

Reilley - DNR, Robin <robin.reilley@state.co.us>

RE: ADQ3 M2018030 TR1

1 message

David Kotz <DaveK@sgm-inc.com> To: "Reilley - DNR, Robin" <robin.reilley@state.co.us> Fri, Feb 2, 2024 at 4:14 PM

Robin,

Good talking with you today.

In response to your 12 Jan2024 Adq #3 letter, I've attached revised pages 3 – 16 (rev.2/2/24) for continuity as discussed.

Answers to your specific questions are as follows:

- We are going back to the original 4- 6" topsoil depth everywhere and in the attached PDF
- Section F v) page 9 says 4" 6" topsoil
- Sequence should no be correct as pages 3 16 submitted as one PDF
- Town of Granby is not conducting any mining in the area under M2021001 as Sun River Run Resort is permit holder.

Hope this works. Please give me a call if there is more to discuss.

Thank you,

David M. Kotz, PE, CFM

Principal Civil Engineer



118 W Sixth St, Suite 200 Glenwood Springs, CO 81601 970.384.9008 / 970.379.9792 cell www.sgm-inc.com



From: Reilley - DNR, Robin <robin.reilley@state.co.us> Sent: Friday, February 2, 2024 9:10 AM To: David Kotz <DaveK@sgm-inc.com>; Robin Reilley - DNR <robin.reilley@state.co.us> Subject: Re: ADQ3 M2018030 TR1

Hi David,

Just a quick note if you would be so kind as to look at these last couple of questions and get back to me.

Thank you

Robin Reilley, M.S. GISP

Environmental Protection Specialist II



P 303.866.3567 ext 8105 |

F 303.832.8106

Physical Address: 1313 Sherman Street St., Suite 215, Denver, CO 80203

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On Tue, Jan 16, 2024 at 4:42 PM Reilley - DNR, Robin <robin.reilley@state.co.us> wrote:

Hi Dave,

I have a couple of questions as attached.

Thank you

Robin Reilley, M.S. GISP

Environmental Protection Specialist II



COLORADO Division of Reclamation, Mining and Safety Department of Natural Resources

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Pages from granby_mine_permit_13June2018-TR1rev2Feb2024.pdf 232K (g) Show the owner's name, type of structures, and location of all significant, valuable, and permanent man-made structures contained on the area of affected land and within two hundred (200) feet of the affected land.

Exhibit C b & g shows the one structure present just outside the affected area but within the permit area as a Town of Granby Raw Water Pump Station to be Owned by Sun Granby RV Resort.

- (h) In conjunction with Exhibit I Soils Information, Subsection 6.4.9, soils information may be presented on a map in this section;
 - (i) Aerial photos, if available, may be included in this section.

See Exhibit C-h shows the soil map units mapped from the NRCS Grand County Area.

6.4.4 EXHIBIT D - Mining Plan

The mining plan shall supply the following information, correlated with the affected lands, map(s) and timetables:

(a) description of the method(s) of mining to be employed in each stage of the operation as related to any surface disturbance on affected lands;
 See information below in subsequent bullets

(b) earthmoving;

The mine will use of conventional earth moving equipment to stockpile gravel and soil and grade the project. Most of the gravel is already stockpiled from operations for the Shorefox Development circa 2007.

- (c) all water diversions and impoundments; and Water will not be diverted for mining purposes. There are existing wet and dry ponds shown on Exhibit D.
- (d) the size of area(s) to be worked at any one time.
 The size of area(s) to be worked at any one time are approximately 35 acres or less, and as necessary for construction within the planning areas and roads
- (e) An approximate timetable to describe the mining operation. The timetable is for the purpose of establishing the relationship between mining and reclamation during the different phases of a mining operation. An Operator/Applicant shall not be required to meet specific dates for initiation, or completion of mining in a phase as may be identified in the

timetable. This does not exempt an Operator/Applicant from complying with the performance standards of Section 3.1. If the operation is intended to be an intermittent operation as defined in Section 34-32.5-103(11)(b), C.R.S., the Applicant should include in this exhibit a statement that conforms to the provisions of Section 34-32.5-103(11)(b), C.R.S. Such timetable should include:

