

## Eagle Project Permit Application Files

Listed below are the files that make up the Permit Application for the Eagle Project. These files will be updated as the DEQ review continues. There are two main files: the [Application](#) and the [EIA](#) (Environmental Impact Assessment). The other files are appendices of related, additional information. Click on the [blue](#) underlined text to access or download the file.

### Kennecott Eagle Minerals Company (KEMC) Response to Michigan Department of Environmental Quality (DEQ), Comments Dated June 21, 2006 on the Eagle Project Mining Permit Application

The original file it has been subdivided by the DEQ into four (4) separate Response Documents.

**[Response Document part 1 of 4](#)** (0.4 MB) which contains:

- Comment from the DEQ and corresponding Response form KEMC

**[Response Document part 2 of 4](#)** (3.7 MB) which contains:

- Attachment 1 - Eagle ARD Testing Program Samples for Phase I, Phase II (Geochemica)
- Attachment 2 - Updated Figures for Mine Permit Application
- Attachment 3 - Additional HELP Model Evaluating 24-hr 25-yr Rain Event
- Attachment 4 - TDRSA CQA Plan Construction Quality Assurance (CQ) Revised July, 2006
- Attachment 5 - EPG Pump Manufacturer Specifications

**[Response Document part 3 of 4](#)** (59.1 MB) which contains:

- Attachment 6 - North Jackson Company Technical Memorandum Dated July 2006

**[Response Document part 4 of 4](#)** (8.2 MB) which contains:

- Attachment 7 - Golder Associates, Ltd. Geotechnical Memorandum Dated July 7, 2006
- Attachment 8 - King & MacGregor Environmental, Inc. Technical Report on Kirtland's Warbler.

*Added October 27, 2006*

Environmental Impact Assessment, Volume 11, § 3.16.1, page 59, Figure 3-13 should be Figure 3-12. (received May 4, 2006)

**[Technical Memorandum 04 25 2006](#)** –

- 1) Clarification to RMR classification system and
- 2) Eagle crown and pillar discussion *posted 04 25 2006*

Communications about **["Administrative Completeness"](#)** *posted 03 13 2006*

<i>Click text to access</i>	<i>Size in bytes</i>	<i>To get information about (only main points are listed)</i>
<a href="#">Application</a> text	1,329,591	Mining Permit Application: Introduction, Project Location, Eagle Project Geology, Mining Plan, Treatment and Containment Plan for Mine Related Material, Operations Monitoring Plan, Reclamation Plan, Contingency Plan, Financial Assurance – Supplemental Financial Assurance 02/24/2006 – Receipt of payment made to State on 02/22/2006 was added 03/01/2006
<a href="#">Application</a> figures	34,128,896	57 Figures, maps and illustrations
<a href="#">Appendix A - C</a>	24,530,862	Mining Permit Application Forms and Checklist ; MDEQ Mining Permit Application; MDNR Land Use Application Form; MPA Checklist; Kennecott Organization Report ; Geologic and Geotechnical Reports for the Eagle Project; Geology of the Eagle Nickel-Copper Deposit; Eagle Project Geotechnical Study; Subsidence Analysis Report
<a href="#">Appendix D-1</a>	185,157,897	Phase I Eagle Project Geochemistry Study
<a href="#">Appendix D-2</a>	158,649,851	Phase II Eagle Project Geochemistry Study
<a href="#">Appendix D-3 – D-5</a>	399,201	TDRSA Water Chemistry; Mine Water Chemistry During Operations; Post-Reflooded Mine Water Chemistry
<a href="#">Appendix E-J</a>	16,015,658	Storm Water Design Calculations; HELP Model Analysis ; Geotechnical Calculations; TDRSA Stability Analysis;

<i>Click text to access</i>	<i>Size in bytes</i>	<i>To get information about (only main points are listed)</i>
		TDRSA Access Ramp Stability Analysis; Contact Water Collection System Calculations; Pump Capacity System Calculations; Pipe Strength Calculations; Geotextile Strength Calculations; TDRSA CQA Plan; NRCS Native Grass Planting Guide
<a href="#">EIA</a>	24,522,632	Environmental Impact Assessment (EIA): Introduction, Summary of Proposed Action, Environmental Assessment, Alternatives Evaluation
<a href="#">Appendix A-B4</a>	82,650,199	Environmental Baseline Summary ; Hydrogeology Reports; Comprehensive Summary of Hydrogeologic Reports ; Bedrock Hydrogeologic Investigation; Phase II Bedrock Hydrogeologic Investigation; Bedrock Groundwater Inflow Model
<a href="#">HydroGeo Figures</a>	7,884,254	Illustrations for Volume II A – Appendix B-2 ( <i>posted 03/24/2006</i> )
<a href="#">Appendix B5 a</a>	21,555,709	Baseline Hydrology Report 1 of 3
<a href="#">Appendix B5 b</a>	26,271,445	Baseline Hydrology Report 2 of 3
<a href="#">Appendix B5 c</a>	58,768,633	Baseline Hydrology Report 3 of 3
<a href="#">Appendix B6 – B10</a>	263,181,588	Wetland Hydrology Report; Predictive Assessment Model of Quaternary Alluvium Hydrogeology; Supplemental Hydrogeology Report for Groundwater Discharge Permit Application; Water Quality Data for Bioaccumulative Substances; Water Well Survey
<a href="#">Appendix C – G</a>	213,032,088	Surficial Geology; Wetland Studies; Wetland Delineation Report; Wetland Data Form Compilation; Ecology Studies; Wildlife Species Assessment; Wildlife Transects and Habitat Mapping Memo; Threatened and Endangered Species; Threatened and Endangered Species Report; Gentian Plant Survey Appendix G Aquatic Study; Baseline Aquatic Study; MDEQ Limnological Study of Streams in the Vicinity of the Eagle Project
<a href="#">Appendix H – I-1</a>	39,653,026	Archaeology; Phase I Archaeological Study; Memorandum on Archaeological Survey; Air Quality and Meteorology Studies; Air Quality and Meteorology Baseline Report
<a href="#">Appendix I-1 – I-4</a>	8,932,306	Wind Roses from Sawyer International Airport; Background Data on Airborne Ambient Concentrations of NOx, SOx and Metals; Screening Analysis for Michigan Toxic Air Contaminants
<a href="#">Text documents</a>		Groundwater Discharge Permit - text documents
<a href="#">Figures</a>		Groundwater Discharge Permit – figures and maps

Unless otherwise noted, all of the required Permit Application files were received on February 22, 2006 -- made ready for the web on February 23, 2006 -- and were publicly available on February 24, 2006.

These files have been compressed. To access them you will need file decompression or “unzip” software. There are many options available from various sources such as [www.download.com](http://www.download.com). You will also need Adobe Acrobat reader which is available for free from [www.adobe.com](http://www.adobe.com)