



Tesoro Logistics GP, LLC
19100 Ridgewood Parkway
San Antonio, TX 78259
210 626 6000

June 23, 2014

Mr. Darrell Nitschke
Executive Director
North Dakota Public Service Commission
600 E. Boulevard Avenue, Dept. 408
Bismarck, NO 58505-0480



RE: Tesoro High Plains Pipeline Company, LLC
Certification Letter for Bakken Area Storage Hub (BASH) Phase II,
Williams County, ND

Dear Sir:

In accordance with North Dakota Century Code 49-22-03(3) (2009), this letter is to notify the North Dakota Public Service Commission (Commission) that Tesoro High Plains Pipeline Company, LLC (THPP) intends to install one (1) 240,000 barrel (net) storage tanks and pipeline to storage tank interconnects on a site located within the existing parcel of land owned by Tesoro in Township 156 North, Range 95 West of Section 32 in Williams County, North Dakota. (See attached Drawing No. 103638- Facility Map - 1). The proposed site is adjacent to a previously certified site within the same property boundary. The siting exclusion certification number for the adjacent site is: PU-13-224

The Bakken Area Storage Hub (BASH) Facility has an existing THPP crude oil pipeline crossing through the site (see attached Drawing No. 103638 – Facility Map - 1). This existing crude oil pipeline is a part of the THPP System, which has been in service since the 1950s. As such, the existing THPP pre-dates North Dakota's Siting Act and thereby proposed project qualifies for construction within the 350 ft. limit from the center line of the existing pipeline through the Certification Process, N.D.C.C. 49-22-03(3)(a) (2009).

Tesoro certifies that this construction project will be restricted to 350 ft. of either side of the existing crude oil pipeline. Tesoro also certifies that the proposed project is within the current facility boundaries and has no impact on residences, schools or businesses located within 500 feet of the facilities to be constructed. Tesoro intends to begin earthwork and installation of concrete foundations for these new facilities in August 2014.

Also, Tesoro certifies that the construction of these storage facilities will not affect any known exclusion or avoidance areas, as defined in North Dakota Administrative Code 69-06-08-02 (2009). Please refer to the enclosed "New Ramberg (Now known as Bakken Area Storage Hub (BASH)) Environmental Report" document prepared by KC Harvey Environmental, LLC dated May 2013. Additionally, Tesoro certifies that it will perform all work on this construction project within the rules and regulations of other agencies that have jurisdiction.

Upon your request Tesoro is willing to have a pre-construction conference regarding this project. Plans currently call for construction activities to begin in August 2014.

Your attention to this matter is greatly appreciated. I can be reached at 406-628-5202 for any questions or further information that may be needed.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Rick Weyen". The signature is stylized and cursive.

Rick Weyen,
Vice President
Tesoro Logistics GP LLC

Attachments:

1. New Ramberg (Now Known as Bakken Area Storage Hub (BASH)) Environmental Report, Williams County North Dakota
2. Class III Inventory of 40 Acres for the Proposed New Ramberg Station (Now Known as Bakken Area Storage Hub (BASH)) Project, Williams County North Dakota (Class III SHPO Report)
3. Certification Affidavit by Tesoro Vice-President

Cc: Brian Bjella, Attorney, Crowley Fleck PLLP, Bismarck, ND
Richard Healy, Wood Group Mustang, Inc., Birmingham, AL
Divyang Surati, Wood Group Mustang, Inc., Houston, TX

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF NORTH DAKOTA**

TESORO HIGH PLAINS PIPELINE

CASE NO. PU-_____

**CERTIFICATION OF APPLICANT PURSUANT TO NORTH DAKOTA CENTURY
CODE § 49-22-03(3)**

The undersigned, a duly authorized agent of Tesoro High Plains Pipeline (“Tesoro”), having authority to act on behalf of and by Tesoro, does hereby certify under oath:

1. That Tesoro owns and operates a pipeline located in the NW1/4 of Township 156 North, Range 95 West, Section 32 in Williams County, North Dakota.
2. That the pipeline has been in service since the 1950s, thus being prior to adoption of the siting act on April 9, 1975, codified at NDCC Chapter 49-22.
3. That Tesoro proposes to construct the following described facilities within 350 feet of either side of the centerline of its existing pipeline, thus utilizing the certification process as provided for in NDCC § 49-22-03(3)(a).
4. That the Bakken Area Storage Hub (BASH) consists of one (3) 120,000 barrel (net) storage tanks, multiple pumps and pipeline to storage tank interconnects for transportation of crude oil to multiple destinations via Tesoro’s existing pipeline system.
5. This certification of site compatibility is intended to seek authorization for an additional one (1) 240,000 barrel (net) storage tanks, and pipeline to storage tank interconnects that is proposed within 350 feet of the either side of the centerline of Tesoro’s existing pipeline. The proposed site is adjacent to a previously certified site within the same property boundary. The siting exclusion certification number for the adjacent site is : PU-13-224.
6. That attached hereto and made a part hereof is the *New Ramberg Station Environmental Report* (Environmental Report), prepared for Tesoro by KC Harvey Environmental, LLC. The project was known as New Ramberg Station when the environmental report was prepared by the KC Harvey Environmental, LLC. The project name has been changed to BASH thereafter. The area covered in the Environmental Report represents the BASH project area.
7. That attached hereto and made a part hereof is the *Class III Inventory of 40 Acres for the Proposed New Ramberg Station Project, Williams County North Dakota* (Class III SHPO Report), prepared for Tesoro by Ethnoscience, Inc. The project was known as *New Ramberg Station* when the Class III Inventory report was prepared by Ethnoscience, Inc.

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF NORTH
DAKOTA

TESORO HIGH PLAINS PIPELINE

CASE NO. PU-_____

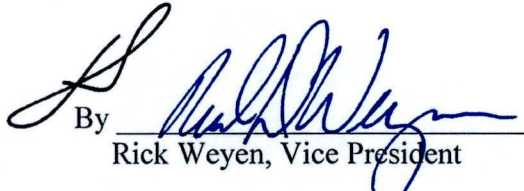
CERTIFICATION OF APPLICANT PURSUANT TO NORTH DAKOTA CENTURY
CODE § 49-22-03(3)

The project name has been changed to BASH thereafter. The area covered in the
Inventory Report represents the BASH project area.

8. That the *Environmental Report* and *Class III SHPO Report* indicates there are no
exclusion or avoidance areas which would be impacted by the proposed construction.
 9. That Tesoro will comply with all applicable conditions and protections in siting laws and
rules and Commission orders previously issued for any part of the facility.
-


Dated this 23rd day of May, 2014

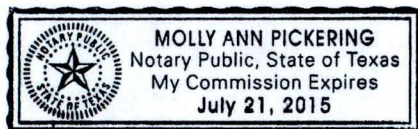
TESORO HIGH PLAINS PIPELINE

By 
Rick Weyen, Vice President

STATE OF TEXAS §
 §
COUNTY OF BEXAR §

Subscribed and sworn to before me this 23RD day of May, 2014.


Notary Public, State of Texas



**NEW RAMBERG STATION
ENVIRONMENTAL REPORT**

Tesoro High Plains Pipeline

KC HARVEY
ENVIRONMENTAL, LLC

New Ramberg Station Environmental Report

Prepared for:

**Wood Group Mustang, Inc.
410 17th Street, Suite 1260
Denver, Colorado 80202**

Prepared by:

**KC Harvey Environmental, LLC
376 Gallatin Park Drive
Bozeman, MT 59715**

May 7, 2013

Table of Contents

1.0	Introduction	2
2.0	Location	2
3.0	Agency Consultations	4
3.1.1	United States Fish and Wildlife Services (USFWS).....	4
3.1.2	United States Army Corps of Engineers (USACE)	4
3.1.3	North Dakota Game and Fish Department (NDGF)	4
3.1.4	North Dakota Parks and Recreation (NDPR)	5
3.1.5	North Dakota Department of Health (NDDH).....	5
4.0	Biological Resources	5
4.1	Wetlands	5
4.2	Water Resources	6
4.3	Raptors, Migratory Birds, and Wildlife	8
4.4	Threatened and Endangered Species	8
4.5	Soils	9
4.6	Vegetation	9
4.7	Land Cover and Land Uses	9
5.0	Exclusion and Avoidance Conclusions	12
5.1	Exclusion Areas	12
5.2	Avoidance Areas	13
5.3	Selection Criteria	15
5.4	Agricultural Production	15
5.5	Visual Effects	15
5.6	Wetlands	15
5.7	Human Health Safety	16
5.8	Vegetation	16
6.0	Qualifications of Persons Contributing to the Study.....	16
7.0	References	16
8.0	Appendix A: Correspondence with Federal and State Agencies	18
9.0	Appendix B: US Army Corps of Engineers Wetland Assessment Forms.....	19

List of Tables and Figures

Figure 1. Proposed Tesoro New Ramberg Station project location..... 3
Figure 2. Wetland delineation field data points, drainage boundaries and water resources..... 7
Figure 3. USDA surveyed soils at the proposed project location..... 10
Figure 4. Land cover observed in and around the proposed project area..... 11
Table 1. Exclusion Area criteria for the proposed project area and surrounding study area..... 12
Table 2. Avoidance Area criteria for the proposed project area and surrounding study area..... 13
Figure 5. Avoidance Areas at the proposed project location..... 14
Table 3. Selection Criteria and potential impacts from the proposed project..... 15

1.0 Introduction

KC Harvey Environmental, LLC (KC Harvey) prepared this environmental report of the proposed project: Tesoro High Plains Pipeline (Tesoro) New Ramberg Station (NR Station). This report was completed to provide information for Tesoro's Application for Certification of Site Compatibility to the North Dakota Public Service Commission (NDPSC). We contacted agencies, reviewed available geographic records and databases, and completed a field site assessment pertinent to all environmental subjects in the application. The site assessment included identification of wetlands, wildlife and raptors, soils, vegetation, and land uses on and within a two-mile area around the project location.

Prior to the field assessment, KC Harvey conducted agency contacts and data reviews related to wildlife, soil, geology, vegetation and water resources. This also included identification of NDPSC identified exclusion and avoidance areas for these resources. Federal and state Agencies were consulted to identify environmental and biological resources in or within the vicinity of the project area. A field assessment was completed on April 25, 2013. The study area included the proposed property boundary and a surrounding two mile buffer in all directions.

2.0 Location

The proposed New Ramberg Station location is on the eastside of 104th Avenue NW and is accessed off an unnamed road north of 60th Street NW (Figure 1). The legal description is the NW1/4 of township 156 north, Range 95 west, section 32.

