Table 2
Summary of May 2009 Groundwater Sampling Results Indicator and MNA Parameters - South End

PARAMETER	BACKGROUND WELLS					COMPLIANCE WELLS				
	MW-01I 05/17/09	MW-25S 05/17/09	(DU-09204) MW-25S 05/17/09	MW-25BR 05/18/09	MW-25D 05/17/09	MP-101 05/06/09	MP-102 05/06/09	MP-103 05/06/09	MP-104 05/06/09	MW-04S 05/08/09
Indicator Parameters										
Dissolved Organic Carbon	<1.00	**1.29**	**1.28**	**6.30**	<1.00	NA	NA	NA	NA	**7.71**
Conductance, specific	**293**	**112**	NA	**2190**	**117**	**1352**	**1032**	**3966**	**2294**	**499**
Dissolved Oxygen	**2.30**	**0.77**	NA	**0.18**	**0.75**	**1.10**	**1.02**	**1.33**	**1.14**	**4.02**
ORP	**47.8**	**177.8**	NA	**66.2**	**105.6**	**17.8**	**17.1**	**391.1**	**500.5**	**2.5**
pH	**7.70**	**5.47**	NA	**9.06**	**7.85**	**5.59**	**6.02**	**3.84**	**3.61**	**6.02**
Temperature	**10.42**	**8.57**	NA	**12.94**	**10.58**	**21.23**	**18.13**	**20.85**	**20.01**	**10.79**
Natural Attenuation Parameters										
Ethane	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.005
Ethene	**0.0121**	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.005
Iron, Dissolved	<0.0300	<0.0300	<0.0300	**0.0337**	<0.0300	NA	NA	NA	NA	NA
Iron, total	**5.50**	**0.245**	**0.0870**	**8.76**	**0.355**	NA	NA	NA	NA	**12.6**
Manganese, total	**0.368**	**0.125**	**0.143**	**0.303**	**0.0458**	NA	NA	NA	NA	**3.34**
Nitrogen, nitrate	<0.100 HT3	<0.100 HT3	<0.100 HT3	<0.100	<0.100 HT3	NA	NA	NA	NA	<5.00 R01
Sulfate	**15.6**	**12.5**	**12.2**	**2.97**	**2.43**	NA	NA	NA	NA	**80.5**
Alkalinity, Total	**141**	**41.9**	**44.6**	**58.2**	**73.4**	NA	NA	NA	NA	**82.7**

Concentrations in mg/L
NA Not analyzed
HT3 Collection time not recorded; hold time not verified
R01 Reporting limit raised to account for matrix interference
Z-2 Alkalinity determined only if pH > 4.5 s.u.

Table 2
Summary of May 2009 Groundwater Sampling Results Indicator and MNA Parameters - South End

PARAMETER	COMPLIANCE WELLS									
	(DU-09201A) MW-04S 05/08/09	MW-10S 05/08/09	MW-10I 05/08/09	MW-16SR 05/08/09	MW-17S 05/10/09	MW-26I 05/12/09	MW-27S 05/07/09	MW-27I 05/07/09	MW-34S 05/08/09	MW-35S 05/15/09
Indicator Parameters										
Dissolved Organic Carbon	**6.92**	**3.50**	**3.72**	<20.0 R01	**27.9**	<1.00	**49.2**	**11.1**	**7.16**	<1.00
Conductance, specific	NA	**324**	**322**	**1694**	**836**	**121**	**1126**	**1820**	**92**	**52**
Dissolved Oxygen	NA	**1.43**	**0.67**	**1.66**	**1.17**	**8.43**	**0.43**	**0.40**	**5.46**	**3.36**
ORP	NA	**101.4**	**0.6**	**-25.0**	**-39.7**	**51.6**	**251.6**	**-178.9**	**46.7**	**21.0**
pH	NA	**6.11**	**5.92**	**6.40**	**6.47**	**4.75**	**3.92**	**7.54**	**6.23**	**5.13**
Temperature	NA	**14.78**	**14.4**	**12.74**	**10.97**	**7.65**	**21.25**	**18.69**	**17.24**	**11.30**
Natural Attenuation Parameters										
Ethane	<0.005	**0.127**	<0.005	<0.005	<0.005	**0.123**	<0.005	<0.005	<0.005	**0.123**
Ethene	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0084**	<0.005	<0.005	<0.005	**0.0098**
Iron, Dissolved	NA	<0.0300	<0.0300	**5.38**	**35.4**	<0.0300	NA	<0.0300	<0.0300	<0.0300
Iron, total	NA	NA	NA		**45.5**	**0.0952**	**9.01**	NA	NA	**0.389**
Manganese, total	NA	**0.341**	**0.520**	**0.924**	**2.71**	**0.0184**	**1.25**	**1.51**	**0.0392**	**0.0484**
Nitrogen, nitrate	NA	<5.00 R01	<5.00 R01	<10.0 R01	<2.00 R01	0.310	<10.0 R01	<5.00 R01	<5.00 R01	**0.220**
Sulfate	NA	<50.0 R01	<50.0 R01	**159**	**235**	**38.3**	**469**	**318**	**109**	**11.4**
Alkalinity, Total	NA	**65.0**	**61.9**	**137**	**74.2**	**5.04**	N/A Z-2	**275**	**114**	**8.15**

