

**ENVIRONMENTAL ASSESSMENT FOR
EMERGENCY MANAGEMENT PERFORMANCE GRANT
2008-EM-E8-0010**

**Glen Jean Armory 911 Tower
Fayette County, West Virginia**

Prepared for:



**WV Department of Military Affairs and Public Safety –
Division of Homeland Security Emergency Management**

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1.1 EXECUTIVE SUMMARY

This Environmental Assessment (EA) is the results of the work authorized under FEMA Emergency Management Performance Grant 2008-EM-E8-0010. WV Department of Military Affairs and Public Safety, Division of Homeland Security Emergency Management administers the project which includes the construction of the Glen Jean Armory 911 tower, its associated building, and microwaves. Supporting environmental documents include the Phase I Environmental Site Assessment (ESA) and NEPA Checklist for the tower site.

The project does not adversely impact any resources identified within this EA. This EA documents a FINDING OF NO SIGNIFICANT IMPACTS.

1.2 CHAPTER 1 – PURPOSE AND NEED

This tower site is a critical cooperative site for the National Guard, is a major link to all WV guard sites, will bolster National Park Service (NPS) communication service, will enhance the 911 and homeland security within Fayette County area, and will provide communication and rapid emergency services to the Boy Scout Reserve property following its construction.

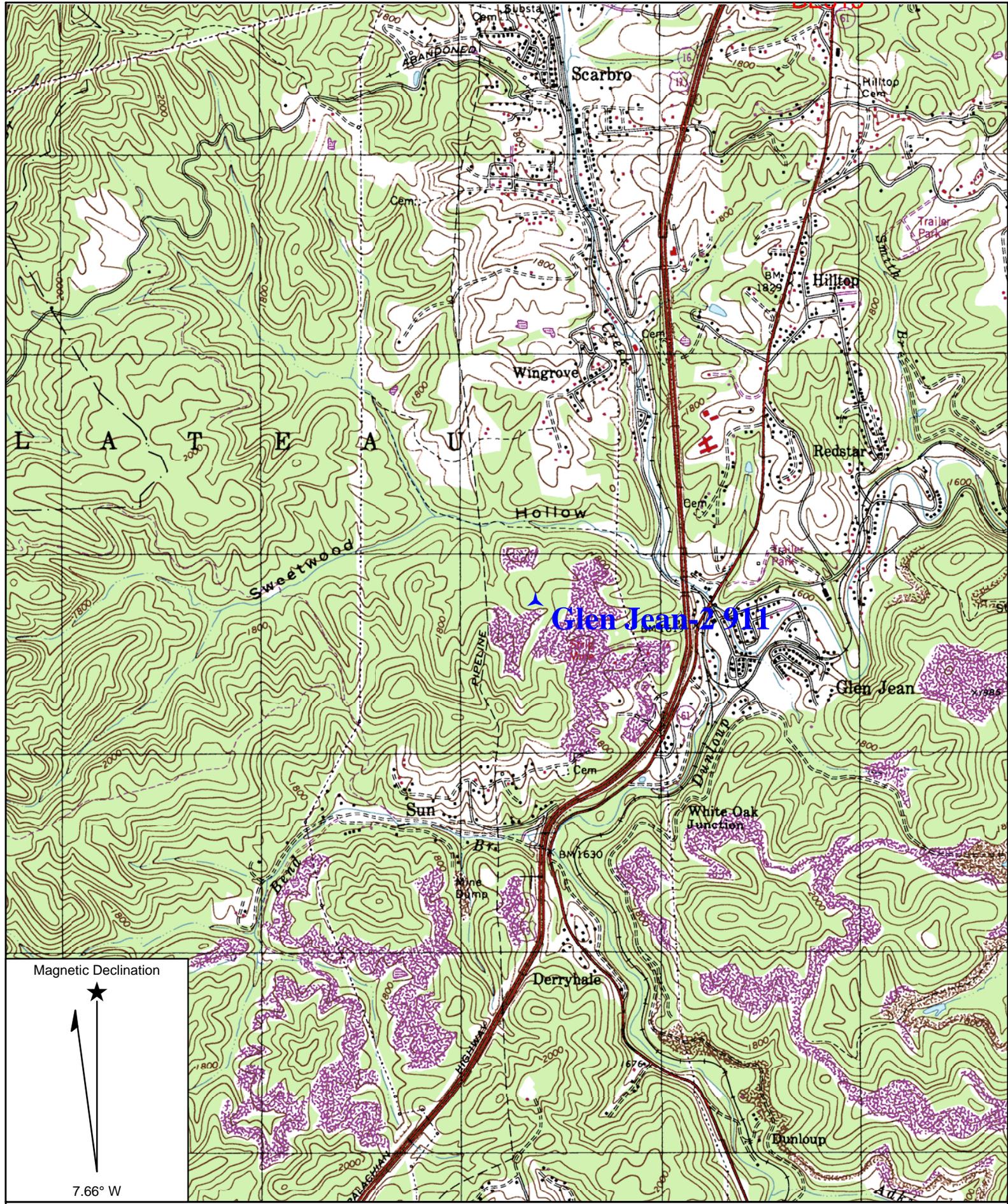
1.3 CHAPTER 2 – PROPOSED ACTION

1.3.1 Project Description

Because of terrain limitations, a major portion of the State's 911 Systems, to include Public Safety Answering Points (PSAPs), Dispatch radios sites, and voted receive sites, are interconnected across and supported with Licensed Microwave Radio Systems. This support includes basic operation of First Responders, including Law Enforcement, Fire, Emergency Medical Services (EMS) and DHS/Emergency Management Services. The links provide the capability to talk out (from the radio site) and talk back (to the radio site) between the Dispatchers located at the PSAP and these First Responders.

