Ground Water Discharge Permit
Permit No. UGW350001

In compliance with the provisions of the Utah Water Quality Act, Title 19, Chapter 5, Utah Code Annotated 1953, as amended, the Act,

Kennecott Barneys Canyon Mining Company
P.O. Box 311
Bingham Canyon, Utah 84006-0311

is granted a ground water discharge permit for the operation of the Barneys Canyon Mine and Cyanide Heap Leach Facility located at Barneys Canyon about 2 miles north of Copperton, Utah. The facility is located about 10 miles southwest of Salt Lake City on the USGS quadrangle of Bingham Canyon, Utah. The property is primarily on Section 31, Township 2 South, Range 2 West, Sections 35 and 36, Township 2 South Range 3 West; and Sections 2 and 3, Township 3 South, Range 3 West, Salt Lake Base and Meridian.

The permit is based on representations made by the permittee and other information contained in the administrative record. It is the responsibility of the permittee to read and understand all provisions of this permit.

The facility shall be constructed and operated in accordance with conditions set forth in the permit and the Utah Ground Water Quality Protection Rules (UAC R317-6).

This ground water discharge permit supersedes all other ground water discharge permits previously issued for this facility.

This permit shall become effective June 13, 2008.

This permit shall expire at midnight on June 12, 2013.

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Walter L. Baker, P.E.
Executive Secretary
Utah Water Quality Board
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PART I. SPECIFIC PERMIT CONDITIONS

A. GROUND WATER CLASSIFICATION

The ground water classification is a Class II Drinking Water Quality Ground Water within the facility boundary, based on well samples from monitor wells at the site. Background ground water quality is summarized in Tables 1 and 2. All parameters in Tables 1 through 4 are in units of milligrams per liter (mg/l) dissolved, except for pH.

B. GROUND WATER STANDARDS AND PROTECTION LEVELS

Based on samples from the facility monitoring wells, the ground water standards and protection levels for the required parameters are listed in Tables 3 and 4.

1. Ground Water Standards - The permittee shall comply with all the ground water standards contained in Utah's Ground Water Quality Protection Rules (R317-6). The ground water around the site must meet the applicable protection level for each of the standards contained in R317-6-2 even though this permit does not require monitoring for each specific chemical listed in the regulations. Therefore, the permittee shall not contaminate ground water by discharging compounds such as metals, leachates, acid, pesticides or volatile organic compounds not listed in the permit.

2. Protection Levels - The protection levels listed in Tables 3 and 4 are based on compounds that may be in the discharge to the ground water, and must be met at the down gradient wells. Monitoring of ground water will be used to demonstrate that protection levels in wells have not been exceeded.

3. Exceedance of Protection Levels - Out-of-compliance will be determined in accordance with UAC R317-6-6.16. Out-of-compliance exists when two (2) consecutive samples from a compliance monitoring well exceed the permit limit and the mean by two standard deviations, as calculated from the background data set for that well.

C. PERMITTED FACILITIES

1. Leach Pads - Design and construction of existing pads BC-1, BC-2, BC-3, BC-4 and BC-5 incorporated Best Available Technology (BAT) at the time. They were built as designed according to the construction permit issued March 24, 1989 with a liner system as follows:

   a. Three to five foot thick solution collection system of fine grained ore, with head less than 12 inches.
b. 60 mil HDPE primary liner.

c. 12-inch minimum thickness secondary clay liner having a hydraulic conductivity of $1.0 \times 10^{-7}$ cm/sec or less.

d. Below the clay, a 6-inch leak detection media having a hydraulic conductivity of $1.0 \times 10^{-3}$ cm/sec or more was built. At the bottom of the media, slotted sloping PVC leak detection pipes were installed to drain to a sump or port that can be monitored by instruments or visually inspected.

e. Six-inch minimum thickness engineered secondary clay liner having a hydraulic conductivity of $1.0 \times 10^{-6}$ cm/sec or less.

2. Process Water Ponds - Two process ponds with a total capacity of 10,800,000 gallons were built and designed according to the construction permit issued March 24, 1989. They incorporated Best Available Technology and have a liner system as follows:

   a. 60 mil HDPE primary liner

   b. 1 pm per foot HDPE drainage net

   c. 8 oz. per square yard geotextile

   d. 12 inches of $1.0 \times 10^{-7}$ centimeters per second clay

The bottom of each pond is graded to one corner where a leak detection sump is located. An 8-inch standpipe is installed to the sump, which allows the entrance of a probe, or portable pump.

