**0.167**

Concentrations in mg/L
(1) Cadmium background average
NA Not analyzed
bold Constituent detected
CAL1 Analyte quantified by quadratic equation type calibration
highlight Constituent exceeds target

Table 4
Summary of Constituents Detected in South End Groundwater (May 2009)
(protective of ecological receptors in surface water of Little River)

PARAMETER	CLEAN-UP GOAL SOUTH END	BACKGROUND WELLS					
		MW-02S 05/10/09	MW-02I 05/10/09	MW-08S 05/11/09	MW-08I 05/11/09	MW-09S 05/12/09	MW-47BR 05/18/09
VOCs							
1,1-DCA	20	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0033**
cis-1,2-DCE	50	<0.001	**0.0079**	**0.0016**	**0.0017**	**0.0155**	**0.0239**
Methyl tert-butyl ether	50	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0014**
PCE	30	<0.001	<0.001	<0.001	<0.001	**0.0035**	<0.001
TCE	5	<0.001	**0.0015**	**0.01**	**0.0077**	**0.0453**	**0.0401**
Vinyl chloride	50	<0.001	**0.0011**	<0.001	<0.001	<0.001	<0.001
TPH							
TPH-DRO	5	<0.2	NA	<0.2	NA	**1.1**	NA
Site Metals							
Cadmium, total	0.009 [1]	**0.0025**	**0.0114**	<0.0025	**0.0028**	<0.0025	NA
Chromium, total	0.3	**0.0674**	**0.297**	**0.229**	**0.548**	0.647	NA
Copper, total	0.09	<0.0050	**0.236**	<0.0050	**0.0081**	<0.0050	NA
Nickel, total	0.2	**0.341**	**2.33**	**0.976**	**1.67**	**1.41**	NA
Zinc, total	0.9	**0.0580**	**0.302**	**0.0183**	**0.0258**	**0.0249**	NA

Concentrations in mg/L
(1) Cadmium background average
NA Not analyzed
bold Constituent detected
CAL1 Analyte quantified by quadratic equation type calibration
highlight Constituent exceeds target

Table 4
Summary of Constituents Detected in South End Groundwater (May 2009)
(protective of ecological receptors in surface water of Little River)

PARAMETER	CLEAN-UP GOAL SOUTH END	OFF-SITE WELLS								
		MW-21S 05/11/09	MW-29S 05/11/09	MW-29S (DU-09202) 05/11/09	MW-30SR 05/11/09	MW-30I 05/11/09	MW-48SR 05/10/09	MW-48IR 05/10/09	MW-57S 05/11/09	MW-57I 05/11/09
VOCs										
1,1-DCA	20	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
cis-1,2-DCE	50	<0.001	**0.0013**	**0.0014**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0569**
Methyl tert-butyl ether	50	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
PCE	30	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
TCE	5	**0.001**	**0.0058**	**0.0059**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.145**
Vinyl chloride	50	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
TPH										
TPH-DRO	5	<0.2	<0.2	<0.2	<0.2	NA	<0.2	NA	<0.2	NA
Site Metals										
Cadmium, total	0.009 [1]	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Chromium, total	0.3	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Copper, total	0.09	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Nickel, total	0.2	**0.0221**	**0.0056**	**0.0060**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zinc, total	0.9	**0.0192**	**0.0134**	**0.0220**	**0.0143**	**0.0122**	**0.0180**	**0.0158**	**0.0222**	**0.0185**

Concentrations in mg/L
(1) Cadmium background average
NA Not analyzed
bold Constituent detected
CAL1 Analyte quantified by quadratic equation type calibration
highlight Constituent exceeds target