



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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May 31, 1985

TO: Lowell P. Braxton, Administrator, Mineral Resource
Development and Reclamation Program

FROM: Dave Darby, Engineering Geologist *DW*

RE: Chronology of Water Monitoring Schedule, North
American Equities, NV, Blazon #1 Mine, ACT/007/021,
#3, #7 and #9, Carbon County, Utah

As per your request, I have reviewed North American Equities water monitoring submittals and files to evaluate changes and establish a chronology of events in monitoring schedules.

The following information summarizes the sequence of events and correspondence between the Division and North American Equities that has led to the present monitoring schedule.

January 31, 1983

A letter from Sandy Pruitt (DOGM) to Allen Smith (North American Equities) stated that the Division had not received surface and ground water monitoring reports since September 18, 1981.

At that time North American Equities was operating under a water monitoring plan that was approved July 3, 1980 and required monthly sampling intervals and quarterly reports of water quality and sediment yield.

February 2, 1983

North American Equities through Vaughn Hansen and Associates submitted water monitoring results from October 1980 through December 23, 1981 (recorded monthly).

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February 7, 1983

Due to the shutdown of operations at the Blazon Mine, North American Equities requested a revised monitoring schedule.

August 25, 1983

In a letter from David Darby (DOGM) to Allen Smith (North American Equities) permission was granted to modify the water monitoring schedule for spring and stream sites. Discharge measurements were to be obtained three times annually and measurements be taken during the first two weeks of June, last two weeks of July and the last two weeks of September. Water quality measurements were to be collected in June and September in connection with the discharge measurements.

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September 28, 1983

A letter to Sue Linner (DOGM) from Mike Glen (ACZ, Inc.) outlines a summary of the meeting that took place September 8, 1983. The letter established new information that would be submitted including additional ground water sources, springs and seeps (UMC 783.13) and a new hydrologic map (UMC 783.24).

October 25, 1983

A letter to Sue Linner (DOGM) from Mike Glen (ACZ, Inc.) outlines a meeting that took place September 22, 1983. The letter indicates that North American Equities has conducted a spring and seep survey according to the approved program for monitoring during suspended mining operations.

January 25, 1984

The Division performed a Determination of Completeness (DCC) which outlined information that still needed to be incorporated in the mine plan. Under UMC 817.52 the applicant (North American Equities) was requested to submit a years baseline data for the spring in the area.

February 14, 1984

A letter to Sue Linner (DOGM) from Mike Glen (ACZ, Inc.) reviewed comments of the DOC document. Under UMC 783.13, water monitoring information was outlined. Commitments were

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made to provide a narrative describing of water resources sampled, interpret seasonal changes in quality and quantity, continue monitoring effluent from the Clear Creek Mine workings, continue sampling springs and seeps monitored during the September 1983 survey, sample the water well within the permit area and provide information from the electric logs of the two exploration drill holes.

March 19, 1985

A Notice of Violation, N-85-8-3-1, was written by Tom Wright, DOGM Inspector, which claimed that North American Equities, NV, Blazon Mine, had not submitted water monitoring data since the third quarter of 1984.

June 20, 1984

The Division received the Permit Application Package for the Blazon #1 Mine. North American Equities committed (page 817.52-1) to monitoring stream sites B-1, B-2, B-3, B-4, B-5, B-6 and G-6 three (3) times annually, the first two weeks of June, the last two weeks of July and the last two weeks of September. Sites G-1, G-2, G-3, G-4, G-5 and G-7 would be sampled once monthly for one year commencing the first week of April to obtain the necessary baseline data. Water quality measurements would be collected two times per year at each spring and stream site in connection with discharge measurements.

November 13, 1984

The Technical Analysis (TA) was completed for the Blazon #1 Mine. No stipulations were addressed for surface water monitoring.

February 14, 1985

North American Equities announced intentions to permanently close and reclaim the Blazon #1 Mine.

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To date, May 30, 1985

North American Equities has not addressed comments or stipulations. The Division met with representatives of North American Equities and ACZ, Inc., March 13, 1985 to discuss permanent reclamation plans. A request was formally proposed that the baseline water monitoring program be discontinued.

In examining the chronology events and water monitoring data, it appears that North American Equities has applied its efforts toward the operational monitoring plans approved by me and has been consistent in updating the water monitoring plans as mine plan reviews were conducted. However, our files do show that no water monitoring data has been submitted for September of 1984.

North American Equities shall be expected to follow the approved water monitoring plan as outlined by David Darby and any changes addressed in the permanent reclamation plan.

btb
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