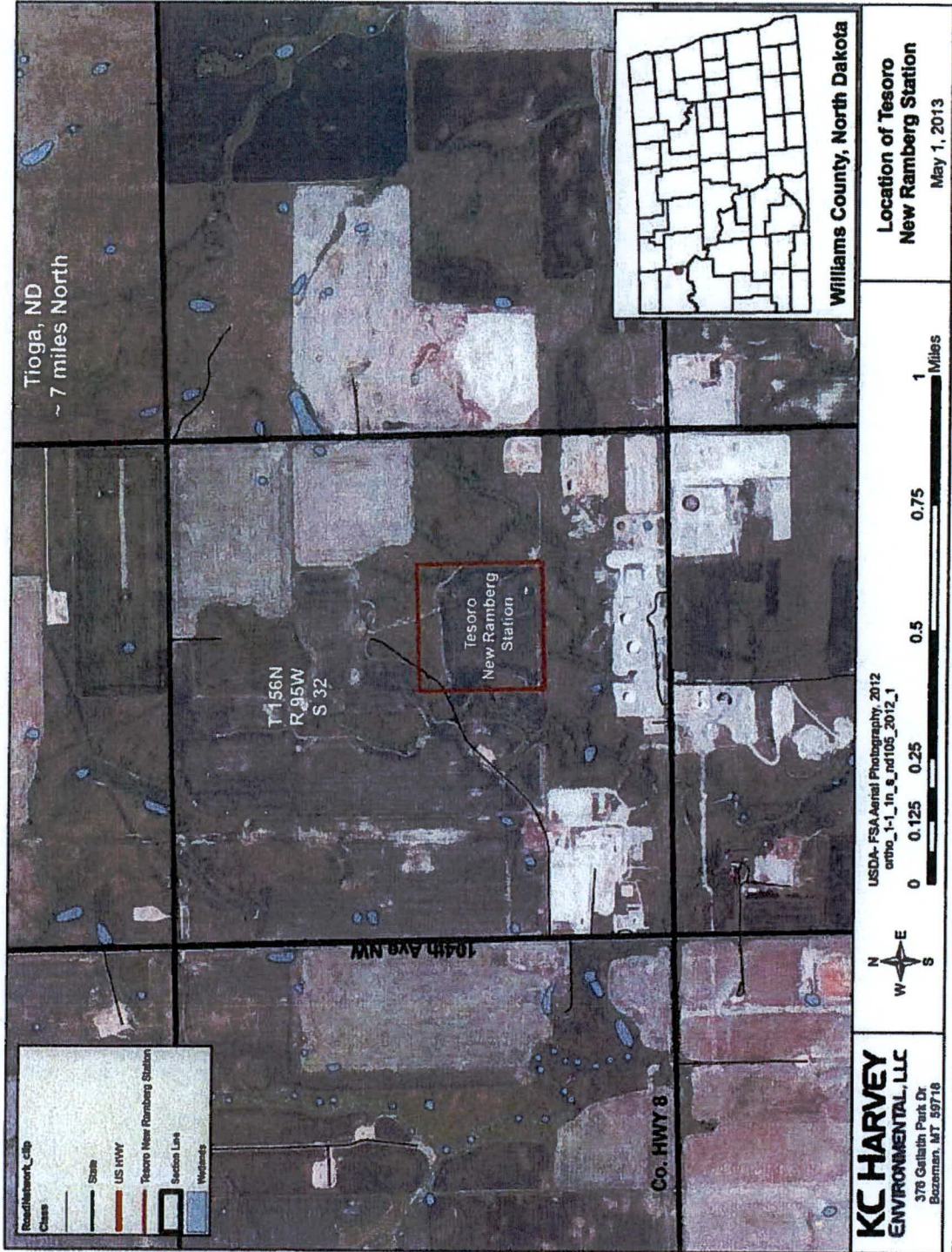


Figure 1. Proposed Tesoro New Ramberg Station project location.

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3.0 Agency Consultations

Letters regarding wildlife-related topics were sent to Federal and state Agencies in March 2013. A request for agency data and comments related to the proposed project was initiated through formal letters. These include the United States Fish and Wildlife Service's North Dakota Ecological Services Office (USFWS), the North Dakota Game and Fish Department (NDGF), and the North Dakota Parks and Recreation Department (NDPR).

The North Dakota Department of Health's Division of Water Quality (NDDH) and the United States Army Corps of Engineers (USACE) were formally contacted in April 2013 for information on wetland and water resources.

The sections below summarize the data and comments received from these Agencies.

3.1.1 United States Fish and Wildlife Services (USFWS)

The USFWS was contacted March 27, 2013 via letter and email. The correspondence sought data and comments related to the Endangered Species Act (ESA), the Migratory Bird Treaty Act (MBTA), the Bald and Golden Eagle Protection Act (BGEPA), and other resources of concern existing in or near the project area. The reply letter stamped April 26, 2013 states that the project as described will have no significant impact on fish and wildlife resources. Furthermore, no endangered or threatened species are known to occupy the project area.

A copy of the correspondence with the USFWS is included in Appendix A.

3.1.2 United States Army Corps of Engineers (USACE)

KC Harvey notified the USACE of the project location in April 2013 and that a site assessment and wetland delineation would be completed if any wetlands were found on the site. KC Harvey also noted that if any wetlands were located, project construction would avoid these areas and no impacts to wetlands are anticipated.

Daniel Cimarosti, the State Program Manager from the USACE North Dakota Regulatory Office responded April 17, 2013. The response acknowledged the project and requested submittal of a wetland permit application if wetland impacts are unavoidable.

The site assessment found no wetlands on the property. KC Harvey will notify the USACE of the site assessment completion, provide them the wetland delineation data forms, and indicate that no Jurisdictional Determination is needed.

A copy of the correspondence with the USACE is in Appendix A.

3.1.3 North Dakota Game and Fish Department (NDGF)

The NDGF March 27, 2013 letter requested data and comments on Conservation Priority Species, easements, and other resources of concern existing in or near the project area. John Schumacher, Resource Biologist from the NDGF responded via phone and email, stating the

Agency “does not believe they (the proposed project) will have any significant adverse effects on wildlife or wildlife habitat based on the information provided.”

A copy of the correspondence with the NDGF is included in Appendix A.

3.1.4 North Dakota Parks and Recreation (NDPR)

KC Harvey contacted the NDPR on March 28, 2013 via letter and email. The correspondence requested data and comments on NDPR Natural Heritage Inventory occurrences, Natural Areas Registry resources, nature reserves, or other Department interests in or near the project area. The NDPR has not responded concerning the proposed project.

A copy of the correspondence letter sent to the NDPR is included in Appendix A.

3.1.5 North Dakota Department of Health (NDDH)

The NDDH was contacted in April 2013 to determine the presence of protected water resources, wellhead protection areas, or any public water supply resources present within or near the project location. Mr. Dennis Fewless, Director of the NDDH Division of Water Quality responded to our inquiry with a letter dated April 10, 2013. The letter stated the “proposed site is not located over a named groundwater aquifer or within a wellhead protection area.” The NDDH stated that the proposed project operations would not likely impact drinking water sources. The NDDH requires a National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharge related to Construction Activities for any disturbance over one acre.

A copy of the correspondence with the NDDH is included in Appendix A.

4.0 Biological Resources

The following sections describe the results and findings of the data analyses, agency correspondence, and field assessment. KC Harvey completed the field site assessment on April 25, 2013 for wetlands, wildlife and raptors, soils, vegetation, land cover, and land uses.

4.1 Wetlands

Prior to the site assessment, a review of topographic maps, satellite imagery, and the National Wetland Inventory (NWI) identified potential wetlands and surface water on the property. All identified aquatic resources were documented according to their resource type (*e.g.* wetland, streams). In addition, all features that potentially hold or convey water were determined to be either ephemeral or perennial water sources.

KC Harvey used the following US Army Corps of Engineers (USACE) methods to determine if the aquatic resources met the USACE definition of a wetland.

- USACE Wetland Delineation Manual (USACE 1987)
- USACE Regional Supplement for the Great Plains Region (USACE 2010)
- USACE National Wetland Plant List (USACE 2012)

As part of the wetland delineations, wetland determination data forms were completed in paired locations with one in a potential wetland location and one in an upland location (Appendix B).

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Sample points were GPS located (Figure 2). Vegetation, hydrology and soils were assessed for wetland characteristics, and photographs documented each sample site, soil profile and soil pit.

No wetlands were delineated within the project boundary. USACE wetland delineation data sheets are provided in Appendix A. The site has ephemeral drainages that accumulate and move water (Figure 2). Water was present and flowing during the April survey following a snow event. However, wetland plants and soils were absent from the 'wetland' sample sites. These areas do not meet the USACE definition of a wetland. The vegetation community was a continuation of upland vegetation into the drainage. The water flowing in the drainage bottom is ephemeral spring runoff. The absence of any obligate or facultative wetland plant species indicates the seasonal hydrology is short-term.

Despite the lack of wetland criteria, these drainages will be avoided by construction. No dredge or fill materials will be placed in the drainages. National Pollutant Discharge Elimination System permit erosion control best management practices (BMP) will be implemented during construction. Buffers around the drainage areas are provided in Figure 2. This buffer is part of the BMPs to minimize soil erosion on the slopes and the sedimentation of surface water in the drainage.

4.2 Water Resources

The project area lies within the Lake Sakakawea Watershed (HUC: 10110101), which is part of the Missouri- Little Missouri Subregion and the greater Missouri Region. Surface and groundwater resource data were evaluated for the project area. An unnamed ephemeral creek runs south on the west side of the property boundary and another ephemeral drainage bisects the northeast corner of the property. Figure 3 and 4 also shows streams from the USDA NRCS National Hydrology Dataset and wetlands from the USFWS National Wetland Inventory (USDA NRCS 2011 and USFWS 2013).

The North Dakota Department of Health (NDDH) Section 303(d) List of Waters Needing Total Maximum Daily Loads (TMDL) indicated no TMDL waters in the project areas (NDDH 2010). The NDDH also responded to our Agency correspondence stating no wellhead protection areas or named groundwater aquifer exists in the proposed project location. The NDDH requires a National Pollution Discharge Elimination System (NPDES) general permit for stormwater discharges associated with construction activities (NDR10-0000) for all construction projects where land disturbance is greater than 1 acre. In addition to obtaining a NDR10-0000, TESORO would be required to prepare a Stormwater Pollution Prevention Plan (SWPPP).



Figure 2. Wetland delineation field data points, drainage boundaries and water resources.

4.3 Raptors, Migratory Birds, and Wildlife

Raptors and migratory bird species are protected against impacts of direct mortality, habitat degradation, and/or displacement of individual birds through the MBTA, BGEPA, and ESA. A raptor survey was conducted on site and within two miles the project boundary on April 25, 2013. One red-tailed hawk (*Buteo jamaicensis*) and one Northern harrier (*Circus cyaneus*) were observed in flight but no raptors nests were found. The northern harrier is a North Dakota Level II Species of Conservation Priority. It is the only species of North Dakota's one hundred Species of Conservation Priority observed in the vicinity of the project area.

Nesting habitat of red-tailed hawks is limited to occasional cottonwood trees along drainages and planted trees in shelterbelts surrounding farmsteads. As nesters on elevated ground or in shrubs and dense grasses, nesting habitat for the northern harrier is more abundant in the project area vicinity.

