



14 November 2019

**CROSSROADS LANDFILL**

P.O. Box 629  
357 Mercer Road  
Norridgewock, ME 04957  
(207) 634-2714  
(207) 634-4519 Fax

Ms. Linda J. Butler  
Environment Services Specialist III  
Maine Department of Environment Protection (MEDEP)  
Bureau of Remediation and Waste Management  
17 State House Station  
Augusta, ME 04333-0017

Re: Waste Management Disposal Services of Maine, Inc. – Crossroads Landfill (WMDSM)  
Supplemental Information for Solid Waste Permit Application (#S-10735-WD-YB-N)  
Proposed Phase 14 Landfill

Dear Ms. Butler:

Pursuant to your request, please find enclosed the Federal Aviation Administration (FAA) Determinations of No Hazard to Air Navigation for the proposed Phase 14 landfill at WMDSM in Norridgewock, Maine. The attached determinations are supplemental to information previously provided within Volume 1, Section 7 (Existing Uses and Scenic Character) of the Phase 14 Solid Waste Permit Application. This application was submitted to the MDEP on October 25, 2019.

Please free to contact me should you have any questions or require further information.

Sincerely,

Waste Management Disposal Services of Maine, Inc. – Crossroads Landfill

Sherwood A. McKenney  
District Engineer

- cc. Jeffrey McGown - WMDSM (w/o enclosure)  
Kathy Tarbuck - MEDEP (w/o enclosure)  
Richard Labelle - Town Manager (w/ electronic enclosure)  
Peter Richer - Waste Management Foxboro (w/o enclosure)  
Steve Poggi - Waste Management Hampton (w/o enclosure)  
Scott Luettich - Geosyntec (w/o enclosure)  
Juliet Browne - Verrill (w/ enclosure)

file: Phase 14 Solid Waste Permit Application - FAA Correspondence

*From everyday collection to environmental protection, Think Green® Think Waste Management.*



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

Aeronautical Study No.  
 2019-ANE-5657-OE

Issued Date: 11/12/2019

Jeffery McGown  
 Waste Management Disposal Services of Maine  
 357 Mercer Road, P.O. Box 629  
 Norridgewock, ME 04957

**\*\* 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: Landfill LF1  
 Location: Norridgewock, ME  
 Latitude: 44-42-55.79N NAD 83  
 Longitude: 69-50-05.44W  
 Heights: 296 feet site elevation (SE)  
 17 feet above ground level (AGL)  
 313 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 L Change 2.

This determination expires on 05/12/2021 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 (202) 267-0105, or [j.garver@faa.gov](mailto:j.garver@faa.gov). On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2019-ANE-5657-OE.

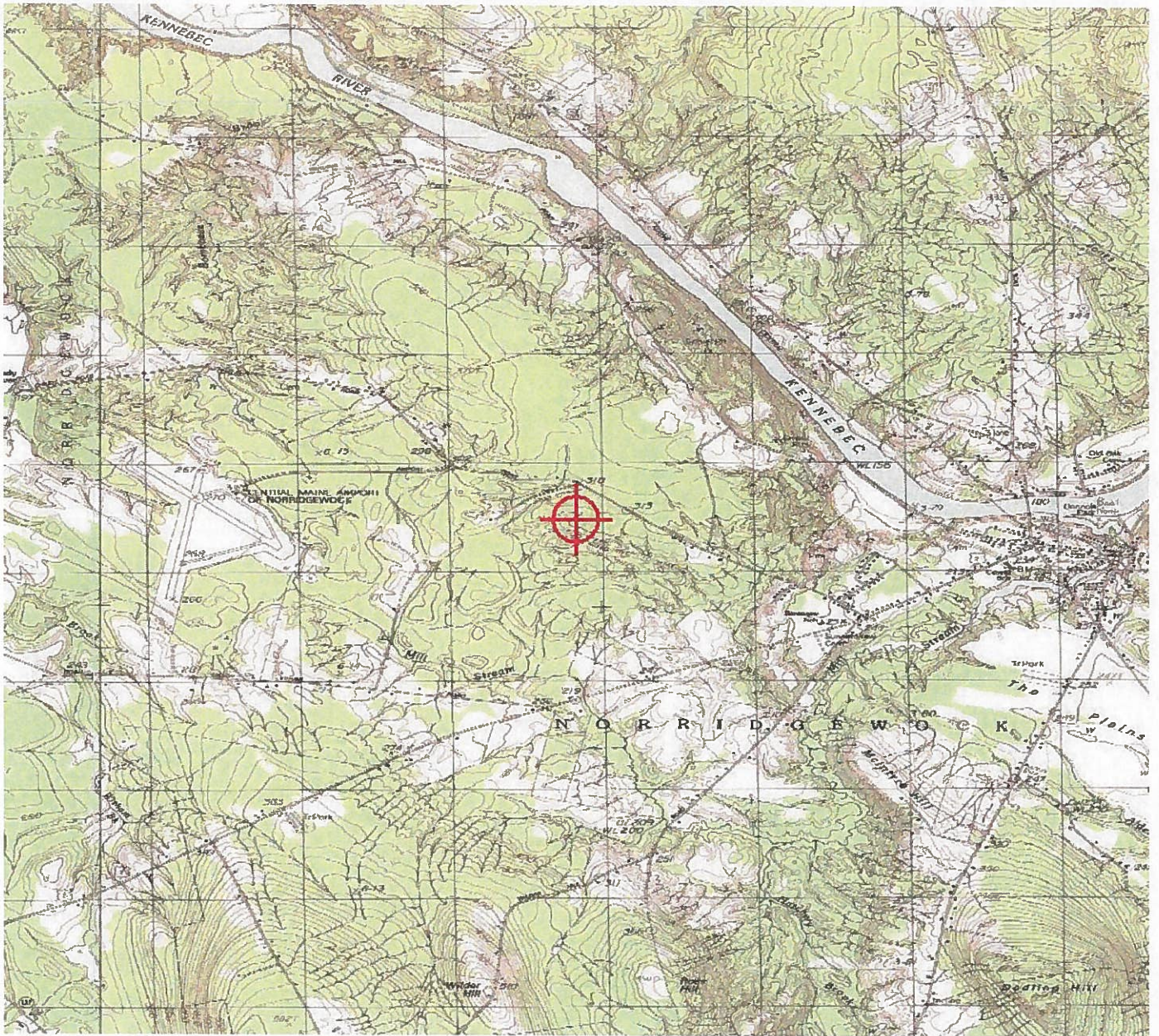
**Signature Control No: 418938791-422494887**