Currently, the State of West Virginia has 96 Communications tower or rooftop sites, many designed for self-sustainment in adverse conditions for a specified amount of time, interconnected by 102 Microwave radio links, to provide a Backbone for the aforementioned First Responder services. The State proposes to add the Glen Jean Armory 911 tower site (**Figure 1**), to include shelter, tower and generator, to the existing system. This system coupled with an existing state-wide network will provide emergency service to the sensitive areas of the National Park Service and Boy Scout Reserve, in addition to the rest of Fayette County.

The assets of this existing microwave infrastructure include not only communications equipment, but towers, roads, rights-of-way, real estate, buildings, cabinets and other facilities. By leveraging and upgrading this existing infrastructure, the State will be able to provide the most cost-effective approach to improving communications for public safety, education and healthcare.



Magnetic Declination

7.66° W

Name: OAK HILL
Date: 12/21/2010
Scale: 1 inch equals 2000 feet

Location: 037° 55' 44.99" N 081° 10' 04.22" W NAD83

1.3.2 Alternatives

Alternatives, other than the No-Action Alternative, were not evaluated for this project. Specific locations within key counties were selected based upon their direct line-of-sight microwave communication with existing towers in the WV Microwave IRP System Link network.

1.3.3 Alternatives Considered but Eliminated from Further Consideration

The No-Action Alternative was eliminated from further consideration because it does not meet the requirements of improving communications for public safety, education, and health care in this region of West Virginia.

1.4 CHAPTER THREE – EXISTING ENVIRONMENT

The project area (**Figure 2**) is defined as:

- compound size is 75 feet x 75 feet with 50 feet of access road construction;
- Construction of the tower will be completed 3 months after steel is delivered to the site. Construction will occur during daylight hours, up to seven days a week.

The Environmental and Historic Preservation Screening Memo for the Glen Jean 911 site prepared in October 2010 is provided as **Appendix A**.

1.4.1 Noise

Ambient noise levels in the project area are those typically found in a rural setting. Within the project area, noise levels are related to road noises and commercial areas located adjacent to the sites. The current uses and associated activities in the project area may generally create noise levels (helicopter pad area) above 55 decibels, which is considered the threshold nuisance level.

Noise sources in the project area are generally limited to the armory due to the rural nature of the tower sites. Sources of environmental noise may include, but are not limited to: traffic from roadways, bridges, businesses, industries, trains, construction activities at residential dwellings, roadway repairs, wind, animals, and other natural noises. Sensitive noise receptors are considered to be residences, hospitals, churches, schools, and other locations where excessive noise exposure could adversely impact daily activities, health, or welfare.

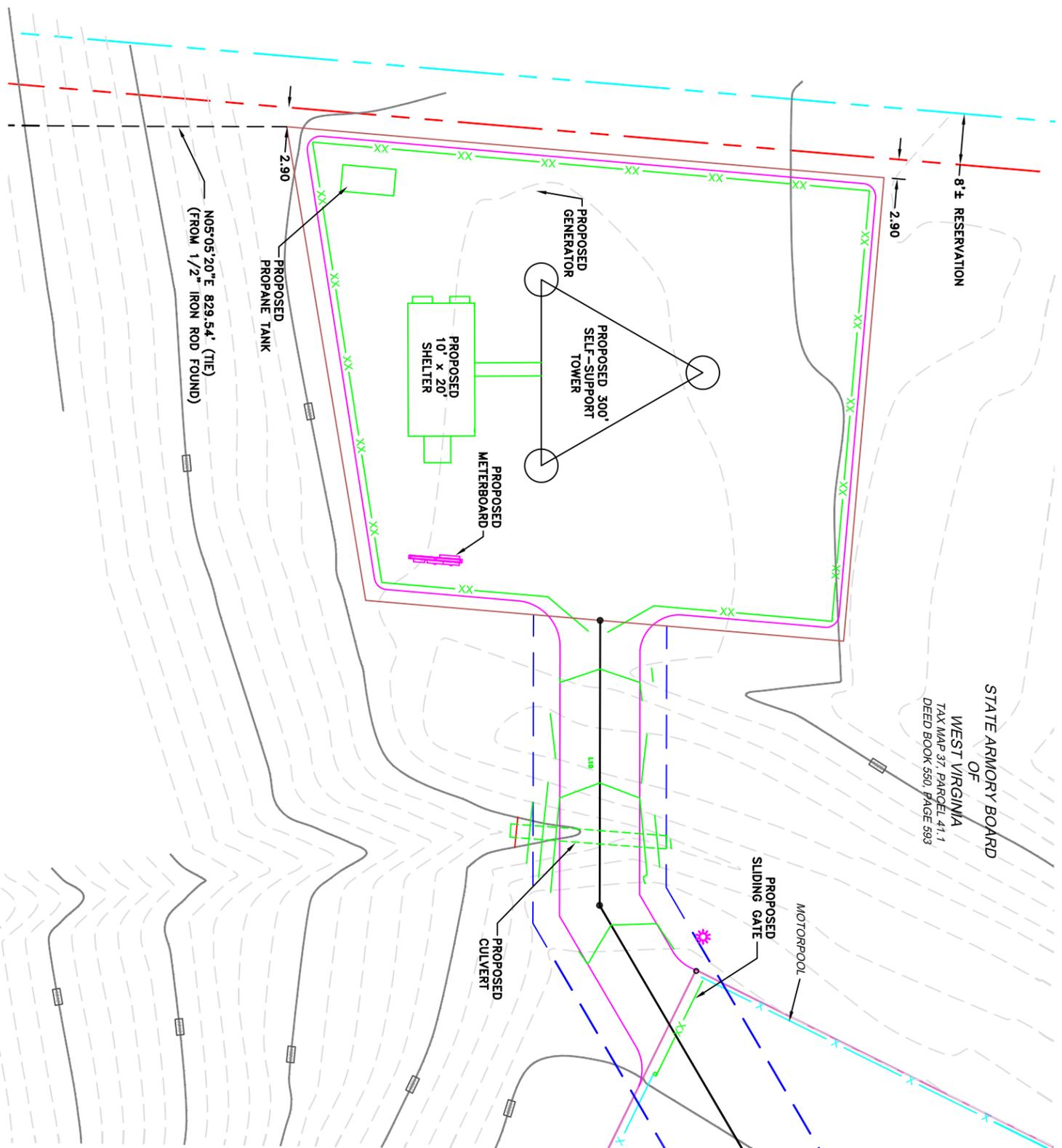
Background noise levels are relatively low. Predominant transient sources include local vehicular and/or railroad traffic. Construction related noise is expected to be buffered by vegetation, the armory buildings, terrain changes, and distance from sensitive receptors.

