

DEPARTMENT OF ENVIRONMENTAL QUALITY  
Permitting and Compliance Division  
Air and Waste Management Bureau  
P.O. Box 200901, Helena, Montana 59620-0901  
(406) 444-3490

FINAL ENVIRONMENTAL ASSESSMENT (EA)

Issued For: City of Bozeman Sanitary Landfill  
35 North Bozeman Avenue  
Carnegie Building, P.O. Box 640  
Bozeman, MT 59771

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**OCT 02 1998**

**ENVIRONMENTAL  
QUALITY COUNCIL**

Permit Number: 2951-01

Preliminary Determination on Permit Issued: September 14, 1998  
Department Decision Issued: September 30, 1998

Montana Environmental Policy Act (MEPA) Compliance: An environmental assessment, required by MEPA, was completed for this project as follows.

Legal Description: SE¼ and SW¼, Section 30, Township 1 South, Range 6 East, Gallatin County, Montana.

Description of Project: Bozeman proposes to correct the flare inlet concentration limitations for ethyl chloride, toluene, and styrene.

Benefits and Purpose of Proposal: This permit alteration will correctly identify the flare inlet concentration limitations for ethyl chloride, toluene, and styrene. This will allow Bozeman and the department to verify compliance with the appropriate emission limitation.

Description and analysis of reasonable alternatives whenever alternatives are reasonably available and prudent to consider: The department has reviewed a Best Available Control Technology (BACT) analysis as part of this permitting action. The BACT analysis can be found in Section III of the permit analysis.

A listing and appropriate evaluation of mitigation, stipulations and other controls enforceable by the agency or another government agency: A listing of the enforceable permit conditions and a permit analysis is contained in permit #2951-01.

Description and analysis of regulatory impacts on private property rights: The department has considered alternatives to the conditions imposed in this permit as part of the permit development. The department has determined that the permit conditions are reasonably necessary to ensure compliance with applicable requirements and demonstrate compliance with those requirements and do not unduly restrict private property rights.

### Potential Impact on Physical Environment

		Major	Moderate	Minor	None	Unknown	Comments
1	Terrestrial and Aquatic Life and Habitats			X			yes
2	Water Quality, Quantity and Distribution				X		yes
3	Geology and Soil Quality, Stability and Moisture				X		yes
4	Vegetation Cover, Quantity and Quality				X		yes
5	Aesthetics				X		yes
6	Air Quality			X			yes
7	Unique Endangered, Fragile or Limited Environmental Resource				X		yes
8	Demands on Environmental Resource of Water, Air and Energy			X			yes
9	Historical and Archaeological Sites				X		yes
10	Cumulative and Secondary Impacts			X			yes

### Potential Impact on Human Environment

		Major	Moderate	Minor	None	Unknown	Comments
1	Social Structures and Mores				X		yes
2	Cultural Uniqueness and Diversity				X		yes
3	Local and State Tax Base and Tax Revenue				X		yes
4	Agricultural or Industrial Production				X		yes
5	Human Health			X			yes
6	Access to and Quality of Recreational and Wilderness Activities				X		yes
7	Quantity and Distribution of Employment				X		yes
8	Distribution of Population				X		yes
9	Demands for Government Services				X		yes
10	Industrial and Commercial Activity				X		yes
11	Locally Adopted Environmental Plans and Goals				X		yes
12	Cumulative and Secondary Impacts			X			yes

## Potential Impact on Physical Environment

1. There may be impacts to terrestrial and aquatic life and habitats from the increase in allowable emissions. However, any impacts will be minor because this permit only allows a small increase in permitted emissions. In addition, the permit analysis demonstrates that there will be no more than a negligible risk to human health and the environment from this facility.
2. There will be no additional impacts on the water quality, quantity, and/or distribution as a result of this permitting action.
3. There will be no additional impacts to the geology and soil quality, stability and moisture as a result of this permitting action.
4. There will be no additional impacts to the vegetation cover, quantity, and quality as a result of this permitting action.
5. There will be no additional impacts to the aesthetics of the area from this permitting action.
6. There may be impacts to the air quality of the area from the increase in allowable emissions. However, any impacts will be minor because this permit only allows a small increase in permitted emissions. In addition, the permit analysis demonstrates that this facility is expected to operate in compliance with all applicable rules and standards.
7. There will be no additional impacts to any unique endangered, fragile, or limited environmental resource as a result of this permitting action.
8. There may be an increase in the demand on air resources as a result of the increase in allowable emissions. However, any impact would be minor because of the small increase in permitted allowable emissions.

There will not be an increase in the demand on water and energy resources as a result of this permitting action.

9. There will be no additional impacts to historical and archeological sites as a result of this permitting action.
10. There may be cumulative and secondary impacts from the increase in allowable emissions. However, any impacts should be minor because this permit only allows a small increase in permitted emissions. In addition, the permit requires that all emissions be controlled with a high efficiency flare. This will limit the air quality impact from the entire operation.

## Potential Impact on Human Environment

1. There will be no impact to any social structure or mores as a result of this permitting action.
2. There will be no impact to the cultural uniqueness and diversity as a result of this permitting action.
3. There will be no impact to the local and state tax base and tax revenue as a result of this permitting action.
4. There will be no impact to the agricultural and industrial production as a result of this permitting action.
5. The permit analysis demonstrates that there will be no more than a negligible risk to human health and the environment from this facility.
6. There will be no impact to the access to and quality of recreational and wilderness activities as a result of this permitting action.
7. There will be no impact to the quantity and distribution of employment as a result of this permitting action.
8. There will be no impact to the distribution of population as a result of this permitting action.
9. There will be no impact on the demand for government services as a result of this permitting action.
10. There will be no impact to the industrial and commercial activity as a result of this permitting action.
11. There will be no impact to the locally adopted environmental plans and goals as a result of this permitting action.
12. There may be cumulative and secondary impacts from the increase in allowable emissions. However, any impacts should be minor because this permit only allows a small increase in permitted emissions. In addition, the permit requires that all emissions be controlled with a high efficiency flare. This will limit the air quality impact from the entire operation.

Recommendation: An EIS is not required.

If an EIS is not required, explain why the EA is an appropriate level of analysis: The source is applying the Best Available Control Technology; the analysis indicates compliance with all applicable air quality rules and regulations. The emissions and associated ambient impacts will be minimal and the source will pose a negligible risk to public health and the environment.

Other groups or agencies contacted or which may have overlapping jurisdiction: None

Individuals or groups contributing to this EA: Department of Environmental Quality - Permitting and Compliance Division.

EA prepared by: David Klemp

Date: September 10, 1998