

2/15/2011



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
PRAP/ROD ROUTING SLIP



TO: Robert Schick, Assistant Division Director
FROM: The attached is submitted for your approval by:

NAME	INITIAL	DATE
Project Manager: Heather L. Bishop	<i>HLB for HB</i>	2/15/2011
Section Chief/RHWRE: John Swartwout	<i>JBS</i>	2/15/2011
Bureau Director: James Harrington	<i>JH</i>	2/15/2011

DATE: 2/15/2011

RE: **Site Name** Griffiss Air Force Base *Coal Storage Yard Area* **Site Code** 633006
City Griffiss AFB **County** Oneida

PRAP

- Draft PRAP
- Clean copy of the PRAP
- Redline/Strikeout version of the PRAP
- Copies of edits to PRAP (Robert's/Dale's)
- Site Briefing Report
- NYSDOH concurrence letter
- ~~USEPA~~ ^{AF} concurrence letter *for signature*
- OGC Referral
 - Attached
 - Not Required: Explain:
- Project Reviews (IGP-13) (if waived, explain why)
 - Scoping RI date:
 - Scoping FS date:

We have the hard copy →

PRAP Release Approvals	
Ass't Div Director: <u><i>Robert Schick</i></u>	2/16/2011
Robert Schick	
Division Director: _____	2/16/2011
Dale Desnoyers	

ROD

- Draft ROD
- Signature-ready copy of the ROD
- Redline/Strikeout version of the ROD
- Copies of edits to ROD (Robert's/Dale's)
 - Site Briefing Report
- NYSDOH concurrence letter
- USEPA concurrence letter

ROD Signoff	
Ass't Div Director: _____	
Robert Schick	

BRIEFING

Date: _____ **Time:** _____ **Room:** _____

c: Dale Desnoyers
Other reviewers who are invited to Briefing



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
Site Briefing Report



Site Code	633006	Site Name	Griffiss Air Force Base	
Classification	02	Address	Headquarters Bldg. 416 CSG/SAC	
Region	6	City	Griffiss AFB	Zip 13441
Latitude	43.2437	Town	Rome (c)	
Longitude	-75.4111	County	Oneida	Project Manager Heather L. Bishop
Disposal Area	Dump, Landfill			Estimated Size 650.0000

Site Description

The entire Former Griffiss Air Force Base encompasses approximately 3,550 acres. An Inter-Agency Agreement (IAG) has been negotiated to address these areas through Remedial Investigation/ Feasibility Studies (RI/FSs). The parties involved in the agreement are the US Department of Defense (DOD), the USEPA and the NYSDEC. NYSDEC and NYSDOH have provided concurrence with the EPA Notice of Partial Deletion (NOPD). The final NOPD was posted in the Federal Register March 20, 2009.

The Department has removed all areas covered under the NPL partial deletion from the NYS Registry of Inactive Hazardous Waste Disposal Sites. When the Base was listed by the USEPA on the NPL, the site was listed from "fenceline to fenceline" and the entire Base of approximately 3,550 acres was listed on the NPL. The majority of the Base, 2,900 acres in total, has been deleted from the NPL. The remaining active sites (approximately 650 acres) remain on the NPL.

The Air Force base has been closed since 1994, and portions of the property are now being leased or sold for industrial redevelopment, and in one case, redeveloped as a school.

Areas of concern include several landfills, a former government salvage yard, a hazardous waste storage area, several drywells and leaching pits, and various areas containing spilled JP-4 jet fuel. The US Air Force has already completed many studies and remedial actions. The IAG provides the framework within which the merit of these actions are judged and the remaining areas of concern investigated.

Contaminants were detected in off-site drinking water wells back in 1989. Following this discovery, the US Air Force paid to have a water main extended to the affected residents. This project was completed by 1991. RI field work was conducted during the summer and fall of 1994. This fieldwork covered 31 areas of concern on the site. A 31 volume draft final Remedial Investigation report was submitted in the fall of 1996. Thirty Eight sites have had Records of Decision (RODs) signed between 1999 and 2009.

RODs for Six Mile and Three Mile Creeks, the Electrical Power Substation, Building Three Drywell, and Lot 69 were completed in 2004. A ROD for the Small Arms Range was completed in 2007. Remedial work at Three Mile Creek was completed in 2008. RODs have been completed for the On Base Groundwater unit containing several groundwater plumes : Nosedocks / Apron 2, Landfill 6, Building 775, AOC 9, and Building 817 weapons storage area. Soil vapor intrusion surveys are being completed for several areas on Base including the On Base Groundwater plume areas, and several buildings on Base. Proposed plans are being finalized for Building 101, CYSA, and buildings; 110, 133, 771. In 2009 Records of Decision were completed for buildings 43 and 100, Tank Farms 1 & 3, and the Fire Protection Training Area.

Currently a draft PRAP for the Coal Yard Storage Area is under review. A draft Finding of Suitability for

2/15/2011

Early Transfer (FOSET) for several AOCs is under review. A Work Plan for groundwater monitoring and design at AOC9 is under review. An Interim remedial Action report for the On-Base Groundwater AOC is under review.

