



1250 West Century Avenue
Mailing Address:
P.O. Box 5601
Bismarck, ND 58506-5601
(701) 530-1600

August 19, 2022

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E., Room 1A
Washington, D.C. 20426

Re: OEP/DG2E/Gas Branch 4
WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Dear Ms. Bose:

WBI Energy Transmission, Inc. (WBI Energy), herewith submits responses to the environmental information requests of the Office of Energy Projects of the Federal Energy Regulatory Commission (Commission) received on August 10, 2022 in the above referenced docket.

WBI Energy is also submitting a supplemental response to the Commission's July 6, 2022 environmental information request Resource Report 1 – Request No. 12.

Pursuant to 18 CFR § 385.2010 of the Commission's regulations, copies of responses are being served to each person whose name appears on the official service list for this proceeding.

Any questions regarding this filing should be addressed to the undersigned at (701) 530-1563.

Sincerely,

/s/ Lori Myerchin

Lori Myerchin
Director, Regulatory Affairs and
Transportation Services

Attachments

cc: via email

David Hanobic, FERC Project Manager
Dawn Ramsey, FERC
Official Service List

CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing document upon each person designated on the official service list compiled by the Secretary in this proceeding.

Dated this 19th day of August 2022.

By /s/ Lori Myerchin
Lori Myerchin
Director, Regulatory Affairs and
Transportation Services
WBI Energy Transmission, Inc.
1250 West Century Avenue
Bismarck, ND 58503
Telephone: (701) 530-1563

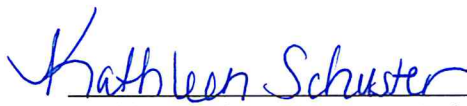
STATE OF NORTH DAKOTA)
COUNTY OF BURLEIGH)

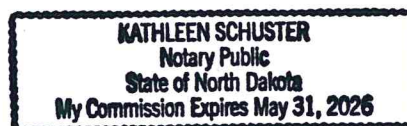
I, Lori Myerchin, being first duly sworn, do hereby depose and say that I am the Director, Regulatory Affairs and Transportation Services for WBI Energy Transmission, Inc.; that I have read the foregoing document; that I know the contents thereof; that I am authorized to execute such document; and that all such statements and matters set forth therein are true and correct to the best of my knowledge, information and belief.

Dated this 19th day of August 2022.

By 
Lori Myerchin
Director, Regulatory Affairs and
Transportation Services

Subscribed and sworn to before me this 19th day of August 2022.


Kathleen Schuster, Notary Public
Burleigh County, North Dakota
My Commission Expires: 5/31/2026



WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's August 10, 2022 Environmental Information Request

Resource Report 1 – Request No. 1

To clarify your response filed on July 26, 2022 (accession number 20220726-5028) regarding the environmental information request for Resource Report (RR) 1 No. 8, confirm whether there would be mixing of topsoil and subsoil for the disposal or incorporation of drilling fluid into soil. Clarify how disposal of drilling fluid into subsoil would qualify as beneficial re-use.

Response:

WBI Energy plans to either mix drilling fluid in with subsoil material or haul drilling fluid away for disposal at a landfill. If drilling fluid is mixed with subsoil material, topsoil will be clearly segregated until the drilling fluid/subsoil materials are mixed and the open excavation is backfilled. Topsoil will then be replaced. Special care will be taken to maintain segregation of topsoil and subsoil/drilling fluid materials and conserve soil fertility to ensure successful revegetation.

The previous Data Request Resource Report 1 No. 8 response states that “any such disposal would be in accordance with Section III.E of FERC’s Plan in compliance with applicable survey, landowner, or land management agency approval and permit requirements.” WBI Energy will determine methods and locations for the regular collection, containment, and disposal of excess drilling fluid and comply with applicable survey, landowner or land management agency approval and permit requirements in accordance with Section III.E; however, WBI Energy does not consider incorporation of drilling fluid into subsoil materials as a beneficial re-use. WBI Energy will ensure that bentonite used as a component of drilling fluid will be ANSI-NSF International Standard 60 certified (see July 26, 2022 response to Resource Report 1 – Request No. 5), with no adverse environmental impacts anticipated.