A third process pond with a total capacity of 4,300,000 gallons has been built west of the existing process ponds described above, under a construction permit dated August 2, 1995. The pond incorporates BAT and has a liner system as follows:

   a. 60 mil HDPE liner

   b. drain net with a transmissivity of 10 gal/min/ft.

   c. 60 mil HDPE liner

   d. 12 inches of $1.0 \times 10^{-7}$ centimeters per second clay
A leak detection system with a double lined sump and an eight inch standpipe, similar to the system for the previous ponds, is constructed to the drain net. The allowable leakage rate of 200 gallons per acre per day is a BAT performance standard.

A holding tank for liquid cyanide has been constructed within the pond area to receive cyanide from tanker trucks, under the construction permit of August 2, 1995. The holding tank has been built on a pad with overlying liners that will drain to the ponds in the event of spillage.

3. Future Construction

The permittee must obtain a construction permit from the Division of Water Quality before construction may begin on any new facilities which may cause a discharge of pollutants to waters of the state. Depending on the nature of these facilities, modification of this ground water discharge permit may also be required.

Any revisions or modifications to the approved plans and specifications for existing facilities must be submitted to the Division of Water Quality for review and approval, before construction or implementation thereof.
TABLE 1
Background Ground Water Quality in Monitoring Wells
All units in mg/l except for pH

<table>
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<tr>
<th></th>
<th></th>
<th></th>
<th></th>
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All units in mg/l except for pH

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### TABLE 3
Protection and Out-of-Compliance Levels for Monitoring Wells
All units in mg/l except for pH

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</table>

a. Protection Level
b. Out-of-Compliance Level; equals greater of protection level or mean + (2 x standard deviation)
TABLE 4
Protection and Out-of-Compliance Levels for Monitoring Wells
All units in mg/l except for pH

<table>
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<th>Parameter</th>
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</table>

a. Protection Level
b. Out-of-Compliance Level; equals greater of protection level or mean+(2 x standard deviation)

D. COMPLIANCE MONITORING

During the period beginning with the effective date of the permit and lasting the term of the permit or as stated in an approved closure plan, the permittee shall demonstrate maintenance of Best Available Technology (BAT) and demonstrate that ground water protection levels have not been exceeded.

1. Ground Water Monitoring - The wells listed in Table 5 shall be monitored to demonstrate compliance with Part 1.B.
# TABLE 5
## Monitoring Wells Located with Kennecott Coordinate System

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<th>Easting</th>
<th>Top of Casing Elevation</th>
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<th>Gravel Pack Depth</th>
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<td><strong>Downgradient Compliance Monitoring Wells</strong></td>
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</table>
2. Procedures for Well Monitoring.

a. Routine Monitoring

All monitor wells shall be analyzed for the following parameters:

Field Parameters: pH, conductivity, temperature, ground water elevation.
Laboratory Parameters: total dissolved solids, major ions (Na, Ca, K, Mg, Cl, SO₄, HCO₃, CO₃), nitrate, and either cyanide (total) or cyanide amenable to chlorination.

b. In order to demonstrate compliance with the standard for cyanide amenable to chlorination, the permittee may analyze for total cyanide as long as total cyanide is less than the protection standard. If total cyanide exceeds the protection standard in a well, the permittee shall analyze for cyanide amenable to chlorination for that well.

c. Accelerated Background Monitoring

Any new monitor wells which may be required by the Executive Secretary during the term of this permit shall be sampled at least eight times over a one-year or longer time span for all the parameters listed in (a) above, and the following dissolved metals: Pb, Hg, Se, Ag, Cu, Cd, Cr, Zn, Ba, As. Data from background sampling shall be used to establish background concentrations of these constituents and also protection levels.

d. Frequency

Wells upgradient of the leach pads (BCG-280 and BCG-281) are to be sampled twice yearly. The remaining, downgradient wells shall be sampled quarterly. Ground water elevations shall be measured in all monitor wells quarterly.

e. Sampling

Sampling shall be conducted according to the sampling plan contained in the Environmental Compliance Manual (version dated January 31, 1997) Grab samples shall be taken of the ground water only after removal or purging of the equivalent of three casing volumes of standing water from the well bore. For low-yielding wells where this is not possible, evacuation procedures shall conform to the RCRA Ground Water Monitoring Technical Enforcement Guidance Document.
f. Laboratory Approval

