

Dewey-Burdock Project
Large Scale Mine Permit Application
Revision Index

Responses to December 12, 2012 and March 1, 2013 Technical Review Comments

Volume	Page, Map or other Permit Entry to be Removed	Page, Map or other Permit Entry to be Added	Description of Change
1	p. i-xxiii	p. i-xxv	Update Table of Contents to accommodate replacement pages.
1	p. 5-3	p. 5-3	Technical comment GFP-2 - Update Table 5.0-2 to add USFWS and SDGF&P to regulatory primacy of ecology; add note #6.
1	p. 5-49, 50	p. 5-49, 50	Technical comment 1 - Added commitment to provide copies of well field hydrogeologic data packages and injection authorization data packages to DENR for information purposes; indicated that all well field packages will be provided to NRC for review and approval or verification.
1	p. 5-59	p. 5-59, 59a	Technical comment GFP-14 - Added Section 5.3.3.9, Approach to Well Field Development with Respect to Historical Exploration Holes.
1	p. 5-60	p. 5-60	Technical comment 12 - Added commitment to provide as-constructed pond drawings to DENR.
1	p. 5-71	p. 5-71, 71a	Technical comment 2 - Added commitment to provide copies of SOPs addressing pond leakage to DENR; discussed potential recurring water in a leak detection system. Technical comment 3 - Added commitment to notify DENR within 48 hours of the confirmation of a pond leak.
	p. 5-78, 78a	p. 5-78, 78a, 78b	Technical comment 2 (December) - Added references to new diversion designs, discussion of diversions around treated water storage ponds and surge ponds, and commitment to provide copies of grading and drainage plans addressing small drainage areas around ponds.
1	p. 5-83 through 83e	p. 5-83 through 83f	Technical comment 15 - Added reference to conceptual catchment area designs in Plates 5.4-1 and 5.4-2 and discussion of catchment area operation.
1	p. 5-85 through 87	p. 5-85 through 87	Technical comment 4 - Updated Tables 5.4-2 and 5.4-3 depicting estimated end-of-production groundwater quality and land application water quality; updated text to reflect the methods used to prepare the tables.
1	p. 5-110	p. 5-110	Technical comment 9 - Updated name of Section 5.5.4 to include other aspects of land application system monitoring besides effluent.
1	p. 5-112	p. 5-112 through 112b	Technical comment 9 - Added Sections 5.5.4.2 through 5.5.4.6 to address monitoring associated with land application systems, including catchment area water quality, soil/vegetation, livestock, prairie dogs, and groundwater/surface water. Technical comment 15 - Added Table 5.5-6 listing trigger values for catchment areas and commitment to dewater catchment areas if trigger values are exceeded. Technical comment GFP-3(a), (b) - Added discussion on prairie dog sampling.
1	p. 5-113, 113a	p. 5-113, 113a	Technical comment 9 - Added Table 5.5-7 listing trigger values for land application area soils.

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1	p. 5-114, 115	p. 5-114, 114a, 115	Technical comment 9 - Added discussion on livestock sampling associated with land application systems. Technical comment GFP-3(a), (b) - Added Section 5.5.9 discussing prairie dog sampling for potential bioaccumulation. Technical comment GFP-3(e) - Added commitment to analyze fish samples for selenium and to sample fish and macro-invertebrates in the unlikely event that a spill reaches Beaver Creek.
1	p. 5-119, 120	p. 5-119, 120	Technical comment 9 - Added further discussion on leaching methods to mitigate potential salinity impacts; added discussion on annual evaluation for potential saline seeps. Technical comment 4 - Updated the anticipated SAR range in land applied water.
1	p. 5-132	p. 5-132	Technical comment 4 (December) - Modified commitment to notify DENR within 48 hours of a verified excursion.
1	p. 5-155 through 160	p. 5-155 through 162	Technical comment 1 (December) - Added reference to Avian Monitoring and Mitigation Plan (Appendix 5.6-C) in Sections 5.6.11.1.5 and 5.6.11.1.11. Technical comment 6 - Added list of raptor species associated with raptor nests or potential nest sites to Section 5.6.11.1.5. Technical comment 7 - Added discussions of species tracked by SDNHP to Sections 5.6.11.1.4, 5.6.11.1.5 and 5.6.11.1.7 through 5.6.11.1.10. Technical comment 8 - Updated discussion on species tracked by SDNHP in Section 5.6.11.1.11. Technical comment GFP-9 - Updated discussion of bald eagle nests within proposed permit area in Section 5.6.11.1.11.
1	p. 5-161, 161a, 162	p. 5-162a through 162d	Technical comment 1 (December) - Added summary of Avian Monitoring and Mitigation Plan (Appendix C). Technical comment GFP-1(a) - Added description of facility pond fencing to exclude large and small mammals. Technical comment GFP-1(b), 3(c) - Added Table 5.6-2a listing trigger values for avian deterrent systems for treated water ponds. Technical comment GFP-11 - Added description of barbed wire perimeter fencing to permit big game passage.
1	p. 5-172	p. 5-172	Technical comment 11 - Added commitment to retain records of locations of all injection, production and monitor wells throughout the postclosure monitoring period.
1	p. 5-173	p. 5-173	Technical comment 9, GFP-3(b) - Updated annual environmental monitoring report to include results of all livestock and wildlife sampling.

