



February 19, 2019

Reply to Attn of: 250

TO: 221/ Jerome Butler

FROM: 250/Senior Environmental Engineer

SUBJECT: Environmental Evaluation for the Building 25 NOAA Antenna and N154 suite for Deconstruction (Antenna) and return to NASA

The Facilities Management Division requested an environmental evaluation of Building 25 NOAA Antenna and N154 suite be conducted by the Medical and Environmental Management Division in preparation for removal and deconstruction of the antenna and return of property to NASA. The evaluation was performed by conducting a visual inspection of the property and completing a review of environmental records. There are several standard environmental risks related to the antenna facility require management during the deconstruction process.

The MEMD environmental evaluation checklist is enclosed. The checklist includes information that may be useful in completing the Federal Title V Property Survey - Federal Property Information Checklist.

Site Overview

Building 25 NOAA Antenna was designed in 1998 and subsequently constructed.

Conclusion

There are a number of environmental standard risks associated with the deconstruction of antenna. Identified risks are:

1. Standard building items with materials of concern will need to be properly managed in decommissioning (e.g., fluorescent lamps, thermostats, lamp ballasts, door closures);
2. Proper disposal of smoke detectors needs to be verified with the Safety Division, Code 360;
3. UPSs require proper disassembly and relocation for reuse or properly documented disposal of batteries;
4. Fire suppression materials will require proper removal and dispositioning;
5. Removal of utility infrastructure back to the appropriate juncture to minimize future maintenance and facility costs: water, electric, and sanitary sewer.

6. All potential hazardous waste disposal must be coordinated with the MEMD, Code 250 but requires disposal under the authority and name of NOAA.
7. All non-NASA property and equipment must be removed and properly dispositioned by the owning Agency.

If you have any questions please feel free to call me, 301-286-4693.

A handwritten signature in black ink, appearing to read "Phillip J. Nessler, Jr.", written in a cursive style.

Phillip J. Nessler, Jr

Enclosures

Cc: 220/RPAO

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Section I - MEMD Assessment

1. *Scope of review (i.e. description and boundaries of property to be reviewed):* NOAA Goes Back up ground station located at Building 25. Includes antenna site and the N154 suite within building 25.
2. *Obtain preliminary site plan (attach to report):* Full size relevant drawings have been obtained (WR#7136; GA1-25-00466, 00467, 00472, 26904, 26902, 00483)
3. *Describe and summarize the results of historical records review. (relevant historical records include but not limited to ASTM Phase I, ESA, spill report with remaining contamination, tank and well closure records),*
 - a. *Instructions: Perform a review of related E-10 files (building specific, tank, well), spill records and permits. List the documents that should be include with this report and summarize their significance or value.* No relevant records have been identified.
4. *Perform site visit (to collect information and resolve the following questions)*

Items to assess during site visit include (each section below document environmental related issues and actions needed, “**no environmental issues or actions**” is an appropriate response):

- a. *Photo document the site (landscape view and appropriate detailed views):* Photos obtained of site
 - b. *Facility contents (supplies, material (HM/HW) and user equipment that may result in material waste pickup/cleanout or personal property evaluation):* Facility has control and support equipment for a large antenna dish. Dish drive is mechanical.
 - c. *Materials of concern in construction:*

Potential for standard items (e.g., fluorescent lamps, thermostats, lamp ballasts, door closures, etc)
Oil and lube, in door closures and equipment
Freon and other ODS refrigerants
“Asbestos-Containing Materials – Refer to 220 Facilities Asbestos Coordinator”
“If smoke detectors are present Project Manager should consult with Code 360”
Fire suppressant must be properly removed and recovered/disposed
UPS batteries must be properly removed and recovered.
 - d. *Tanks (All tanks should be noted: fuel oil, water and other):* There was no evidence of tanks associated with the facility and activities.
 - e. *Sanitary waste (how is sanitary waste managed? - septic system, POTW, etc.):* There was no evidence of issues related to sanitary waste.
 - f. *Potable water supply (Impact on infrastructure design – e.g. reduction in flow could reduce end point free available chlorine):* Potable water supply, if present, must be removed back to appropriate junction and capped.
 - g. *Utilities – general:* Remove all utilities back to junction and secure appropriately. Consideration needs to be given to long-term maintenance costs when deciding to leave any utilities in place. Code 227 must be involved in decision to leave utilities in place.
5. *Regulatory compliance of planned future operations (evaluate impacts to permits, reporting, future NASA operations)*
 - a. Environmental – No issues were identified.
Waste - No issues were identified.
Water (Sanitary, Storm) - No issues were identified.
Air - No issues were identified.