All analyses shall be performed by a laboratory certified by the State of Utah according to methods cited in R317-6-6.3L. Detection limits for all parameters except cyanide amenable to chlorination are to be equal or less than the ground water standard, or the ground water protection level, whichever is less in Tables 3 and 4. Within 30 days of the effective date of permit renewal, the permittee shall submit a list of analytical methods used for sample analysis. Other analytical methods shall be used only with permission of the Executive Secretary.

g. Damage to Monitoring Wells

If any monitor well is damaged or is otherwise rendered inadequate for its intended purpose, the Executive Secretary shall be notified within five days in writing.

h. Additional Wells

If additional downgradient wells are required, they will be monitored in accordance with the above requirements.

3. Performance Monitoring - No discharge of process fluids from the plant, pads or ponds to ground water is allowed. Maintenance of this performance standard will be demonstrated by monitoring for process fluids in leak detection sumps and lines.

a. Frequency. The leak detection sumps of all operating pads and ponds shall be visually monitored daily during operation for the presence of fluids and the results recorded in a log maintained by the operator.

b. Sampling. Upon detection of fluids in the sumps, samples will be analyzed as soon as possible for the constituents listed in Table 6. For emergency purposes, the analyses may be performed in the company laboratory. If the permittee wishes to demonstrate that the fluids in the sump are not process fluids, an analysis to confirm this must be done at a state-certified laboratory.

**TABLE 6 – Monitoring Parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
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<tbody>
<tr>
<td>pH</td>
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<tr>
<td>Total Cyanide</td>
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<tr>
<td>Gold</td>
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</table>

c. Reporting procedures in Part I.E.2 must be followed as applicable.
E. REPORTING REQUIREMENTS

1. Routine Reporting - The permittee shall furnish the Executive Secretary quarterly monitoring reports of compliance monitoring. Reports shall include the following information:
   
   a. Reports of analyses of well samples as required in Part I.D.1
   
   b. A report of ground water elevations as measured in all monitor wells (except BCG280 and BCG31) within a 6 day period during the quarter covered by the report, and corresponding with the time of sampling. A longer time interval for measuring ground water elevation may be used (with Executive Secretary approval) if the permittee can demonstrate that ground water elevations do not change during the proposed time interval. A summary of the measured depth to water and ground water elevations shall be prepared and submitted with the quarterly report.
   
   c. A report on visual inspections of the leak detection systems during the quarter.

   Reports shall be submitted according to the schedule in Part II.D. Failure to submit the reports by the due date above shall be deemed as non-compliance.

2. Reporting of BAT Failure - The presence of fluids in the leak detection sumps of the two process water ponds built under the March 24, 1989 construction permit or of fluids in the lower sump or fluids in the upper sump in quantities greater than 200 gal/acre/day in the pond built under the August 2, 1995 construction permit is to be reported by telephone within 24 hours of detection to the telephone number provided in Part II and in writing within five days to the Division of Water Quality (DWQ) at the address in Part II.D. The written submission shall contain:
   
   a. A description of fluids, results of emergency analyses, and as applicable their volume or flow, and duration of failure
   
   b. The cause of failure and
   
   c. Steps taken or planned to reduce, eliminate or prevent recurrence of the leak
   
   d. The permittee shall prepare and submit within 30 days unless waived by the Executive Secretary: (1) a plan and time schedule for assessment of the source, extent and potential dispersion of the contamination, (2) an evaluation of potential remedial action required to restore BAT and to restore and maintain ground water quality, so as to ensure that the Ground Water Quality Standards, will not be exceeded at compliance monitoring points.
3. Out of Compliance Reporting - In the event that the facility becomes out of compliance as defined in Part I.F.2, the reporting schedule in Part I.E.2 above will be implemented.

4. Contingency Plan - In the event of a spill of contaminants which may threaten ground water quality, the permittee shall follow the Spill Prevention, Control and Countermeasures Plan contained in the revised Environmental Compliance Manual dated August 2002, or other plan as approved by the Executive Secretary.

