

Montana Department of Natural Resources and Conservation
Water Resources Division
Water Rights Bureau

ENVIRONMENTAL ASSESSMENT
For Routine Actions with Limited Environmental Impact

Note: Instructions to DNRC staff for preparing this EA can be found at:
http://www.dnrc.state.mt.us/eis_ea.html

Part I. Proposed Action Description

Applicant/Contact name and address:

DMC INC.
2055 N 22ND AVE
BOZEMAN, MT 59718

1. *Type of action:* APPLICATION FOR BENNEFICIAL WATER USE PERMIT #30002969-41H
1. *Water source name:* GROUNDWATER
2. *Location affected by project:* SESESE SEC. 2 T2S R5E GALLATIN CO.
3. *Narrative summary of the proposed project, purpose, action to be taken, and benefits:* THE APPLICANT HAS DRILLED A WELL TO SUPPLY .50 ACRES OF TURF WITH IRRIGATION.
4. *Agencies consulted during preparation of the Environmental Assessment: (include agencies with overlapping jurisdiction)*
MTSHPO
MT NATURAL HERRITAGE PROGRAM

Part II. Environmental Review

1. Environmental Impact Checklist:

PHYSICAL ENVIRONMENT

WATER QUANTITY, QUALITY AND DISTRIBUTION

Water quantity - Assess whether the source of supply is identified as a chronically or periodically dewatered stream by DFWP. Assess whether the proposed use will worsen the already dewatered condition.

Determination: SEE BELOW AS TO GROUNDWATER

Water quality - *Assess whether the stream is listed as water quality impaired or threatened by DEQ, and whether the proposed project will affect water quality.*

Determination: SEE BELOW AS TO GROUNDWATER

Groundwater - *Assess if the proposed project impacts ground water quality or supply. If this is a groundwater appropriation, assess if it could impact adjacent surface water flows.*

Determination: A PUMP TEST HAS SHOWN WATER AVAILABILITY AND THE WATER QUALITY IS ADEQUATE FOR LAWN USE.

DIVERSION WORKS - *Assess whether the means of diversion, construction and operation of the appropriation works of the proposed project will impact any of the following: channel impacts, flow modifications, barriers, riparian areas, dams, well construction.*

Determination: AN 80' WELL TO SUPPLY 33 GPM SHOULD BE ADEQUATE FOR THE PROJECT.

UNIQUE, ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCES

Endangered and threatened species - *Assess whether the proposed project will impact any threatened or endangered fish, wildlife, plants or aquatic species or any "species of special concern," or create a barrier to the migration or movement of fish or wildlife. For groundwater, assess whether the proposed project, including impacts on adjacent surface flows, would impact any threatened or endangered species or "species of special concern."*

Determination: NO IMPACTS IDENTIFIED

Wetlands - *Consult and assess whether the apparent wetland is a functional wetland (according to COE definitions), and whether the wetland resource would be impacted.*

Determination: NO IMPACTS IDENTIFIED

Ponds - *For ponds, consult and assess whether existing wildlife, waterfowl, or fisheries resources would be impacted.*

Determination: NO IMPACTS IDENTIFIED

GEOLOGY/SOIL QUALITY, STABILITY AND MOISTURE - *Assess whether there will be degradation of soil quality, alteration of soil stability, or moisture content. Assess whether the soils are heavy in salts that could cause saline seep.*

Determination: NO IMPACTS IDENTIFIED

VEGETATION COVER, QUANTITY AND QUALITY/NOXIOUS WEEDS - *Assess impacts to existing vegetative cover. Assess whether the proposed project would result in the establishment or spread of noxious weeds.*

Determination: NO IMPACTS IDENTIFIED

AIR QUALITY - *Assess whether there will be a deterioration of air quality or adverse effects on vegetation due to increased air pollutants.*

Determination: NO IMPACTS IDENTIFIED

HISTORICAL AND ARCHEOLOGICAL SITES - *Assess whether there will be degradation of unique archeological or historical sites in the vicinity of the proposed project.*

Determination: NO IMPACTS IDENTIFIED

DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AND ENERGY - *Assess any other impacts on environmental resources of land, water and energy not already addressed.*

Determination: NO IMPACTS IDENTIFIED

HUMAN ENVIRONMENT

LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS - *Assess whether the proposed project is inconsistent with any locally adopted environmental plans and goals.*

Determination: NO IMPACTS IDENTIFIED

ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES - *Assess whether the proposed project will impact access to or the quality of recreational and wilderness activities.*

Determination: NO IMPACTS IDENTIFIED

HUMAN HEALTH - *Assess whether the proposed project impacts on human health.*

Determination: NO IMPACTS IDENTIFIED

PRIVATE PROPERTY - Assess whether there are any government regulatory impacts on private property rights.

Yes___ No___ If yes, analyze any alternatives considered that could reduce, minimize, or eliminate the regulation of private property rights.

Determination: NO IMPACTS IDENTIFIED

OTHER HUMAN ENVIRONMENTAL ISSUES - For routine actions of limited environmental impact, the following may be addressed in a checklist fashion.

Impacts on:

(a) Cultural uniqueness and diversity? **NO IMPACTS IDENTIFIED**

(b) Local and state tax base and tax revenues? **NO IMPACTS IDENTIFIED**

(c) Existing land uses? **NO IMPACTS IDENTIFIED**

(d) Quantity and distribution of employment? **NO IMPACTS IDENTIFIED**

(e) Distribution and density of population and housing? **NO IMPACTS IDENTIFIED**

(f) Demands for government services? **NO IMPACTS IDENTIFIED**

(g) Industrial and commercial activity? **NO IMPACTS IDENTIFIED**

(h) (h) Utilities? **NO IMPACTS IDENTIFIED**

(i) Transportation? NO IMPACTS IDENTIFIED

(j) Safety? NO IMPACTS IDENTIFIED

(k) (k) Other appropriate social and economic circumstances?

2. ***Secondary and cumulative impacts on the physical environment and human population:***

Secondary Impacts MAY FURTHER LOWER THE POTENTIOMETRIC SURFACE

Cumulative Impacts MAY HELP "FARM OUT" THE POLLUTANTS IN THE SOLVENT SITE.

3. **Describe any mitigation/stipulation measures:** NONE IDENTIFIED
4. **Description and analysis of reasonable alternatives to the proposed action, including the no action alternative, if an alternative is reasonably available and prudent to consider:** **NO ACTION:** THE APPLICANT COULD USE CITY WATER.

PART III. Conclusion

1. **Preferred Alternative** THE APPLICANT COULD USE CITY WATER, HOWEVER BY EXTRACTING THE PROPOSED USAGE MAY HELP THE CANTAMINATED AQUIFER.

2 **Comments and Responses** *NONE*

3. **3. Finding:**

Yes___ No___ Based on the significance criteria evaluated in this EA, is an EIS required?

If an EIS is not required, explain why the EA is the appropriate level of analysis for this proposed action: AN EA IS ADEQUATE FOR THIS PROJECT

Name of person(s) responsible for preparation of EA:

Name: PORTER DASSENKO

Title: WRS

Date: 5/4/2004