Noise impacts for the existing conditions are limited to armory activities, traffic, and general construction areas.

NORTH MERIDIAN REFERENCED TO W.V.
STATE PLANE COORDINATE SYSTEM
(SOUTH ZONE (NAD83))



SAMUEL PRICE HEIRS
TAX MAP 37, PARCEL 1
DEED BOOK 390, PAGE 388



LEGEND:

	PROPERTY LINE
	TRACT LINE
	LEASE LINE
	ROW LINE
	EXISTING FENCE LINE
	PROPOSED FENCE LINE
	OVERHEAD POWER
	UNDERGROUND POWER
	UNDERGROUND TELCO.
	OVERHEAD POWER/TELEPHONE
	5/8" REBAR W/CAP SET
	FOUND MONUMENTATION
	CALCULATED POINT
	EXISTING UTILITY POLE
	PROPOSED UTILITY POLE
	EXISTING LIGHT POLE



CALL BEFORE YOU DIG,
DRILL OR BLAST!
WEST VIRGINIA LAW REQUIRES 48
HOURS NOTICE FOR CONSTRUCTION
PHASE AND 10 DAYS IN DESIGN STAGE
MISS UTILITY OF WEST VIRGINIA, INC.
1-800-245-4848



SITE NAME: GLEN JEAN

SITE NUMBER:

SITE ADDRESS:
WOOD MOUNTAIN RD,
GLEN JEAN, WV

AREA:
LEASE AREA = 5,670 SQ. FT.

PROPERTY OWNER:
STATE ARMORY BOARD
OF WEST VIRGINIA

COUNTY: FAYETTE

DISTRICT: PLATEAU

MAP NUMBER: 37

PARCEL NUMBER: 41.1

NO. REVISION/ISSUE DATE

1 ISSUE FOR COMMENT 12/03/10



400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

RPM PROJECT # WV100839222008

SITE EXHIBIT SHEET X-1

1.4.2 Air Quality

The US Environmental Protection Agency (USEPA) is the primary agency responsible for regulating air emissions to protect air quality throughout the U.S. The primary regulatory authority for air quality in West Virginia is the Environmental Protection, Division of Air Quality. Air quality control regions are designated by the USEPA pursuant to Section 107 of the Clean Air Act (CAA), as amended. West Virginia is under the jurisdiction of USEPA Region 3 and has ten air quality control regions. Areas with Approved Ozone Maintenance Plans are Kanawha, Putnam, Cabell, Wayne, Wood, Brooke, Hancock, Marshall, and Ohio Counties. Areas within the State designated as non-attainment for PM (2.5) are Kanawha, Putnam, Brooke, and Hancock Counties.

Existing conditions within the project area meet the state's air quality requirements.

1.4.3 Geology and Soils

As published by the West Virginia Geological and Economic Survey, West Virginia is basically composed of two areas: the western two-thirds of relatively flat-lying rocks containing minable coal, and the eastern one-third comprised of folded and faulted rocks with no minable coal. The former area is the Appalachian Plateau Province and the latter is the Valley and Ridge Province and they are separated by the Allegheny Front. The site is located in the Appalachian Plateau physiographic province in central West Virginia. The local geology is from Pk – Kanawha Formation and Pnr – New River Formation of the Lower Pennsylvanian Geologic System. The site geology consists of cyclic sequences of sandstone (predominant), shale, siltstone, limestone, and coal.

Per the Phase I ESA report dated February 2011 (**Appendix B**), the Soil Survey of Fayette and Raleigh Counties, West Virginia, compiled online in November 2009, was reviewed for soil types. Site soils are classified as KmC (Kaymine very cannery loam, 0 to 15 percent slopes, very stony and KmF (Kaymine very cannery loam, very steep, very stony).

There is no prime farmland within the footprint of this tower.

1.4.4 Water Resources

1.4.4.1 *Surface Water*

The majority of the surface water from the site flows into Sweetwood Hollow or Sun Branch to Dunlop Creek, a tributary of the New River. According to the Environmental Protection Agency (EPA) website, concerning water quality of the Lower New River Watershed, this stream does not appear on the listing of the Clean Water Act (CWA) Section 303d Impaired Waters (Phase I ESA report).

Surface water conditions at the project area are not presently impacted.

1.4.4.2 *Groundwater*

Within West Virginia, the Department of Environmental Protection (DEP),

Department of Health and Human Resources (DHHR), and the Department of Agriculture work closely at many levels to protect the ground water and the health of the people. West Virginia's ground water is vital to the quality of life and is a critical resource, serving as a source for drinking water to thousands and providing support to commercial, industrial, and agricultural activities. Protection of this resource is critical to West Virginia's economy, public health, and environment. Ground water discharging to surface water is a significant component in maintaining wetlands, surface water flows, and potential recreational uses.

Groundwater is not used at the project area for any purposes; therefore existing conditions show no impacts.

1.4.5 Biological Resources

U. S. Fish and Wildlife Service was contacted regarding designated wilderness areas, designated wildlife preserves, and endangered species. U.S. Fish and Wildlife issued a general clearance letter for tower co-locations in West Virginia and their clearance letter dated 9 March 2001 is provided in the NEPA checklist dated 25 February 2011 (**Appendix C**). West Virginia Department of Natural Resources (WVDNR) was contacted on 30 August 2010 regarding rare, threatened, or endangered species. Their clearance letter dated 2 September 2010 is provided in the NEPA Checklist.