Jay Garver  
Specialist

( DNE )

Attachment(s)  
Map(s)

TOPO Map for ASN 2019-ANE-5657-OE





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

Aeronautical Study No.  
2019-ANE-5658-OE

Issued Date: 11/12/2019

Jeffery McGown  
Waste Management Disposal Services of Maine  
357 Mercer Road, P.O. Box 629  
Norridgewock, ME 04957

**\*\* 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:	Landfill LF2
Location:	Norridgewock, ME
Latitude:	44-42-43.88N NAD 83
Longitude:	69-49-45.98W
Heights:	284 feet site elevation (SE) 29 feet above ground level (AGL) 313 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)

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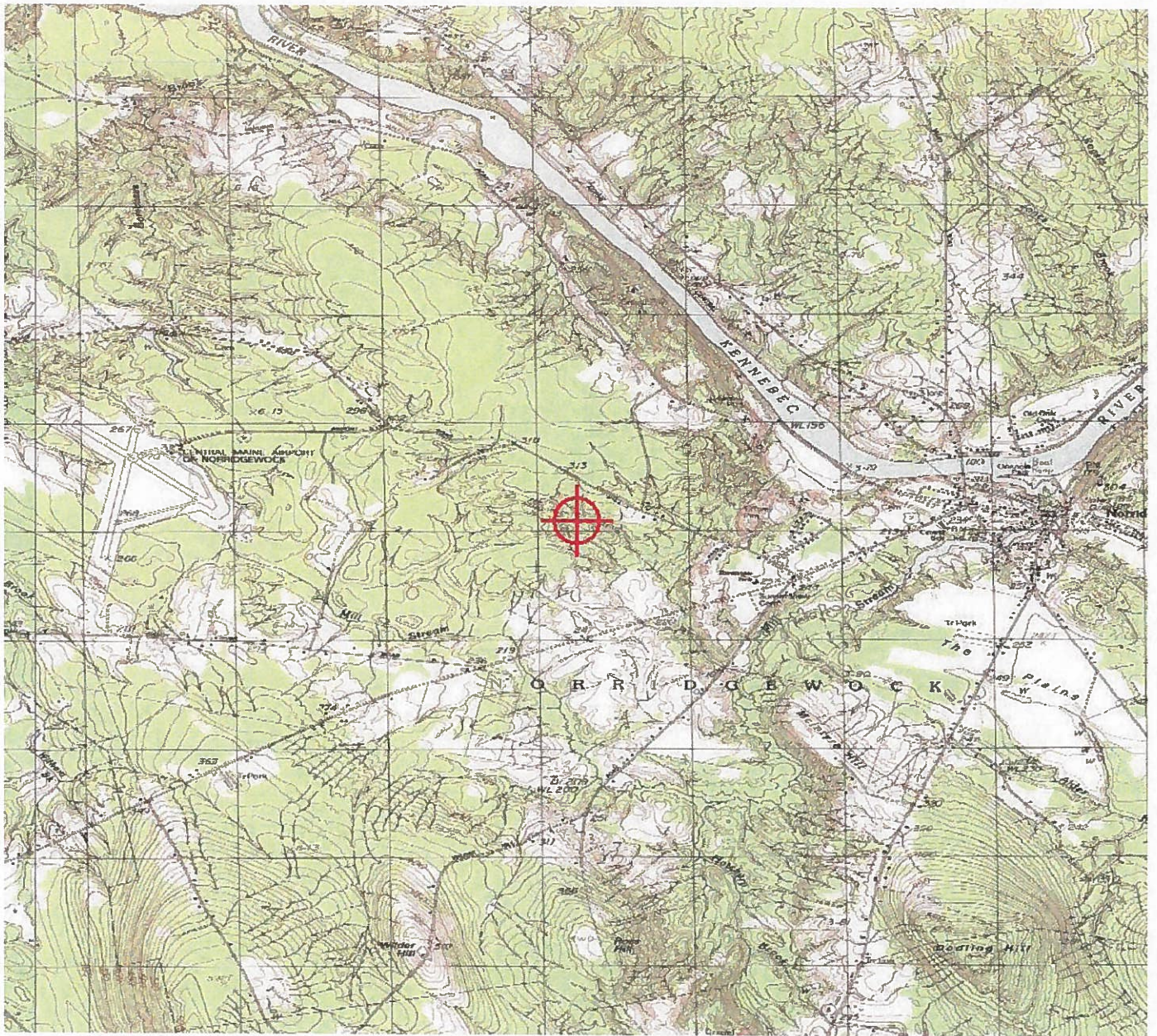
**Signature Control No: 418938792-422494885**

