



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



DATE: 10/5/2016

Site Code:	152148	Site Name:	Gabreski Air National Guard Base
City:	Southampton/Westhampt	Town:	Southampton
Region:	1	County:	Suffolk
Current Classification:	P	Proposed Classification:	02
Estimated Size (acres):	89.00	Disposal Area:	
Significant Threat:	Unknown	Site Type:	
Priority ranking Score:	400	Project Manager:	John Swartwout

Summary of Approvals

Originator/Supervisor: John Swartwout	09/08/2016
RHWRE: Walter Parish:	09/09/2016
BEEI of NYSDOH:	09/12/2016
CO Bureau Director: James Harrington, Director, Remedial Bureau A:	09/12/2016
Assistant Division Director: Michael J. Ryan, P.E.:	09/12/2016

Basis for Classification Change

Seven Suffolk County Water Authority (SCWA) public supply wells, located in the Meetinghouse Road and Gus Guerrera Wellfields just south of Gabreski Air National Guard Base (ANG), have been shown to contain PFOS contamination at levels exceeding the USEPA Health Advisory Level (HAL) of 70 ppt. The Meetinghouse Road Wellfield is downgradient of the Suffolk ANG Fire Training Area (FTA) and the nearby Gabreski Airport FTA. The ANG performed fire training activities utilizing aqueous film forming foam (AFFF) at both FTAs. The Gus Guerrera Wellfield is downgradient of Suffolk ANG hangars, which are equipped with fire suppression systems which are known to have utilized AFFF.

Private water supplies are located downgradient (south) of the airport and Suffolk County has initiated a well sampling program. As of September 6, 2016 analyses had been received from 52 private wells. A total of 8 wells were shown to contain PFOA/PFOS in exceedance of the HAL. The highest level was 562 ppt.

In July 2016 DEC installed six vertical profile borings at the two FTAs. A sample from immediately downgradient of the current FTA was found to contain PFOS at 58,900 ppt and PFOA at 6,930 ppt. A sample from immediately downgradient of the former ANG FTA was found to contain PFOS at 44,300 ppt and PFOA at 653 ppt. The ANG identified 16 Areas of Concern requiring investigation for PFOA/PFOS and notified Suffolk County that a release of perfluorinated compounds (PFCs)



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occurred.

Site Description - Last Review: 09/15/2016

Location:

The site is the Gabreski Air National Guard Base which is a part of the Francis S. Gabreski Airport located in the Town of Southampton in Suffolk County on the eastern end of Long Island. Francis S. Gabreski Airport, formerly known as Suffolk County Airport, is on Old Riverhead Road, approximately two miles north of the Atlantic Ocean shoreline in Westhampton Beach. The airport is owned by Suffolk County. The airport is bounded to the north by undeveloped land, to the east by the Quogue Wildlife Refuge, to the south by the Long Island Railroad, and to the west by Old Riverhead Road.

Site Features:

The ANG leases 88.5 acres of runways, hangars, and maintenance/service facilities on the southwest side of the airport. This site also includes the current 0.5 acre Airport Fire Training Area which was utilized by the Air National Guard. Installation Restoration Program Site 8 which was previously listed on the Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 site, is a composite of underground structures including cesspools, septic tanks, distribution boxes, oil/mud traps, and dry wells at various locations throughout the Base. The structures have either been removed or abandoned in place. None of the septic system structures are still in use. Site 8 includes 21 subsites, based on the individual structures and subsystems that were identified. The total area of all the Site 8 sub-sites is approximately one acre.

Current Zoning/Uses:

The 106th Rescue Wing of the New York Air National Guard currently provides peacetime and combat search and rescue services on a world-wide basis. Operations at the base include aircraft and ground-vehicle maintenance. To support these activities, aircraft and vehicle maintenance facilities are active and involve the use, storage, and disposal of hazardous materials including petroleum, oil, lubricants, acids, paints, thinners, strippers, and solvents. The area is zoned commercial and industrial.

