



# INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/015/025

DATE OF INSPECTION: 11/11/99

(Comments are Numbered to Correspond with Topics Listed Above)

## 4. HYDROLOGIC BALANCE

### d. WATER MONITORING

The following monitoring sites were visited for the purpose of photographing and obtaining GPS coordinates:

Monitoring Site	Description	Flow	Elevation apprx. feet
MW-114	well		9400
WHR-5 upper	seep/spring	~ 0.1 gpm	9100
SBC-15	seep/spring	1-2 gpm	8700
SBC-16	seep/spring	~ 0.5 gpm	8700
SMH-3	spring	7-12 gpm	8900
SMH-1	seep/spring	1-2 gpm	8600
MH-1	stream	~ 10 gpm	8350
SMH-4	seep/spring	~ 0.5 gpm	9050
16-7-12-6	seep/spring	0.5-1 gpm	9050
WHR-3	seep/spring	none	9250
WHR-2	seep/spring	~ 2 gpm	9100
MW-116	well		9350
16-8-6-1	seep/spring	6-8 gpm	9400
CK-2	stream	0.75 cfs	7950
16-8-8-5	spring (pipe)	~ 1 gpm	7950
16-8-8-10 UPDES 001	Morhland mine discharge	2.5" on weir	7800
CK-1	stream	1-2 cfs	7070

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Third quarter water monitoring data was electronically submitted on November 1, 1999. All water monitoring was performed, samples were collected and analyzed according to the Mine Reclamation Plan. The highest % difference between cations and anions was 5.9% for DH-2 on 8/24/99 and the lowest % difference was 0.16% for MH-1 on 7/20/99. In most cases the TDS computed EC values correspond to measured EC values, except for SBC-3 on 7/20/99 where the measured value of 3680 umhos/cm is 2000 units less than the computed TDS-EC value of 5681 umhos/cm; however, the level of cations (51.9 meq/L) and anions (54.5 meq/L) for this sample match the TDS calculated EC value. The low EC value could be explained by gypsum ( $\text{CaSO}_4$ ) salts since the very high  $\text{SO}_4$  level of 44.8 meq/L would tend to form sparingly soluble sulfate salts.

Copy of this Report:

Mailed to: OSM, Charles Reynolds (Co-Op Mining Company)

Given to: Daron Haddock (DOGM)

Inspector's Signature: \_\_\_\_\_



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Date: 11-16-99

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