F. OUT OF COMPLIANCE STATUS

Information must be provided to the Executive Secretary if the operation becomes out of compliance. Immediate action is required to identify the problem, report, and repair the facility. Out-of-compliance is defined below:

1. Ground Water Monitoring

Exceedence of the compliance levels (Tables 3 and 4) at any downgradient compliance monitoring well shall constitute noncompliance with this permit according to the following:

a. Probable Out-of-Compliance Status - If the concentration of a pollutant from any compliance monitoring well exceeds the higher of the protection level or the out-of-compliance level as found in Parts I.B.2 and I.B.3 of this permit, the Permittee shall:

i. Notify the Executive Secretary in writing of the probable out-of-compliance status within 30 days of receipt of the initial analytical data.

ii. Implement an accelerated schedule of monthly ground water sampling and analysis for parameters requested by the Executive Secretary. This monthly sampling will continue for at least two months or until the compliance status can be determined by the Executive Secretary. Reports of the results of this sampling will be submitted to the Executive Secretary as soon as they are available, but not later than 45 days from each date of sampling.

b. Out-of-Compliance Status

i. Notification and Accelerated Monitoring - upon determination by the permittee, in accordance with UAC R317-6-6.17 and Part I.B.3 that an out-of-compliance status exists, the permittee shall:

1) Verbally notify the Executive Secretary of the out-of-compliance status within 24 hours of verification, and provide written notice within 5 days of the detection, and
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2) Immediately implement an accelerated schedule of monthly ground water monitoring which shall continue for at least two months or until the facility is brought into compliance.

ii. Source and Contamination Assessment Study Plan - within 30 days of the verbal notice to the Executive Secretary, the permittee shall submit an assessment study plan and compliance schedule for:

1) Assessment of the source or cause of the contamination, and a determination of steps necessary to correct the source.
2) Assessment of the extent of the ground water contamination and any potential dispersion.
3) Evaluation of potential remedial actions to restore and maintain ground water quality, and ensure that the ground water standards will not be exceeded at the downgradient compliance monitoring wells.

c. Probable Out-of-Compliance for Total Dissolved Solids

In the event that Total Dissolved Solids (TDS) exceeds protection levels in any well and no other parameters exceed protection levels, the permittee shall prepare a report on the cause of the exceedance for submission with the next regular quarterly monitoring report. The report must include information such as an analysis of major ion chemistry in the ground water and process fluids, geographic distribution of ground water chemistry and other factors at the site sufficiently detailed to determine whether the TDS exceedance was due to mining activities or natural variation.

Upon examining the information in the report, if the Executive Secretary determines that the exceedance was due to mining activities, the permittee shall follow the procedures in Parts I.F.1 (a) and (b). Based on available information, the Executive Secretary may require changes in the monitoring plan or changes in mine operations if needed to protect ground water quality.

2. Failure to Maintain Best Available Technology Required by Permit

A verified leak of process fluids beneath the pads or ponds, or an exceedance of the allowable leakage rate (200 gal/acre/day) in the upper sump of the process water pond built under the August 2, 1995 construction permit shall constitute failure of BAT and be a violation of this permit. In the event a compliance action is initiated against the permittee for violation of permit conditions relating to Best Available Technology, the permittee may affirmatively defend against that action by demonstrating the following:

a. The permittee submitted notification in accordance with R317-6-6.13;
b. The failure was not intentional or caused by the permittees’s negligence, either in action or failure to act;

c. The permittee has taken adequate measures to meet permit conditions in a timely manner or has submitted for the Executive Secretary’s approval, an adequate plan and schedule for meeting permit conditions; and

d. The provisions of UCA 19-5-107 have not been violated.

G. CLOSURE REQUIREMENTS

1. The heap leach pads must be reclaimed in such a way that groundwater pollution is prevented. Any ore heap leach closure scenario that envisions the release of contact water to the environment will require that approved water quality criteria be met for three consecutive monthly samples before contact water release can occur. The sampling procedure must be submitted in the closure plan for review and approval. In no case shall the closure criteria for this heap leach project result in degradation of the surface or ground water quality including beneficial uses thereof in the vicinity.

2. The oxide waste rock dumps and the sulfide waste rock repositories have been capped in accordance with the approved Waste Rock Management Plan (Appendix A). Any ore remaining in the small sulfide ore stockpile above the crusher at closure will be processed at Kennecott Utah Copper (KUC) facilities.

A closure document shall be submitted to both the Division of Water Quality and Division of Oil, Gas and Mining for review and approval twelve (12) months prior to the end of the operation of the heap leach pads and will include the following.

   a) An estimation of the potential for post-closure leaching of contaminants from the leach pads and justification for the type of cover or cap placed over them to prevent ground water pollution.
   b) Plans and procedures for pipeline removal and heap leach closure.
   c) Plans for post-closure ground water monitoring.
   d) Copies of any other reclamation or closure plans filed with other agencies.

