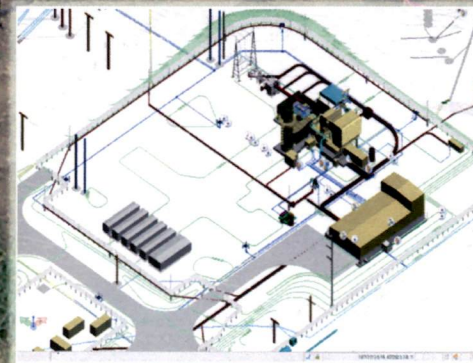
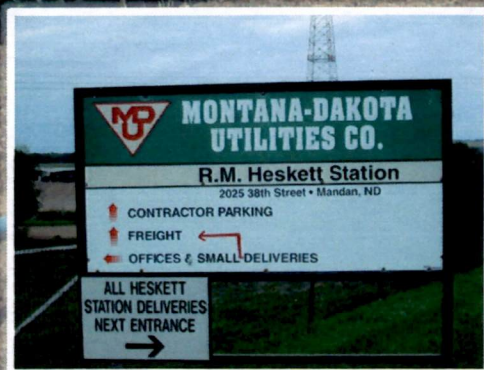


# Heskett Station Natural Gas Pipeline Project

North Dakota Public Service Commission Hearing  
May 3, 2013 - Bismarck, ND

Presented By:  
Dave Hennen  
Director of Environmental Services

**ProSource**  
TECHNOLOGIES



29

PU-11-680  
Exhibit 8

Filed: 5/3/2013

Pages: 13

# Heskett Station Natural Gas Pipeline Project

## Overview

- Surveys
- Permits
- Exclusion Areas
- Avoidance Areas
- Selection Criteria

# Heskett Station Natural Gas Pipeline Project

## Surveys (400 foot wide corridor)

- Wetland Delineation
- Biological Resources Survey
- Cultural Resource Survey



# Heskett Station Natural Gas Pipeline Project

## Permits

Agency	Permit
Public Service Commission	Pipeline Corridor Certification and Route Permit
U.S. Army Corps of Engineers	Wetland Permit -Nationwide Permit 12
U.S. Bureau of Reclamation – Western Area Power Admin.	Utility Occupancy Permit
U.S. Fish and Wildlife Service	Threatened and Endangered Species – Environmental Review Consultation
Federal Highway Administration, Department of Transportation	FHWA Concurrence
North Dakota Game and Fish Department	Threatened and Endangered Species – Environmental Review Consultation
North Dakota Department of Health	NDPDES General Permit for Stormwater Discharges
North Dakota Department of Health	NDPDES Temporary Dewatering/ Hydrostatic Testing Permit

# Heskett Station Natural Gas Pipeline Project

## Permits

Agency	Permit
North Dakota Department of Health	CWA Water Quality Certification
North Dakota Department of Transportation	Utility Occupancy Permit
State Historical Society of North Dakota	Section 106 Clearance
North Dakota State Water Commission	Sovereign Lands Permits
North Dakota State Water Commission	Water Appropriation Permit/Temporary Water Permit
Morton County	Utility Occupancy Application
City of Mandan	Work within Public Right-of- Way
City of Mandan	Building Permit
Burlington Northern Santa Fe Railroad	Application for Pipeline Crossing

# Heskett Station Natural Gas Pipeline Project

## Exclusion Area

Exclusion Area	Crossed by Pipeline	Within 1 Mile Corridor	Comment
<u>E.1.</u> Designated or Registered National Parks	No	No	The nearest listed National Park is the Theodore Roosevelt National Park which is approximately 130 miles west of Mandan, North Dakota.
<u>E.2.</u> Designated or Registered National Memorial Parks	No	No	There are no listed designated or registered National Memorial Parks in North Dakota. The nearest listed National Memorial Park, Mount Rushmore, is located in South Dakota.
<u>E.3.</u> Designated or Registered National Historic Sites and Landmarks	No	No	The nearest listed National Historic Site is the Knife River Indian Villages, which is approximately 40 miles northeast of Mandan, North Dakota.
<u>E.4.</u> Designated or Registered National Natural Landmarks	No	No	The nearest listed National Natural Landmark is Sibley Lake, which is over 50 miles northeast of Mandan.
<u>E.5.</u> Designated or Registered National Monuments	No	No	There are no listed designated or registered National Monuments in North Dakota. The nearest listed National Monuments are Devil's Tower in Wyoming and Jewel Cave in South Dakota. Both monuments are approximately 250 miles away.
<u>E.6.</u> Designated or Registered National Wilderness Areas	No	No	The nearest listed officially designated wilderness area is the Chase Lake Wilderness, which is located approximately 65 miles northeast of Mandan, North Dakota.
<u>E.7.</u> Designated or Registered State Parks	No	No	The nearest listed State Park is Fort Abraham Lincoln State Park which is located over 6 miles east and south of the proposed route.

