



6/23/2022

Brock Bowles
Environmental protection Specialist
Colorado Division of Reclamation Mining & Safety (DRMS)
1313 Sherman St., Room 215
Denver, Colorado 80202

Re: Technical Revision, Goose Haven Reservoir M-2010-071

Mr. Bowles,

As required to satisfy the corrective action indicated on the May 22, 2022 Inspection report, we are submitting this request for a technical revision (TR) on behalf of the City of Lafayette and Rock Products of CO, LLC. The TR addresses a change to the source, handling and specification for topsoiling of the areas shown on the reclamation plan, plan view maps (Exhibit F – Reclamation Plan Map - Sheets 1, 2 and 2A).

The existing reclamation plan calls for the stockpiling of onsite topsoil which was to be used to replace topsoil to a depth of 1ft. Since the stockpile has been potentially compromised as adequate growth media, the new plan will be for all of the topsoil required for reclamation to be imported from the File Pit 112 (M-2004-047) mine site. It has been determined that the File Pit 112 has a surplus of topsoil that has been undisturbed and has established vegetation. The topsoil salvaged at the File Pit 112 site came from previously productive irrigated farmland. It is understood that Eric Scott of the DRMS recently did a site inspection for File Pit 112 and can verify that the topsoil stockpiles have been appropriately stored.

The total volume of topsoil to be imported will be 27, 294 yd³. The topsoil will be applied directly to the areas identified for topsoiling on Exhibit F – Reclamation Plan Map Sheets 1, 2 and 2A by dumping directly from the haul trucks to the placement areas, graded to a depth of 6" and disked with farm style implements prior to seeding. Table 6.4.5-1 (see below) has been updated to reflect the most current topsoiling areas and volumes consistent with the pending AM-2 permit amendment.

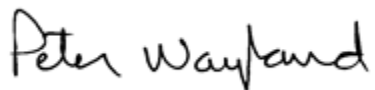
Table 6.4.5-1. Reclamation Earthwork Summary

CELL 2	30-45ft deep					
ITEM	VOLUMES		LENGTH		AREAS	
Total Embankment	163,040.00	yd ³				
Clay Liner	90,507.25	yd ³				
Slope fill	76,550.00	yd ³				
Keyway Volume	4017.25	yd ³				
Keyway Length			4338.63	ft		
Pit Floor Area					150,390.76	yd ²
Pit Floor Area					31.13	ac
Pit Floor Depth of Excavation			1.81	ft		
Topsoil / Revegetation Replacement Area					34,061.02	yd ²
Topsoil / Revegetation Replacement Area					7.05	ac
Topsoil Replacement Depth			0.5	ft		
Topsoil Replacement Volume	5,678	yd ³				

CELL 4	25-30ft deep				
<u>ITEM</u>	<u>VOLUMES</u>		<u>LENGTH</u>	<u>AREAS</u>	
Total Embankment	117,205.00	yd ³			
Clay Liner	66,240.00	yd ³			
Slope fill	50,965.00	yd ³			
Keyway Volume		yd ³			
Keyway Length			3903.28	ft	
Pit Floor Area				112,577.51	yd ²
Pit Floor Area				23.30	ac
Pit Floor Depth of Excavation			1.77	ft	
<u>ITEM</u>	<u>VOLUMES</u>		<u>LENGTH</u>	<u>AREAS</u>	
Topsoil / Revegetation Replacement Area				21,053.98	yd ²
Topsoil / Revegetation Replacement Area				4.36	ac
Topsoil Replacement Depth			0.5	ft	
Topsoil Replacement Volume	3,510	yd ³			

Cell 2A						
Embankment Fill	246,510	yd ³				
Compacted Clay Core (including key)	37,037	yd ³				
Pit Floor Area					138,479	yd ²
Pit Floor Area					26.6	ac
Pit Floor Depth of Excavation for Borrow Clay			0.74	ft		
Topsoil / Revegetation Replacement Area					108,613	yd ²
Topsoil / Revegetation Replacement Area					22.4	ac
Topsoil Replacement Depth			0.5	ft		
Topsoil Replacement Volume	18,106	yd ³				

Sincerely



Peter Wayland
President