H. MINE WATER USE

Water from the mine pits may be piped for use at Kennecott Utah Copper’s Copperton Concentrator. The water may not be used or disposed of otherwise without prior approval from the Division of Water Quality. The mine pit water must not be otherwise discharged from company property.
PART II. MONITORING, RECORDING AND REPORTING REQUIREMENTS

A. REPRESENTATIVE SAMPLING. Samples taken in compliance with the monitoring requirements established under Part I shall be representative of the monitored activity.

B. ANALYTICAL PROCEDURES. Water sample analysis must be conducted according to test procedures specified under UAC R317-6-6.3.L, unless other test procedures have been specified in this permit.

C. PENALTIES FOR TAMPERING. The Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than six months per violation, or by both.

D. REPORTING OF MONITORING RESULTS. Monitoring results obtained during each quarterly reporting period specified in the permit, shall be submitted to the Executive Secretary, Division of Water Quality at the following address no later than the 15th day of the second month following the completed reporting period:

Utah Division of Water Quality
P.O. Box 144870
Salt Lake City, UT 84114-4870
Attention: Ground Water Protection Section

The due dates for reporting are: May 15, August 15, November 15, and February 15.

E. COMPLIANCE SCHEDULES. If compliance schedules are included as part of the ground water discharge permit, compliance or noncompliance with interim or final requirements of the schedule shall be submitted no later than 14 days following schedule date for accomplishing the requirement.

F. ADDITIONAL MONITORING BY THE PERMITTEE. If the permittee monitors any pollutant more frequently than required by this permit, using approved test procedures as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted. Such increased frequency shall also be indicated.

G. RECORDS CONTENTS.

1. Records of monitoring information shall include:

   a) The date, exact place, and time of sampling or measurements;
   b) The individual(s) who performed the sampling or measurements;
   c) The date(s) and time(s) analyses were performed;
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d) The individual(s) who performed the analyses;
e) The analytical techniques or methods used; and,
f) The results of such analyses.

H. RETENTION OF RECORDS. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least five years from the date of the sample, measurement, report or application. This period may be extended by request of the Executive Secretary at any time.

I. TWENTY-FOUR HOUR NOTICE OF NON-COMPLIANCE REPORTING.

1. The permittee shall verbally report any non-compliance which may endanger public health or the environment as soon as possible, but no later than twenty-four (24) hours from the time the permittee first became aware of the circumstances. The report shall be made to the Utah Division of Environmental Quality 24 hour number, (801) 538-6333, or to the Division of Water Quality, Ground Water Protection Section at (801) 538-6146, during normal business hours (8:00 am - 5:00 pm Mountain Time).

2. A written submission shall also be provided to the Executive Secretary within five days of the time that the permittee becomes aware of the circumstances. The written submission shall contain the information requested in Part I.E.3.

3. Reports shall be submitted to the addresses in Part II.D, Reporting of Monitoring Results.

J. OTHER NON-COMPLIANCE REPORTING. Instances of non-compliance not required to be reported within 24 hours, shall be reported at the time that monitoring reports for Part II D are submitted.

K. INSPECTION AND ENTRY. The permittee shall allow the Executive Secretary, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of the permit;

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and,

4. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the Act, any substances or parameters at any location.
PART III. COMPLIANCE RESPONSIBILITIES

A. DUTY TO COMPLY. The permittee must comply with all conditions of this permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. The permittee shall give advance notice to the Executive Secretary of the Utah State Water Quality Board of any planned changes in the permitted facility or activity which may result in non-compliance with permit requirements.

B. PENALTIES FOR VIOLATIONS OF PERMIT CONDITIONS. The Act provides that any person who violates a permit condition implementing provisions of the Act is subject to a civil penalty not to exceed $10,000 per day of such violation. Any person who willfully or negligently violates permit conditions is subject to a fine not exceeding $25,000 per day of violation. Any person convicted under Section 19-5-115 of the Act a second time shall be punished by a fine not exceeding $50,000 per day. Nothing in this permit shall be construed to relieve the permittee of the civil or criminal penalties for non-compliance.

C. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

D. DUTY TO MITIGATE. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

E. PROPER OPERATION AND MAINTENANCE. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

F. UNFORESEEN EVENTS. The conditions of this permit described in Part I.G.2 shall not prohibit the permittee from taking emergency action to prevent the loss of life, personal injury, severe property damage, and to protect public health and the environment.
PART IV. GENERAL REQUIREMENTS

A. Planned Changes. The permittee shall give notice to the Executive Secretary as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required when the alteration or addition could significantly change the nature of the facility or increase the quantity of pollutants discharged.

B. Anticipated Non-compliance. The permittee shall give advance notice of any planned changes in the permitted facility or activity which may result in non-compliance with permit requirements.

C. Permit Actions. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any permit condition.

D. Duty to Reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The application should be submitted at least 180 days before the expiration date of this permit.

E. Duty to Provide Information. The permittee shall furnish to the Executive Secretary, within a reasonable time, any information which the Executive Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Executive Secretary, upon request, copies of records required to be kept by this permit.

F. Other Information. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or any report to the Executive Secretary, it shall promptly submit such facts or information.

G. Signatory Requirements. All applications, reports or information submitted to the Executive Secretary shall be signed and certified.

1. All permit applications shall be signed as follows:
   a) For a corporation: by a responsible corporate officer.
   b) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively.
   c) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. All reports required by the permit and other information requested by the Executive Secretary shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
a) The authorization is made in writing by a person described above and submitted to
the Executive Secretary, and,

b) The authorization specified either an individual or a position having responsibility
for the overall operation of the regulated facility or activity, such as the position of
plant manager, operator of a well or a well field, superintendent, position of
equivalent responsibility, or an individual or position having overall responsibility
for environmental matters for the company. (A duly authorized representative may
thus be either a named individual or any individual occupying a named position.)

3. Changes to Authorization. If an authorization under Part IV.G.2 is no longer accurate
because a different individual or position has responsibility for the overall operation of the
facility, a new authorization satisfying the requirements of Part IV.G.2 must be submitted
to the Executive Secretary prior to or together with any reports, information, or
applications to be signed by an authorized representative.

4. Certification. Any person signing a document under this section shall make the following
certification:

"I certify under penalty of law that this document and all attachments were prepared under
my direction or supervision in accordance with a system designed to assure that qualified
personnel properly gather and evaluate the information submitted. Based on my inquiry of
the person or persons who manage the system, or those persons directly responsible for
gathering the information, the information submitted is, to the best of my knowledge and
belief, true, accurate, and complete. I am aware that there are significant penalties for
submitting false information, including the possibility of fine and imprisonment for
knowing violations."

H. PENALTIES FOR FALSIFICATION OF REPORTS. The Act provides that any person who knowingly
makes any false statement, representation, or certification in any record or other document
submitted or required to be maintained under this permit, including monitoring reports or reports of
compliance or non-compliance shall, upon conviction be punished by a fine of not more than
$10,000 per violation, or by imprisonment for not more than six months per violation, or by both.

I. AVAILABILITY OF REPORTS. Except for data determined to be confidential by the permittee, all
reports prepared in accordance with the terms of this permit shall be available for public inspection
at the offices of the Executive Secretary. As required by the Act, permit applications, permits,
effluent data, and ground water quality data shall not be considered confidential.

J. PROPERTY RIGHTS. The issuance of this permit does not convey any property rights of any sort, or
any exclusive privileges, nor does it authorize any injury to private property or any invasion of
personal rights, nor any infringement of federal, state or local laws or regulations.
K. **SEVERABILITY.** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

L. **TRANSFERS.** This permit may be automatically transferred to a new permittee if:

1. The current permittee notifies the Executive Secretary at least 30 days in advance of the proposed transfer date;

2. The notice includes a written agreement between the existing and new permittee containing a specific date for transfer of permit responsibility, coverage, and liability between them; and,

3. The Executive Secretary does not notify the existing permittee and the proposed new permittee of his or her intent to modify, or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph 2 above.

M. **STATE LAWS.** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, penalties established pursuant to any applicable state law or regulation under authority preserved by Section 19-5-115 of the Act.

N. **REOPENER PROVISIONS.** This permit may be reopened and modified (following proper administrative procedures) to include the appropriate limitations and compliance schedule, if necessary, if one or more of the following events occurs:

1. If new ground water quality standards are adopted by the Board, the permit may be reopened and modified to extend the terms of the permit or to include pollutants covered by new standards. The permittee may apply for a variance under the conditions outlined in R317-6-6.4(D)

2. Changes have been determined in background ground water quality.