Wildlife presence and sign was recorded while walking the property in April 2013. Wildlife utilizing the property includes deer, pheasants, coyotes, burrowing mammals, geese, and songbirds. Wildlife sign and songbirds were especially abundant in the shrubs within the drainages.

4.4 Threatened and Endangered Species

Assessments for federally listed threatened, endangered and candidate species were conducted by agency consultation and by determining if potential habitats exist within the project area.

Currently, five federally listed species have been documented in Williams County, including:

- Gray Wolf (*Canis lupus*)
- Interior Least Tern (*Sterna antillarum*)
- Pallid Sturgeon (*Scaphirhynchus albus*)
- Piping Plover (*Charadrius melodus*)
- Whooping Crane (*Grus americana*)

No threatened or endangered species or critical habitat areas of concern were located during the field survey.

Suitable habitat for the interior least tern and pallid sturgeon is limited to the Missouri River system which is outside the project area. There is also no potential habitat for gray wolves and none were not observed during the site assessment. Piping plover are shorebirds and no shoreline habitat is in or near the project location. These four species will not be affected by the proposed project.

Whooping cranes have the potential to fly over, temporarily feed, or loaf in the area during spring and fall migration. Whooping cranes were not observed during the field assessment; however, there is suitable habitat located near the project area. Whooping cranes preferred habitat includes large marshy wetlands and croplands. Cropland is present in the vicinity of the project. If individuals migrate through the project area, they will likely avoid the project area and utilize adjacent croplands away from the proposed development. If a whooping crane is sighted

within one-mile of project area, the USFWS will be contacted immediately. The proposed project is not likely to adversely affect this species.

4.5 Soils

KC Harvey reviewed the United States Department of Agriculture Natural Resources Conservation Service (USDA NRCS) Soil Survey Geographic Database (SSURGO) soil data from Williams County (USDA NRCS 2012). No Prime Farmland was found within the proposed project area; however the majority of the proposed property contains Farmland of Statewide Importance (Figure 3). Soils within and surrounding the project are described as partially hydric with no probable flood occurrence.

4.6 Vegetation

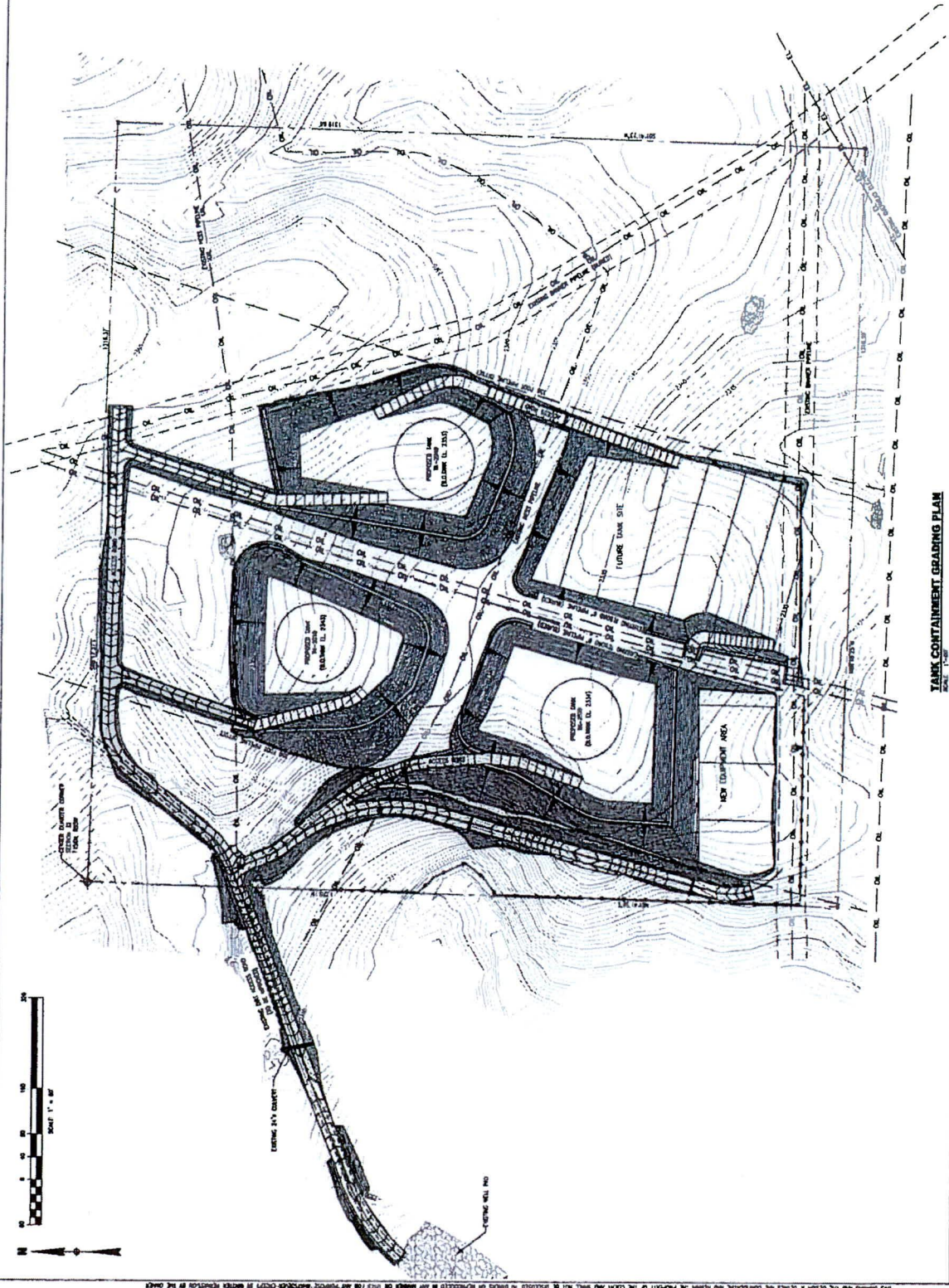
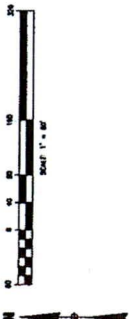
The vegetation on the site consists primarily of annual wheat crop. The grassland in the northern part of the property is a mix of non-native pasture grasses (smooth brome [*Bromus inermis*] and bluegrass [*Poa* spp]) with native prairie forbs. Native shrub species including chokecherry (*Prunus virginiana*) and snowberry (*Symphoricarpos occidentalis*) are common in the drainages and slopes of the property. No trees are present. Canada thistle (*Cirsium arvense*), a noxious weed species, is present at low coverage along the drainages.

4.7 Land Cover and Land Uses

Land cover from the National Land Cover Database (NLCD) from the Multi-Resolution Land Characteristics Consortium (MRCL) was evaluated in the project area (Homer, et al. 2007). According to the NLCD database, the proposed project area consists mainly of cultivated crops with grasslands on the north quarter and a small patch of shrubs on the west side.

The land cover was ground-truthed during the site assessment. The land cover assessment of the site and surrounding area (two-mile radius) was conducted by walking the site and delineating the vegetation community boundaries and plant species within each community (Figure 4). The property consists primarily of agricultural cropland for wheat production. The northern portion of the property is mixed native and non-native grasses. There are drainages on the northeast and west portions of the property that contain shrubs. Wildlife sign was abundant indicating wildlife (e.g., deer, coyote, upland birds) regularly use the site, particularly along the drainages and shrubs.

Adjacent land uses within two miles of the property include agricultural pasture and cropland, and industrial use.



LEGEND:

- EXISTING GRADE (TOPOGRAPHY) (SEE SHEET 1)
- PROPOSED TOPOGRAPHY
- PROPERTY LINE
- 50' FOOT OFFSET FROM EXISTING PROPERTY LINE
- PROPOSED EXISTING (PROPOSED)
- EXISTING OR PROPOSED
- SLOPE (H:V)

GENERAL NOTES:

1. EXISTING GRADE TOPOGRAPHY GENERATED FROM SURVEY DATA PROVIDED BY HANLON & ASSOCIATES, INC. (SEE SHEET 1). ALL ELEVATIONS ARE IN FEET UNLESS OTHERWISE NOTED.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE LATEST EDITIONS OF THE INTERNATIONAL PLUMBING CODE (IPC).

TANK CONTAINMENT GRADING PLAN
DATE: 11/17/17

NO.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR PERMIT	11/17/17	MM	MM
2	REVISED FOR APPROVAL	11/17/17	MM	MM
3	ISSUED FOR PERMIT	11/17/17	MM	MM
4	REVISED FOR APPROVAL	11/17/17	MM	MM

Wood Group Consulting, Inc.
CONSULTING ENGINEERS & ARCHITECTS

1000/NEW RUMBERG
MID202033.1-04-05-485-1900

NEW RUMBERG
ORIGINAL CONCEPTUAL ENGINEERING PLAN

DATE: 11/17/17
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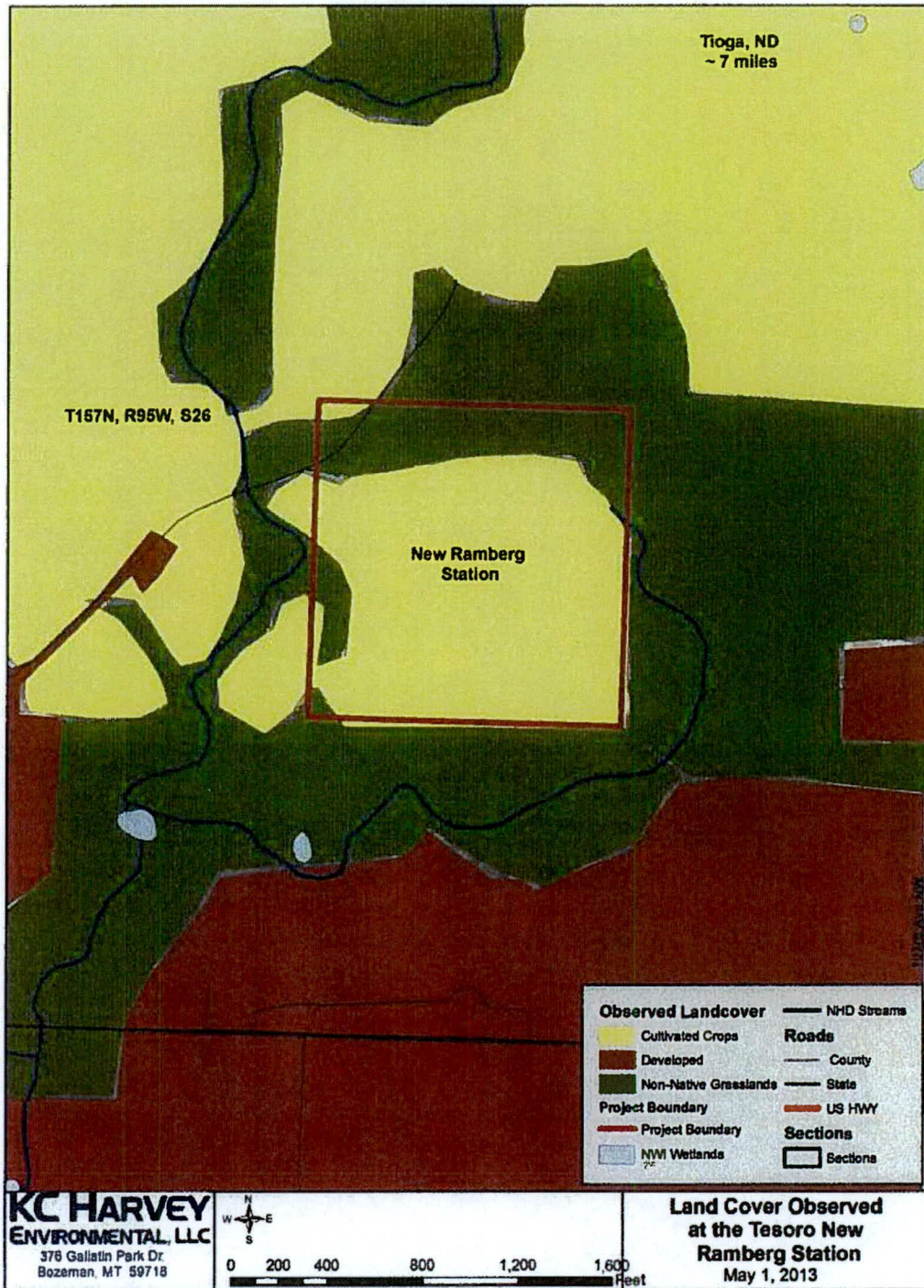


Figure 4. Land cover observed in and around the proposed project area.