(i) an estimate of the periods of time which will be required for the various stages or phases of the operation;

Construction of River Run Phase 1 (PA 7 through 17 and parcel X)was deemed substantially complete in November 2022 . The start of Phase 2 is dependent on the success of Phase 1. Development of PAs 5, 6, 18, 19, 20, 21, and 22 is dependent on market conditions. PA numbers are shown on Exhibit D. The Town envisions continued operations for the next decade or more in the 14.4 acre Affected Area shown in the 2023 Annual Report – Affected Areas Exhibit C_c.

(ii) a description of the size and location of each area to be worked during each phase;

The Town plans to use existing stockpiles in the 14.4 acre Affected Area will additional minin there as needed. Future construction will use the nearest available source of gravel and/or fill materials. Size of disturbance will vary according to adjacent fill material needs.

(iii) outlining the sequence in which each stage or phase of the operation will be carried out.

A portion of the area has been mined and there are existing stockpiles present that will be used. by Town of Granby. More mining may occur, as needed, based on what is needed for use by the Town.

(Timetables need not be separate and distinct from the mining plan, but may be incorporated therein.)

The Town of Granby plans to use the previously mined and stockpiled material on town projects. Additional minind will be driven by construction needs and conditions over the next two decades.

- (f) A map (in Exhibit C Pre-Mining and Mining Plan Maps(s) of Affected Lands, Subsection 6.4.3) may be used along with a narrative to present the following information:
 - (i) nature, depth and thickness of the deposit to be mined and the thickness and type of overburden to be removed (may be marked "CONFIDENTIAL," pursuant to Paragraph 1.3(3)); and

Refer to Exhibit C -c for a map of the topo in the permit area.

- (ii) nature of the stratum immediately beneath the material to be mined in sedimentary deposits.
 Refer to the boring logs Appendix C "Preliminary Geotechnical Engineering Study and Geologic Hazards Study" by Kumar & Associates July 20, 2017. Generally, alluvial sands and gravels exist below areas to be mined.
- (g) Identify the primary and secondary commodities to be mined/extracted and describe the intended use; and Sand and Gravel and reclamation material are the primary and secondary commodities that are mined/extracted for use on Town

secondary commodities that are mined/extracted for use on Town projects..

- (h) name and describe the intended use of all expected incidental products to be mined/extracted by the proposed operation. The intended use of the materials mined are to be used for new parks, water plant, bike paths, roads, and other site development.
- Specify if explosives will be used in conjunction with the mining (or reclamation). In consultation with the Office, the Applicant must demonstrate pursuant to Subsection 6.5(4), Geotechnical Stability Exhibit, that offsite areas will not be adversely affected by blasting. Explosives will not be used during mining or reclamation of the property.

6.4.5 EXHIBIT E - Reclamation Plan

include:

- (1) In preparing the Reclamation Plan, the Operator/Applicant should be specific in terms of addressing such items as final grading (including drainage), seeding, fertilizing, revegetation (trees, shrubs, etc.), and topsoiling. Operators/Applicants are encouraged to allow flexibility in their plans by committing themselves to ranges of numbers (e.g., 6"-12" of topsoil) rather than specific figures. Refer to Appendix D River Run Resort plans, and Appendix E Drainage Reports for North and South Area of River Run Resort for final grading and reclamation procedures. The Town will generally employ the procedures to reclaim the affected area to have 3:1 or flatter slopes with 4" + topsoiland native grasses.
- Resort have a stockpiled materials agreement as shown in Appendix F.
 (2) The Reclamation Plan shall include provisions for, or satisfactory explanation of, all general requirements for the type of reclamation proposed to be implemented by the Operator/Applicant. Reclamation shall be required on all the affected land. The Reclamation Plans shall

(a) A description of the type(s) of reclamation the Operator/Applicant proposes to achieve in the reclamation of the affected land, why each was chosen, the amount of acreage accorded to each, and a general discussion of methods of reclamation as related to the mechanics of earthmoving;
 Refer to Appendix D and Exhibit D for a map of the planned

development in the Gravel Mine area. The reclamation of the gravel pit will include RV resort development (as approved by Town of Granby Land Use process), recreation open space, future development for Town of Granby, and native areas.

