

**REQUIRED ANNUAL REPORT INFORMATION
FOR NON-COAL LARGE MINING OPERATIONS**

Land Quality Division, Districts I, II & III

RE: Wyoming Environmental Quality as Amended §35-11-411, Annual Report

1.
 - (a) Name of Permittee.
 - (b) Address and Phone Number.
 - (c) Mining Permit Number.
 - (d) Date of Permit Issuance (and any Amendment).
 - (e) Mineral(s) Mined.
 - (f) State and Federal Mineral Lease Numbers.

2. Time period covered by the report.

3. Mining:
 - (a) Tabulate acreage disturbed (by pits, roads, facilities, etc.) during the report period and illustrate on map.
 - (b) Tabulate acreage affected to date by years and illustrate on map.
 - (c) Tabulate all topsoil stockpile volumes, date of stockpiling and illustrate on map.
 - (d) Tabulate all out-of-pit spoil volumes, dates of placement and illustrate on map.
 - (e) Tabulate quantity of commodity mined by years.
 - (f) Describe any new construction during the report period and illustrate on map; include:
 1. Shop facilities, erection sites.
 2. Roads.
 3. Culverts.
 4. Diversion ditches, collector ditches, interceptor ditches, etc.
 5. Sediment ponds, containment ponds.
 6. Monitoring sites.
 - (g) Describe any environmental problem areas, the proposed plan for mitigating them and illustrate areas on map; including:
 1. Pit stability problems.
 2. Subsidence.
 3. Accidental water discharge, dam failure, etc.

4. Slumping or sliding.
5. Revegetation problem areas.

4. Reclamation

- (a) Tabulate the acreage completed during the report period and illustrate on map. Distinguish between:
 1. Backfilled, graded, and contoured. Including date of approval for coal permits.
 2. Topsoiled.
 3. Seeded.
 4. Reseeded.
 5. Indicate where special construction or reclamation practices were used such as for sand bodies or alluvial material.
- (b) Submit a map showing the reconstructed contours. The map must be the same scale and contour interval as the PMT map in the approved permit.
- (c) Tabulate acreage reclaimed (seeded with permanent seed mix) to date by years and illustrate on map.
- (d) Describe reclamation procedures used during the report period:
 1. Depth of topsoil applied. Indicate whether from stockpile or directly applied.
 2. Type of seed used for seeding during the report period.
 3. Dates of seeding during the report period.
 4. Seeding procedures used.
 5. Rate of seed application.
 6. Type and rate of any fertilizer applied.
 7. Type and rate of mulch applied.
 8. Rate of irrigation water applied.
 9. Any deviations to the approved reclamation plan including, in addition to the items above, changes to the contour or location of post mining features.
- (e) Describe results of previous revegetation efforts; include:
 1. Types of seed that have germinated and are growing.
 2. Types of seed that are not growing successfully.
 3. Areas experiencing problems with weeds and weed types.

4. Significant erosional problems.
 5. Areas of unsuitable overburden on the surface.
 6. Procedures used or proposed to correct these problems.
- (f) Summarize the actual reclamation costs incurred during the report period. Costs should be itemized for each operation (i.e. grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e. spoil, haul roads, facilities removal, etc.) on a per-acre basis.
5. Describe in detail mining plans for the coming year including revised time schedules and all proposed deviations from previously approved plans. Acreages should be tabulated and illustrated on a map.
 6. Describe in detail reclamation plans for the coming year including revised time schedules and deviations from previously approved plans. Acreages should be tabulated and illustrated on a map.
- NOTE: On Items 5 and 6 above, any proposed deviation from the approved mine and reclamation plan must be described in detail. The proposed mining and reclamation plans will be reviewed and the operator will be notified if further information is required. "Significant" deviations will require permit revision application (Form 11) and public notice pursuant to Chapter 7, Section 2 of Land Quality Division Noncoal Regulations.*
7. Describe in detail all monitoring activities during the report period, summarize the data, and describe procedures to correct any noted problems and deviations from previously approved methods, including:
 - (a) Groundwater analyses.
 - (b) Surface water analyses and discharge data.
 - (c) Precipitation data.
 - (d) Subsidence monitoring.
 - (e) Overburden analyses.
 - (f) Topsoil quantities - compare calculated and actual.
 - (g) Vegetation data.
 - (h) Wildlife data.
 - (i) A map showing and identifying monitoring locations.
 8. Operator's Reclamation Performance Bond Estimate as required by Wyoming Statute §35-11-417. Reclamation cost estimates should be itemized in detail to reflect the actual estimated costs of reclaiming all lands which have been affected to date and those lands to be affected during the next report period. Costs must reflect procedures as specified in the

approved mine and reclamation plan. The estimated cost of dismantling and disposal of all facilities and structures must be included. Salvage value will not be used to offset bonding requirements. Reclamation projected for the coming year will not be used to offset bonding requirements. Pit backfill costs must reflect actual yardages to be moved. Actual yardages to be moved will reflect the removal or placement of additional material to correct any deviations between the PMT map and the map submitted for part 4.(b).

9. Supply any additional information as requested by the Division related to:
 - (a) Notices of violation
 - (b) Orders
 - (c) Permit stipulations; and
 - (d) Other special conditions.

10. All drill holes used for immediate developmental expansion of the advancing pit(s) shall be tabulated by location and depth and shown on the mining plan map. Pursuant to W.S. §35-11-404(e), all drill holes used for exploration shall be reported to the LQD Abandoned Drill Hole Program Supervisor and the State Engineer.

ANNUAL REPORT MAPS

1. Maps must be clear and legible contour maps or recent aerial photos. The preferred scale is 1" = 500'.
2. Map sheets should be of a reasonable size, generally not to exceed 48" on a side.
3. Maps must have a title block with:
 - (a) Map title.
 - (b) Name and address of permittee.
 - (c) Permit and amendment numbers.
 - (d) Annual report period.
 - (e) Scale, north arrow, contour interval, date of photography, etc.
4. All maps must show:
 - (a) Legal subdivisions -- section, township, and range lines clearly labeled.
 - (b) Permit area boundary clearly shown and labeled.
 - (c) Amendment areas clearly shown and labeled.
5. The following features should all be clearly identified:
 - (a) Topsoil stockpiles (numbered).
 - (b) Settling ponds and sediment control structures.
 - (c) Haul roads.
 - (d) Pits identified by location, name, number, etc.
 - (e) Ramps (numbered).
 - (f) Out-of-pit spoil dumps including date of initial placement of material (if permanent, give approval date).
 - (g) All waste disposal sites including, but not limited to:
 1. Carbonaceous waste dumps.
 2. Partings dumps.
 3. Fly ash disposal sites, etc.
 4. Landfill sites.
 - (h) Diversion ditches
 - (i) Monitoring sites
 - (j) Facilities location (silos, labs, crushers, washbays, etc.)
6. History of mining and reclamation should be documents for all areas. The preferred method

is to outline separate areas on the map and assign each a number. Then a summary should be presented listing the following information for each separate area:

- (a) Acreage.
 - (b) Initial date of disturbance.
 - (c) Date of regrading.
 - (d) Date of approval of grading.
 - (e) Date of topsoiling and approximate depth, source of topsoil.
 - (f) Date of mulching and type of mulch.
 - (g) Date of seeding.
 - (h) Seed mix.
 - (i) Date and mix of reseeding.
 - (j) Any reworking such as repair of gullies, etc.
 - (k) Bond status of areas (type of bond, date of any release and percent released).
7. All areas to be affected by mining and reclamation activities in the coming year should be outlined and labeled.