5.0 Exclusion and Avoidance Conclusions

The North Dakota Administrative Code (North Dakota Century Code Laws) Chapter 69-06-08-01, Energy Conversion Facility Siting Criteria was used a guideline for determining Exclusion and Avoidance Areas in the proposed project area. Selection criteria included potential impacts, mitigation measures where appropriate are provided below.

5.1 Exclusion Areas

According to the NDAC, Exclusion Areas are geographic areas where no construction activity is allowable. Buffer zones are established at designated widths in order to protect the exclusion area resource. Table 1 indicates the types of exclusion zones specified by the NDPS and the presence in the project and/ or the study area.

Table 1. Exclusion Area criteria for the proposed project area and surrounding study area.

Exclusion Areas	In Study Area	Within Project Boundary
National Monuments	No	No
National Wilderness Areas	No	No
National Wildlife Refuges	No	No
State Wild, Scenic, or Recreational Rivers	No	No
State Game Refuges	No	No
State Game Management Areas	No	No
State Management Areas	No	No
State Forests	No	No
State Forest Management Lands	No	No
State Grasslands	No	No
State Parks and Forest	No	No
State Historic Sites	No	No
State Monuments	No	No
State Historical Markers	No	No
State Archaeological Sites	No	No
State Nature Preserves	No	No
State or National Grasslands	No	No
Other Historical Resources	No	No

Exclusion Areas	In Study Area	Within Project Boundary
County Parks	No	No
County Recreational Areas	No	No
Municipal Parks	No	No
Parks owned or administered by other Governmental Subdivisions	No	No
Prime and Unique Farmlands	No	No
Critical Habitats defined by the USFWS	No	No
Irrigated Land	No	No
Areas of unique animals or plant species	No	No

There are no Exclusion Areas in the proposed project area.

5.2 Avoidance Areas

Avoidance Areas are defined by the NDAC as geographic areas which may be impacted by the proposed management, the orderly siting of the facility, system reliability and integrity, the efficient use of resources, and alternative sites. Table 2 lists the criteria and determined Avoidance Areas observed during the site assessment.

Table 2. Avoidance Area criteria for the proposed project area and surrounding study area.

Avoidance Areas	In Study Area	Within Project Boundary
Historical Resources not Designated as Exclusion Areas	No	No
Areas Which Are Geologically Unstable	No	No
Within Five Hundred Feet [152.4 Meters] of a Residence, School, or Place of Business	No	No
Areas within 100-year Floodplain	No	No
Woodlands	No	No
Wetlands and Watercourses	Yes	Yes
Reservoirs and Municipal Water Supplies	No	No
Water Sources for Organized Rural Water Districts	No	No
Areas of Recreational Significance Which Are Not Designated as Exclusion Areas	No	No

Figure 5 indicates the Avoidance Areas for the proposed project. Two drainages (watercourses) are present on the west and east sides of the proposed project location. The Avoidance Area on the east covers approximately 1.65 acres. The Avoidance Area on the west is approximately 0.79 acres.

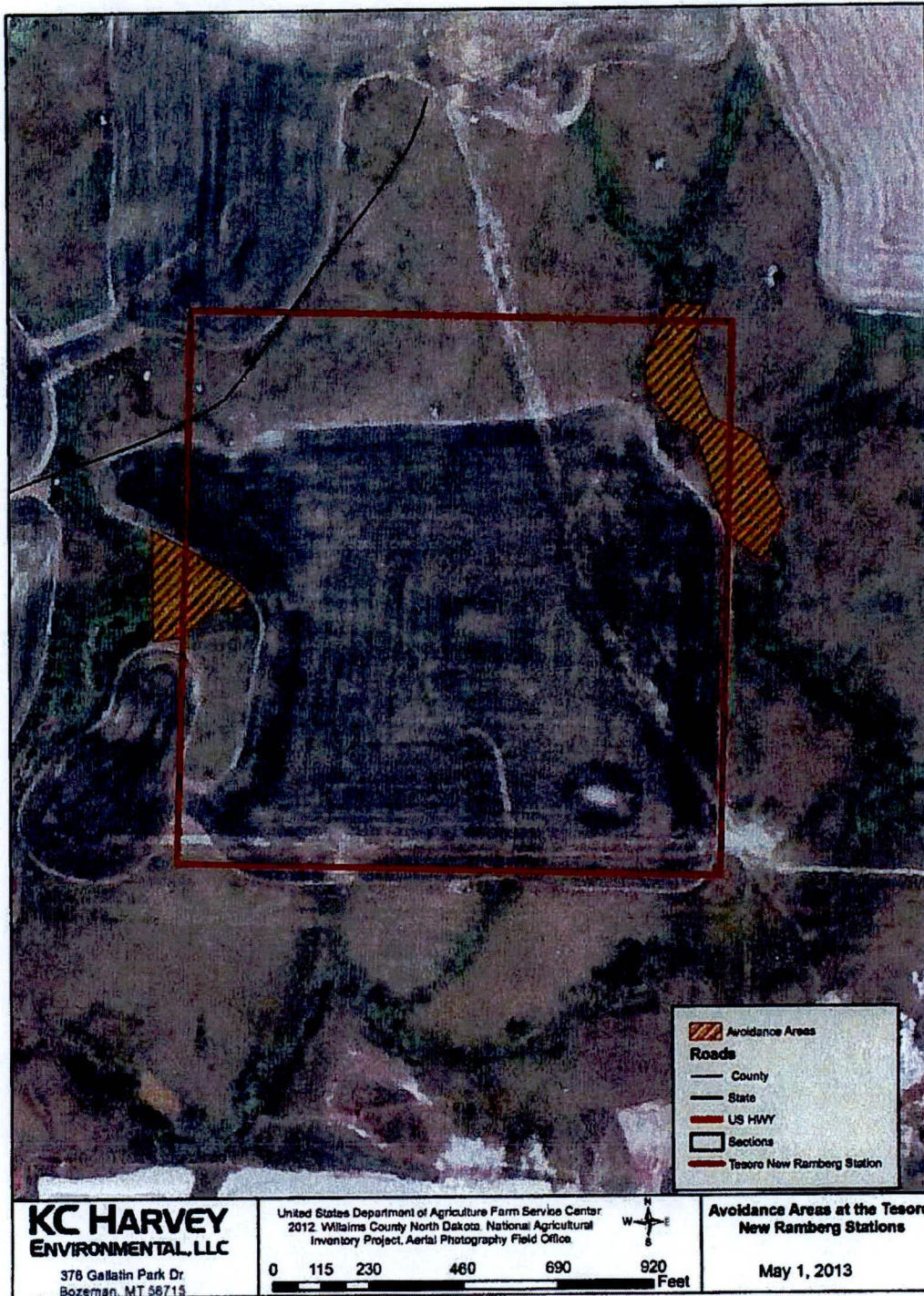


Figure 5. Avoidance Areas at the proposed project location.

5.3 Selection Criteria

Table 3 indicates the NDPSC selection criteria as defined in the NDAC and the potential impacts from the project location.

Table 3. Selection Criteria and potential impacts from the proposed project.

Selection Criteria	Potential Impacts Resulting From Project
Agricultural Production	Minimal
Family Farms and Ranches	None
Land Suitable for Irrigation	None
Surface and Groundwater Flow Patterns	Avoidance Areas
Noise Sensitive Areas	None
Visual Effects	None
Extractive and Storage Resources	None
Wetlands/ Watercourses	Avoidance Areas
Woodlands	None
Communication or Electric Control Facilities	None
Human Health and Safety	Future Potential
Animal Health and Safety	None
Plant Life	Minimal

5.4 Agricultural Production

The property is currently used for the production of annual wheat crops. The proposed development will decrease agricultural production by 29.7 acres. There are family farms within the vicinity (2 mile radius) of the proposed project location. Minimal impact to agricultural production is expected due to the development of the proposed project.

5.5 Noise and Visual Effects

The surrounding and adjacent land use to the south is industrial. The New Ramberg/ Beaver Lodge Station is directly south of the proposed project location. Another industrial station is directly west of the site. In addition, a new industrial site is being developed within one mile of the eastern boundary. The proposed location is also within the Beaver Lodge Oil Field. Noise or visual effects are not foreseen due to the proposed project.

5.6 Wetlands

During the site assessment the presence or absence of wetlands was determined using USACE methods (USACE 1987 and 2010). No wetlands were located within the property boundaries. USACE wetland delineation data sheets are provided in Appendix B. The site has two ephemeral

drainages. Water was present and flowing during the April survey. However, wetland plants and soils were absent from the site. These areas do not meet the USACE definition of a wetland.

5.7 Human Health Safety

No known impacts to human health or safety besides future operation at the New Ramberg Station are foreseen from the development of the proposed project.

5.8 Vegetation

Vegetation at the proposed project location consists mainly of cultivated crops with the north ¼ of the property being non-native and native grass species. Minimal impacts to the vegetation communities are expected from the development of the proposed project.

6.0 Qualifications of Persons Contributing to the Study

David Cameron has practiced as a professional engineer in four states and is a specialist in reclamation design with 31 years of professional experience in North America, Mexico, South America, and Australasia. David has a B.S. degree in Civil Engineering with an emphasis on geotechnical engineering from the University of Colorado. He also has vast experience in development and implementation of reclamation plans for mining, oil and gas, and other energy related projects.

Monica Pokorny has a Master of Science in Land Resources and Environmental Sciences from Montana State University. She has 17 years of experience doing biological assessments, field sampling, reclamation design and implementation, and reporting.