Please go to the link : griffiss.com
for additional mapping information on the delisted portions of the site.

Contaminants of Concern (Including Materials Disposed)	Quantity Disposed
AND PCBS	UNKNOWN
HEAVY METALS, WASTE OIL, SOLVENTS	UNKNOWN

Analytical Data Available for : Groundwater, Surface Water, Soil

Applicable Standards Exceeded for: Groundwater, Surface Water, Drinking Water

Site Environmental Assessment

Impacts on both Three and Six Mile Creeks have been documented and have been largely addressed. There are also impacts to the groundwater on site as evidenced by volatile organics that had been found in monitoring wells.

Site Health Assessment

Solvents and glycols were detected in private water supplies at levels above the drinking water standards in a small area southeast of the base. Public water was extended to the impacted area. An eighteen month private well monitoring program was conducted in areas not served by public water and no evidence of area wide glycol contamination was identified. A fish consumption advisory is in place for white suckers in Three Mile Creek. Access to areas of concern on the site are controlled.

Remedy Description and Cost

Remedy Description for Operable Unit 38

The Coal Storage Yard Area (CSYA) AOC is an approximately 3-acre site located in the central portion of the former base (see Figures 1-1 and 1-2). The site consists of the CSYA, Rainbow Creek, and Area of Interest (AOI) 66. This site was a Defense Reutilization and Marketing Office (DRMO) salvage yard/landfill from the 1940s into the 1980s. Incidents of chemical releases directly onto the soil surface had been reported. Unknown quantities of scrap drums and transformers may have been disposed of at this site and several hundred drums of pesticides were reportedly stored at this site in the 1970s. The primary contaminants of concern were PCBs. VOCs, SVOCs, and metals were also present. Surface water drainage from this site enters a drainage swale that leads to the drainage ditch informally referred to as "Rainbow Creek." Surface water ultimately flows into Six Mile Creek approximately 6,000 feet east of the site. Area of Interest (AOI) 66 was identified during the AOI screening process. Based on aerial photography, it was determined that the DRMO storage area extended south of the CSYA. This extension was investigated as AOI 66 to ensure that the entire former DRMO storage area had been addressed. Much of the area is covered with a concrete coal storage pad and the remaining area is grass-covered with a relatively flat topography. The northern portion of the site included a 375-foot railroad spur. Groundwater in this area flows in a northeasterly direction toward a storm water drain, which drains eastward into Rainbow Creek. The depth to groundwater ranges from 5 to 15 feet below ground surface. The soils are generally silty fine sand, with gravel at the western and eastern ends of the area, and sandy gravel in the center of the area. The deeper soils are generally gravelly silt. Two IRMs have been completed, one in 1997 and one in 1999, to remove contaminated soils. A culvert was recently installed along the section of rainbow creek that outlets to Six Mile Creek to enlarge a parking area for a bus garage. The Air Force recommends no further action for soil with land use and groundwater use restrictions for portions of the CSYA Operable Unit, including the CSYA, AOI 66, Rainbow Creek and the DRMO.

Total Cost

Capital Cost

OM&M Cost

Issues / Recommendations

NYSDEC Division of Fish and Wildlife is currently reviewing the draft PRAP with regard to the section of rainbow creek that has drained into six mile creek. Comments have not been received yet.

DOH STATE OF NEW YORK
DEPARTMENT OF HEALTH

Flanigan Square 547 River Street Troy, New York 12180-2216
www.health.ny.gov

Nirav R. Shah, M.D., M.P.H.
Commissioner

James W. Clyne, Jr.
Executive Deputy Commissioner

February 15, 2011

Mr. Dale Desnoyers, Director
Division of Environmental Remediation
NYS Dept. of Environmental Conservation
625 Broadway – 12th Floor
Albany, NY 12233-7012

Re: Proposed Plan
Former Griffiss Air Force Base
Coal Storage Yard Area
Site ID #633006
Rome, Oneida County

Dear Mr. Desnoyers:

Staff reviewed the November 2010, Proposed Plan for the Coal Storage Yard Area Operable Unit at the Former Griffiss Air Force Base site in Rome, Oneida County. The Coal Storage Yard Area Operable Unit is comprised of three sites grouped together based on their geographic proximity and includes the Coal Storage Yard Area AOC, which includes the Coal Yard Storage Area, Rainbow Creek, and Area of Interest (AOI) 66; Pumphouse 5 Source Removal AOC; and the Defense Reutilization Marketing Office (DRMO). The remedy for Rainbow Creek and the eastern portion of the DRMO is no further action. The remedy for the remaining area includes restricting the site to commercial/industrial use, restricting groundwater use, and restricting relocation of soils excavated from greater than 1 foot below ground surface or from below the geotextile fabric located in the former Rainbow Creek location. Five-year reviews will be conducted to ensure continued compliance with the restrictions.

Based on this information, I concur with the proposed remedy and believe it is protective of public health. If you have any questions, please call me at (518) 402-7860.

Sincerely,



Steven M. Bates, Acting Director
Bureau of Environmental Exposure Investigation