( DNE )

Jay Garver  
Specialist

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Jeffery McGown  
 Waste Management Disposal Services of Maine  
 357 Mercer Road, P.O. Box 629  
 Norridgewock, ME 04957

**\*\* 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:	Landfill LF3
Location:	Norridgewock, ME
Latitude:	44-42-37.37N NAD 83
Longitude:	69-49-54.12W
Heights:	282 feet site elevation (SE) 31 feet above ground level (AGL) 313 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 L Change 2.

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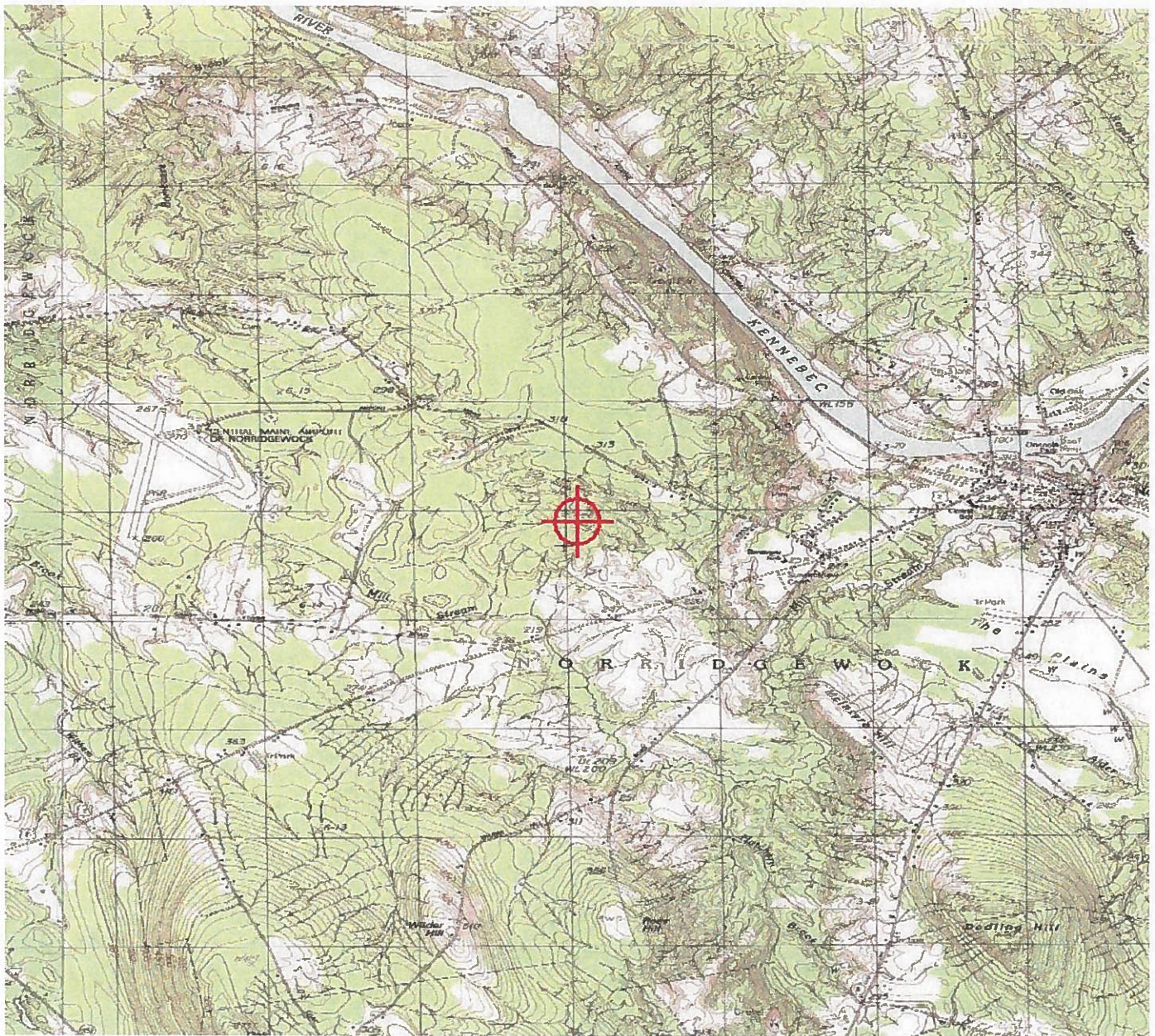
**Signature Control No: 418938793-422494884**