Loren Franklin has a Bachelor of Science in Biomedical Sciences and a Master of Science in Land Rehabilitation. She has 6 years of experience being a reclamation scientist and her project experience emphasizes human and ecological risk assessment, environmental sampling, and reclamation planning, construction, and monitoring. Her specialties also include GPS, GIS, and database compilation.

Brad Kovach has a Bachelor of Science in Biology and 22 years of experience in environmental services. His experience includes facility siting and permitting, resource assessments, and project management.

7.0 References

Homer, C., Dewitz, J., Fry, J., Coan, M., Hossain, N., Larson, C., Herold, N., McKerrow, A., VanDriel, J.N., and Wickham, J. 2007. Completion of the 2001 National Land Cover Database for the Conterminous United States. Photogrammetric Engineering and Remote Sensing, Vol. 73, No. 4, pp 337-341.

North Dakota Department of Health (NDDH). 2010. North Dakota 2010 Integrated Section 305(b) Water Quality Assessment Report and Section 303(d) List of Waters Needing Total Maximum Daily Loads. Accessed on March 29, 2013 at:

http://www.ndhealth.gov/WQ/SW/Z7_Publications/IntegratedReports/2010_Final_Approved_IntegratedReport_20100423.pdf.

- U.S. Army Corps of Engineers. 1987. *Corps of Engineers Wetland Delineation Manual*. Technical Report Y-87-1. U.S. Army Research and Development Center, Vicksburg, Mississippi.
- U.S. Army Corps of Engineers. 2010. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Great Plains Region (Version 2.0)*. U.S. Army Research and Development Center, Vicksburg, Mississippi.
- U.S. Army Corps of Engineers. 2012. The National Wetland Plant List. Publication ERDC/CRREL TR-12-11. U.S. Army Research and Development Center, Vicksburg, Mississippi.
- United States Department of Agriculture Farm Service Center. 2012. Williams County North Dakota. National Agricultural Inventory Project, Aerial Photography Field Office.
- United States Department of Agriculture Natural Resources Conservation Service (USDA NRCS) National Geospatial Management Center. 2011. National Hydrography Dataset (NHD) - 24k. Williams County North Dakota. Accessed on March 29, 2013 at: <http://nhd.usgs.gov/>.
- United States Department of Agriculture Natural Resources Conservation Service (USDA NRCS). 2012. Soil Survey Geographic Database (SSURGO) for Williams County, North Dakota (nd105).
- United States Fish and Wildlife Service (USFWS). 2013. National Wetland Inventory Wetlands Mapper. Accessed on March 29, 2013 at: <http://www.fws.gov/wetlands/Data/Mapper.html>.

8.0 Appendix A: Correspondence with Federal and State Agencies

KC HARVEY

March 27, 2013

Jeffrey Towner, Field Supervisor
U.S. Fish and Wildlife Service
North Dakota Field Office
3425 Miriam Avenue
Bismarck, North Dakota 58501-7926

RE: Request for Agency Coordination in Regards to a State of ND PSC Permit Application for a Certificate of Site Compatibility: Proposed Tesoro New Ramberg Tank Farm in Williams County, North Dakota

Dear Mr. Towner,

Tesoro High Plains Pipeline (Tesoro) proposes construction to build a new tank farm/ station located south of Tioga in Williams County, North Dakota. The proposed site is approximately 40 acres in the NW¼ of the SE¼ of Section 32, Township 156 North, Range 95 West (Figure 1). The new construction (the Project) will add crude oil storage tanks and pumping capabilities to the existing Ramberg Station. The Project area is located 7.3 miles south of Tioga, North Dakota and approximately 830 feet north of the existing Ramberg Station in the Beaver Lodge Oil Field. Tesoro is preparing an application to the State of North Dakota Public Service Commission (PSC) for a Certificate of Site Compatibility.

KC Harvey Environmental, LLC is conducting the environmental analyses and preparing the respective narrative for the PSC application. Tesoro will submit the completed application for the PSC approval process. In accordance with the PSC application guidance, we are requesting technical data and comments pursuant to your Agency's interests. This is in accordance with the North Dakota Century Code Chapter 49-22-14.1 of the Energy Conversion and Transmission Facility Siting Act outlining cooperation with state and federal agencies.

Project preliminary planning and design is currently underway. A spring 2013 site assessment will be conducted for wetlands, land cover, and biological resources. In accordance with the PSC application requirement, we are requesting preliminary comments and data from the U.S. Fish and Wildlife Service (USFWS) North Dakota Ecological Services Office in advance of the site assessment. Please provide comments related to the Endangered Species Act (ESA), the Migratory Bird Treaty Act (MBTA), the Bald and Golden Eagle Protection Act (BGEPA), and other resources of concern existing in or near the project area.

We are also contacting the North Dakota Game and Fish Department (NDGF) regarding the North Dakota Conservation Priority Species and State easements, as well as the North Dakota Parks and Recreation Department (NDPR) for Natural Heritage Species.

We will subsequently coordinate with you and other agencies if resources of concern are identified. We will also address your findings, recommendations, and the results of the site assessment in the PSC permit application. The PSC notice of filing will likely occur in the Spring of 2013. The site assessment will be completed prior to the filing.

Written responses can be sent to my attention at:

376 Gallatin Park Dr.
Bozeman, MT 59715
lbarber@kcharvey.com

Please feel free to call me at 406-585-7402, extension 19 or by email at lbarber@kcharvey.com with any questions or requests for additional information.

Thank you for your consideration in this matter.

Sincerely,



Loren M.B. Franklin, M.S.
Reclamation Scientist
KC Harvey Environmental, LLC

Kari Thorsteinson

From: Loren Barber
Sent: Thursday, March 28, 2013 3:01 PM
To: kari_thorsteinson@fws.gov
Subject: Attn: Jeffrey Towner, Re: ND PSC Application preliminary contact
Attachments: Tesoro_TankFarm_PSCletter032713_USFWS.pdf

Dear Mr. Towner,

I am contacting you regarding two North Dakota PSC Applications for Certificate of Site Compatibility. Please see my first email regarding the first proposed location (I could not send both letters in one email, sorry for the inconvenience). The second proposed project is a new tank farm near the existing Tesoro Ramberg Station (New Ramberg Tank Farm), approximately 7 miles south of Tioga.

Please see the attached letter requesting data and comments from the USFWS regarding the second proposed location. I have also sent a copy of this letter to your office via US mail. Please contact me with any questions. Thank you in advanced for your time.

Sincerely,

Loren Franklin
Reclamation Scientist

Reclamation Research Group
A Division of
KC Harvey Environmental, LLC
378 Gallatin Park Drive
Bozeman, Montana 59715 USA

Phone: 406.585.7402, ext 19
Cell: 406.570.5410
Fax: 406.585.7428
lbarber@kcharvey.com

KC HARVEY
ENVIRONMENTAL, LLC

KC HARVEY

March 27, 2013

Jeffrey Towner, Field Supervisor
U.S. Fish and Wildlife Service
North Dakota Field Office
3425 Miriam Avenue
Bismarck, North Dakota 58501-7926

U.S. FISH AND WILDLIFE SERVICE

ECOLOGICAL SERVICES- ND FIELD OFFICE

Project as described will have no significant impact on fish and wildlife resources. No endangered or threatened species are known to occupy the project area. IF PROJECT DESIGN CHANGES ARE MADE, PLEASE SUBMIT PLANS FOR REVIEW.

4-26-13
Date

Jeffrey K. Towner
Jeffrey K. Towner
Field Supervisor

RE: Request for Agency Coordination in Regards to a State of ND PSC Permit Application for a Certificate of Site Compatibility: Proposed Tesoro New Ramberg Tank Farm in Williams County, North Dakota

Dear Mr. Towner,

Tesoro High Plains Pipeline (Tesoro) proposes construction to build a new tank farm/ station located south of Tioga in Williams County, North Dakota. The proposed site is approximately 40 acres in the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 32, Township 156 North, Range 95 West (Figure 1). The new construction (the Project) will add crude oil storage tanks and pumping capabilities to the existing Ramberg Station. The Project area is located 7.3 miles south of Tioga, North Dakota and approximately 830 feet north of the existing Ramberg Station in the Beaver Lodge Oil Field. Tesoro is preparing an application to the State of North Dakota Public Service Commission (PSC) for a Certificate of Site Compatibility.

KC Harvey Environmental, LLC is conducting the environmental analyses and preparing the respective narrative for the PSC application. Tesoro will submit the completed application for the PSC approval process. In accordance with the PSC application guidance, we are requesting technical data and comments pursuant to your Agency's interests. This is in accordance with the North Dakota Century Code Chapter 49-22-14.1 of the Energy Conversion and Transmission Facility Siting Act outlining cooperation with state and federal agencies.

Project preliminary planning and design is currently underway. A spring 2013 site assessment will be conducted for wetlands, land cover, and biological resources. In accordance with the PSC application requirement, we are requesting preliminary comments and data from the U.S. Fish and Wildlife Service (USFWS) North Dakota Ecological Services Office in advance of the site assessment. Please provide comments related to the Endangered Species Act (ESA), the Migratory Bird Treaty Act (MBTA), the Bald and Golden Eagle Protection Act (BGEPA), and other resources of concern existing in or near the project area.

We are also contacting the North Dakota Game and Fish Department (NDGF) regarding the North Dakota Conservation Priority Species and State easements, as well as the North Dakota Parks and Recreation Department (NDPR) for Natural Heritage Species.

KC HARVEY

April 8, 2013

Dan Cimarosti, Program Manager
U.S. Army Corps of Engineers, Omaha District
North Dakota Regulatory Office
1513 South 12th Street
Bismarck, North Dakota 58504

RE: Request for Agency Coordination Regarding a PSC Permit Application for a Certificate of Site Compatibility-Proposed Tesoro New Ramberg Tank Farm , Williams County, North Dakota

Dear Mr. Cimarosti,

Tesoro High Plains Pipeline (Tesoro) proposes construction to build a new tank farm/ station located south of Tioga in Williams County, North Dakota. The proposed site is approximately 40 acres in the NW¼ of the SE¼ of Section 32, Township 156 North, Range 95 West (Figure 1). The new construction will add crude oil storage tanks and pumping capabilities to the existing Ramberg Station. The project area is located 7.3 miles south of Tioga, North Dakota and approximately 830 feet north of the existing Ramberg Station in the Beaver Lodge Oil Field. Tesoro is preparing an application to the State of North Dakota Public Service Commission (PSC) for a Certificate of Site Compatibility.

KC Harvey Environmental, LLC is conducting the environmental analyses and preparing the respective narrative for the PSC application to be submitted by Tesoro. In accordance with the PSC application guidance, we are requesting any preliminary data and comments pursuant to your Agency's interests. This is in accordance with the North Dakota Century Code Chapter 49-22-14.1 of the Energy Conversion and Transmission Facility Siting Act outlining cooperation with state and federal agencies.