Rare, threatened, or endangered species are not impacted under existing conditions at the project area.

1.4.6 Historic and Cultural Resources

The National Historic Preservation Act, as amended and its implementing regulations at 36 CFR Part 800 requires the WV Division of Culture and History (WV SHPO) to take into consideration the effects of its actions on historic properties. This begins with file review to identify cultural resources within the Area of Potential Effect listed in or potentially eligible for listing in the National Register of Historic Places (NRP). Historic properties may include archaeological sites, structures, districts, or objects.

The WV National Register of Historic Places was reviewed on 16 April 2010 for information regarding districts, sites, and buildings, structures or objects that are significant in American history, architecture, archeology, engineering or culture. One NRP site (Bank of Glen Jean), no NRP districts, and 60county-eligible site, were found within the APE. An effects assessment was conducted to determine if the tower would be visible from these structures. Specific photographs were taken from the Bank of Glen Jean which showed that the tower would not be visible due to the terrain and wooded areas between the two locations. Eight archaeology sites were noted within a one-mile radius. A Phase I archaeological survey was conducted and the negative findings report was submitted to SHPO for their concurrence. Form 620 was submitted to SHPO for their concurrence and their clearance letter dated 13 January 2011 is provided in the NEPA Checklist.

Existing conditions at the project area do not impact historic or cultural resources.

1.4.7 Aesthetic and Visual Resources

The New River Gorge is a 1,000 feet (300 m) deep canyon carved by the New River. The National Park Service manages a portion of the gorge and river that has been designated as the New River Gorge National River, one of only 15 rivers in the U.S. with this level of protection.

The National Park Service in Glen Jean was contacted on 15 September 2010 and 25 February 2011 for their review and concurrence with the placement of this tower. A clearance letter dated 25 February 2011 is provided in the NEPA Checklist.

Existing conditions within the project area are not within or near the boundaries of this National Park. No impacts to existing conditions are noted.

1.4.8 Land Use

West Virginia has a total surface area of 15,508,200 acres, according to the NRSC's 2003 Natural Resources Inventory. Primary land cover categories consist of private forest (68 percent), Federal Land (8 percent), crop land (6 percent), pasture (10 percent), wetlands (2 percent), and developed (3 percent). The existing properties fall into the developed category.

Existing conditions at the project area do not show current impacts.

1.4.9 Infrastructure

The tower property is undeveloped land with infrastructure existing due to the active National Guard armory. Impacts to existing infrastructure are not identified on the project area.

Telecommunications

Telephone service at the Armory is provided primarily by Frontier. A variety of long-distance and cellular providers offer services within the 304 area code. Cellular coverage is often poor or nonexistent due to the mountainous terrain. New telecommunication tower are being sited to increase coverage throughout the roughed terrain.

Television cable services are provided by commercial companies or satellite dishes in the rural areas.

Electricity

Electricity is provided by Allegheny Electric Power (AEP)

Natural Gas

West Virginia has several natural gas providers, including, but not limited to, Mountaineer Gas, Columbia Gas, and Equitable Gas Company.

Water

Public service districts or "PSDs", as established by West Virginia Code 16-13A-2, are public corporations established by county commissions with approval of the West Virginia Public Service Commission. These local entities manage the development and

maintenance of water, sewage and gas systems covering areas specified by the county commission. They were authorized by the Legislature to help extend services to rural areas and allow municipal water and sewage systems to become more efficient by sharing services and resources with surrounding areas.

West Virginia American Water Company provides this service in the Glen Jean area.

Wastewater

Sewer service at the Armory is through commercially provided utilities.

Solid Waste

West Virginia has commercial solid waste companies (such as Allied Waste, BFI, and Waste Management) who contract with cities, towns, and individual residents for trash removal services.

Transportation

Highways form the backbone of transportation systems in West Virginia, with over 37,300 miles of public roads in the state. Airports, railroads, and rivers complete the commercial transportation modes for West Virginia. Commercial air travel is facilitated by airports in Charleston, Huntington, Morgantown, Beckley, Bluefield, Lewisburg, Bridgeport, Martinsburg, Wheeling, and Parkersburg. Cities like Charleston, Huntington, Clarksburg, Fairmont, Bluefield, and Logan have bus-based public transit systems.

West Virginia is crossed by several interstate highways. I-64 enters the state near White Sulphur Springs in the mountainous east, and exits for Kentucky in the west, near Huntington. I-77 enters from Virginia in the south, near Bluefield. It runs north past Parkersburg before it crosses into Ohio. I-64 and I-77 are merged in a stretch of toll road known as the West Virginia Turnpike, on which construction began in 1952. It runs from just east of Charleston south to the exit for Princeton. I-68's western terminus is in Morgantown. From there it runs east into Maryland. At the I-68 terminus in Morgantown, it meets I-79, which enters from Pennsylvania and runs through the state to its southern terminus in Charleston. I-70 briefly runs through West Virginia, crossing the northern panhandle through Wheeling. I-81 also briefly runs in West Virginia through the Eastern Panhandle where it goes through Martinsburg.

Rail lines in the state used to be more prevalent, but many lines have been discontinued because of increased automobile traffic. Many old tracks have been converted to rail trails for recreational use, and the state is still served by a few commercial lines for hauling coal and by Amtrak. In 2006 Norfolk Southern along with the West Virginia and U.S. Government approved a plan to modify many of the rail tunnels in West Virginia, especially in the southern half of the state, to allow for double stacked cars (see inter-modal freight). This is expected to also help bring economic growth to the southern half of the state.

Because of the mountainous nature of the entire state, West Virginia has several notable tunnels and bridges. The most famous of these is the New River Gorge Bridge, which was at a time the longest steel single-arch bridge in the world with a 3,031-foot (924 m) span. The bridge is also pictured on the West Virginia state quarter. The Fort

Steuben Bridge (Weirton-Steubenville Bridge) was at its time of construction one of only three cable-stayed steel girder trusses in the United States.