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
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Response to FERC's August 10, 2022 Environmental Information Request

Resource Report 1 – Request No. 2

Regarding the response for RR 1 No. 11, specify the actual or estimated corridor width to accommodate “the size of the construction and hydrostatic test equipment” and further clarify whether the pathways to access water would be collocated with the pathways for guide wires.

Response:

In general, WBI Energy will attempt to collocate pathways to access water with pathways for guide wires. However, in order to minimize the need for tree clearing in the riparian areas at certain waterbody crossings, there may be instances where tree density will allow for a direct path of guide wire installation, but not for construction and hydrostatic test equipment, which may necessitate deviation from the path for guide wires (but within the construction right-of-way).

While WBI Energy only plans to disturb the area necessary based on the equipment used during construction, for planning purposes and to support conservative estimates in FERC's National Environmental Policy Act review, WBI Energy has estimated that the corridor width may match the construction right-of-way width. This is consistent with acreage impacts presented in the resources reports and July 26, 2022 responses to FERC's July 6, 2022 Environmental Information Request.

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
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Response to FERC's August 10, 2022 Environmental Information Request

Resource Report 3 – Request No. 1

Clarify the response for RR 3 No. 6 to indicate whether “drilling mud produced with water from infested waters” would be mixed with topsoil or subsoil. Further, indicate whether drilling mud “that may be mixed with soil or other materials to backfill trenches” could cause subsidence, erosion control, or other issues along the trench line. Specify what are the referenced “other materials.”

Response:

Drilling mud produced with water from “infested waters” may be mixed in with subsoil (not topsoil – see the response to the August 10, 2022 Resource Report 1 – Request No. 1 above). Because the drilling mud as a percent ratio of the total quantity of mixed soil is so small, there is no expectation of any of the abovementioned issues.

“Other materials” is a broad term intended to address other types of allowable backfill material (e.g., rock) in addition to the soil itself.

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
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Response to FERC's August 10, 2022 Environmental Information Request

Resource Report 3 – Request No. 2

The response for RR 3 No. 8 does not include a discussion of the status of consultation for the whooping crane with the U.S. Fish and Wildlife Service (FWS). Provide the results of any consultation with the FWS for the whooping crane or information why further consultation is not required. Provide a copy of WBI Energy's May 27, 2022 biological assessment sent to the FWS.

Response:

WBI Energy conducted informal consultation with the U.S. Fish and Wildlife Service (USFWS) for species listed for the project area by submitting a determination letter to the agency and requesting its concurrence. A biological assessment was not prepared for the Project. Species addressed during the consultation were identified using the USFWS Information for Planning and Consultation (IPaC) online tool. The IPaC list is included in Attachment C of the determination letter and includes the northern long-eared bat, Dakota skipper, monarch butterfly, Poweshiek skipperling, and western prairie fringed orchid. The whooping crane was not included on the IPaC list dated May 27, 2022 and was therefore not included in the informal consultation with USFWS. No further action is required for the whooping crane for the project.

The whooping crane was included in Resource Report 3 based on a preliminary and unofficial IPaC list obtained for the project in 2021 during the pre-screening process. That unofficial list included the whooping crane and Resource Report 3 was drafted with information on the species. As mentioned above, the current IPaC list does not list the whooping crane for the project area.

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
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Response to FERC's August 10, 2022 Environmental Information Request

Resource Report 5 – Request No. 1

Provide a mailing list of environmental justice stakeholders (e.g.: civic associations; minority business associations; environmental and environmental justice organizations; legal aid providers; homeowners', tenants', and neighborhood watch groups; rural cooperatives; business and trade organizations; community and social service organizations; universities, colleges, vocational and other schools; labor organizations; civil rights organizations; local schools and libraries; senior citizens' groups; public health agencies and clinics; religious organizations; and other places where people gather in the community) in the Project area.