Project preliminary planning and design is currently underway. A spring 2013 site assessment will be conducted for wetlands, land cover, and biological resources. During this site assessment we will be conducting wetland delineation in accordance with the U.S. Army Corps of Engineers (USACE) 1987 wetland delineation manual. We will submit a completed delineation report to your office. To the greatest practicable extent, Tesoro will design the new tank station to avoid all wetlands identified within the project boundary. No permanent or temporary wetland impacts are anticipated.

The project will include pertinent evaluations and coordination with the following Agencies:

- U.S. Fish and Wildlife Service North Dakota Ecological Services Office
- North Dakota State Historic Preservation Office (SHPO)
- North Dakota Department of Health



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, OMAHA DISTRICT
NORTH DAKOTA REGULATORY OFFICE
1513 SOUTH 12TH STREET
BISMARCK ND 58504-6640

April 17, 2013

North Dakota Regulatory Office

Loren M.B. Franklin
KC Harvey Environmental LLC
376 Gallatin Park Drive
Bozeman, Montana 59715

Dear Loren M.B. Franklin:

This is in response to your letter dated April 8, 2013, requesting US Army Corps of Engineers (Corps) comments regarding the Tesoro New Ramberg Tank Farm project located in Section 32, Township 156 North, Range 95 West, Williams County, North Dakota.

Based on the information contained within your letter, it appears a Department of the Army permit may be required for all or part of your proposed project(s). In order for us to fully evaluate your project(s), please complete and submit the Corps permit application (copy enclosed). Be sure to accurately describe all proposed work and construction methodology. Once the application is complete, please mail it to the letterhead address.

Please be advised, Corps regulatory offices administer Section 10 of the Rivers and Harbors Act (Section 10) and Section 404 of the Clean Water Act (Section 404). Section 10 regulates work impacting navigable waters. Section 10 waters in North Dakota are the Missouri River (including Lake Sakakawea and Lake Oahe), Yellowstone River, James River south of the railroad track in Jamestown, North Dakota, Bois de Sioux River, Red River of the North, and the Upper Des Lacs Lake. Work over, in, or under navigable waters is considered to have an impact. Section 404 of the Clean Water Act regulates the discharge of dredged or fill material (temporarily or permanently) in waters of the United States. Waters of the United States may include, but are not limited to, rivers, streams, ditches, coulees, lakes, ponds, and their adjacent wetlands. Fill material includes, but is not limited to, rock, sand, soil, clay, plastics, construction debris, wood chips, overburden from mines or other excavation activities and materials used to create any structure or infrastructure in waters of the United States.

Do not hesitate to contact this office by letter or telephone (701) 255-0015 if we can be of further assistance.

Sincerely,

Daniel E. Cimarosti
State Program Manager
North Dakota Regulatory Office

Enclosure

KC HARVEY

March 27, 2013

Steve Dyke, Conservation Supervisor
North Dakota Game and Fish Department
100 N Bismarck Expressway
Bismarck, ND 58501-5095

RE: Request for Agency Coordination in Regards to a State of ND PSC Permit Application for a Certificate of Site Compatibility: Proposed Tesoro New Ramberg Tank Farm in Williams County, North Dakota.

Dear Mr. Dyke,

Tesoro High Plains Pipeline (Tesoro) proposes construction to build a new tank farm/ station located south of Tioga in Williams County, North Dakota. The proposed site is approximately 40 acres in the NW¼ of the SE¼ of Section 32, Township 156 North, Range 95 West (Figure 1). The new construction (the Project) will add crude oil storage tanks and pumping capabilities to the existing Ramberg Station. The Project area is located 7.3 miles south of Tioga, North Dakota and approximately 830 feet north of the existing Ramberg Station in the Beaver Lodge Oil Field. Tesoro is preparing an application to the State of North Dakota Public Service Commission (PSC) for a Certificate of Site Compatibility.

KC Harvey Environmental, LLC is conducting the environmental analyses and preparing the respective narrative for the PSC application. Tesoro will submit the completed application for the PSC approval process. In accordance with the PSC application guidance, we are requesting technical data and comments pursuant to your Agency's interests. This is in accordance with the North Dakota Century Code Chapter 49-22-14.1 of the Energy Conversion and Transmission Facility Siting Act outlining cooperation with state and federal agencies.

Project preliminary planning and design is currently underway. A spring 2013 site assessment will be conducted for wetlands, land cover, and biological resources. In accordance with the PSC application requirement, we are requesting preliminary comments and data from the North Dakota Game and Fish Department (NDGF) in advance of the site assessment. This includes NDGF Conservation Priority Species, easements, and other resources of concern existing in or near the project area.

We will also contact the U.S. Fish and Wildlife Service (USFWS) North Dakota Ecological Services Office regarding the Endangered Species Act (ESA), the Migratory Bird Treaty Act (MBTA), the Bald and Golden Eagle Protection Act (BGEPA), and conservation easements and Refuge lands.

We will subsequently coordinate with you and other agencies if resources of concern are identified. We will also address your findings, recommendations, and the results of the site

assessment in the PSC permit application. The PSC notice of filing will likely occur in the Spring of 2013. The site assessment will be completed prior to the filing.

Written responses can be sent to my attention at:

376 Gallatin Park Dr.
Bozeman, MT 59715
lbarber@kcharvey.com

Please feel free to call me at 406-585-7402, extension 19 or by email at lbarber@kcharvey.com with any questions or requests for additional information.

Thank you for your consideration in this matter.

Sincerely,



Loren M.B. Franklin, M.S.
Reclamation Scientist
KC Harvey Environmental, LLC

From: Schumacher, John D.
To: Loren Barber
Subject: Tesoro Projects in Williams Co -- Tioga Truck Station & Ramberg Tank Farm
Date: Wednesday, April 24, 2013 5:10:44 PM

Hi Loren,

This is a follow-up to our phone conversation.

The North Dakota Game and Fish Department has reviewed these projects for wildlife concerns. We do not believe they will have any significant adverse effects on wildlife or wildlife habitat based on the information provided.

If you have any questions please let me know.

**JOHN SCHUMACHER
RESOURCE BIOLOGIST
ND GAME AND FISH DEPT
701.328.6321**

KC HARVEY

March 28, 2013

Mark Zimmerman, Director
North Dakota Parks and Recreation Department
1600 E. Century Avenue, Suite 3
Bismarck, ND 58503-0649

RE: Request for Agency Coordination in Regards to a State of ND PSC Permit Application for a Certificate of Site Compatibility: Proposed Tesoro New Ramberg Tank Farm in Williams County, North Dakota

Dear Mr. Zimmerman,

Tesoro High Plains Pipeline (Tesoro) proposes construction to build a new tank farm/ station located south of Tioga in Williams County, North Dakota. The proposed site is approximately 40 acres in the NW¼ of the SE¼ of Section 32, Township 156 North, Range 95 West (Figure 1). The new construction (the Project) will add crude oil storage tanks and pumping capabilities to the existing Ramberg Station. The Project area is located 7.3 miles south of Tioga, North Dakota and approximately 830 feet north of the existing Ramberg Station in the Beaver Lodge Oil Field. Tesoro is preparing an application to the State of North Dakota Public Service Commission (PSC) for a Certificate of Site Compatibility.

KC Harvey Environmental, LLC is conducting the environmental analyses and preparing the respective narrative for the PSC application. Tesoro will submit the completed application for the PSC approval process. In accordance with the PSC application guidance, we are requesting technical data and comments pursuant to your Agency's interests. This is in accordance with the North Dakota Century Code Chapter 49-22-14.1 of the Energy Conversion and Transmission Facility Siting Act outlining cooperation with state and federal agencies.

Project preliminary planning and design is currently underway. A spring 2013 site assessment will be conducted for wetlands, land cover, and biological resources. In accordance with the PSC application requirement, we are requesting preliminary comments and data from North Dakota Parks and Recreation Department in advance of the site assessment. Please provide comments and data on project area North Dakota Natural Heritage Inventory occurrences, Natural Areas Registry resources, nature reserves, or other Department interests.

We are also contacting the U.S. Fish and Wildlife Service (USFWS) North Dakota Ecological Services Office regarding the Endangered Species Act (ESA), the Migratory Bird Treaty Act (MBTA), the Bald and Golden Eagle Protection Act (BGEPA), and conservation easements and Refuge lands. In addition, we are contacting the North Dakota Game and Fish Department (NDGF) regarding the North Dakota Conservation Priority Species and State easements.

We will subsequently coordinate with you and other agencies if resources of concern are identified. We will also address your findings, recommendations, and the results of the site

assessment in the PSC permit application. The PSC notice of filing will likely occur in the Spring of 2013. The site assessment will be completed prior to the filing.

Written responses can be sent to my attention at:

376 Gallatin Park Dr.
Bozeman, MT 59715
lbarber@kcharvey.com

Please feel free to call me at 406-585-7402, extension 19 or by email at lbarber@kcharvey.com with any questions or requests for additional information.

Thank you for your consideration in this matter.

Sincerely,



Loren M.B. Franklin, M.S.
Reclamation Scientist
KC Harvey Environmental, LLC

KC HARVEY

April 4, 2013

Dennis Fewless, Director
North Dakota Department of Health
Division of Water Quality
918 East Divide Avenue, 4th Floor
Bismarck, ND 58501-1947

RE: Request for Agency Coordination in Regards to a State of ND PSC Permit Application for a Certificate of Site Compatibility: Proposed Tesoro New Ramberg Tank Farm in Williams County, North Dakota

Dear Mr. Fewless,

Tesoro High Plains Pipeline (Tesoro) proposes construction to build a new tank farm/ station located south of Tioga in Williams County, North Dakota. The proposed site is approximately 40 acres in the NW¼ of the SE¼ of Section 32, Township 156 North, Range 95 West (Figure 1). The new construction (the Project) will add crude oil storage tanks and pumping capabilities to the existing Ramberg Station. The Project area is located 7.3 miles south of Tioga, North Dakota and approximately 830 feet north of the existing Ramberg Station in the Beaver Lodge Oil Field. Tesoro is preparing an application to the State of North Dakota Public Service Commission (PSC) for a Certificate of Site Compatibility.

KC Harvey Environmental, LLC is conducting the environmental analyses and preparing the respective narrative for the PSC application. Tesoro will submit the completed application for the PSC approval process. In accordance with the PSC application guidance, we are requesting technical data and comments pursuant to your Agency's interests. This is in accordance with the North Dakota Century Code Chapter 49-22-14.1 of the Energy Conversion and Transmission Facility Siting Act outlining cooperation with state and federal agencies.

Project preliminary planning and design is currently underway. A spring 2013 site assessment will be conducted for wetlands/ water resources, land cover, and biological resources. In accordance with the PSC application requirement, we are requesting preliminary comments and data from the North Dakota Department of Health (NDDH), Division of Water Quality in advance of the site assessment. Please provide comments related to any protected surface waters, groundwater, well head protection areas, and other resources of concern existing in or near the project area.

We will subsequently coordinate with you and other agencies if resources of concern are identified. We will also address your findings, recommendations, and the results of the site assessment in the PSC permit application. The PSC notice of filing will likely occur in the Spring of 2013. The site assessment will be completed prior to the filing.