Jay Garver  
Specialist

( DNE )

Attachment(s)  
Map(s)

TOPO Map for ASN 2019-ANE-5659-OE





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

Aeronautical Study No.  
 2019-ANE-5660-OE

Issued Date: 11/12/2019

Jeffery McGown  
 Waste Management Disposal Services of Maine  
 357 Mercer Road, P.O. Box 629  
 Norridgewock, ME 04957

**\*\* 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: Landfill LF4  
 Location: Norridgewock, ME  
 Latitude: 44-42-45.79N NAD 83  
 Longitude: 69-50-14.74W  
 Heights: 282 feet site elevation (SE)  
 31 feet above ground level (AGL)  
 313 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)

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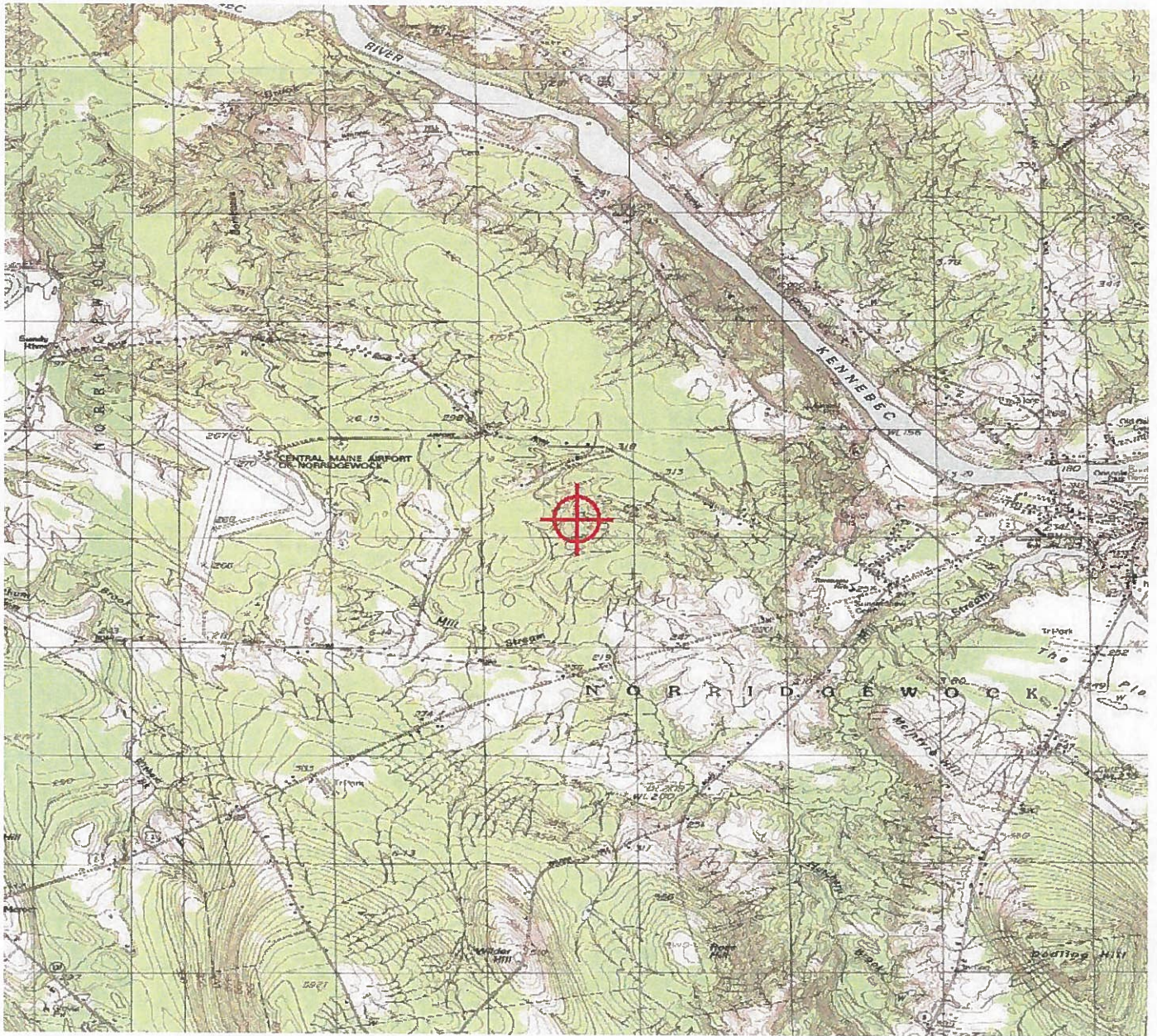
**Signature Control No: 418938795-422494886**