1.4.10 Socioeconomic Resources

The state analyzed decennial census data based on the definitions of rural and remote areas as defined in the NOFA. Less than 2% of West Virginia can be considered urban based on these definitions. Additionally, about 9% of West Virginia can be considered remote under the definitions. This “remote” designation vastly underestimates the true conditions in West Virginia because the 50 mile radius factor allows portions of the state to be included within the sphere of towns from other states – where the providers have no ability or inclination to provide service across the border – and also swallows up vast geographically challenging and literally remote and unserved regions of the state because of the scale of this radius compared to the size of West Virginia. Applying the current definition, however, leaves 89% of the state that can be considered rural/remote.

Fayette County has a population of 46,123 within 668.7 square miles, according to the 2009 Census data compiles by the WV Economic Development Office. This population equates to 29.4% under the age of 24; 54.9% between the ages of 25 and 65; and 15.7% over the age of 65. Approximately 93% of the county is Caucasian. The 2006 per capita income for the county was \$24,788.

The project area is generally occupied only by the National Guard; therefore, impacts to existing conditions were not identified.

1.4.11 Human Health and Safety

An Environmental Site Assessment is a report prepared for a real estate holding which identifies potential or existing environmental contamination liabilities. The analysis, often called an ESA, typically addresses both the underlying land as well as physical improvements to the property; however, techniques applied in a Phase I ESA never include actual collection of physical samples or chemical analyses of any kind. Scrutiny of the land includes examination of potential soil contamination, groundwater quality, surface water quality and sometimes issues related to hazardous substance uptake by biota. The examination of a site may include: definition of any chemical residues within structures; identification of possible asbestos containing building materials; inventory of hazardous substances stored or used on site; assessment of mold and mildew; and evaluation of other indoor air quality parameters^[1]. Contaminated sites are often referred to as "brownfield sites." In severe cases, brownfield sites may be added to the National Priorities List where they will be subject to the U.S. Environmental Protection Agency's Superfund program.

A Phase I ESA report was prepared in February 2011 and is incorporated as **Appendix B**. Existing conditions at this property have not revealed evidence of hazardous materials.

1.5 CHAPTER 4 – ENVIRONMENTAL CONSEQUENCES

Table 1 summaries the environmental consequences post construction at the tower site. No additional impacts to the listed resources were identified from this project.

1.5.1 Noise

Construction activities will occur at the tower location; therefore, minor impacts from equipment noise and traffic to the local residents will occur but will be temporary in duration. Truck traffic and associated noise will occur during normal daytime working hours. The disturbances to community residents should not be significant.

1.5.2 Air Quality

Minor and temporary emissions from equipment would be released during construction activities. Likewise, dust and particulates would slightly increase above ambient levels during construction. No long-term, adverse, or significant impacts are anticipated.

1.5.3 Geology and Soils

The geology at the proposed tower site will primarily remain unchanged from the before project conditions. The topography will also remain relatively unchanged.

1.5.4 Water Resources

No adverse impacts are anticipated to affect surface water or groundwater as a result of the proposed project.

1.5.5 Biological Resources

No adverse impacts are anticipated to affect biological resources as a result of the proposed project. No trees will be removed for construction activities. Disturbed areas will be re-vegetated. Rare, Threatened, or Endangered Species were not identified on the project sites; therefore, no adverse effects are anticipated.

1.5.6 Historic and Cultural Resources

Construction of the tower will not have an effect on historical and archaeological resources. Based on literature reviews and field investigations (Phase I Archaeology surveys performed), the proposed project will not impact any archeological or historic resources. WV SHPO clearance letter for the tower is provided in the NEPA Checklist (Appendix C).

1.5.7 Aesthetic and Visual Resources

The tower would not increase recreational use within the New River Gorge National Park.

1.5.8 Land Use

The tower construction would have no change or impact on land use. Land use at the Glen Jean Armory will not change. The land use designation will not change. The construction of the tower will be completed within 90 days of commencing.

1.5.9 Infrastructure

Construction of the tower will not adversely affect infrastructure in the area.

1.5.10 Socioeconomic Resources

The project will not directly or indirectly affect population trends and no impacts are anticipated. Also, the proposed project is not expected to alter employment or economic development at the project area. The proposed actions may produce temporary increase in use of temporary lodging and general services. If equipment operators do not live locally, they will likely spend money in the area on food and lodging near the project sites.

However, the general population in Fayette County will benefit from the enhanced emergency response time for New River Gorge National Park visitors and the Boy Scout Reserve events.

1.5.11 Human Health and Safety

There would not be any impact to hazardous waste resources in the project area since none were identified in the Phase I ESA report. The only potential site located near the project area is the Glen Jean Armory.

1.6 CHAPTER 5 – FINDINGS AND CONCLUSIONS

This Environmental Assessment (EA) is the result of the work authorized under FEMA Emergency Management Performance Grant 2008-EM-E8-0010. WV Department of Military Affairs and Public Safety, Division of Homeland Security Emergency Management administers the project which includes the construction of the Glen Jean Armory 911 tower, its associated building, and microwaves. Supporting environmental documents include the Phase I Environmental Site Assessment and NEPA Checklist for the tower site.

The project does not adversely impact any resources identified within this EA. This EA documents a FINDING OF NO SIGNIFICANT IMPACTS.