Detailed studies and plans exist for the area. While the gravel mine is permitted outside of the RV park area, the majority of the existing disturbance and commodity location is within that project boundary. The Town and River Run RV park plan to reclaim/develop the area according to their master plan, as seen in Appendix D. The River Run RV park has developed a permanent and temporary seed mix (recommended by Grand County, NRCS). The permanent seed mix is a dry land nonirrigated grassland mix that includes smooth brome, sheep fescue, pubescent wheatgrass, and blue flax. The temporary seed mix includes an equal mixture of smooth brome and pubescent wheatgrass. Full seed mixes as well as seedbed preparation is included in the Stormwater Management Plan, Appendix G.

The recreation open space is primarily in the big sagebrush shrubland and is not planned for further development. The disturbance in this space will be reclaimed using a grass and shrub seed mix as approved by the Town of Granby. Ponds will either remain as ponds or be filled and reclaimed with a grassland seed mix. Future development areas (blue and green) on Exhibit D will be reclaimed using a grassland seed mix, as this is more of an interim vegetation/soil cover till some future development occurs.

The no build area has limited disturbance. The disturbance will be reclaimed using a native grassland seed mix.

There are currently stockpiled materials that will be used for construction. Disturbed areas will be seeded with a native seed mix until such time that more development may occur. The mine has also stripped the topsoil and has stockpiled it to be used for reclamation purposes. If there is less topsoil than needed, topsoil will be imported into the area. Topsoil will be placed at 4-6 inches in areas that will be seeded.

(b) A comparison of the proposed post-mining land use to other land uses in the vicinity and to adopted state and local land use plans

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and programs. In those instances where the post-mining land use is for industrial, residential, or commercial purposes and such use is not reasonably assured, a plan for revegetation shall be submitted. Appropriate evidence supporting such reasonable assurance shall be submitted;

The Town of Granby has approved the development areas within the permit area thru the Town's Land Use process and has retained security for revegetation. All development is consistent with the Town's Master Plan. The 14.4 acre affected area is slated to be Open Space.

A description of how the Reclamation Plan will be implemented

to meet each applicable requirement of Section 3.1;

(c)

The reclamation plan includes planned development and ground cover for wildlife. Once mining in completed in an area the reclamation will be completed within five years of mining completion. Mining completion includes the use of all mining material from stockpiled areas.

Some of the permit lands may be open to the public including the planned recreational uses as indicated on Exhibit D.

(d) Where applicable, plans for topsoil segregation, preservation, and replacement; for stabilization, compaction, and grading of spoil; and for revegetation. The revegetation plan shall contain a list of the preferred species of grass, legumes, forbs, shrubs or trees to be planted, the method and rates of seeding and planting, the estimated availability of viable seeds in sufficient quantities of the species proposed to be used, and the proposed time of seeding and planting;

Refer to Appendix G Stormwater Management Plan for a list of seed mixes that the River Run Resort will utilize. The Town of Granby will design their own seed mix based on the Middle Park Conservation District (MPCD) Seed Mixes. The MPCD seed mixes are primarily grassland seed mixes which will work well for the areas of disturbance (Appendix I). Appendix I also includes information from MPCD on planting for success.