Written responses can be sent to my attention at:

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Bozeman, MT 59715
lbarber@kcharvey.com

Please feel free to call me at 406-585-7402, extension 19 or by email at lbarber@kcharvey.com with any questions or requests for additional information.

Thank you for your consideration in this matter.

Sincerely,



Loren M.B. Franklin, M.S.
Reclamation Scientist
KC Harvey Environmental, LLC



NORTH DAKOTA
DEPARTMENT of HEALTH

ENVIRONMENTAL HEALTH SECTION
Gold Seal Center, 918 E. Divide Ave.
Bismarck, ND 58501-1947
701.328.5200 (fax)
www.ndhealth.gov



April 10, 2013

Mr. Loren M.B. Franklin, M.S.
KC Harvey Environmental, LLC
376 Gallatin Park Drive
Bozeman, MT 59715

Re: Proposed Tesoro New Ramberg Tank Farm, Williams County, North Dakota

Mr. Franklin,

The North Dakota Department of Health (NDDH) has reviewed your April 4, 2013 Request for Agency Coordination letter regarding the Proposed Tesoro New Ramberg Tank Farm. In your letter, you requested our comments related to any protected surface waters, groundwater resources, wellhead protection areas, and other resources of concern at, or in the vicinity of, the proposed project area.

The proposed site is not located over a named groundwater aquifer or within a wellhead protection area (see Figure 1); several wells are located south and southwest of the proposed site. Based on a review of available groundwater information, it does not appear that site operations would impact underground sources of drinking water.

Projects disturbing one or more acres are required to have a permit to discharge storm water runoff until the site is stabilized by the reestablishment of vegetation or other permanent cover. An industrial storm water discharge permit also may be required based on the type of industrial activity at the facility. A wastewater discharge permit is required if the facility will discharge process wastewater to waters of the state. Further information on the discharge permits may be obtained from the Department's website or by calling the Division of Water Quality at 701-328-5210.

Other state and federal agencies may require notification or permits for your project; some of these agencies are listed on the enclosed Environmental Contact Information for Water Related Development sheet. In addition, cities or counties may impose additional requirements and/or specific best management practices for construction affecting their storm drainage system, and may require provisions to address the quality of post-construction storm water runoff from new development and redevelopment projects. Check with the local officials to be sure any local storm water management considerations are addressed.

Please feel free to contact me at 701-328-5210 if you have any questions or require any additional information from the NDDH.

Sincerely,

Dennis Fewless, Director
NDDH – Division of Water Quality

Encl.

Environmental Health
Section Chief's Office
701.328.5150

Division of
Air Quality
701.328.5188

Division of
Municipal Facilities
701.328.5211

Division of
Waste Management
701.328.5166

Division of
Water Quality
701.328.5210



Jack Dalmryple, Governor
Mark A. Zimmerman, Director
1600 East Century Avenue, Suite 3
Bismarck, ND 58503-0449
Phone 701-328-3357
Fax 701-328-3363
E-mail parkrec@nd.gov
www.parkrec.nd.gov

May 1, 2013

Loren Barber
KC Harvey Environmental, LLC
376 Gallatin Park Drive
Bozeman, MT 59715

Re: Proposed Upgrade to the Tesoro Tioga Truck Station, Williams County, ND

Dear Loren Barber,

The North Dakota Parks and Recreation Department (the Department) has reviewed the above referenced proposal for the proposed upgrade to the Tesoro Tioga truck station in Williams County, North Dakota.

Our agency scope of authority and expertise covers recreation and biological resources (in particular rare plants and ecological communities). The project as defined does not affect state park lands that we manage or Land and Water Conservation Fund recreation projects that we coordinate.

The North Dakota Natural Heritage biological conservation database has been reviewed to determine if any plant or animal species of concern or other significant ecological communities are known to occur within an approximate one-mile radius of the project area. Based on this review, there are no documented occurrences in our database within or adjacent to project area. Because this information is not based on a comprehensive inventory, there may be species of concern or otherwise significant ecological communities in the area that are not represented in the database. The lack of data for any project area cannot be construed to mean that no significant features are present. The absence of data may indicate that the project area has not been surveyed, rather than confirm that the area lacks natural heritage resources.

The Department recommends that the project be accomplished with minimal impacts and that all efforts be made to ensure that critical habitats not be disturbed in the project area to help secure rare species conservation in North Dakota. Regarding any reclamation efforts, we recommend that any impacted areas be revegetated with species native to the project area.

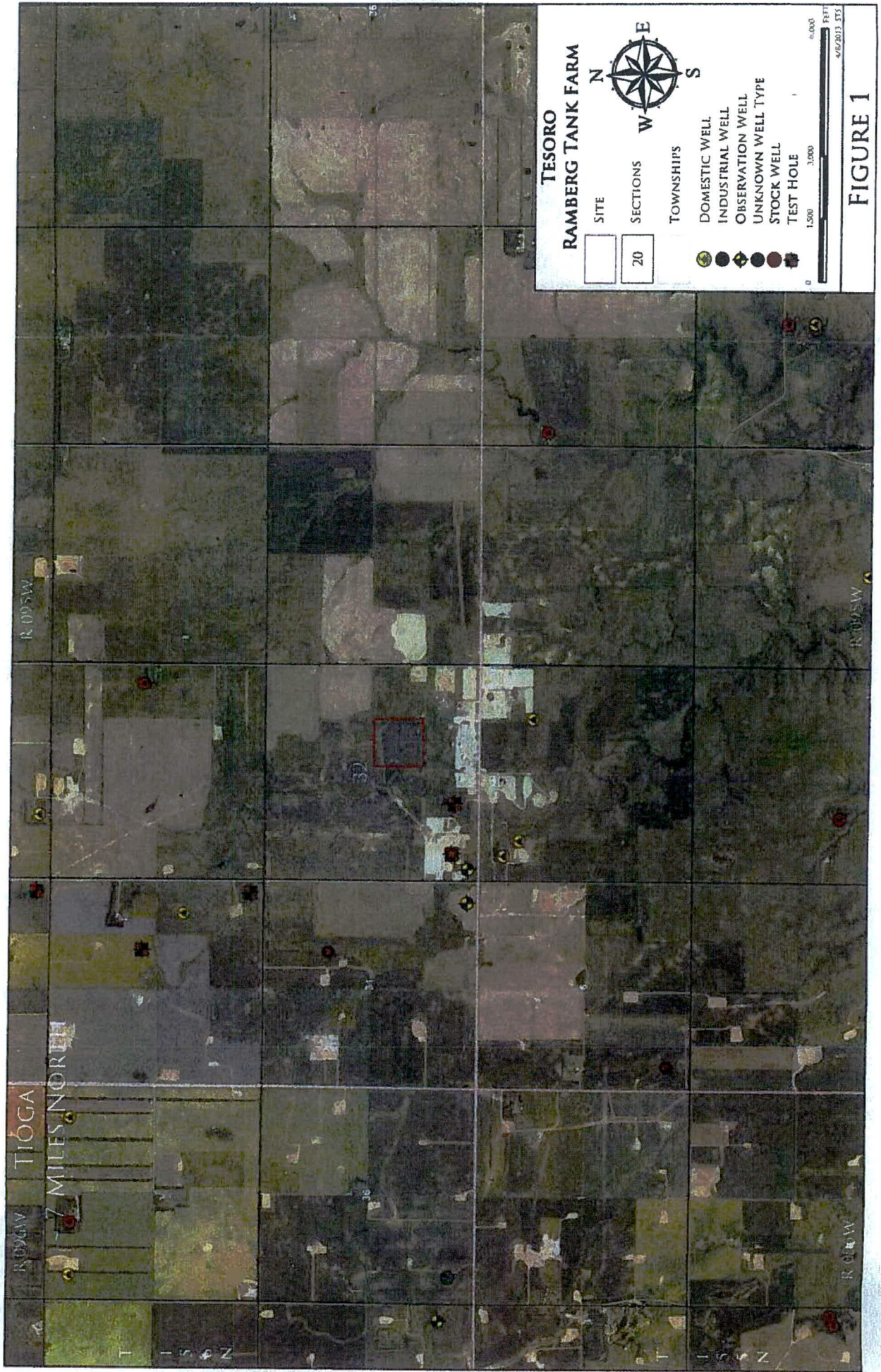
We appreciate your commitment to rare plant, animal and ecological community conservation, management and inter-agency cooperation to date. For additional information please contact me at (701)-328-5370 or kduffin@nd.gov. Thank you for the opportunity to comment on this proposed project.

Sincerely,


Kathy Duffin, Coordinator
Natural Resources Division

R.USNDNHI*2013-048KD5/1/2013DL3.1.2013

Play in our backyard!



9.0 Appendix B: US Army Corps of Engineers Wetland Assessment Forms

WETLAND DETERMINATION DATA FORM – Great Plains Regional Supplement

Project/Site: New Ramberg Station City/County: Williams Sampling Date: 4-25-13
 Applicant/Owner: Tesoro High Plains Pipeline State: ND Sampling Point: U1-NR
 Investigator(s): Monica Pokorny, Dave Cameron Section, Township, Range: 32, 156N, 95W
 Landform (hillslope, terrace, etc.): upland Local relief (concave, convex, none): hillside Slope (%): 15%
 Subregion (LRR): _____ Lat: 48.2911 N Long: -102.9207 Datum: NAD 1983
 Soil Map Unit Name: Zahl-Williams loams, 9 to 15% - partially hydric soil NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: _____ _____ _____	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC (excluding FAC-): <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: _____)				
1. <u>Symphoricarpos occidentalis</u>	<u>10%</u>		<u>UPL</u>	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: _____)				
1. <u>Bromus inermis</u>	<u>95%</u>		<u>UPL</u>	
2. <u>Cirsium arvense</u>	<u>5%</u>		<u>FACU</u>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum _____				
Remarks: _____ _____ _____				

Hydrophytic Vegetation Indicators:

1 - Rapid Test for Hydrophytic Vegetation
 2 - Dominance Test is >50%
 3 - Prevalence Index is ≤3.0¹
 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes No

SOIL

Sampling Point: U1-NR

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8	5YR 2.5/1							fine roots with clay and organic
2-12	2.5YR 3/2						clay loam	more green / yellow

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> 1 cm Muck (A9) (LRR I, J)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> Coast Prairie Redox (A16) (LRR F, G, H)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Dark Surface (S7) (LRR G)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Mucky Mineral (F1)	<input type="checkbox"/> High Plains Depressions (F16)
<input type="checkbox"/> Stratified Layers (A5) (LRR F)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	(LRR H outside of MLRA 72 & 73)
<input type="checkbox"/> 1 cm Muck (A9) (LRR F, G, H)	<input type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Reduced Vertic (F18)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Redox Dark Surface (F6)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Depleted Dark Surface (F7)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Redox Depressions (F8)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)	<input type="checkbox"/> High Plains Depressions (F16)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR F)	(MLRA 72 & 73 of LRR H)	

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Invertebrates (B13)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)
<input type="checkbox"/> Drift Deposits (B3)	(where not tilled)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Water-Stained Leaves (B9)	