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NEPA

- b. CERCLA/RCRA (outdoors) - No issues were identified.
 - c. Cultural and historic resources - "The Center Historical Preservation Officer must be consulted to determine the impact of culture and historical resources requirements."
 - d. Ecological resources - No issues were identified.
Wetlands - No issues were identified.
Endangered species - No issues were identified.
6. *Is property being turned over to GSA? If yes complete GSA checklist items. Appendix X at the same time as Section II. - NO*

Section II - Federal Title V Property Survey - Federal Property Information Checklist (Rev. 11/89) Question 12 Property Checklist - while performing the assessment the following questions need to be answered for all building disposal actions.

Item	Description
A	Is the property subject to contamination by toxic or hazardous materials or waste? <input type="checkbox"/> YES (see below) <input checked="" type="checkbox"/> NO
	Identify the basis for determination (submit documentation Item 3# from MEMD Assessment) Records search turned up no indication of historical contamination – site visit indicated no evidence of contamination
	Nature of contaminants n/a
	Location of contaminants n/a
	Extent (percentage of building or number of acres affected) of Contaminants n/a
	Any scheduled cleanup plans (include projected date of completion and estimate cost, if known) n/a
B	Property is within 2,000 ft. of explosive and/or flammable materials <input checked="" type="checkbox"/> YES (see below) <input type="checkbox"/> NO
	Note the distance of the materials in relation to the property approximately 1300 feet
	Describe the nature of the facility and materials compressed gases of numerous types, above ground storage tanks of vehicle fuel, hazmat storage buildings of various materials, 90-day hazardous waste facility.
	Identify whether the materials are located on the property <input checked="" type="checkbox"/> or located on an adjacent property <input type="checkbox"/> and specify the type of facility
C	Is there a portion of the property located within an airport runway clear zone? <input type="checkbox"/> YES (see below) <input type="checkbox"/> NO
	Indicate the portion of the property that is impacted (area or %)
	Are there high noise levels. <input type="checkbox"/> YES (see below) <input checked="" type="checkbox"/> NO
D	Is any portion of the property located within a 100 year floodplain? (note that the fact that a Federal property is not included in an existing floodplain map or study does not, by itself, justify a "No" answer.) <input type="checkbox"/> YES <input type="checkbox"/> NO

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E	<p><i>Is the property impacted by any other environmental condition which might jeopardize the safety of occupants of the property (e.g., friable asbestos, PCBs, radon, periodic flooding)?</i> <input type="checkbox"/> YES(see below) <input checked="" type="checkbox"/> NO</p>
	<p><i>If yes, Indicate the following (include documentation on the basis for determination in this report see "A" above)</i></p> <p><i>Nature of condition:</i></p> <p><i>Extent of condition:</i></p> <p><i>Location of condition:</i></p>
F	<p><i>Are there any other known environmental conditions which could affect or be impacted by the occupancy of the property (e.g., endangered species, wild and scenic rivers, wetlands, historic properties, storm water runoff; etc.)?</i></p> <p><input type="checkbox"/> YES(see below) <input checked="" type="checkbox"/> NO <input type="checkbox"/> Undetermined</p>
	<p><i>If yes, Indicate the following (include documentation on the basis for determination in this report see "A" above),</i></p> <p>The environmental condition</p> <p>The potential impact</p>

Section II - Federal Title V Property Survey - Federal Property Information Checklist (Rev. 11/89) Question 14 Property Checklist - while performing the assessment the following questions need to be answered for all building disposal actions.

Item	Description
A	<p><i>Are there now, or are there anticipated to be, any other limitations not previously described on the use of this property to assist the homeless for a period of one year or more?</i> <input type="checkbox"/> YES (see below) <input type="checkbox"/> NO</p>
	<p><i>describe the limitation</i></p>
B	<p><i>Does the limitation currently exist?</i></p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO (see below)</p>
	<p><i>If no, when will any limitation take effect?</i></p>

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NOAA Antenna Fire Protection System Control



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B25/N150



B25/N150



B25/N150

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B25/N154A



B25/N154A

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Instructions for Section II - Federal Title V Property Survey - Federal Property Information Checklist (Rev. 11/89) Question 12 Property Checklist:

12. ENVIRONMENTAL SUITABILITY: ()

Instructions This section is used to provide information about the environmental condition of the property.

A. Is the property subject to contamination by toxic or hazardous materials or waste?—Specify whether the property has contamination by placing an ‘X’ in the applicable box.

