

Bureau of Mining Regulation and Reclamation

APPLICATION REQUIREMENTS FOR DISCHARGE OR INFILTRATION OPERATIONS

Name of Facility: _____

Permit Number: _____

General

Reference

Appropriate fee submitted _____

Application signed by owner, operator, or designated agent- _____

Name, location, and mailing address of the facility, owner, operator, authorized agent _____

Legal structure of applicant _____

Name of landowner _____

Documentation of notice to county commissioners _____

Rate of discharge in gallons per day _____

Assessment of Area

Hydrogeology and lithology defined beneath and adjacent to point sources to a minimum of 100 feet including depth and gradient(s) of subsurface aquifer(s)

Geological map covering one mile radius

Topographical map which identifies:

1. All known surface water within one mile radius
2. Existing habitable buildings within one mile radius
3. a. boundaries and area of upgradient watershed
b. degree to which the 100-year, 24-hour storm event will affect discharge components
4. All drinking water wells down gradient to five miles

Greater or lesser review required based on population, depth to ground water, distance to surface water(s), and quality, uses or potential uses of ground water/surface water

Meteorological Report; Analysis of Samples

Monthly Average Rainfall

10, 25, 100-year 24-hour storm event

Diurnal temperature variation

Multi-element spectrographic assay or equivalent of soil to be infiltrated

Soil samples evaluated for potential to mobilize regulated constituents

Engineering Design Report, Specifications for Fluid Management System

Prepared and stamped by a Nevada P.E. _____

Does Report Include:

- 1. Engineering plans for components _____
- 2. General specifications and calculations for components _____
- 3. Topographic map showing all components _____

Drawings of structures and devices _____

Method for control of storm flow run-off _____

Geological and hydrogeological conditions beneath and adjacent to the site:

- 1. Water management system _____
- 2. Degree of natural containment, preferential flow pathways, and structural stability _____

Description of liner materials _____

Installation procedures for ponds and ditches _____

Description of base preparation _____

Details of site monitoring systems _____

Schematics of infiltration system _____

Specifications for constructing the infiltration system _____

Specifications of material used _____

Methods of testing, inspecting and quality assurance/control _____

Is all information sufficient to determine:

- 1. System components _____
- 2. If design protects waters of the State _____
- 3. If monitoring system is adequate to protect waters of the State _____

Note: For existing facilities, the integrity of containment must be documented by using the regulatory containment criteria as a reference (areas that must be considered).

Proposed Operating Plans

Do the proposed operating plans include:

- 1. Description of any water treatment facility which includes:
 - a. a flow chart _____
 - b. range of operating conditions for which the components were designed _____
- 2. Plan for management of waters which describes:
 - a. methods to be used for monitoring and controlling infiltration water _____
 - b. description of the means to evaluate the conditions in the water management system, to quantify the available storage capacity and to define when and to what extent the design capacity has been exceeded _____
- 3. Plan for monitoring which describes:
 - a. water quality in the area _____
 - b. proposed monitoring locations _____
 - c. analytical profile of surface and ground water _____
 - d. frequency of sampling and analytical profile _____
- 4. Plan for responding to emergencies which:
 - a. describes actions to be initiated and by whom _____
 - b. minimizes environmental impact _____
- 5. Temporary closure plan which describes:
 - a. activities which must be maintained during closure _____
- 6. Tentative Plan for Permanent Closure which describes:
 - a. steps to be taken for the decommissioning and/or removal or system components _____

b. estimated costs for closure activities _____

Note: Refer to regulations for detailed requirements

Date of Review: _____

* Note: Information which was previously submitted to NDEP that completely addresses one or more of the above items, may be referenced. The author, title, date and pertinent pages must be included.