

Analysis of Brownfield Cleanup Alternatives for the XXXX Project Name of Municipality

Wisconsin Ready for Reuse Program

This Analysis of Brownfield Cleanup Alternatives is provided to outline three (or more) alternatives evaluated during the cleanup and planning processes for the XXXX Project. Environmental investigation activities were implemented by XXX in YEAR. Alternative cleanup and environmental management activities considered for the site consisted of the following:

1. Alternative One – No Action
2. Alternative Two – Description
3. Alternative Three – Description
4. ?

Site History/Comprehensive Plan

Use the site investigation report to summarize the environmental contamination in easily understandable terms. Include a summary of relevant environmental standards and other risks such as unsafe buildings.

Solid Waste Management

Recognize: All solid wastes generated at the Site, including contaminated soil and other solid wastes generated during response actions associated with this grant/loan, will be disposed of properly at either a ch. 289, Stats., licensed landfill or in a manner consistent with the applicable provisions of ch. NR 718, Wis. Admin. Code. In limited situations, some solid wastes managed under this Agreement may be eligible for a low hazard exemption under ch. 289, Stats. In order for the response action costs associated with a low-hazard exemption activity to be eligible for reimbursement under this Agreement, the grant/loan recipient will need to receive written, pre-approval of such response actions and costs from the Department's Brownfields and Outreach Section Chief, the RR Project Manager and the Solid Waste program.

Note: Final approval of proposed disposal option – on or off-site - will be in writing and authorized as a component of the Remedial Action Plan (RAP) approval, by the Department's Brownfields and Outreach Section Chief. This Department-written approval of the disposal location is required in advance of any disposal actions taking place. The Department reserves the right to deny payment of transportation and disposal costs if such written approval is not obtained prior to those costs being incurred.

Analysis of Alternatives

Directions: The remedial action alternatives should be briefly presented using the following three factors for each of the alternatives. Discuss the relevant portions of these criteria:

(1) Effectiveness

- a. The degree to which the toxicity, mobility and volume of the contamination is expected to be reduced.
- b. The degree to which a remedial action option, if implemented, will protect public health, safety and welfare and the environment over time.
- c. Taking into account any adverse impacts on public health, safety and welfare and the environment that may be posed during the construction and implementation period until case closure under ch. NR 726.

(2) Implementability

- a. The technical feasibility of constructing and implementing the remedial action option at the site or facility.

- b. *The availability of materials, equipment, technologies and services needed to conduct the remedial action option.*
- c. *The administrative feasibility of the remedial action option, including activities and time needed to obtain any necessary licenses, permits or approvals; the presence of any federal or state, threatened or endangered species; and the technical feasibility of recycling, treatment, engineering controls, disposal or naturally occurring biodegradation; and the expected time frame needed to achieve the necessary restoration*

(3) *Cost*

- a. *The following types of costs are generally associated with the remedial action options.*
- b. *Capital costs, including both direct and indirect costs; b. Initial costs, including design and testing costs.*
- c. *Annual operation and maintenance costs.*

Alternative 1 – No Action

No action; the city does not address the health and environmental problems on the XXX property.

- 1. Effectiveness
- 2. Implementability
- 3. Cost

Alternative 2 – Description

Describe the action

- 1. Effectiveness
- 2. Implementability
- 3. Cost

Alternative 3 – Description

Describe the action

- 1. Effectiveness
- 2. Implementability
- 3. Cost

Recommendation

Summarize which alternative is recommended, and why.

Decision document

A decision document will be issued at the close of the 30-day public comment period by the WDNR with additional details on the selected alternative.