- (e) A plan or schedule indicating how and when reclamation will be implemented. Such plan or schedule shall not be tied to any specific date but shall be tied to implementation or completion of different stages of the mining operation as described in Subparagraph 6.4.4(1)(e). The plan or schedule shall include:
 - An estimate of the periods of time which will be required for the various stages or phases of reclamation;

Refer to Exhibit D and Appendix D regarding the plan for the River Run Resort. Other areas will be reclaimed by Town of Granby once mining is complete.

- (ii) A description of the size and location of each area to be reclaimed during each phase; and Refer to Exhibit D and Appendix D regarding the plan for the River Run Resort. Other areas will be reclaimed by Town of Granby once mining is complete.
- (iii) An outline of the sequence in which each stage or phase of reclamation will be carried out.

Reclamation will occur within six months of the completion of mining in an area and/or when the stockpiles have been used. Areas within the River Run Resort will be temporarily stabilized within 14 calendar days after activity has ceased, unless work is to be resumed within 45 days (Appendix G).

(The schedule need not be separate and distinct from the Reclamation Plan, but may be incorporated therein.)

- (f) A description of each of the following:
 - (i) Final grading specify maximum anticipated slope gradient or expected ranges thereof;

Appendix C- Geotechnical Study in the Site Grading and Earthwork section discusses fill placement, site preparation, permanent cut and fill slopes, excavation considerations, utility trenches, material specifications, and compaction specifications. Permanent unretained cuts should have a maximum slope of 3:1.

- (ii) Seeding specify types, mixtures, quantities, and expected time(s) of seeding and planting;Refer to Appendix G and appendix I.
- (iii) Fertilization if applicable, specify types, mixtures, quantities and time of application;

Based on the soil in the area having a good potential to be used as the topsoil, fertilization may not be required. Appendix I also discusses fertilization.

- (iv) Revegetation specify types of trees, shrubs, etc., quantities, size and location; and
 Refer to Appendix D Overall Site Plan and Landscape Detail for a description of tree and shrub plantings in the River Run Resort. A more detailed landscape plan can be provided upon request.
- (v) Topsoiling specify anticipated minimum depth or range of depths for those areas where topsoil will be replaced.

The anticipated range of topsoil depth is between 4 to 6 inches.

6.4.6 <u>EXHIBIT F - Reclamation PlanMap</u>

The map(s) of the proposed affected land, by all phases of the total scope of the mining operation, shall indicate the following:

- (a) The expected physical appearance of the area of the affected land, correlated to the proposed mining and reclamation timetables. The map must show proposed topography of the area with contour lines of sufficient detail to portray the direction and rate of slope of all reclaimed lands; and Refer to Exhibit D
- (b) Portrayal of the proposed final land use for each portion of the affected lands.
 Refer to Exhibit D.

6.4.7 EXHIBIT G - Water Information

(1) If the operation is not expected to directly affect surface or groundwater systems, a statement of that expectation shall be submitted.

The operation will consist of using existing stockpiles and gravel deposits for construction of roads and development areas. It is not expected to directly affect surface or groundwater systems, specifically the Colorado River. There are a few excavated ponds on the property and these will not be

reclaimed but rather used as part of the development.

(2) If the operation is expected to directly affect surface or groundwater systems, the Operator/Applicant shall:

(a) Locate on the map (in Exhibit C) tributary water courses, wells, springs, stock water ponds, reservoirs, and ditches on the affected land and on adjacent lands where such structures may be affected by the proposed mining operations; Not Applicable

- (b) Identify all known aquifers; and Not Applicable
- (c) Submit a brief statement or plan showing how water from de-watering operations or from runoff from disturbed areas, piled material and operating surfaces will be managed to protect against pollution of either surface or groundwater (and, where applicable, control pollution in a manner that is consistent with water quality discharge permits), both during and after the operation. Not Applicable
- (3) The Operator/Applicant shall provide an estimate of the project water requirements including flow rates and annual volumes for the development, mining and reclamation phases of the project.