Concentrations in mg/L
NA Not analyzed
HT3 Collection time not recorded; hold time not verified
R01 Reporting limit raised to account for matrix interference
Z-2 Alkalinity determined only if pH > 4.5 s.u.

Table 2
Summary of May 2009 Groundwater Sampling Results Indicator and MNA Parameters - South End

PARAMETER	COMPLIANCE WELLS								
	MW-36S 05/07/09	(DU-09201) MW-36S 05/07/09	MW-41S 05/08/09	MW-50I 05/08/09	MW-52S 05/08/09	MW-66S 05/14/09	PMP-05 05/07/09	PMP-06 05/07/09	PMP-07 05/07/09
Indicator Parameters									
Dissolved Organic Carbon	**20.8**	NA	**27.9**	**5.12**	**30.9**	<2.00 R01	**40.0**	**16.7**	**15.7**
Conductance, specific	**2740**	NA	**1230**	**1377**	**1124**	**188**	**2615**	**2389**	**3518**
Dissolved Oxygen	**0.45**	NA	**1.88**	**0.37**	**0.34**	**1.19**	**0.45**	**1.81**	**0.37**
ORP	**30.9**	NA	**-33.1**	**-17.0**	**261.9**	**136.7**	**-49.6**	**67.7**	**393.2**
pH	**6.63**	NA	**5.42**	**7.71**	**3.47**	**5.92**	**5.90**	**6.35**	**3.64**
Temperature	**17.79**	NA	**19.01**	**13.95**	**21.41**	**9.36**	**19.07**	**19.45**	**19.54**
Natural Attenuation Parameters									
Ethane	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethene	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Iron, Dissolved	NA	NA	NA	NA	**1.64**	<0.200	**108**	<0.0300	NA
Iron, total	**0.166**	**0.188**	**143**	**0.0320**	NA	**5.62**	NA	NA	**0.891**
Manganese, total	**1.72**	**1.64**	**4.67**	**1.26**	**2.30**	**1.19**	**6.39**	**1.28**	**2.13**
Nitrogen, nitrate	<10.0	NA	<10.0 R01	<5.00 R01	<10.0 R01	<1.00 R01	<10.0 R01	<10.0	<20.0 R01
Sulfate	**469**	**557**	**666**	**558**	**8810**	**37.0**	**1230**	**461**	**2220**
Alkalinity, Total	**309**	**309**	**9.50**	**192**	N/A Z-2	**54.2**	**157**	**263**	N/A Z-2

Concentrations in mg/L
NA Not analyzed
HT3 Collection time not recorded; hold time not verified
R01 Reporting limit raised to account for matrix interference
Z-2 Alkalinity determined only if pH > 4.5 s.u.

Table 2
Summary of May 2009 Groundwater Sampling Results Indicator and MNA Parameters - South End