Secondary Indicators (minimum of two required)

<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)
<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)
(where tilled)
<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Frost-Heave Hummocks (D7) (LRR F)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____

Water Table Present? Yes No Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes No Depth (inches): _____

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

above break in shrubs along the draw

WETLAND DETERMINATION DATA FORM – Great Plains Regional Supplement

Project/Site: New Ramberg Station City/County: Williams Sampling Date: 4-25-13
 Applicant/Owner: Tesoro High Plains Pipeline State: ND Sampling Point: W1-NR
 Investigator(s): Monica Pokorny, Dave Cameron Section, Township, Range: 32, 158N, 95W
 Landform (hillslope, terrace, etc.): drainage Local relief (concave, convex, none): concave Slope (%): 8%
 Subregion (LRR): _____ Lat: 48.2911 N Long: -102.9209 W Datum: NAD 1983
 Soil Map Unit Name: Zahl-Williams loam, 0 to 15% - partially hydric soil NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: _____ _____ _____	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:																
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC (excluding FAC-): <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
_____ = Total Cover				Prevalence Index worksheet: <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Total % Cover of:</td> <td style="width:50%;">Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species _____</td> <td>x 2 = _____</td> </tr> <tr> <td>FAC species _____</td> <td>x 3 = _____</td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: _____</td> <td>(A) _____ (B) _____</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = _____</td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species _____	x 1 = _____	FACW species _____	x 2 = _____	FAC species _____	x 3 = _____	FACU species _____	x 4 = _____	UPL species _____	x 5 = _____	Column Totals: _____	(A) _____ (B) _____	Prevalence Index = B/A = _____	
Total % Cover of:	Multiply by:																			
OBL species _____	x 1 = _____																			
FACW species _____	x 2 = _____																			
FAC species _____	x 3 = _____																			
FACU species _____	x 4 = _____																			
UPL species _____	x 5 = _____																			
Column Totals: _____	(A) _____ (B) _____																			
Prevalence Index = B/A = _____																				
Sapling/Shrub Stratum (Plot size: _____)																				
1. <u>Prunus virginiana</u>	20%		FACU																	
2. <u>Symphoricarpos occidentalis</u>	5%		UPL																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
_____ = Total Cover																				
Herb Stratum (Plot size: _____)																				
1. <u>Bromus inermis</u>	100%		UPL																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
_____ = Total Cover																				
Woody Vine Stratum (Plot size: _____)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
_____ = Total Cover																				
% Bare Ground in Herb Stratum _____																				
_____ = Total Cover																				
Remarks: _____ _____ _____																				

Hydrophytic Vegetation Indicators:

1 - Rapid Test for Hydrophytic Vegetation
 2 - Dominance Test is >50%
 3 - Prevalence Index is ≤3.0¹
 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes No

SOIL

Sampling Point: W1-NR

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-2								organic duff
2-12	5YR 2.5/1						loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histic Sol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (LRR F)
- 1 cm Muck (A9) (LRR F, G, H)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)
- 5 cm Mucky Peat or Peat (S3) (LRR F)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- High Plains Depressions (F16) (MLRA 72 & 73 of LRR H)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (LRR I, J)
- Coast Prairie Redox (A16) (LRR F, G, H)
- Dark Surface (S7) (LRR G)
- High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73)
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):
 Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:
soil pit 4 feet from water flow line

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)
- Salt Crust (B11)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Dry-Season Water Table (C2)
- Oxidized Rhizospheres on Living Roots (C3) (where not tilled)
- Presence of Reduced Iron (C4)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Sparsely Vegetated Concave Surface (B8)
- Drainage Patterns (B10)
- Oxidized Rhizospheres on Living Roots (C3) (where tilled)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)
- Frost-Heave Hummocks (D7) (LRR F)

Field Observations:
 Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): _____
 Saturation Present? (includes capillary fringe) Yes No Depth (inches): _____

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
no saturation or high water table; seasonal flow of water in drainage.

WETLAND DETERMINATION DATA FORM – Great Plains Regional Supplement

Project/Site: New Ramberg Station City/County: Williams Sampling Date: 4-25-13
 Applicant/Owner: Tesoro High Plains Pipeline State: ND Sampling Point: U2-NR
 Investigator(s): Monica Pokorny, Dave Cameron Section, Township, Range: 32, 156N, 95W
 Landform (hillslope, terrace, etc.): upland Local relief (concave, convex, none): hillside Slope (%): 15%
 Subregion (LRR): _____ Lat: 48.2897 N Long: -102.92553 W Datum: NAD 1983
 Soil Map Unit Name: Zahl-Williams loams, 9 to 15% - partially hydric soil NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: _____ _____ _____	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC (excluding FAC-): <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: _____)				
1. <u>Prunus virginiana</u>	10%		FACU	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: _____)				
1. <u>Bromus inermis</u>	100%		UPL	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum _____				
Remarks: _____ _____ _____				

Hydrophytic Vegetation Indicators:
 1 - Rapid Test for Hydrophytic Vegetation
 2 - Dominance Test is >50%
 3 - Prevalence Index is ≤3.0¹
 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes No

SOIL

Sampling Point: U2-NR

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-3	duff							fine roots with clay and organic
3-12	5YR 3/1						clay loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (LRR F)
- 1 cm Muck (A9) (LRR F, G, H)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)
- 5 cm Mucky Peat or Peat (S3) (LRR F)

- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- High Plains Depressions (F16) (MLRA 72 & 73 of LRR H)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (LRR I, J)
- Coast Prairie Redox (A16) (LRR F, G, H)
- Dark Surface (S7) (LRR G)
- High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73)
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)
- Salt Crust (B11)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Dry-Season Water Table (C2)
- Oxidized Rhizospheres on Living Roots (C3) (where not tilled)
- Presence of Reduced Iron (C4)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Sparsely Vegetated Concave Surface (B8)
- Drainage Patterns (B10)
- Oxidized Rhizospheres on Living Roots (C3) (where tilled)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)
- Frost-Heave Hummocks (D7) (LRR F)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): _____
 Saturation Present? (includes capillary fringe) Yes No Depth (inches): _____

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

above break in shrubs along the draw

WETLAND DETERMINATION DATA FORM – Great Plains Regional Supplement

Project/Site: New Ramberg Station City/County: Williams Sampling Date: 4-25-13
 Applicant/Owner: Tesoro High Plains Pipeline State: ND Sampling Point: W2-NR
 Investigator(s): Monica Pokorny, Dave Cameron Section, Township, Range: 32, 156N, 95W
 Landform (hillslope, terrace, etc.): drainage Local relief (concave, convex, none): concave Slope (%): 5%
 Subregion (LRR): _____ Lat: 48.2896 N Long: -102.9257W Datum: NAD 1983
 Soil Map Unit Name: Zahl-Williams loams, 9 to 15% - partially hydric soil NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: _____ _____ _____	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC (excluding FAC-): <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: _____)				
1. <u>Prunus virginiana</u>	<u>10%</u>		<u>FACU</u>	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: _____)				
1. <u>Bromus inermis</u>	<u>95%</u>		<u>UPL</u>	
2. <u>Cirsium arvense</u>	<u>5%</u>		<u>FACU</u>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum _____ = Total Cover				
Remarks: _____ _____ _____				

Hydrophytic Vegetation Indicators:
 1 - Rapid Test for Hydrophytic Vegetation
 2 - Dominance Test is >50%
 3 - Prevalence Index is ≤3.0¹
 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes No

SOIL

Sampling Point: W2-NR

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-12	2.5 YR 3/2						loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

<p>Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)</p> <input type="checkbox"/> Histosol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) (LRR F) <input type="checkbox"/> 1 cm Muck (A9) (LRR F, G, H) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 2.5 cm Mucky Peat or Peat (S2) (LRR G, H) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR F)	<input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8) <input type="checkbox"/> High Plains Depressions (F16) (MLRA 72 & 73 of LRR H)	<p>Indicators for Problematic Hydric Soils³:</p> <input type="checkbox"/> 1 cm Muck (A9) (LRR I, J) <input type="checkbox"/> Coast Prairie Redox (A16) (LRR F, G, H) <input type="checkbox"/> Dark Surface (S7) (LRR G) <input type="checkbox"/> High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73) <input type="checkbox"/> Reduced Vertic (F18) <input type="checkbox"/> Red Parent Material (TF2) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
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Restrictive Layer (if present):
 Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

<p>Primary Indicators (minimum of one required; check all that apply)</p> <input checked="" type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Salt Crust (B11) <input type="checkbox"/> Aquatic Invertebrates (B13) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) (where not tilled) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<p>Secondary Indicators (minimum of two required)</p> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) (where tilled) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Frost-Heave Hummocks (D7) (LRR F)
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Field Observations:

Surface Water Present? Yes <input checked="" type="radio"/> No <input type="radio"/> Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="radio"/> No <input type="radio"/>
Water Table Present? Yes <input checked="" type="radio"/> No <input type="radio"/> Depth (inches): _____	
Saturation Present? (includes capillary fringe) Yes <input checked="" type="radio"/> No <input type="radio"/> Depth (inches): _____	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:



**STATE
HISTORICAL
SOCIETY
OF NORTH DAKOTA**

Jack Dalrymple
Governor of North Dakota

May 20, 2013

North Dakota
State Historical Board

Jessie Soye
Project Manager
Ethnoscience, Inc.
4140 King Avenue East
Billings, MT 59101

Gereld Gerntholz
Valley City - President

Calvin Grinnell
New Town - Vice President

ND SHPO Ref: 13-0887 ND PSC "Tesoro High Plains Pipeline: A Class III Inventory of 40 Acres for the Proposed New Ramburg Station Project, Williams County, North Dakota" in portions of [T156N R95W Section 32]

A. Ruric Todd III
Jamestown - Secretary

Albert I. Berger
Grand Forks

Dear Jesse,

Diane K. Larson
Bismarck

We reviewed ND SHPO Ref: 13-0887 ND PSC "Tesoro High Plains Pipeline: A Class III Inventory of 40 Acres for the Proposed New Ramburg Station Project, Williams County, North Dakota." We concur with "No Significant Sites" state level determination for this project, provided it remains as described and mapped in your above-referenced Class III Inventory dated May 7, 2013.

Chester E. Nelson, Jr.
Bismarck

Margaret Puetz
Bismarck

Thank you for the opportunity to review this project. Please include the ND SHPO reference number listed above in any further correspondence for these specific projects. If you have any questions, please contact Susan Quinnell, Review & Compliance Coordinator 701-328-3576, e-mail: squinnell@nd.gov

Sara Otte Coleman
*Director
Tourism Division*

Kelly Schmidt
State Treasurer

Alvin A. Jaeger
Secretary of State

Sincerely,

Mark Zimmerman
*Director
Parks and Recreation
Department*

Merlan E. Paaverud, Jr.
State Historic Preservation Officer (North Dakota) and
Director, State Historical Society of North Dakota

Francis Ziegler
*Director
Department of Transportation*

Merlan E. Paaverud, Jr.
Director

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