# Heskett Station Natural Gas Pipeline Project

## Exclusion Area

<b>E.8. Designated or Registered State Historic Sites</b>	No	No	The nearest listed historic site is Camp Hancock which is located over six miles south and east of the proposed route.
<b>E.9. Designated or Registered State Monuments</b>	No	No	The nearest State Monuments are associated with the State Capitol Grounds, which are located over five miles southeast of the proposed route.
<b>E.10. Designated or Registered State Historical Markers</b>	No	No	The nearest listed historic marker, Steamboat Warehouse, is located over four miles southeast of the proposed route.
<b>E.11. Designated or Registered State Archaeological Sites</b>	No	Yes	A Class I file search at the State Historical Society of North Dakota (SHSND) revealed that a variety of cultural resources which were on file were within a one mile radius of the proposed route. None of the recorded sites will be impacted by the Project.
<b>E.12. Designated or Registered State Nature Preserves</b>	No	No	The nearest listed State Nature Preserves and Natural Area is the Missouri River Natural Area which is located over two miles south of the proposed 88 MW SCCT Heskett Station and the terminus of the proposed pipeline.
<b>E.13. County Parks and Recreational Areas</b>	No	Yes	The Heskett Power Plant Public Fishing Stairway, a county park, is located within the 1-mile wide study corridor.

# Heskett Station Natural Gas Pipeline Project

## Exclusion Area

<b>E.14. Municipal Parks</b>	No	Yes	Roughrider Park, which is administered by the City of Mandan, is located within the 1-mile wide study corridor.
<b>E.15. Parks Owned or Administered by Other Governmental Subdivisions</b>	No	No	No parks owned or administered by other governmental subdivisions were listed within the proposed route corridor or along the proposed pipeline route.
<b>E.16. Areas Critical to the Life Stages of Threatened or Endangered Animal or Plant Species</b>	No	No	No areas critical to the life stages of threatened or endangered animal or plant species were identified within the Project corridor.
<b>E.17. Areas Where Animal or Plant Species That Are Unique or Rare To North Dakota Would Be Irreversibly Damaged</b>	No	Yes	One significant ecological community (mixed <i>Shepherdia argenta</i> shrubland and <i>Symphoricarpos occidentalis</i> shrubland) was identified within the study area. While one significant ecological community area is present within the one-mile corridor, this area will not be crossed by the pipeline.

# Heskett Station Natural Gas Pipeline Project

## Avoidance Area

Avoidance Area	Crossed by Pipeline	Within 1 Mile Corridor	Comment
<u>A.1.</u> Designated or Registered National Historic Districts	No	No	Mandan Commercial Historic District and the State Training School Historic District are both located in Mandan, North Dakota and over three miles away from the proposed Project corridor.
<u>A.2.</u> Designated or Registered National Wildlife Areas	No	No	The nearest officially designated wilderness area is the Chase Lake Wilderness, which is located approximately 65 miles northeast of Mandan, North Dakota.
<u>A.3.</u> Designated or Registered National Wild, Scenic, or Recreational Rivers	No	No	There are no National Wild, Scenic, or Recreational Rivers listed within North Dakota.
<u>A.4.</u> Designated or Registered National Wildlife Refuges	No	No	The nearest National Wildlife Refuge is the Long Lake National Wildlife Refuge, which is more than 30 miles southeast of Mandan, North Dakota.
<u>A.5.</u> Designated or Registered National Grasslands	No	No	The nearest National Grassland is the Cedar River National Grassland, located approximately 70 miles southwest of Mandan, North Dakota.
<u>A.6.</u> Designated or Registered State Historic Districts	No	No	Mandan Commercial Historic District and the State Training School Historic District are both located in Mandan, North Dakota and over three miles away from the proposed Project corridor.
<u>A.7.</u> Designated or Registered State Wild, Scenic, or Recreational Rivers	No	No	The Little Missouri River, North Dakota's only designated State Scenic River, is located over 100 miles west of Mandan, North Dakota.