Identify the basis for determination (submit documentation)—Enter in the test(s) that were conducted to support the answer to the question above. **Note:** Do not use abbreviations or acronyms, because they can have different meanings and usages throughout the Federal Government. If applicable, submit the supporting documentation with the Title V Checklist.

If yes, also identify:

i. Nature of contaminants: Provide a clear and concise description of the type of contamination (e.g., asbestos, lead-based paint, mold).

ii. Location of contaminants: Specify all areas where the contaminants listed above are located within the property. If applicable, attach pictures that support the location of the contaminants.

iii. Extent (percentage of building or number of acres affected) of contaminants—Enter the approximate or estimated percentage of the property or number of acres (if land) that is impacted by these contaminants.

iv. Any scheduled cleanup plans (include projected date of completion and estimate cost, if known)—Enter in any scheduled cleanups and the entity that is responsible for the cleanup. If applicable, specify the cost of the cleanup.

Note: If the contamination that was identified cannot be remediated because of dangerous exposure levels or for whatever other reason(s), provide a clear and concise description of the hazard and supporting documentation (e.g., official environmental research reports).

B. Property is within 2,000 ft. of explosive and/or flammable materials. Specify whether the property is within 2,000 ft. of explosive and/or flammable materials by placing an “X” in the applicable box. If so, note the distance of the materials in relation to the property (e.g., within 1,200 ft.) and the nature of the facility and materials (e.g., heating plant that stores coal and oil or gasoline). In addition, identify whether the materials are located on the property or located on an adjacent property. If located on an adjacent property, specify the type of facility (e.g., materials are located on the firefighter training academy which is an adjacent property).

C. Portion of the property located within an airport runway clear zone. Indicate whether the property is located within an airport/airfield military runway clear zone. If so, indicate the portion of the property that is impacted as well as whether there are high noise levels.

D. Property located within 100 year floodplain. Indicate whether the property is located in a 100-year floodplain. If so, indicate whether or not any portion is located in the floodway. If so, clearly indicate whether the floodway has been corrected or contained. Per 22 CFR Title 44, corrected or contained means any mitigation

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measures taken that would prevent or lessen the risk of damage due to flooding. Any such mitigation measures would, of course, depend on the property, the geography, surrounding area, etc., and would be unique to that property.

E. Environmental conditions that might jeopardize the safety of occupants. *Indicate whether there are any environmental conditions that might currently be a safety hazard. This field should be consistent with the information that was discussed under A. 'Contamination by toxic or hazardous materials or waste.' If contamination was identified above, please elaborate on the contaminants and the current safety hazard that might not have been clearly captured above (e.g., dangerous health concerns due to significant levels of mold that will hinder any remediation; environmental review completed, see page X in attached document).*

F. Are there any other known environmental conditions which could affect or be impacted by the occupancy of the property? *Indicate whether there are any other environmental conditions by placing an "X" in the applicable box. These conditions could include, but are not limited to:*

Endangered species

Wild and scenic rivers

Wetlands

Historic properties

Storm water runoff

If yes, for each:

i. Describe the environmental conditions: *Specify the type of environmental condition (e.g., Endangered species-Bald Eagle)*

ii. Describe the potential impact: *Clearly explain the potential impact if the property is conveyed through the Title V program. (e.g., Bald Eagle's habitat could be disturbed and could impact health/survival of species; potential violation of State/Federal laws).*

iii. Basis for the determination (submit documentation): *Enter in the study or studies that were conducted to support the answer above. If applicable, attach the supporting documentation with the Title V Checklist.*

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Instructions for Section II - Federal Title V Property Survey - Federal Property Information Checklist (Rev. 11/89) Question 14 Property Checklist

14. LIMITATIONS ON USE:

Instructions: This section is used to identify any other limitations that were not previously discussed in the

Title V Checklist that should be noted. Provide a clear and concise description of any limitation.

A. Are there now, or are there anticipated to be, any other limitations not previously described on the use of this property to assist the homeless for a period of one year or more? Place an 'X' in the appropriate checkbox. If 'No', do not complete 14B. Proceed to number 15. Checklist Contact Person. If 'Yes', "describe the limitation" and proceed to 14B.

B. Does the limitation currently exist? Place an "X" in the appropriate checkbox. If 'Yes', proceed to 15. Checklist Contact Person. If 'No', this means that it is a future limitation; therefore, proceed to, "If no, when will any limitation take effect," enter in the date and then proceed to 15. Checklist Contact Person.