Response:

WBI Energy has developed a mailing list of environmental justice stakeholders which is included as an attachment to this filing. The highlighted rows in the attachment include those stakeholders included in previously filed stakeholder lists.

Attachment

Resource Report 5 Request No. 1 Attachment – Environmental Justice Stakeholder List

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's August 10, 2022 Environmental Information Request

Resource Report 8 – Request No. 1

Clarify regarding response RR 8 No. 1 whether train tracks are present for the historic railroads. Further clarify updated appendix 8D and the narrative response to RR8-1, which both mention three historic railroads (see the narrative for footnote “b” of updated appendix 8D), but only two historic railroads are specifically identified with a footnote “b” in the updated appendix 8D.

Response:

Train tracks are not present for the historic railroads. Initial desktop analysis had indicated the potential presence of three historic railroads which were discussed in RR 8 and appendix 8D. Upon further desktop review and field survey, the project crosses only 2 historic railroads. WBI Energy updated Appendix 8D in response to FERC's July 6, 2022 Environmental Information Request – Resource Report 8 Request No 1 to reflect the 2 historic railroads. WBI Energy inadvertently mentions 3 historic railroads in footnote “b” of the updated Appendix 8D. Footnote “b” is corrected in this response to read “Construction across the **two** historic railroad crossings will be conducted using conventional open-cut methods in accordance with the FERC Plan and other site-specific plans and permits. **Both** crossings are in agricultural lands. Backhoe type excavators will be used to open a trench. Spoil materials excavated from the trench will be placed along the construction ROW, with topsoil and subsoil materials clearly segregated within approved workspace boundaries. A prefabricated segment of pipeline will then be placed into the trench using side-boom tractors. Once the **pipeline** has successfully been installed **below** the historic railroad crossing, the trench will be backfilled, contours will be restored as near as practicable to preconstruction contours, and the site will be stabilized/reclaimed. Stabilization measures may include seeding and installation of erosion control **devices** as appropriate. Each open-cut historic railroad crossing is proposed to be completed and restored within a few days.”

WBI Energy Transmission, Inc.
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Response to FERC's August 10, 2022 Environmental Information Request

Resource Report 9 – Request No. 1

To the extent that WBI Energy may conduct open burning, estimate the emissions of criteria pollutants (NO_x, VOC, CO, SO₂, PM₁₀, PM_{2.5}), total hazardous air pollutants and greenhouse gases including nitrous oxide, methane, carbon dioxide, and carbon dioxide equivalent emissions in tons per year from open burning.

Response:

As stated in Resource Report 9, WBI Energy does not anticipate the need to open burn. However, WBI Energy has included the potential for open burning should the need arise. Therefore, WBI Energy cannot predict with accuracy the locations or amount of open burning that may be conducted.

To address this information request, WBI Energy has conservatively assumed that the construction contractor may open burn brush piles of dead or trimmed tree branches/roots and dry grass/weeds associated with cleared open land or forested land. Based on the construction schedule, vegetation removal will not be necessary on agricultural land.

Emissions have been estimated using available U.S. Environmental Protection Agency (USEPA) emission factors taken from AP 42, Eighth Edition, Volume I Chapter 13.1 Wildfires and Prescribed Burning. The USEPA factors are based on test data and are only provided for particulate matter less than 2.5 microns (PM_{2.5}), particulate matter less than 10 microns (PM₁₀), carbon monoxide (CO), methane and non-methane. The non-methane can be assumed to be volatile organic compounds (VOC). Methane is not considered a VOC but it is a greenhouse gas. The emission calculations are attached to this filing.