	Historical Hay Grass			Proposed Bluegrass		
	Unit	Unit	35	Unit	Unit	35
	Consumption	Demands	acres	Consumption	Demands	acres
Month	AF/acre	AF/acre	AF	AF/acre	AF/acre	AF
April	0.02	0.03	0.88			
May	0.12	0.15	5.25	0.09	0.11	3.75
June	0.24	0.30	10.50	0.38	0.47	16.42
July	0.31	0.39	13.56	0.41	0.51	17.83
August	0.26	0.33	11.38	0.33	0.42	14.54
September	0.13	0.16	5.69	0.21	0.27	9.38
October	0.04	0.05	1.75			
Annual	1.12	1.40	49.00	1.42	1.77	61.93

(Table based on info from Wright Water Engineers)

The Town owns ample water rights associated with the permit area. Reclamation is the only part of the process requiring water. An estimated 1.4 acre-feet per acre is required for the restoration season. Over the 35 acres to be reclaimed with native seeds equates to a peak monthly demand of approximately 0.25 cfs and an annual demand of 49.0

acre-feet.

(4) The Operator/Applicant shall indicate the projected amount from each of the sources of water to supply the project water requirements for the mining operation and reclamation.

Reclamation water will originate from the Bunte Highline Ditch, or Shorefox Diversion Nos. 4 or 5 on the Colorado River. Each of those sources has sufficient water to meet the entire reclamation demand. Refer to Colorado Water Court Case No. 03CW333.

(5) The Operator/Applicant shall affirmatively state that the Operator/Applicant has acquired (or has applied for) a National Pollutant Discharge Elimination System (NPDES) permit from the Water Quality Control Division at the Colorado Department of Health, if necessary.

> The Town of Granby affirms that a CDPHE NPDES will be in place prior to any regulated activity on River Run Ranch or other development with the permit area.

6.4.8 EXHIBIT H - WildlifeInformation

- (1) In developing the wildlife information, the Operator/Applicant may wish to contact the local wildlife conservation officer. The Operator/Applicant shall include in this Exhibit, a description of the game and non-game resources on and in the vicinity of the application area, including:
 - (a) a description of the significant wildlife resources on the affected land;

Atwell completed a Technical Data Summary Memorandum for the Sun Communities RV Resort – Phase 1 Breeding Avian Concern Species Risk Assessment (May 10, 2017). The memo provides general findings and conclusions that are summarized here but can be found in Appendix B.

- Three species of nesting birds may utilize the area:
 - Swainson's Hawk
 - Greater Sage Grouse
 - Willow flycatcher
- Federally threatened Yellow-billed Cuckoo likely does not next within the project area. The area is outside of critical habitat.
- Greater sage grouse may utilize the sagebrush shrubland in the recreation open space on Exhibit D.

• Willow flycatcher may be present in the wetland areas in the project area. See map Granby RV Resort Conservation Concern Bird Habitat in Appendix B.

Atwell also conducted a Raptor Nest Survey for a portion of the project area. The report can be found in Appendix H. In general the area does not appear to harbor significant raptor nest resources and the survey did not locate any active Bald Eagle or Golden Eagle nests. Four raptors were observed during the May 1 site visit:

- American Kestrel
- Great Horned Owl
- Red-tailed Hawk
- Turkey Vulture

Six stick nests structures were identified in the survey, two nests were active. The active nests were occupied by a possible Great Horned Owl and the other by a common raven. There are recommended buffer zones for raptors as presented on page 6 of the report.

(b) seasonal use of the area;

Refer to Exhibit H. The CPW publishes their GIS data. SGM overlaid the GIS data on the greater project area and found the following wildlife species utilize the area:

- Bald Eagle- Roost Sites, Winter Concentration, Summer Forage, Winter Forage, Winter Range
- Black Bear Overall Range
- Boreal toad Overall Range
- Elk Migration Patterns
- Elk- Highway Crossings, Summer Range, Severe Winter Range, Winter Concentration Area, Winter Range, Overall Range
- Canada Geese- Brood Concentration Area, Production Area, and Concentration Area
- Great Blue Heron Nesting Area
- Greater Sage Grouse Historic Habitat, Production Area, severe Winter Range, Winter Range, Preliminary Priority and General Habitat, Overall Range
- Lynx Potential Habitat
- Moose Summer Range, Winter Range, Overall Range
- Mountain Lion Overall Range
- Mule Deer Highway Crossing, Concentration Area, Summer Range, Migration Corridors, Winter range, Overall Range
- Osprey Foraging Area
- Proghorn Migration Patterns, Concentration Area, Migration Corridors, Overall Range

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- Terrestrial Gartnersnake Ranger
- River Otter Concentration Area, Winter Range, Overall Range
- White Pelican Foraging Area, Overall Range
- White-tailed Deer Overall Range
- (c) the presence and estimated population of threatened or endangered species from either federal or state lists; and Appendix B describes the findings the Breed Bird Risk Assessment.
- (d) a description of the general effect during and after the proposed operation on the existing wildlife of the area, including but not limited to temporary and permanent loss of food and habitat, interference with migratory routes, and the general effect on the wildlife from increased human activity, including noise.
 Refer to Appendix J that shows a wildlife seasonal

plan for migration corridors within the permit area.

(2) The application may be reviewed and commented upon by the State of Colorado Division of Wildlife (DOW). If the DOW has comments, they must be provided prior to the end of the public comment period specified in Subsection 1.7.1(2)(a) to be considered by the Board and Office.

> The CPW has already reviewed the draft plans for the River Run Resort and provided comments back in early September 2016. There were no formal comments, however CPW asked that the wildlife corridors be added to the plan set. The resort added the corridors to the plan site, see Appendix J.

6.4.9 EXHIBIT I - Soils Information

(1) In consultation with the Soil Conservation Service or other qualified person, the Operator/Applicant shall indicate on a map (in Exhibit C) or by a statement, the general type, thickness and distribution of soil over the affected land. Such description will address suitability of topsoil (or other material) for establishment and maintenance of plant growth. The above information shall satisfy "completeness" requirements for purposes of determination of date of filing.

Exhibit C-h is a map from NRCS web soil survey showing the variety of soil map units within the permit area as well as the location. The soil map units that comprise greater than 5% of

the permit area include:

- Tine gravelly sandy loam, 0-3% slopes
- Cumulic Cryaquolls, nearly level
- Youga loam, 6-15% slopes
- Woodhall loam, 15-50% slopes
- Youga loam, 1-6 % slopes
- Rock outcrop- Cryoborolls complex, extremely steep

The other soil map units comprise less than 5% of the project area and can be found on page 3 of the NRCS soil map.

According to USDA NRCS Web Soil Survey most of the soil map units in the project area are ranked as poor gravel sources and the other two are not rated. The Cumulic Cryaquolls, nearly level and Tine gravelly sandy loam, 0-3% slopes map units are rated fair for sand source. Several of the soil map units are rated as fair or good as reclamation material. Fair to good reclamation material is a indicator of good topsoil. The fair ranked soil map units include:

- Aaberg clay loam, 15-30% slopes
- Binco clay loam, 15-35% slopes
- Cimarron loam, 2-6% slopes
- Cimarron loam, 6-15% slopes
- Cimarron loam, 15-35% slopes
- Cumulic Cryaquolls, nearly level
- Histic Cryaquolls, nearly level

• Mayoworth clay loam, 15 to 50 percent slopes The soil map units that are ranked as good for reclamation material includes Youga loam 1-6% slopes, 6-16% slopes, and 15-45% slopes as the component of Youga is a good reclamation material. The areas of good material are found north of the river and the majority of the fair areas are located south of the river.

(2) If necessary, at its discretion, the Board may require additional information on soils or other growth media to be stockpiled and used in revegetation to be submitted subsequent to the filing and notification of "completeness" of the application.

Not applicable.