( DNE )

Jay Garver  
Specialist

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Map(s)

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 Fort Worth, TX 76177

Aeronautical Study No.  
 2019-ANE-5661-OE

Issued Date: 11/12/2019

Jeffery McGown  
 Waste Management Disposal Services of Maine  
 357 Mercer Road, P.O. Box 629  
 Norridgewock, ME 04957

**\*\* 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: Landfill LF5  
 Location: Norridgewock, ME  
 Latitude: 44-42-52.04N NAD 83  
 Longitude: 69-50-13.62W  
 Heights: 285 feet site elevation (SE)  
 28 feet above ground level (AGL)  
 313 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:

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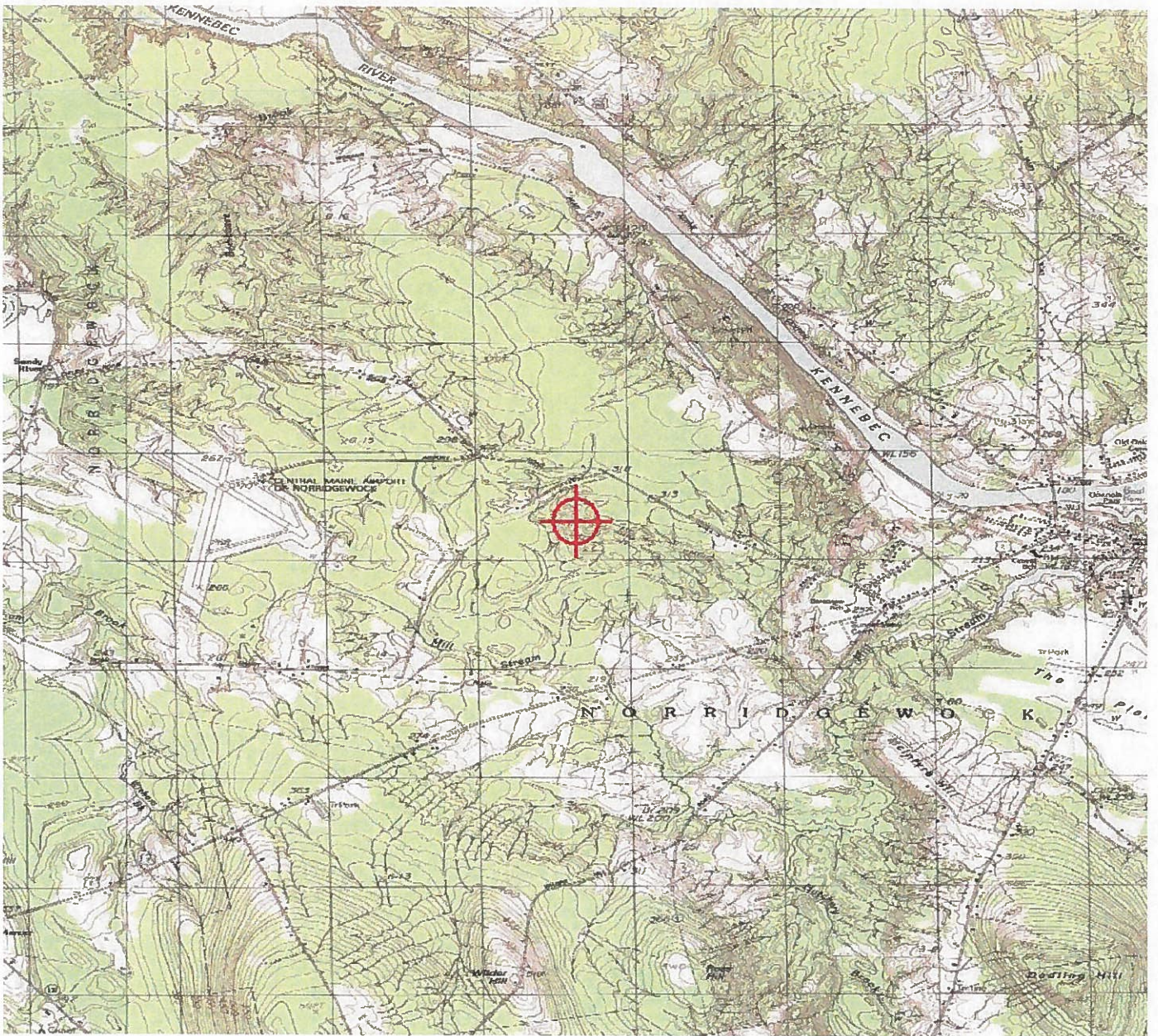
**Signature Control No: 418938796-422494890**

( DNE )

Jay Garver  
Specialist

Attachment(s)  
Map(s)