Attachment

Resource Report 9 Request No. 1 Attachment – Open Burning Emission Estimates

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
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Response to FERC's August 10, 2022 Environmental Information Request

Resource Report 9 – Request No. 2

WBI Energy estimates that the Sheyenne River guided bore may take between 4 and 6 days to complete, and predicts that noise from the guided bore would exceed an Ldn of 55 decibel(s) on the A-weighted scale (dBA) at the nearest noise-sensitive area (NSA), resulting in a noise increase of as much as 14.9 decibels above existing ambient noise levels, which is perceived by the human ear as well more than a doubling of noise. Describe the noise mitigation measures that WBI Energy would implement in an effort to reduce noise attributable to the Sheyenne River guided bore operations to no more than an Ldn of 55 dBA at the nearest NSA.

Response:

Per FERC's January 2017 Guidance Manual for Environmental Report Preparation, Section 4.9.2.3, Subheading HDD, Direct Pipe Installation, Well Drilling, and Nighttime Construction, "for short-duration nighttime construction (under 1 week), describe any alternative measures, such as temporary relocation or compensation, proposed to minimize noise impacts on the area residents."

WBI Energy's Resource Reports indicate the Guided Bore at the Sheyenne River may take between 4 and 6 days, which is less than 1 week. Therefore, WBI Energy previously committed to offering compensation or temporary relocation as mitigation, consistent with FERC's guidance manual. WBI Energy continues to commit to offering compensation or temporary relocation as mitigation for the Sheyenne River Guided Bore.

WBI Energy Transmission, Inc.
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Response to FERC's August 10, 2022 Environmental Information Request

Resource Report 11 – Request No. 1

To supplement WBI Energy's response to FERC's July 6, 2022 Environmental Information Request, Resource Report 11, No. 2, specify the increase in pipe wall thickness, relative to other Project pipeline sections, WBI would require for portions of the proposed Project pipeline within Moderate Consequence Areas, in compliance with the U.S. Department of Transportation's regulations at 49 CFR 192.710.

Response:

WBI Energy plans to use 0.250-inch wall thickness pipeline for the mainline pipe, 0.312-inch wall thickness pipeline for guided bore pipe, 0.375-inch wall thickness pipe for station piping, and 0.500-inch wall thickness pipe for Moderate Consequence Areas.

WBI Energy Transmission, Inc.
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Supplemental Response to FERC's July 6, 2022 Environmental Information Request

Resource Report 1 – Request No. 12

File periodic updates to table 1.8-1 as permits are filed or received.

Response:

An updated table 1.8-1 is included below. A copy of the Federal Aviation Agency (FAA) No Hazard Determination Letters have been included as an attachment to this filing (see Resource Report 1 Request No. 12 Attachment – FAA Determination Letters).

<p style="text-align: center;">TABLE 1.8-1 Wahpeton Expansion Project Environmental Permits, Approvals, and Consultations</p>			
Agency	Permit/Approval/Consultation	Anticipated Submittal Date	Anticipated Approval Date
Federal			
FERC	Certificate under Section 7(c) of the Natural Gas Act	May 27, 2022*	July 2023
United States Army Corps of Engineers—Omaha District	Section 404 permit for discharges of dredged or fill material into waters of the United States, including jurisdictional wetlands via Nationwide Permit 12.	May 31, 2022*	November 2022
United States Fish and Wildlife Service—Region 6—North Dakota Field Office and United States Fish and Wildlife Service—Valley City and Tewaukon Wetland Management District	Informal consultations for impacts on federally listed threatened and endangered species and critical habitat under Section 7 of the Endangered Species Act, the Migratory Bird Treaty Act, the Bald and Gold Eagle Protection Act, and the Fish and Wildlife Coordination Act; consultation for impacts on federal conservation easements for grasslands and wetlands	May 27, 2022*	June 29, 2022*
United States Department of Agriculture, Natural Resources Conservation Service—North Dakota	Consultations regarding erosion and sedimentation controls and seed mixes and Agricultural Conservation Easement Program	January 2022*	February 2022*
Federal Aviation Agency	Hazard Determination—MDU—Kindred Border Station site operation and temporary construction crane usage	Revised Application May 23, 2022*	August 8 2022*
North Dakota			
North Dakota Department of Environmental Quality, Division of Water Quality	General Permit for Construction Stormwater Discharge under the National Pollutant Discharge Elimination System	February 2024	April 2024
	General Permit for Construction Dewatering and Discharge of Hydrostatic Test Water under the National Pollutant Discharge Elimination System	February 2024	April 2024
North Dakota State Water Commission	Navigable Water Crossing Permit under North Dakota Century Code Chapter 61–33 (Sovereign Lands)	October 2023	February 2024
	Temporary Water Permit—Water appropriation permit for withdrawals associated with hydrostatic test water and drilling mud		
North Dakota Department of Game and Fish	Consultation for impacts on fisheries and wildlife	May 2022	June 2022

