

## SUMMARY OF COMMENTS/RECOMMENDATIONS

**PROPONENT:** RAKOWSKI CARTAGE and WRECKING LTD.  
**PROPOSAL NAME:** Construction & Demolition Waste Recycling Facility  
**CLASS OF DEVELOPMENT:** One  
**TYPE OF DEVELOPMENT:** Bulk Materials Handling (recycling)  
**CLIENT FILE NO.:** 4605.00

### OVERVIEW:

On January 16, 2001, the Department received a Proposal from Rakowski Cartage and Wrecking Ltd. to develop and operate a construction and demolition waste recycling facility.

On February 19, 2001 the Department placed copies of the Proposal in the Public Registries located at 123 Main St. (Union Station), the Centennial Public Library, and the Manitoba Eco-Network. As well on February 19, 2001 copies of the Proposal were provided to the Technical Advisory Committee (TAC) members. The Department placed a public notification of the Proposal in the Winnipeg Free Press on February 24, 2001. The newspaper and TAC notification invited responses until March 19, 2001.

### COMMENTS FROM THE PUBLIC:

There were no concerns received from the public.

The Rural Municipality of Springfield responded by sending the department a copy of a resolution requesting that the department ensure that the licence requires:- “measures be implemented to regulate emissions of noise and dust, the height of stockpiled material, the disposal of non-recyclable wastes and the maintenance of on site drainage.”

#### Disposition:

The resolution comments were forwarded to the Proponent and the response was as follows:-

A meeting has been requested by the proponent with the municipality to answer any questions or concerns they may have.

### COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE:

**Rural Development** - Noted that there were no planning concerns. It was also noted that the site lies within the former Additional Zone Policy Area and is designated Areas of Limited Urban Expansion by the Greater Winnipeg Development Plan (Plan Winnipeg) Bylaw 2960/81. It is zoned Heavy Industrial in the Springfield Planning Scheme 1959, which permits “any manufacturing or industrial use.” The proposed bulk materials handling facility is considered a permitted use in this zone.

**Natural Resources Policy Co-ordination Branch** - No concerns.

**Natural Resources Petroleum and Energy Branch** - No concerns.

**Historic Resources** - No concerns.

**Environment-Air Quality Management** had the following comments:-

1. The dust collection system to control the dust created by the concrete crushing operation should be installed for start-up and not delayed until 2002. Under the Canada-Wide Standard for particulate matter, emphasis is placed on controlling the dust from industrial operations. Information and specifications on the dust collection system also need to be provided.
2. No process information is provided, for example, on:
  - quantities of materials that could be handled and stored on the site;
  - number of trucks (*e.g.*, maximum daily, annual) that will be arriving at the site and how this compares with the existing traffic in the area;
  - the quantity of concrete that could be crushed by the equipment at any one time;
  - the final size of the crushed concrete product.
3. A site diagram showing the location and layout of the equipment, storage piles, and the roads should be provided. Will the roads on the site be gravel or paved? How will dust from traffic on the roads be controlled?

**Disposition:**

These comments were forwarded to the Proponent and the response was as follows:-

1. The dust collection system is an Alpha Blower System Model # 9F3196P3. This addition is quite extensive and requires a complete shut down of the crusher operation. It is proposed to install the dust collection system in the off season of winter 2001-02 and it will be completely ready for the spring of 2002. To reduce any problems with dust this season spray bars and water will be used.

The Alpha Blower system has a 14 inch intake and collects dust in a cyclone. The dust collected in the cyclone is a saleable product and can be mixed with aggregate. This system is said to be very effective and will help to eliminate any dust problems.

2. In the year 2000, approximately 1000 loads of concrete were delivered for processing. This was all crushed and resold as aggregate, approximately 500 loads of aggregate. This averages to 30 trucks per week. The quantity in these loads varies as some are trailers, some are dump trucks and some are half tons. (sidewalks and patios from homeowners.)

Very little stockpiling occurs as the material is crushed and then sold as quickly as it comes in. Some stockpiling naturally occurs as trucks are dumping, the material is prepared and processed. There will be 3 piles of material, one of raw material, one of prepared material and one of aggregate. These piles will be in constant fluctuation as the material is being processed. The average size of any one pile is 20 feet high and 150 feet in diameter. To date there has been a good demand for the finished aggregate and there has been no reason to stockpile. We cannot keep up with the demand and have to turn people away for lack of material.

The crusher with the dust collector attached is capable of crushing 80-100 tons an hour. It produces a clean 4 inch and down aggregate free of all contaminants such as metals. This product is used as backfill and roadbase. All steel products are removed using a magnet and shipped to metal recyclers for processing.

Other demolition debris such as roofing material asphalt and wood can be crushed using this system.

3. The St. Clement dump has used this crushed material as cover in the winter to prevent garbage from being blown around. This has been very successful and cost effective. To date, demolition debris from job sites has been going to the City of Winnipeg Landfill.

A Site Diagram has been provided. The roads within the compound are all finished with crushed concrete. The surrounding roads (Springfield and Redonda) are packed gravel. The site is being surrounded by an 8 foot fence. Trees have been planted that will help protect the road from dust.

This response was acceptable to Environment-Air Quality Management

**Environment-Operations Division, Winnipeg Region** had the following comments:-

- Zoning: This should be available from the RM of Springfield.
- Are materials other than concrete to be crushed, either now or in the future. (for example asphalt, demolition debris, plastics, wood, roofing waste etc.) If so, this may need to be reflected in the Licence issued for this operation.
- It is stated that wood is to be taken to the local dump. There is currently no waste disposal ground in the RM of Springfield. Where is the local dump that is referred to located?
- Should we specify a maximum time or volume of material that will be allowed to be stored on site (with reference to processed/non-processed and type of material).
- As mentioned in my comments previously, dust, noise, runoff, as well as perhaps screening of the operation from neighbours should be dealt with in the Licence to be issued.

- Proposed solutions for dust concerns such as no crushing on windy days or watering down the site may not be sufficient to adequately reduce dust emissions to an acceptable level.
- It is stated that dust control equipment is to be installed in 2002. When in 2002? To what level do they propose to control the dust level during operations. I have seen no plans or specifications for this equipment. Where is recovered dust to be disposed of? As stated previously, allowable dust levels should be reflected in the licence issued.

Disposition:

These comments were forwarded to the Proponent and the response was as follows:-

It is not intended to use this area as a storage ground for concrete debris. We are concerned with producing a viable, reliable product. Storage may occur during the winter months when crushing may not be possible due to inclement weather.

Watering down the concrete during crushing has helped control dust in the past. This does however slow down the crushing process, which is why a more efficient system is being looked into. Crushing has been stopped on windy days when the dust is carried towards residential areas. Neighbours have been satisfied with this.

This response was acceptable to Environment-Operations Division, Winnipeg Region.

**Canadian Environmental Assessment Agency** commented that application of the Canadian Environmental Assessment Act with respect to this proposal will not be required.

**COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE** (On the draft Licence distributed to TAC on May 4, 2001.):

**Environment-Operations Division, Winnipeg Region** had the following comments:-

- Clause 5 should include the option of recycling as well as disposal.
- Clause 18 should refer to maximum height and diameters for the stockpiles, rather than averages.

Disposition:

The comments were discussed with the Proponent and changes were incorporated into the draft Licence.

**PUBLIC HEARING:**

A public hearing is not required.

**RECOMMENDATION:**

The Proponent should be issued a Licence, in accordance with the attached draft, to operate the bulk materials handling development. Enforcement of the Licence should be assigned to the Winnipeg Region.

**PREPARED BY:**

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