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 10101 Hillwood Parkway  
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Issued Date: 11/12/2019

Jeffery McGown  
 Waste Management Disposal Services of Maine  
 357 Mercer Road, P.O. Box 629  
 Norridgewock, ME 04957

**\*\* 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: Landfill LF6  
 Location: Norridgewock, ME  
 Latitude: 44-42-46.56N NAD 83  
 Longitude: 69-50-01.94W  
 Heights: 290 feet site elevation (SE)  
 180 feet above ground level (AGL)  
 470 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:

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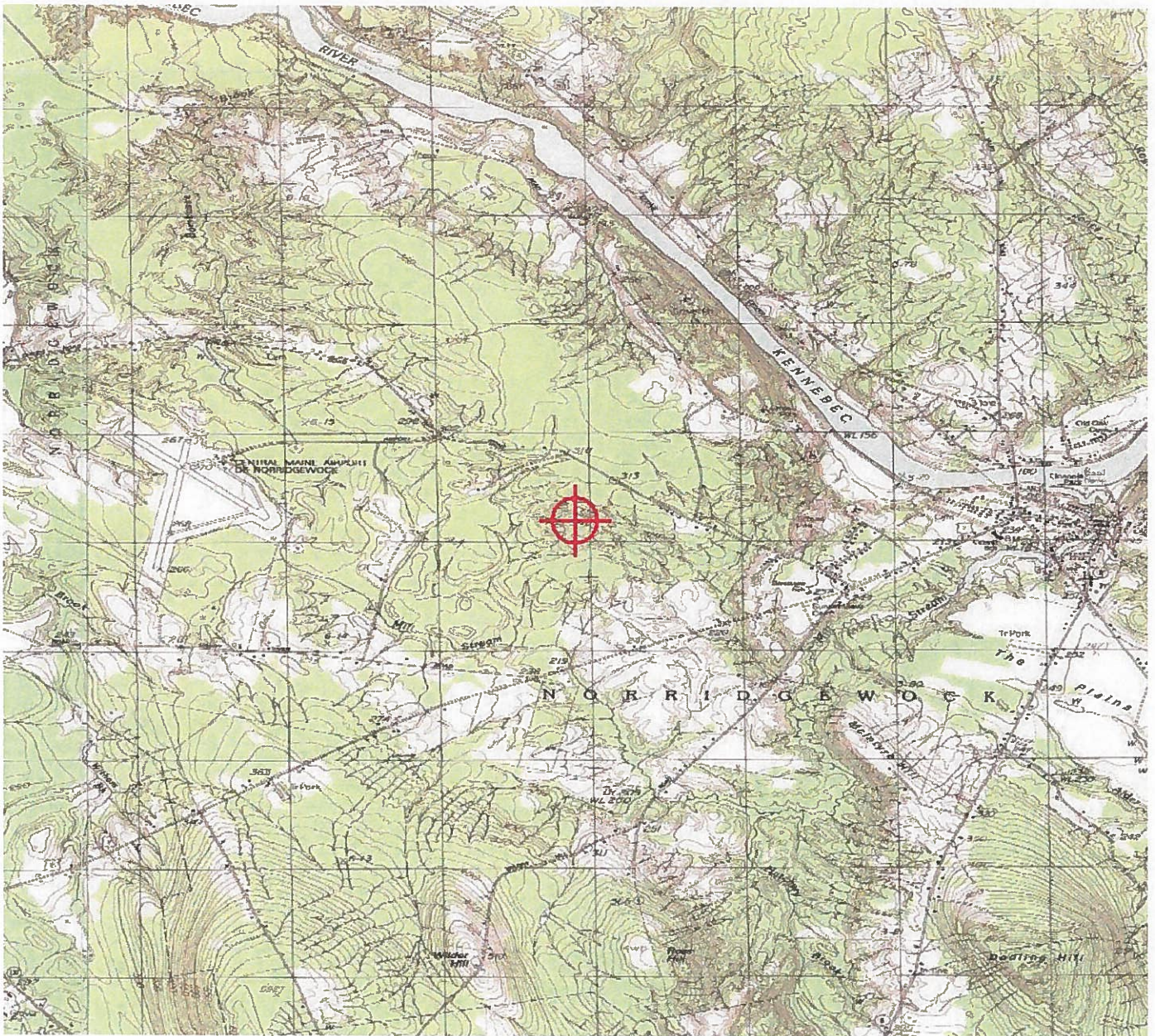
**Signature Control No: 418938797-422494891**

( DNE )

Jay Garver  
Specialist

Attachment(s)  
Map(s)

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**\*\* 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:	Landfill LF7
Location:	Norridgewock, ME
Latitude:	44-42-49.29N NAD 83
Longitude:	69-50-05.04W
Heights:	291 feet site elevation (SE) 169 feet above ground level (AGL) 460 feet above mean sea level (AMSL)

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- (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 (202) 267-0105, or [j.garver@faa.gov](mailto:j.garver@faa.gov). On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2019-ANE-5663-OE.