TABLE 1. Environmental Consequences for Project Alternatives
Emergency Mgt. Performance Grant 2008-EM-E8-0010

Resource	Alternatives	
	Preferred	No-Action
Noise	Temporary and minimal effects related to equipment noise during installation and periodic maintenance. Potential maintenance activity would also be longer than 90 days. No effects during operation. No residential dwellings within 3/4-mile. No significant impacts.	No impact.
Air Quality (Climate, Greenhouse Gases, Global Warming)	Temporary increases to criteria pollutants (particulate matter and ozone-related pollutants) due primarily to activity and emissions related to construction vehicles used during installation and occasional maintenance activity. No significant impacts.	No impact.
Geology and Soils	Cut and fill of the compound during construction of the tower site will occur. Potential for erosion and soil migration exists during installation and maintenance. Project area is part of previously mined property. No significant impacts.	No impact.
Water Resources	Minor, localized, temporary potential for sedimentation as a result of tower construction. Standard BMPs will be followed to minimize sedimentation to water bodies. No significant impacts.	No impact.
Biological Resources	No adverse affect on species impact.	No impact.
Historic and Cultural Resources	Tower site has been cleared with no impacts. No impacts.	No impact.
Aesthetic and Visual Resources	Closest wilderness area is New River Gorge National Park which is over 6 miles away. No impacts.	No impact.
Land Use	No impacts.	No impact.
Infrastructure	Temporary increase in solid waste due to construction activities. No impacts.	No impact.
Socioeconomic Resources	Substantial positive affect to communities by providing improved and more reliable emergency response to the New River Gorge National Park and Boy Scout Reserve. Significant beneficial impacts.	Continued adverse impact to populations.
Human Health /Safety	No impacts.	No impact.

Appendix A
Environmental and Historic Preservation
Screening Memo (EHPSM)

ENVIRONMENTAL and HISTORIC PRESERVATION SCREENING MEMO (EHPSM)

This memo should be attached to all project information sent to the Grant Programs Directorate (GPD) for an environmental and historic preservation (EHP) regulatory compliance review. Please complete sections A – D of this memo, as applicable. When questions are not applicable to the project, please leave the field blank. This memo is intended to be completed electronically. Please contact GPD-EHP for a version of this memo that is suitable for printing and completing by hand. To check (X) a box, please left double-click using your mouse and a Check Box Field Form Box will appear. On the Check Box Field Form Box, select the default value as Checked and press OK. To write in a text field (____), please select the text field with your mouse and begin typing.

A. PROJECT INFORMATION

Grant Program Name: **Emergency Mgt. Performance Grant** Grant Award Number: **2008-EM-E8-0010**

- Project Type (*Check all that apply*):
- Physical security enhancements (i.e., installation of fencing, cameras, TWIC readers, bollards, motion detection systems, x-ray machines, lighting, etc.)
 - New installation/construction/renovation (i.e., emergency operations centers, docks, piers, security guard buildings, etc.)
 - Renovations/upgrades/modifications to structures 50 years old or older
 - Communication towers, related equipment, and equipment shelters
 - Other ground disturbing activities (i.e., trenching, excavation, etc.)
 - Training and exercises (field-based only require further information)
 - Purchase of equipment (specify) _____
 - Other (specify) _____

Grantee Name: **WV Dept of Military Affairs and Public Safety**

State: **WV** County: **Kanawha** Agency: **HS SAA** Subgrantee: **Div of Homeland Security Emergency Mgt.**

Project Title: **2 Microwave Communications Links 08-EMPG-01**

Fiscal Year: **2008**

B. PROJECT DESCRIPTION/LOCATION (*The following information will be required in order to complete a review for each project type. If multiple “project types” describe the same project, [i.e., physical security enhancements AND renovations of structures 50 years old or older AND other ground disturbing activities], it is not necessary to repeat information; please make a note to refer back to the previous entry.*)

Project Type: **Physical security enhancements (i.e., installation of fencing, cameras, TWIC readers, bollards, motion detection systems, x-ray machines, lighting, etc.)**

Project Location (*physical project address or latitude/longitude of project location*): _____

Color site photos and other visual documentation (i.e., maps, technical drawings) attached? Yes No

Will ground disturbance be required? Yes No

If yes, please give total extent (*depth, length, and width*) _____

Has the ground been previously disturbed? Yes No

Glen Jean Armory 911 Tower

If yes, please describe the current disturbed condition of the area (e.g., parking lot, commercial development, etc.): _____

Will any equipment or structures need to be installed? Yes No

If yes, please explain how and where this installation is proposed to be done (*please include site-specific photographs, and attach additional pages, if needed*): _____

Please state the date of construction of the building(s) or structure(s) (e.g., bridge) involved in the proposed project: _____

Project Type: **New installation/construction/renovation (i.e., emergency operations centers, docks, piers, security guard buildings, etc.)**

Project Location (*physical project address or latitude/longitude of project location*): _____

Describe the setting of the area where the new installation/construction/renovation is proposed (e.g., urban, suburban, or rural; forested or open field): _____

Color site photos and other visual documentation (i.e., maps, technical drawings) attached? Yes No

Will ground disturbance be required? Yes No

If yes, please give total extent (*depth, length, and width*): _____

Has the ground been previously disturbed? Yes No

If yes, please describe the current disturbed condition of the area (e.g., parking lot, commercial development, etc.): _____

Will any equipment or structures need to be installed? Yes No

If yes, please explain how and where this is proposed to be done (*please include site-specific photographs, and attach additional pages, if needed*): _____

Please state the date of construction of the building(s) or structure(s) (e.g., bridge) involved in the proposed project: _____

Project Type: **Renovations/upgrades/modifications to structures 50 years old or older**

Project Location (*physical project address or latitude/longitude of project location*): _____

Color site photos and other visual documentation (i.e., maps, technical drawings) attached? Yes No

Will ground disturbance be required? Yes No

If yes, please give total extent (*depth, length, and width*): _____

Has the ground been previously disturbed? Yes No

If yes, please describe the current disturbed condition of the area (e.g., parking lot, commercial development, etc.): _____

Will any equipment or structures need to be installed? Yes No

If yes, please explain how and where this is proposed to be done (*please include site-specific photographs, and attach additional pages, if needed*): _____

Please state the date of construction of the building(s) or structure(s) (e.g., bridge) involved in the proposed project: _____

Project Type: **Communication towers, related equipment, and equipment shelters**

Glen Jean Armory 911 Tower

Project Location (*physical project address or latitude/longitude of project location*): **37-55-45.09N; 81-09-58.16W**

Color site photos and other visual documentation (i.e., maps, technical drawings) attached? Yes No
See attached Conditional NEPA Checklist dated 25 February 2011

Please state the total height (in feet) of the tower or structure, including any antennae to be mounted:
Tower height will be 308 feet with antennae at 300 feet.