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Supplemental Response to FERC's July 6, 2022 Environmental Information Request

<p style="text-align: center;">TABLE 1.8-1 Wahpeton Expansion Project Environmental Permits, Approvals, and Consultations</p>			
Agency	Permit/Approval/Consultation	Anticipated Submittal Date	Anticipated Approval Date
	Approval to use water from designated waters of the state known to be infested with aquatic nuisance species	February 2024	March 2024
North Dakota Parks and Recreation Department	Consultation under the North Dakota Natural Heritage Program	September 2021*	January 2022*
State Historical Society of North Dakota	Consultation for impacts on historic properties under Section 106 of the National Historic Preservation Act	August 2022	December 2022
North Dakota Department of Transportation	Utility Crossing permits for state highway right-of-way	January 2024	March 2024
Local and County			
Cass and Richland Counties	County Road, Section Line, Building and above ground facilities, and Legal Drain Crossing Permits	January 2024	March 2024
BNSF Railway Company	Railroad Crossing Permits	January 2024	March 2024
Red River Valley and Western Railroad	Railroad Crossing Permits	January 2024	March 2024
Cass County—Mapleton Township	Conditional Use Permit and Floodplain Permit	January 2024	April 2024
Cass County—Normanna Township	Building Permit and Floodplain Permit	January 2024	April 2024

* - Actual submittal or received date

Attachment

Resource Report 1 Request No. 12 Attachment – FAA Determination Letters

ENVIRONMENTAL INFORMATION REQUEST RESPONSE ATTACHMENTS

Resource Report 1 Request No. 12 Attachment

FAA Determination Letters



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2022-AGL-11834-OE

Issued Date: 08/08/2022

Stephanie Gooch
ERM
1155 Perimeter Center West
c/o WeWork
Atlanta, GA 30346

****DETERMINATION OF NO HAZARD TO AIR NAVIGATION FOR TEMPORARY STRUCTURE****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Mobile Crane Kindred Valve Site #3 Temp Construction Crane
Location:	Kindred, ND
Latitude:	46-38-39.00N NAD 83
Longitude:	96-58-41.00W
Heights:	942 feet site elevation (SE) 100 feet above ground level (AGL) 1042 feet above mean sea level (AMSL)

This aeronautical study revealed that the temporary structure does exceed obstruction standards but would not be a hazard to air navigation provided the condition(s), if any, in this letter is (are) met:

****SEE ATTACHMENT FOR ADDITIONAL CONDITION(S) OR INFORMATION****

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of a structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination did not include an evaluation of the permanent structure associated with the use of this temporary structure. If the permanent structure will exceed Title 14 of the Code of Federal Regulations, part 77.9, a separate aeronautical study and FAA determination is required.

This determination concerns the effect of this temporary structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Aviation Administration Flight Procedures Office if the structure is subject to the issuance of a Notice To Airman (NOTAM).

If you have any questions, please contact our office at (847) 294-7458, or fred.souchet@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-AGL-11834-OE

Signature Control No: 532499028-547051019

(TMP)

Fred Souchet
Specialist

Additional Condition(s) or Information for ASN 2022-AGL-11834-OE

Proposal: To construct and/or operate a(n) Mobile Crane to a height of 100 feet above ground level, 1042 feet above mean sea level.