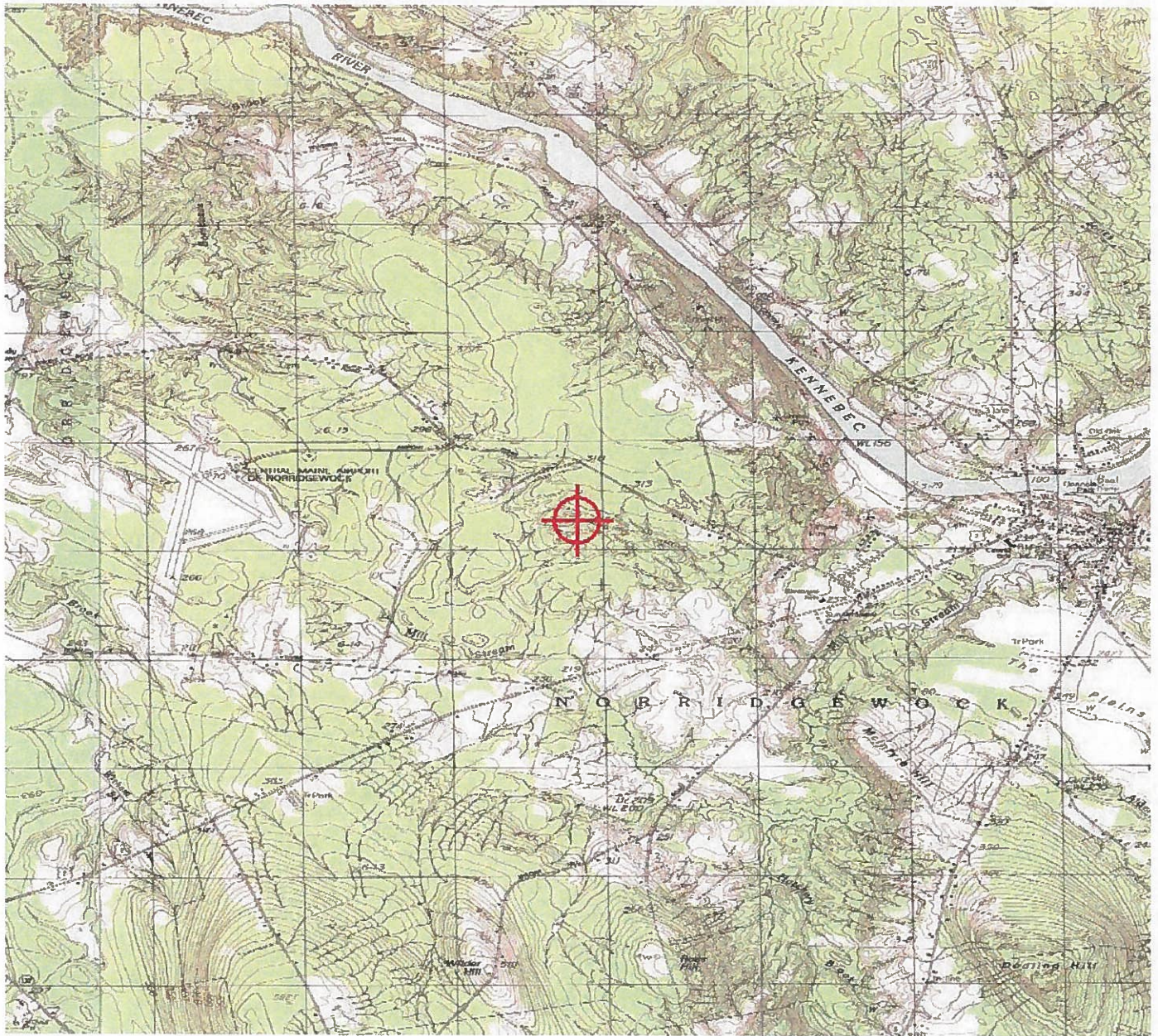
**Signature Control No: 418938798-422494888**

( DNE )

Jay Garver  
Specialist

Attachment(s)  
Map(s)

TOPO Map for ASN 2019-ANE-5663-OE





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

Aeronautical Study No.  
 2019-ANE-5664-OE

Issued Date: 11/12/2019

Jeffery McGown  
 Waste Management Disposal Services of Maine  
 357 Mercer Road, P.O. Box 629  
 Norridgewock, ME 04957

**\*\* 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: Landfill LF8  
 Location: Norridgewock, ME  
 Latitude: 44-42-43.30N NAD 83  
 Longitude: 69-49-54.75W  
 Heights: 292 feet site elevation (SE)  
 168 feet above ground level (AGL)  
 460 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 L Change 2.

This determination expires on 05/12/2021 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.

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If we can be of further assistance, please contact our office at (202) 267-0105, or [j.garver@faa.gov](mailto:j.garver@faa.gov). On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2019-ANE-5664-OE.