If the proposed tower height is greater than 199 feet above ground level, please state why this is needed to meet the requirements of the project: **height needed to clear terrain and provide direct line of communication with other guard towers.**

Will the tower be free-standing or require guy wires? **Free standing** Guy wires

If guy wires are required, please state how many: _____

Please state why a guyed tower is needed to meet the requirements of this project: _____

Has an FCC license been obtained for this tower? Yes No License #: _____

If yes, please attach all relevant environmental documentation submitted as part of the licensing process, including use of the Tower Construction Notification System (TCNS), if applicable. **TCNS is 67463 (see NEPA Checklist)**

Will ground disturbance be required? Yes No

If yes, please give total extent (*depth, length, and width*): **2-ft x 75-ft x 75-ft compound area**

Has the ground been previously disturbed? Yes No

If yes, please describe the current disturbed condition of the area (e.g., parking lot, commercial development, etc.): **former strip mine and construction of Glen Jean Armory**

Will any equipment or structures need to be installed? Yes No

If yes, please explain how and where this is proposed to be done (*please include site-specific photographs, and attach additional pages, if needed*): **See site plan in NEPA Checklist.**

Please state the date of construction of the building(s) or structure(s) (e.g., bridge) involved in the proposed project: **Spring 2011 or when funding is released**

Project Type: **Other ground disturbing activities (i.e., trenching, excavation, etc.)**

Project Location (*physical project address or latitude/longitude of project location*): _____

Color site photos and other visual documentation (i.e., maps, technical drawings) attached? Yes No

What type of ground disturbance is needed and why (*i.e., utility trenching, etc.*)? _____

Please give the total extent of ground disturbance required (*depth, length, and width*): _____

Has the ground been previously disturbed? Yes No

If yes, please describe the current disturbed condition of the area (e.g., parking lot, commercial development, etc.): _____

Will any equipment or structures need to be installed? Yes No

If yes, please explain how and where this is proposed to be done (*please include site-specific photographs, and attach additional pages, if needed*): _____

Please state the date of construction of the building(s) or structure(s) (e.g., bridge) involved in the proposed project: _____

Project Type: **Training and exercises (field-based only)**

If the training is classroom-based, then no further information is required. If the training is field-based, then please provide the following:

Will the field-based training take place at an existing facility having established procedures for that particular proposed exercise, and that conform with existing land use designations (refer to Information Bulletin #329 Clarification for further information)? Yes No

If yes, the field-based training is taking place at an existing facility (as described above), no further information is required. If the field-based training is not occurring at an existing facility, please provide the following:

Project Location (*physical project address or latitude/longitude of project location*): _____

Color site photos and other visual documentation (i.e., maps, technical drawings) attached? Yes No

Will ground disturbance be required to prepare the training site? Yes No

If yes, please give total extent (*depth, length, and width*): _____

Has the ground been previously disturbed? Yes No

If yes, please describe the current disturbed condition of the area (e.g., parking lot, commercial development, etc.): _____

Will any equipment or structures need to be installed to facilitate training? Yes No

If yes, please explain how and where this is proposed to be done (*please include site-specific photographs, and attach additional pages, if needed*): _____

Please describe the scope of the proposed training (purpose, frequency, facilities/location needed, materials and equipment needed, number of participants, and type of activities required) (*Attach additional pages, if needed*): _____

Does the training exercise differ in any way (frequency, amount of facilities/land used, materials or equipment used, number of participants, type of activities, etc.) from previously permitted training exercises and training practices? Yes No

If yes, please explain any differences, and the reason for them, in detail (*Attach additional pages, if needed*): _____

Project Type: **Purchase of equipment (specify)** _____

Will any equipment need to be installed? Yes No

If yes, please explain how and where this is proposed to be done (*please include site-specific photographs, and attach additional pages, if needed*): _____

Please state the date of construction of the building(s) or structure(s) (e.g., bridge) involved in the proposed project: _____

Project Type: **Other (specify)** _____

Please provide a detailed project description, including where the project is proposed to take place, what steps it will consist of, and how its goals are proposed to be accomplished (*Attach additional pages, if needed*): _____

C. CONSIDERATION OF RESOURCE IMPACTS

The EHP review process will be greatly facilitated by comprehensive and detailed answers in this section. When completing this section, please state a specific reason [i.e., "there will be no impacts to geology and soils because this project will not involve any ground disturbance"] and cite a source [i.e., local master plan, previous

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environmental assessment, correspondence with US Fish and Wildlife Service, correspondence with State Historic Preservation Office, FEMA Floodplain Insurance Rate Map (FIRM), etc.] to support a response of “no impact” or “potential to impact.”