PARAMETER	PERIMETER WELLS							
	MW-02I 05/10/09	MW-02S 05/10/09	MW-08I 05/11/09	MW-08S 05/11/09	MW-09S 05/12/09	MW-12I 05/12/09	MW-12S 05/12/09	MW-47BR 05/18/09
Indicator Parameters								
Dissolved Organic Carbon	**4.51**	**10.4**	**1.64**	**2.24**	**3.61**	**2.32**	**1.15**	**1.21**
Conductance, specific	**215**	**149**	**183**	**145**	**443**	**450**	**43**	**650**
Dissolved Oxygen	**3.87**	**12.16**	**7.94**	**11.51**	**6.14**	**0.31**	**11.56**	**0.37**
ORP	**43.6**	**164.9**	**100.6**	**5.6**	**16.1**	**-70.5**	**43.7**	**153.1**
pH	**6.96**	**6.68**	**5.44**	**5.28**	**6.15**	**8.07**	**4.95**	**7.71**
Temperature	**12.20**	**9.44**	**9.93**	**8.86**	**10.92**	**14.21**	**10.70**	**12.40**
Natural Attenuation Parameters								
Ethane	**0.128**	**0.135**	<0.005	<0.005	<0.005	**0.122**	<0.005	<0.005
Ethene	<0.005	<0.005	<0.005	<0.005	<0.005	**0.012**	<0.005	<0.005
Iron, Dissolved	**0.368**	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300
Iron, total	**23.8**	**0.0460**	**0.530**	**0.156**	**0.0417**	**0.155**	**0.0254**	**0.134**
Manganese, total	**6.14**	<0.0020	**0.0658**	**0.0040**	**0.0058**	**0.162**	**0.0032**	**0.0348**
Nitrogen, nitrate	**0.260**	**0.510**	**3.05**	**1.70 R01**	**1.53**	<0.100	**0.810**	**0.780**
Sulfate	**11.5**	**5.69**	**13.9**	**11.4**	**64.5**	**60.0**	**4.90**	**27.7**
Alkalinity, Total	**82.3**	**54.8**	**50.4**	**36.0**	**59.4**	**105**	**7.25**	**90.7**

Concentrations in mg/L
NA Not analyzed
HT3 Collection time not recorded; hold time not verified
R01 Reporting limit raised to account for matrix interference
Z-2 Alkalinity determined only if pH > 4.5 s.u.

Table 2
Summary of May 2009 Groundwater Sampling Results Indicator and MNA Parameters - South End

PARAMETER	OFF-SITE WELLS								
	MW-21S 05/11/09	(DU-09202) MW-29S 05/11/09	MW-29S 05/11/09	MW-30I 05/11/09	MW-30SR 05/11/09	MW-48IR 05/10/09	MW-48SR 05/10/09	MW-57I 05/11/09	MW-57S 05/11/09
Indicator Parameters									
Dissolved Organic Carbon	**1.13**	**1.58**	**1.60**	**1.26**	**1.54**	**1.44**	**1.35**	**1.33**	**1.23**
Conductance, specific	**98**	NA	**203**	**519**	**393**	**416**	**352**	**375**	**80**
Dissolved Oxygen	**9.41**	NA	**10.24**	**9.01**	NA	**8.46**	**8.82**	**2.49**	**9.51**
ORP	**498.7**	NA	**246.6**	**148.5**	**-17.6**	**116.8**	**-12.2**	**54.6**	**299.1**
pH	**4.99**	NA	**5.88**	**5.91**	**6.18**	**6.12**	**5.87**	**7.84**	**5.47**
Temperature	**9.28**	NA	**9.17**	**10.79**	**9.88**	**11.76**	**10.17**	**12.01**	**9.56**
Natural Attenuation Parameters									
Ethane	<0.005	<0.005	<0.005	<0.005	<0.005	**0.128**	<0.005	<0.005	<0.005
Ethene	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0211**	<0.005	<0.005	<0.005
Iron, Dissolved	<0.0300	<0.0300	<0.0300	<0.0300	**0.0632**	<0.0300	<0.0300	<0.0300	<0.0300
Iron, total	**0.111**	**0.0508**	**0.0307**	**0.0987**	**0.0581**	**0.0366**	**0.0451**	**0.480**	**0.0285**
Manganese, total	**0.0050**	<0.0020	<0.0020	<0.0020	**1.30**	**0.165**	**0.0576**	**0.197**	**0.0072**
Nitrogen, nitrate	**5.95 R01**	**14.7 R01**	**14.3 R01**	**9.64 R01**	**5.32 R01**	**8.90**	**13.2**	<0.100	**3.19**
Sulfate	**12.0**	**31.7**	**30.1**	**65.6**	**62.4**	**73.3**	**33.3**	**61.0**	**6.78**
Alkalinity, Total	**9.96**	**15.2**	**15.5**	**23.1**	**28.2**	**34.9**	**19.1**	**105**	**9.73**

Concentrations in mg/L
NA Not analyzed
HT3 Collection time not recorded; hold time not verified
R01 Reporting limit raised to account for matrix interference
Z-2 Alkalinity determined only if pH > 4.5 s.u.