**Signature Control No: 418938800-422494892**

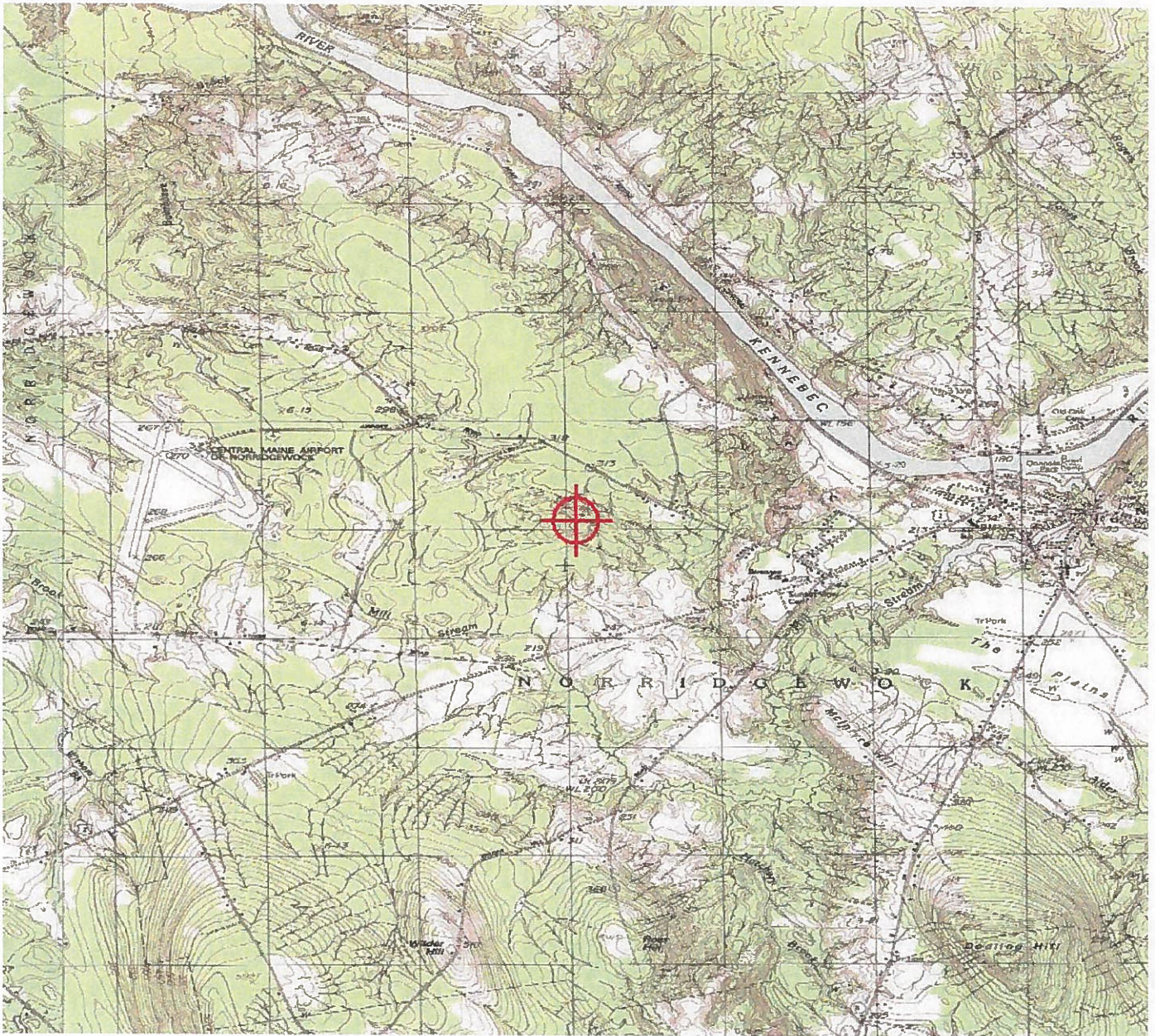
( DNE )

Jay Garver  
Specialist

Attachment(s)  
Map(s)



TOPO Map for ASN 2019-ANE-5664-OE





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

Aeronautical Study No.  
2019-ANE-5665-OE

Issued Date: 11/12/2019

Jeffery McGown  
Waste Management Disposal Services of Maine  
357 Mercer Road, P.O. Box 629  
Norridgewock, ME 04957

**\*\* 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:	Landfill LF9
Location:	Norridgewock, ME
Latitude:	44-42-47.64N NAD 83
Longitude:	69-50-06.92W
Heights:	286 feet site elevation (SE) 174 feet above ground level (AGL) 460 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 L Change 2.

This determination expires on 05/12/2021 unless:

- the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
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- 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.

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If we can be of further assistance, please contact our office at (202) 267-0105, or [j.garver@faa.gov](mailto:j.garver@faa.gov). On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2019-ANE-5665-OE.

**Signature Control No: 418938801-422494889**

Jay Garver  
Specialist

( DNE )

Attachment(s)  
Map(s)

TOPO Map for ASN 2019-ANE-5665-OE