- 6.4.10 EXHIBIT J Vegetation Information
 - (1) The Operator/Applicant shall include in this Exhibit a narrative of the following items:
 - (a) descriptions of present vegetation types, which include quantitative estimates of cover and height for the principal species in each life-form represented (i.e., trees, tall shrubs, low shrubs, grasses, forbs);

Exhibit J shows the vegetation types in the permit area. Quantitative estimates of cover and height for the principal

Town of Granby Mining Permit

species in each life-form was not conducted in the permit area. The Phase 1 report from Atwell reports that the majority of the project area is dominated with arid grassland with some trees and shrubs (Appendix A). The area to the north of the affected area is dominated with big sagebrush shrubland (Appendix B). Areas around the Colorado River are dominated with riparian species including willows and shrub habitats.

- (b) the relationship of present vegetation types to soil types, or alternatively, the information may be presented on a map;
 Refer to Exhibit J-b map of vegetation types and soil map units.
- (c) estimates of average annual production for hay meadows and croplands, and carrying capacity for range lands on or in the vicinity of the affected land, if the choice of reclamation is for range or agriculture.
 There is no annual production for hay meadows or

croplands in the permit area.

(2) The Operator/Applicant shall show the relation of the types of vegetation to existing topography on a map in Exhibit C. In providing such information, the Operator/ Applicant may want to contact the local Soil Conservation District.

Exhibit J-2 shows the vegetation types and topography.

6.4.11 EXHIBIT K - Climate

Provide a description of the significant climatological factors for the locality. The Town of Granby's website state (Town of Granby 2018) the average elevation is 7,935 feet. The average precipitation is 12.26" of rainfall and 128.4" of snow. The average temperature in the summer ranges between 50 and 85 degrees and mid-teens in the winter.

6.4.12 EXHIBIT L - Reclamation Costs

(1) All information necessary to calculate the costs of reclamation must be submitted and broken down into the various major phases of reclamation. The information provided by the Operator/Applicant must be sufficient to calculate the cost of reclamation that would be incurred by the state.

> Refer to Appendix K for a history of the Shorefox Mining Permit. In March 2006, the Mined Land Reclamation Board determined that Shorefox would not need a state mining permit. The earthwork

material and gravel mined at Shorefox would primarily be used on site for construction. No state mining permit was needed so long as the Town of Granby requires some minimal performance bond. The Town of Granby issued a conditional use permit in August 2006, Appendix K, for the Shorefox Onsite Earthwork and Gravel Amendment. The estimated cost for reclamation in 2006 for approximately 15 acres was \$26,000 or \$1733 an acre.

Based on significant project area experience, the Town estimates the cost of reclamation is \$3,750/acre in 2024 \$.

(2) The Office may request the Operator/Applicant to provide additional, reasonable data to substantiate said Operator/Applicant's estimate of the cost of reclamation for all Affected Lands.

6.4.13 EXHIBIT M - Other Permits and Licenses

A statement identifying which of the following permits, licenses and approvals the Operator/Applicant holds or will be seeking in order to conduct the proposed mining and reclamation operations: effluent discharge permits, air quality emissions permits, radioactive source material licenses, the State Historic Preservation Office clearance, disposal of dredge and fill material (404) permits, permit to construct a dam, well permits, explosives permits, highway access permits, U.S. Forest Service permits, Bureau of Land Management permits, county zoning and land use permits, and city zoning and land use permits. The Town of Granby is the permitting authority for this property. No other permits (besides NPDES) are required for gravel operations.

6.4.14 EXHIBIT N - Source of Legal Right to Enter

The source of the Operator's/Applicant's legal right to enter and initiate a mining operation on the affected land. (Same requirements as Rule 6.3.7). The Town and Sun Communities own all of the property.

6.4.15 <u>EXHIBIT O - Owner(s) of Record of Affected Land (Surface Area)</u> and Owners of Substance to beMined

The complete list of all owners can be submitted as a list or on a map in Exhibit C.

Refer to Exhibit C- a & d.