

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
WATER RESOURCES DIVISION
WATER RIGHTS BUREAU
ENVIRONMENTAL ASSESSMENT

PART I. PROPOSED ACTION DESCRIPTION

1. **Type of action:** Water use permit application no. 43Q-P094859
Water right change application no.
Petition or Other Action:

2. **Applicant/Contact name and address:** Quarnburg Farming Corp
6132 S Frontage Rd
Billings MT 59101

3. **Water source name:** Hogans Slough

4. **Location affected by action:** NENESW Sec 18, TWP 1 South, RGE 26 East YE

5. **Narrative summary of the proposed project and action to be taken:** This application is for taking water from Hogan's Slough by means of a headgate for irrigation on approximately 100 acres of turf grass. The place of use is irrigated from the Canyon Creek ditch during the major part of the year, so this use is to supplement the ditch company water when the ditch company water is not on in the early spring and late fall.

6. **Agencies consulted during preparation of the environmental assessment:**
None

PART II. ENVIRONMENTAL REVIEW

1. Environmental Impact Checklist:

PHYSICAL ENVIRONMENT

Soils/Geologic Features:

Degradation of soil quality or alteration of soil stability, moisture content, geologic substructure, unique geologic features, archeological sites?

NO

Erosion:

Alteration of erosion or siltation patterns which modify stream beds or lake shores?

NO

Vegetation/Noxious weeds:

Change in or adverse affect on diversity and production of local plant species including any unique or endangered species (including trees, shrubs, grass, and aquatic plants)? Establishment or spread of noxious weeds?

NO

Air:

Deterioration of air quality, or adverse effects on vegetation due to increased air pollutants.

NO

Water:

Alteration of surface water or groundwater quality including but not limited to temperature, dissolved oxygen or turbidity or quantity or distribution?

NO

Floodplain:

Changes in drainage patterns, course or magnitude of flood flows, or exposure of people/property to hazards (flood)?

NO

Wildlife Habitat/Migration:

Deterioration of critical fish or wildlife habitat? Creation of a barrier to the migration or movement of fish or wildlife?

NO

Endangered Species:

Adverse effects on any unique or endangered species?

NO

HUMAN ENVIRONMENT

Existing Land Use:

Alteration of or interference with the productivity or profitability of the existing land use of an area?

NO

Historical Significance:

Destruction or alteration of a natural area of scientific or educational value or prehistoric or paleontological importance?

NO

Populace:

Alteration of the location, distribution, density, or growth rate of the human population of an area? Alteration of social structure of community?

NO

Transportation:

Increased traffic hazards or effects on existing transportation facilities or patterns of movement of people and goods?

NO

Safety:

Creation of any health hazard or affect on existing emergency response or evacuation plans?

NO

Public Services:

Have an effect upon or result in a need for new or altered governmental services in any of the following areas: fire or police protection, schools, parks/recreational facilities, roads or other public maintenance, water supply, sewer or septic systems, solid waste disposal, health, or other governmental services? Have an effect upon local or state tax base?

NO

Utilities:

Creates need for new or altered facilities for any of the following utilities: electric power, natural gas, other fuel supply or distribution systems, or communications?

NO

Aesthetics:

Alteration of any scenic vista or recreation opportunity or creation of an aesthetically offensive site to the public?

NO

Other:

NO

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2. **Secondary and cumulative impacts:** None
 3. **Reasonable alternatives to the proposed action, including the no action alternative:** None

PART III. CONCLUSION

Based on the significance criteria evaluated in this EA, is an EIS required? No

If an EIS is not required, explain why the EA is the appropriate level of analysis for this proposed action:

This proposed use is on lands previously irrigated and there will be no significant adverse environmental affects.

PREPARED BY:

NAME: Marty Van Cleave
TITLE: Water Resources Socialist
DATE: March 25, 1996