Identify potential impacts to the following resources	No Impact	Potential to Impact	Reason/ Data Source/Agency
Noise	X		No residential dwelling within ¼ mile.
Air quality	X		No additional air quality issues.
Water resources, including surface water, groundwater, wetlands, coastal areas, and floodplains	X		No surface water, groundwater, wetlands, floodplains – see FEMA map and wetland map in NEPA Checklist (Appendix E)
Geology and soil resources, including prime and unique farmlands and hydric soils	X		Part of mine property – previously disturbed by roadway and adjacent tower site.
Biological resources, including general vegetation, wildlife, wildlife habitat, migratory birds, and wetland habitat	X		Clearance letter from USFWS dated 3/9/01 and WV DNR dated 9/2/10 (see NEPA Checklist Appendix B)
Threatened and endangered species and critical habitat	X		Clearance letter from USFWS dated 3/9/01 and WV DNR dated 9/2/10 (see NEPA Checklist Appendix B)
Cultural resources, including architectural resources, archaeological resources, and Traditional Cultural Properties	X		SHPO clearance letter dated 1/31/11 (see NEPA Checklist Appendix C)
Buildings or structures 50 years old or older	X		Structures within ½-mile, but SHPO determined that none eligible for NRP.
Socioeconomic resources, including economic development, demographics, and demand for housing and public services	X		Very few residential dwellings within ½-mile.
Environmental justice (minority and low-income populations)	X		Limited population within ½-mile.
Aesthetics and visual resources	X		Closest wilderness area/national park is New River Gorge, which is about 6miles east.
Human health and safety	X		Limited hazardous activity on the National Guard property (see Phase I ESA report for EDR report – no sites reported)
Infrastructure, utilities, transportation and waste mgt.	X		Existing utilities are present.
Land use planning and zoning	X		Telecommunication ordinance in Fayette County. A building permit may be

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			needed.
Hazardous waste/ contamination	X		Wooded land and strip mined land according to historical topos and aerials (see Phase I ESA report)
Community facilities and services	X		No facilities within 1/2-mile.

D. OTHER INFORMATION *(Please answer the following questions/provide requested information.)*

Are personnel preparing this form familiar with the site? Yes No

Did personnel visit site? Yes No

Is the project part of an approved plan such as a Master Plan or an Implementation Plan or any larger action with an accompanying National Environmental Policy Act (NEPA) document? Yes No *(If yes, give the plan name, and please include a copy of the NEPA document)*

Is the project still consistent with the approved plan? Yes No

(If no, additional EHP compliance requirements may apply.)

Is the environmental document accurate and up-to-date? Yes No

(If no, additional EHP compliance requirements may apply.)

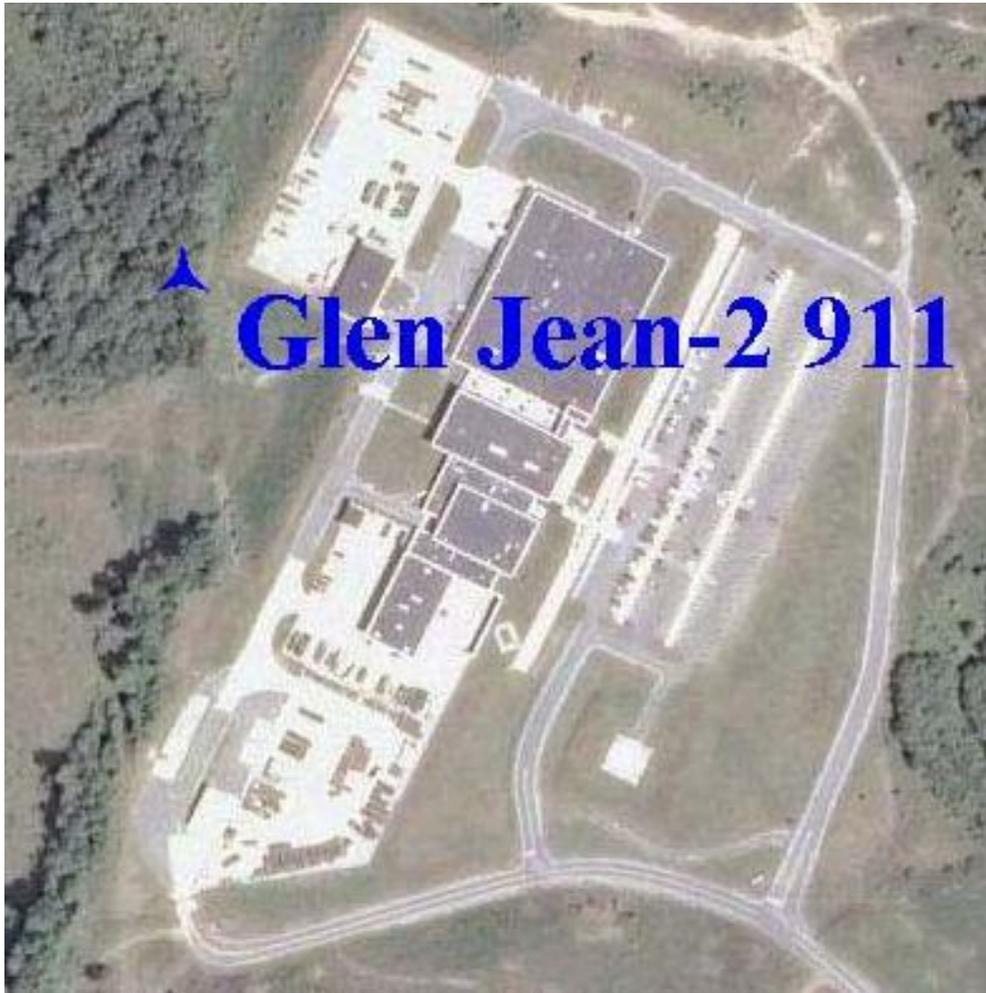
What was the decision of the NEPA document? *(Check one, and please attach):*

Finding of No Significant Impact (FONSI) OR

Record of Decision (ROD)

Date approved _____

**Grantee Environmental and Historical Preservation
Picture Documentation**



Applicant Name: X Bus Company

Grant Program: Emergency Mgt. Performance Grant

Grant Number: 2008-EM-E8-0010

Project 1: Construction of a 300-foot self-support tower. Construction of a 75-ft. by 75-ft. chain link security fenced compound. A total of 40 fence post holes 6" in diameter and 36" deep will be dug. The property is not located in a designated flood plain or a designated wetland and there are no buildings to be a designated historical property.

Appendix B
Phase I Environmental Site Assessment
Report

Appendix C

NEPA Checklist