

# Environmental Management Plan 2007: Mine Site CSB Fugitives Reduction

**EMP Owner:** Mine Superintendent

**Objective:** Reduce releases of metal-bearing fugitives from the Mine CSB.

**Target:** Assess the previous testing of fugitive dust controls, develop a scoping study with opportunities to reduce fugitives with engineered plans including recommendations by the end of 2007.

**Scope:** Material handling and trucking equipment operate inside two separated sections of the Mine CSB. Loaders load concentrate haul trucks through a dump pocket in the CSB into the concentrate trucks which are located in a segregated portion of the building called the “drive through”. Loading equipment, bulldozers and excavators are also used in the concentrate storage area of the building occasionally to manage concentrate storage stockpiles. Feasibility with engineered plan designs to reduce spillage tracking out and emissions of the Mine CSB will be completed.

Implementation Tasks	
Tasks	Responsibility
1. Assess data from the testing done with dust collection controls of 2006 (by May 31/07).	Chief Engineer
2. Develop a scoping study to determine viable options for the reduction of emissions from the Mine CSB including spillage, tracking & air emissions (by Sept. 30/07).	Mine Superintendent /Chief Engineer
3. Submit recommendations for reduction of emissions from the Mine CSB by Dec. 31/07).	Mine Superintendent /Chief Engineer

Note: Timeframes for completion and tracking of the above referenced EMP tasks are established and maintained within the Environmental Management Information System (EMIS).

# Environmental Management Plan 2007:

## Dust Control on the Coarse Ore Stockpile

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**EMP Owner:** Mine Operating Superintendent

**Objective:** Reduce releases of metal-bearing fugitives

**Target:** Evaluate the economics of engineering fugitive dust control measures for the coarse ore stockpile, then design and procure for 2007

**Scope:** Mine Operations utilizes the COSP and can generate variable amounts of dust. The COSP is fully enclosed and it has been determined that engineered controls are required to manage dust. This EMP includes the procurement, construction schedule and commissioning of engineered controls to reduce dust from this source.

Implementation Tasks	
Tasks	Responsibility
4. Complete a cost estimate for the materials, construction and commissioning of the engineered controls for the dust control of the COSP (by Jan.31 <sup>st</sup> , 2007).	Chief Engineer
5. Draft and seek MER approval for capital for the equipment, construction and implementation of dust control equipment for the COSP (by Feb.28 <sup>th</sup> , 2007).	Mine Superintendent /Chief Engineer
6. Procure the equipment and materials to meet the first barge of the 2007 sealift.	Mine Superintendent /Chief Engineer
7. Develop a construction schedule for the construction and installation of dust control equipment (by March 31 <sup>st</sup> , 2007)	Chief Engineer
8. Initiate construction of engineered dust control equipment for in the COSP (by July 18 <sup>th</sup> , 2007).	Chief Engineer
9. Commission new engineered controls for the COSP (by Sept. 15 <sup>th</sup> , 2007).	Chief Engineer

Note: Timeframes for completion and tracking of the above referenced EMP tasks are established and maintained within the Environmental Management Information System (EMIS).

# Environmental Management Plan 2007:

## Reduce releases of metal-bearing fugitives

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**EMP Owner:** Mine Operations, Superintendent

**Objective:** Reduce Releases of Metal-Bearing Fugitives

**Target:** Evaluate fugitive dust control measures for the mine haul roads, mine dumps, tailings pond beaches and ore stockpile areas.

**Scope:** This EMP is designed to evaluate the measures that could be implemented for the reduction and release of fugitive dust in this area of the operation and provide a schedule to implement all dust control measures.

Implementation Tasks	
Tasks	Responsibility
10. Evaluate options for dust control measures for mine haul roads, mine dumps, tailings beaches and ore stockpiles (by Mar 31/07).	Tom Farr/ Norman Paley/ Mine Superintendent /Chief Engineer
11. Short list dust control measure options (by April 30/07).	Tom Farr/Norman Paley/ Mine Superintendent /Chief Engineer
12. Select a minimum of two of the areas to implement dust control measures by(May 15/07).	Mine Superintendent /Chief Engineer
13. Develop schedule and plan for implementation of dust control measures (by May 15/07).	Mine Eng. / Sr. Planning Eng.
14. Procure materials required for dust control measures, providing they do not require Engineered controls (by May 31/07, to meet the 1 <sup>st</sup> 2007 scheduled barge).	Mine Eng. / Sr. Planning Eng.
15. Implement dust control measures (by July 31/07).	Mine Eng. / Sr. Planning Eng.
16. Provide schedule and implementation of remaining dust control measures (by Dec 31/07).	Mine Eng. / Sr. Planning Eng.

Note: Timeframes for completion and tracking of the above referenced EMP tasks are established and maintained within the Environmental Management Information System (EMIS).