

SUMMARY OF COMMENTS/RECOMMENDATIONS

PROPONENT: Building Products & Concrete Supply
PROPOSAL NAME: Concrete Batch Plant
CLASS OF DEVELOPMENT: 1
TYPE OF DEVELOPMENT: Manufacturing Plant
CLIENT FILE NO.: 5350.00

OVERVIEW:

On May 23, 2008, Manitoba Conservation received a Proposal for the operation of a portable concrete batch plant at locations throughout Manitoba. The facility will produce concrete for use in construction projects. The facility will operate Monday to Saturday between sunrise and sunset, up to 15 hours per day. There are particulate matter and noise emissions associated with the production of concrete.

The Department, on June 17, 2008, placed copies of the Proposal in the Public Registries located at 123 Main St. (Union Station) Main Floor, Winnipeg; the Millennium Public Library, 4th Floor, 251 Donald Street, Winnipeg; and the Manitoba Eco-Network, 3rd Floor, 303 Portage Ave., Winnipeg. Copies of the Proposal were also provided to the Technical Advisory Committee (TAC) members. A notice of the Environment Act proposal was also placed in the Winnipeg Free Press on June 21, 2008. The newspaper and TAC notifications invited responses until July 18, 2008.

COMMENTS FROM THE PUBLIC:

No public responses were received.

Disposition:

No action needed.

COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE:

Canadian Environmental Assessment Agency

Advised that the application of the *Canadian Environmental Assessment Act* will not be required.

Disposition:

No action needed.

Environment Canada

The following is a summary of comments provided:

- Portable or mobile concrete plants can emit significant amounts of fine and coarse particulates and gaseous emissions. Particulate matter less than 2.5 microns in size (PM_{2.5}) has been declared toxic under CEPA because of human health and environmental concerns.
- The project description indicates a possible use of fly ash as supplementary cementing materials.
- The concrete manufacturing process releases the following substances declared toxic under the Canadian Environmental Protection Act, 1999 (CEPA): PM10, sulphur oxides, nitrogen oxides, volatile organic compounds, and ground level ozone.
- EC has concerns regarding these types of operations, and refers the proponent to the Canada-wide Standards for Particulate Matter (PM) and Ozone that was developed by the CCME to address the industrial sector where emission reduction strategies for PM were developed.
- EC acknowledges the proponent's use of cartridge dust collectors as emission control measures.
- EC recommends that the proponent be required to implement the Best Available Techniques (BAT) as outlined in Section 4.2 of the "*Multi-pollutant Emission Reduction Analysis Foundation (MERAF) for the Hot-Mix Asphalt Sector (September 2002)*" This report is available at www.ccme.ca/assets/pdf/hot_mix_asphalt_final_merap_e.pdf
- The proponent should also be aware that portable concrete batch plants are required to report under National Pollutant Release Inventory.

Disposition

Clauses 9 to 24 of the Draft Environment Act Licence address concerns related to air emissions.

Health Canada

No concerns.

Disposition

No action required.

Manitoba Water Stewardship

The following comments were provided:

1. *The Water Rights Act* indicates that no person shall control water or construct, establish or maintain any “water control works” unless he or she holds a valid licence to do so. “Water control works” are defined as any dyke, dam, surface or subsurface drain, drainage, improved natural waterway, canal, tunnel, bridge, culvert borehole or contrivance for carrying or conducting water, that temporarily or permanently alters or may alter the flow or level of water, including but not limited to water in a water body, by any means, including drainage, OR changes or may change the location or direction of flow of water, including but not limited to water in a water body, by any means, including drainage. If the proposal in question advocates any of these activities, application for a Water Rights Licence to Construct Water Control Works is required.
2. During construction of the development, erosion and sediment control measures should be implemented until all of the sites have stabilized.
3. For a site requiring the use of a self-supplied water source, the proponent is directed to contact Manitoba Water Stewardship’s Water Use Licensing Section to determine if their water use needs requires licensing under *The Water Rights Act*.
4. The proponent refers to a designated washout area for rinsing chutes. The applicant should identify potential contaminants in the wastewater from the washout area, describe the planned treatment and/or filtration of the wastewater, and specify where this water will be released.
5. Furthermore, the Department recommends that an *Environment Act* Licence include the following requirements:
 - Prior to discharging potentially contaminated spills, process water, wastewater and/or wash water off-site and/or to the environment, the proponent is required to perform the following:
 - Conduct toxicological testing of the effluent;
 - Provide a discharge location to the Water Quality Management Section;
 - Provide an estimate of the discharge volume to the Water Quality Management Section; and
 - Obtain approval to discharge from the Water Quality Management Section.
 - Develop and implement an Emergency Response Plan, including the accidental release of substances (chemicals).

Disposition

Clause 27 of the draft Environment Act Licence prohibits the discharge of wastewater and clause 28 requires an emergency response plan.

Manitoba Conservation – Sustainable Resource & Policy Management Branch

No concerns.

Disposition

No action required.

Manitoba Conservation – Parks and Natural Areas Branch

No concerns.

Disposition

No action required.

Manitoba Infrastructure and Transportation

The following comment was provided:

1. We note that the Manitoba Heavy Construction Association Best Environmental and Safety Management Practices for Ready Mix Concrete Facilities has been attached to the proposal submitted. In our opinion, by following these management practices, the project as proposed should not result in unacceptable environmental consequences.

Disposition

No action required.

Manitoba Conservation – Environmental Services

The following comments were provided:

1. Section 7 of the Storage and Handling of Petroleum Products and Allied Products Regulation pursuant to *The Dangerous Goods Handling and Transportation Act* requires written approval from the Director or an environment officer for on-site fuelling at a remote location.
2. The current location of the plant is not owned by Miller Environmental, but is leased by Miller Environmental from the Manitoba Hazardous Waste Management Corporation (MHWMC). Under the terms and conditions of the lease agreement, Miller

Environmental may need approval from the MHWMC Board for this use of the leased property.

Disposition

These comments were forwarded to the proponent for information. No further action with respect to the Environmental Assessment and Licensing process is required.

Manitoba Culture, Heritage and Tourism – Historic Resources Branch

The following comment was provided:

1. No concerns related to the proposal. If at any time however, significant heritage resources are recorded in association with these lands during development, the Historic Resources Branch may require that an acceptable heritage resource management strategy be implemented by the developer to mitigate the effects of development on the heritage resources.

Disposition:

No action required.

Manitoba Agriculture, Food and Rural Initiatives

No concerns.

Disposition

No action required.

Manitoba Science, Technology, Energy & Mines

No concerns.

Disposition

No action required.

PUBLIC HEARING:

A public hearing is not recommended.

RECOMMENDATION:

The Proponent should be issued a Licence for the operation of a concrete batch plant in accordance with the specifications, terms and conditions of the attached draft Licence. Enforcement of the Licence should be retained by the Environmental Assessment and Licencing Branch until January 1, 2010 at which time it should be assigned to Regional Operations.

A draft environment act licence is attached for the Director's consideration.

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