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1	p. 5-175	p. 5-175, 175a	Technical comment 9, GFP-3(a) - Updated annual land application report to include all applicable monitoring results, evaluation of potential increasing trends and bioaccumulation, description of mitigation measures, and evaluation for potential saline seeps. Technical comment GFP-12 - Added annual wildlife report description. Technical comment GFP-13 - Added commitment to notify SDGF&P of any wildlife mortalities within 24 hours.
1	p. 7-2	p. 7-2	Added EPA reference on aquatic life criteria.
1	p. 7-5	p. 7-5	Added Raisbeck reference on livestock and wildlife quality criteria.
3	Plate 5.3-1 (Sheets 1,2)	Plate 5.3-1 (Sheets 1,2)	Technical comment 2 (December) - Updated diversions. Technical comment 13 - Updated topsoil stockpile location (Sheet 1). Technical comment 14 - Updated Dewey primary access road (Sheet 1).
3	Plate 5.3-2 (Sheet 1)	Plate 5.3-2 (Sheet 1)	Technical comment 2 (December) - Updated diversions; updated affected area boundary near Diversion 2 (Sheet 1). Technical comment 14 - Updated Dewey primary access road (Sheet 1).
3	Plate 5.3-5 (Sheet 1)	Plate 5.3-5 (Sheet 1)	Technical comment 14 - Updated Dewey primary access road (Sheet 1).
3a	---	Plate 5.3-17a	Technical comment 2 (December) - Updated diversion designs.
3a	---	Plate 5.3-17b	Technical comment 2 (December) - Updated diversion designs.
3a	---	Plate 5.3-18	Technical comment 2 (December) - Updated diversion designs.
3a	---	Plate 5.3-19	Technical comment 2 (December) - Updated diversion designs.
3a	---	Plate 5.4-1	Technical comment 15 - Updated conceptual catchment area designs.
3a	---	Plate 5.4-1	Technical comment 15 - Updated conceptual catchment area designs.
4	App. 1.0-B, p. 1.0-B-1,2	App. 1.0-B, p. 1.0-B-1,2	Technical comment 15, GFP-1(b) - Updated technical revision list to specify that trigger values as well as compliance limits may be modified by technical revision subject to DENR approval.
4	---	App. 3.2-D	Technical comment GFP-14 - Added 1989 letter from TVA to DENR regarding TVA historical exploration hole plugging.
6	App. 6.4-C, p. 6.4-C-1 through 4	App. 6.4-C, p. 6.4-C-1 through 4	Technical comment Ag-1 - Updated noxious weed control plan, including clarification that yearly inspections will be performed during the active growing season of weeds, herbicide application will be performed by a SD-licensed pesticide applicator and grazing/haying restrictions on herbicide labels will be followed. Technical comment Ag-2 - Updated Custer County noxious weed list. Technical comment Ag-3 - Updated SDSU Extension 2013 reference.
6	App. 6.4-D, p. 6.4-D-1,2	App. 6.4-D, p. 6.4-D-1,2	Technical comment 3 (December) - Updated Section 1.4, Sustainability of the Reclamation, to address SDCL 45-6B-39.