Location: The structure will be located 0.91 nautical miles east of K74 Airport reference point.

Part 77 Obstruction Standard(s) Exceeded and Aeronautical Impacts, if any:

At 1042 AMSL, 4D, Robert Odegaard FLD (K74) Kindred, ND. Obstacle penetrates RWY 12 40:1 departure surface. NOTE: RWY 11, CRANE MOBILE 3776 feet from departure end of runway, 1011 feet LEFT of centerline.

Based on this aeronautical study, the structure would not constitute a substantial adverse effect on aeronautical operations or procedures because it will be temporary. The temporary structure would not be considered a hazard to air navigation provided all of the conditions specified in this determination are strictly met.

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 M, Obstruction Marking and Lighting, flags/red lights-Chapters 3(Marked),4,5(Red),14(Temporary),&15.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

As a condition to this determination, the temporary structure must be lowered to the ground when not in use and during the hours between sunset and sunrise.

It is required that the FAA be notified 3 business days prior to the temporary structure being erected and again when the structure is removed from the site. Notification should be made to this office through your registered e-filing account. Notification is necessary so that aeronautical procedures can be temporarily modified to accommodate the structure.

NOTIFICATION IS REQUIRED AGAIN THROUGH YOUR REGISTERED E-FILING ACCOUNT WHEN THE TEMPORARY STRUCTURE IS REMOVED FROM THE SITE FOR NOTICE TO AIRMAN (NOTAM) CANCELLATION.

It is required that the manager of ROBERT ODEGAARD FLD, (701) 367-6710 be notified at least 3 business days prior to the temporary structure being erected and again when the structure is removed from the site.

This determination expires on 02/08/2023 unless extended, revised, or terminated by the issuing office.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2022-AGL-11833-OE

Issued Date: 08/08/2022

Stephanie Gooch
ERM
1155 Perimeter Center West
c/o WeWork
Atlanta, GA 30346

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Kindred Border Station Value Site #3
Location:	Kindred, ND
Latitude:	46-38-39.68N NAD 83
Longitude:	96-58-41.02W
Heights:	942 feet site elevation (SE) 13 feet above ground level (AGL) 955 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

☐ At least 10 days prior to start of construction (7460-2, Part 1)
☒ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

This determination expires on 02/08/2024 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within

6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (847) 294-7458, or fred.souchet@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-AGL-11833-OE.

Signature Control No: 532490765-547051081

(DNE)

Fred Souchet
Specialist

Attachment(s)
Map(s)



