

Part II Permit Application
KIF 450
Gypsum Byproduct Disposal Facility

1. Introduction
1. Contents per Rule 1200-1-7-.04 (9)

2. (a) Hydrogeological Report

3. (b) Engineering Plans (Scale 1' = 100')
1. Waste disposal areas
2. Existing topography
3. Locations of Benchmarks
4. Planned groundwater and surface water monitoring locations
5. Soil boring locations
6. Excavated contours, dikes, berms, trenches, for prevention of flooding
7. On-site Borrow areas
8. Planned development fo the site showing phases
9. Surface water run-on control
10. Erosion control measures
11. Utilities and structures
12. Final contours and stormwater controls
13. 100-year floodplain
14. Leachate collection system
15. Gas migration control
16. Details
 - i. Dikes, trenches
 - ii. Leachate collection
 - iii. Monitoring wells
 - iv. Soil buffer/liner/leachate
 - v. Final cover
 - vi. Roads
 - Cross sections

4. Narrative Description (O&M Plan)

- i. Responsible Officials/individual
- ii. Location
- iii. Compliance with Siting Requirements for fault areas
- iv. Compliance with requirements for Seismic
- v. Compliance with requirements for unstable areas
- vi. Barriers, signs procedures to control access
- vii. Sequence of operation
- viii. Types and anticipated volumes of wastes
- ix. No. of acres to be filled including buffer areas – each parcel separately addressed
- x. Waste handling and covering program
- xi. Operating equipment
- xii. Structures and procedures for collecting litter
- xiii. Run-on and run-off control
- xiv. Leachate collection
- xv. Dust control measures
- xvi. Fire safety
- xvii. Personnel facilities
- xviii. CQA Plan
- xix. Control of migration of explosive gasses
- xx. Groundwater Monitoring Program
 1. number and locations of wells and monitoring points
 2. monitoring well construction
 3. parameters and frequency
 4. sampling and analytical procedures
 5. reporting methods to the State
- xxi. Engineering statement of flood frequency and flood protection measures
- xxii. Endangered or threatened species

5. Closure/Post-closure Plan (1200-1-7.03 (2))

- i. Description of partial closure and final closure
- ii. Groundwater and surface water monitoring
- iii. Contact person
- iv. Itemized estimate for closure
- v. Description of planned uses of property during post-closure

6. Financial Assurance Requirements

Appendices

- Engineering Calculations