# Heskett Station Natural Gas Pipeline Project

## Avoidance Area

<b>A.8. Designated or Registered State Game Refuges</b>	No	No	No listed designated or registered state game refuges were identified within the proposed Project corridor.
<b>A.9. Designated or Registered State Game Management Areas</b>	No	No	The nearest listed designated or registered State Game Refuge is the Morton County Wildlife Management Area, which is located approximately 4 miles east of the proposed route in Section 27, Township 137 North, Range 81 West.
<b>A.10. Designated or Registered State Management Areas</b>	No	No	The nearest designated or registered state management area is Private Land Open to Sportsmen (PLOTS), which is located in Section 32, Township 137 North, Range 82 West, which is approximately 1.7 miles west of the interconnection with the Northern Border Pipeline system.
<b>A.11. Designated or Registered State Forests</b>	No	No	The nearest State Forest is the Mouse River State Forest, which is over 120 miles northeast of Mandan, North Dakota.
<b>A.12. Designated or Registered State Forest Management Lands</b>	No	No	No listed designated or registered state forest management lands were identified within the proposed Project corridor.
<b>A.13. Designated or Registered State Grasslands</b>	No	No	No listed designated or registered state grasslands were identified within the proposed Project corridor.
<b>A.14. Historical Resources Which Are Not Specifically Designated as Exclusion or Avoidance Areas</b>	No	Yes	A Class III cultural resources inventory of the Project area was completed and cultural resources were found and recorded. None of the newly discovered sites will be impacted by the Project.

# Heskett Station Natural Gas Pipeline Project

## Avoidance Area

<p><b>A.15. Areas Which Are Geologically Unstable</b></p>	<p>No</p>	<p>No</p>	<p>Geologically unstable areas are typically associated with areas that experience landslides, sinkholes, and earthquakes. While the Mandan – Bismarck area has experienced earthquakes, no listed geologically unstable areas were identified in the Project corridor.</p>
<p><b>A.16. Within Five Hundred Feet of a Residence, School, or Place of Business</b></p>	<p>No</p>	<p>Yes</p>	<p>There are 23 residences and two businesses within 500 feet of proposed pipeline. Montana-Dakota will seek waivers from landowners, in accordance with Section 49-22-05.1 of the NDCC and Chapter 69-06-08-02(2)(e) of the NDAC, that have occupied residences within 500 feet of the proposed Pipeline.</p>
<p><b>A.17. Reservoirs and Municipal Water Supplies</b></p>	<p>No</p>	<p>Yes</p>	<p>The Missouri River, which is the municipal water supply for the City of Mandan, is located within the 1-mile wide study corridor.</p>
<p><b>A.18. Water Sources for Organized Rural Water Districts</b></p>	<p>No</p>	<p>Yes</p>	<p>The proposed corridor passes through the boundaries of the Missouri West Water System, the Missouri River, and near the Mandan Water Treatment Plant. This rural water district obtains its water from the City of Mandan, which provides treated surface water drawn from the Missouri River.</p>
<p><b>A.19. Areas of Recreational Significance Which Are Not Designated as Exclusion Areas</b></p>	<p>No</p>	<p>No</p>	<p>There are no other areas of recreational significance within one mile of the proposed Project corridor.</p>

# Heskett Station Natural Gas Pipeline Project

## Selection Criteria

Selection Criteria Table		
Impact on Agriculture	Potentially Impacted?	Comments
<u>S.1.</u> Agricultural Production	Limited	This is a linear Project of minimal width and impact and installed through agreed upon easements. Disturbed areas will be restored after installation.
<u>S.2.</u> Family Farm and Ranches	Limited	This is a linear Project of minimal width and impact and installed through agreed upon easements. Disturbed areas will be restored after installation.
<u>S.3.</u> Land Economically Suitable for Irrigation	No	This is a linear Project of minimal width and impact and installed through agreed upon easements.
<u>S.4.</u> Surface Drainage Patterns	No	Disturbed areas will be restored after installation.
<u>S.5.</u> Groundwater Flow Patterns	No	Disturbed areas will be restored after installation.

# Heskett Station Natural Gas Pipeline Project

## Selection Criteria

Impact Upon Non-Agricultural Uses	Potentially Impacted?	Comments
<u>S.6.</u> Noise-Sensitive Land Uses	Limited	Temporary construction noise. No noise with long-term operation of underground installation.
<u>S.7.</u> The Visual Effect on the Adjacent Areas	Limited	Installation is underground with limited aboveground structures.
<u>S.8.</u> Extractive and Storage Resources	Limited	Sand and gravel resources exist within the Project corridor.
<u>S.9.</u> Wetland	Limited	Wetland delineations were conducted in the summer 2012 to assist with route planning and preliminary engineering. A total of 26 sites were identified. Temporary impacts may occur to some of these sites. A detailed description of the sites and mitigation measures are discussed in Section S.9.
<u>S.10.</u> Woodlands and Wooded Areas	Limited	Installation and restoration methods designed to minimize disturbances to sensitive areas.
<u>S.11.</u> Radio and Television Reception, and Other Communication or Electronic Control Facilities	No	Installation is underground with manually operated maintenance procedures.
<u>S.12.</u> Human Health and Safety	No	Installation is underground with safety technology installed with scheduled, periodic maintenance and testing.
<u>S.13.</u> Animal Health and Safety	No	Construction is temporary and installation is underground.
<u>S.14.</u> Plant Life	Yes	Temporary disturbances with restoration and revegetation.