Resource Report 5 Request No. 1 Attachment

Environmental Justice Stakeholder List

Contact_Name	Leave_Blank	Contact_Title	Contact_Organization	PO_Box	Address1	Address2	City	Zip1	Zip2	State	Docket	Email
Tim Sumner		School Board Chair	Circle of Nations School		832 8th Street North		Wahpeton	58075		ND		
Justin Gray Hawk		School Board Vice Chair	Circle of Nations School		833 8th Street North		Wahpeton	58075		ND		
Myrna Thompson		School Board	Circle of Nations School		834 8th Street North		Wahpeton	58075		ND		
Charmayne Bohanon		School Board	Circle of Nations School		835 8th Street North		Wahpeton	58075		ND		
Joe White Mountain Jr.		School Board	Circle of Nations School		836 8th Street North		Wahpeton	58075		ND		
Shavonne Wilkie		School Board	Circle of Nations School		837 8th Street North		Wahpeton	58075		ND		
Scott Skolos		Executive Director	Dakota Resource Council		1720 burnt Boat Dr. Suite 104		Bismarck	58503		ND		info@drinfo.com
Dana Hager		Executive Director	Economic Development Association of North Dakota	PO Box 1091			Bismarck	58502		ND		jasrael@cleanwaterscommunications.net
Tifanie Gellinske		Senior Vice President of Workforce Development	Fargo Moorhead Economic Development		51 Broadway North	Suite 500	Fargo	58102		ND		tgellinske@fmedc.com
Sandi Platz		Chair	Fargo Moorhead West Fargo Chamber of Commerce		202 First Ave N		Moorhead	56560		MN		
Tim Dirks		Director	Fargo Public Library		102 3rd St. N.		Fargo	58102		ND		
Arik Spencer		President and CEO	Greater North Dakota Chamber of Commerce	PO Box 2639			Bismarck	58502		ND		arik@ndchamber.com
Mark D. Hager		International Vice President	IBEW 11th District		6601 Winchester Ave.	Suite 150	Kansas City	64133		MO		IVPD_11@IBEW.org
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Kara Hendrickson		School Board Member	Mapleton School District		300 1st St.		Mapleton	58059		ND		
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Michelle Nelson		School Board Director	Richland School District 37		2021 11th St N		Wahpeton	58074		ND		
Ginny Buck		School Board Director	Richland School District 37		2021 11th St N		Wahpeton	58074		ND		
Mike Hauschild		School Board Director	Richland School District 37		2021 11th St N		Wahpeton	58074		ND		
Jake Kubela		School Board Director	Richland School District 37		2021 11th St N		Wahpeton	58074		ND		
Brad Bakken		School Board Director	Richland School District 37		1021 11th St N		Wahpeton	58075		ND		
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Kathy Dimmer		School Board Director	Richland School District 37		1021 11th St N		Wahpeton	58075		ND		
Michael Kaiser		Superintendent	Richland School District 37		1022 11th St N		Wahpeton	58075		ND		
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Nicole Holdman		School Board Member	Richland School District 44		101 Main Ave		Coffax	58018		ND		
Todd Johnson		School Board Member	Richland School District 44		101 Main Ave		Coffax	58018		ND		
Jody Lingen		School Board Member	Richland School District 44		101 Main Ave		Coffax	58018		ND		
Amy Lehmann		School Board Member	Richland School District 44		101 Main Ave		Coffax	58018		ND		
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Resource Report 9 Request No. 1 Attachment

Open Burning Emission Estimates

Wahpeton Expansion Project Prescribed Burning

Note: Prescribed burning as a tool for vegetation removal or field clearing is not planned but if circumstances necessitate the emissions from such activities have been estimated.

Vegetation Type	Area (acres)	Average Fuel Loading ¹ (tons/acre)	Total Tons Potentially Burned	Total Kilograms Potentially Burned	Emission Factors ²					Emissions					
					CO	PM _{2.5}	PM ₁₀	TOC	Methane	CO	PM _{2.5}	PM ₁₀	TOC	Methane	CO _{2e} ³
					(g/kg)	(g/kg)	(g/kg)	(g/kg)	(g/kg)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)
Open land/grass land	12.1	60	726	658,613	75.0	ND ³	10.0	0.0	ND	54.45	---	7.26	0.00	---	---
Forested land	1.7	60	102	92,532	37.0	4.0	4.0	ND	8.7	3.77	0.41	0.41	---	0.89	22.18
Agriculture land	0.0	NA	0.0	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total										58.22	0.41	7.67	0.00	0.89	22.18

Conversion Factors	
g/lb	454
tons/kilogram	907
lb/ton	2,000

Notes

¹ Estimation of Fuel per Acre from AP-42 Table 13.1-1, Region 1 Northern, October 1996

² Emission factors from AP-42 Table 13.1-3 Emission Factors for Prescribed Burning factors for logging slash debris used for forested land and grasslands factors used for open land/grass land. No factors for agricultural lands. October 1996.

³ The global warming potential of methane is 25. The methane value is multiplied by 25 to obtain the carbon dioxide equivalent value.

NA = Not applicable

ND=Non detect in tests used as basis for emission factor development