

Table 3. Water Quality Data for Selected Parameters at Intensive Basin Station BPK-PP-B2, Middle Fork Vermilion River Seeps Near the Power Plant Ash Pond, for June, 2008.

Parameter Metals in ug/L	# of Samples	# of Detections	Mean of Detected Results	Highest Result	Water Quality Standard
Arsenic	2	1	5.5	5.5	190
Boron	2	2	25,450	26,500	7,600
Cadmium	2	2	3.9	5.7	8.3
Copper	2	2	5.7	6.0	128
Lead	2	0	-	-	281
Nickel	2	2	7.3	9.9	55.1
Zinc	2	2	11.2	17.4	347
Chloride mg/L	0	-	-	-	500
Sulfate mg/L	0	-	-	-	1,992
Hardness mg/L	2	2	1710	1730	-
Conductivity umho/cm	0	-	-	-	-

Notes: This data was collected from two seeps below the lower ash pond.

Conclusions: Boron is present at about 3 times the chronic water quality standard, but did not exceed the acute standard.

Table 4. Water Quality Data for Selected Parameters at Intensive Basin Station BPK-09 Middle Fork Vermilion River Just Downstream of the Power Plant Ash Pond, 2 Miles ENE Newtown for June, 2008.

Parameter Metals in ug/L	# of Samples	# of Detections	Highest Result	Water Quality Standard
Arsenic	1	1	5.4	190
Boron	1	1	221	7,600
Cadmium	1	1	1.4	2.2
Copper	1	1	3.7	27.7
Lead	1	1	3.1	48.5
Nickel	1	1	2.6	12.1
Zinc	1	1	5.1	75.7
Chloride mg/L	0	-	-	500
Sulfate mg/L	0	-	-	1,992
Hardness mg/L	1	2	284	-
Conductivity umho/cm	0	-	-	-