Historic Uses :

The U.S. Army developed the airfield in 1941 as the Westhampton Beach Army Airfield to use for gunnery training for World War II. A private oil company leased the airfield from 1948 to 1951. In 1951 the U.S. Air Force reactivated the airfield as the Suffolk County Air Force Base. The Air Force deactivated and closed the base in 1969 and Suffolk County began operating the airfield as Suffolk County Airport. The ANG base opened in June 1970 and had both air refueling and fighter-interceptor missions during the early 1970s. In 1975 the mission changed to aerospace rescue and recovery. A site investigation conducted by the Department of Defense under the Installation Restoration Program in 1994 revealed the presence of chlorinated solvents in sludge samples that were collected from the old septic tanks and cesspools on the base. More recently, efforts have been initiated nationally to assess the impact due to past use of aqueous film forming foam (AFFF), a firefighting agent used by the Air Force and other Defense Department and civilian agencies since 1970 to combat petroleum-based fires, which contains both PFOA and PFOS. The Air Force used this foam at crash sites and fire training areas in both closed and open Air Force bases.

Operable Units: The site was divided into two operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate, or mitigate a release, threat of a release, or exposure pathway resulting from the site contamination. OU01 consists of Installation Restoration Program Site 8 which is the former septic systems



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described under Site Features above. OU02 consists of base-wide investigation of contamination by perfluorinated compounds (including PFOA and PFOS) and also includes the current Airport Fire Training Area which is utilized by Air National Guard personnel.

Site Geology and Hydrogeology:

The direction of groundwater flow beneath the Airport (in the upper glacial aquifer) is toward the south-southeast. Depth to groundwater averages 35 to 40 ft below ground surface (bgs). The deeper aquifer beneath the site is an EPA-designated sole source aquifer which is interconnected with the overburden aquifer. There are drinking water wells that are located within a mile southeast of the site (Suffolk County Water Authority Well Field).

Contaminants of Concern (Including Materials Disposed)	Quantity Disposed
OU 01	
1,1,1-TRICHLOROETHANE (F001 & F002 WASTE)	0.00
TRICHLOROETHYLENE (F001 & F002 WASTE)	0.00
DICHLOROBENZENE (F002 WASTE)	0.00
OU 02	
perfluorooctanoic acid	
Perfluorooctane Sulfonic Acid	

Analytical Data Available for : Groundwater, Soil

Applicable Standards Exceeded for: Groundwater, Soil

Site Environmental Assessment- Last Review: 09/15/2016

Nature and Extent of Contamination:

Groundwater and soil underlying Site 8 was impacted by the wastes disposed in the septic systems. In 1994, a Site Investigation was conducted to determine if the contaminants detected in the septic systems had migrated to soil and/or groundwater. The source areas were remediated in 2003 as an interim remedial measure (IRM) time critical removal action. The removal action addressed 21 sub-sites. No groundwater contaminants, except copper, were confirmed at elevated levels during subsequent investigations and Site 8 was determined to be fully remediated. Note that PFOA and PFOS were not analyzed for at that time.

Suffolk County Water Authority (SCWA) conducted sampling of public supply wells (2015) and private supplies (2016) proximate to the site, in areas downgradient of two Fire Training Areas and the base aircraft hangars. The sample program showed that groundwater downgradient of the base has been impacted by PFOS and PFOA, likely associated with aqueous film forming foam (AFFF) which has been used at the base for fire-fighting, fire training, and fire suppression systems. Impacted wells initially were taken out of service or had their water blended with unaffected wells. SCWA is installing GAC treatment on the impacted wells and some have been returned to service. A groundwater monitoring well installed and sampled by Suffolk County Department of Health Services between the Airport property and the Meetinghouse Road Wellfield in July 2016 was found to contain PFOS at 14,300 parts per trillion (ppt).

In July, 2016 DEC installed six vertical profile borings at the two Fire Training Areas. A groundwater sample from immediately downgradient of the current Fire Training Area was found to contain PFOS at 58,900 ppt



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and PFOA at 6,930 ppt. A groundwater sample from immediately downgradient of the former ANG Fire Training Area was found to contain PFOS at 44,300 ppt and PFOA at 653 ppt.

Site Health Assessment - Last Update: 09/12/2016

Groundwater is contaminated and actions are needed to reduce human exposures to site related contamination identified in off-site public and private drinking water supplies. Additional information is needed to determine the extent that site related contamination is present for all other media. This human exposure assessment will be revised as additional information becomes available.

	Start		End	
OU 01				
Reclass Pkg.	11/4/13	ACT	4/1/14	ACT
Remedial Investigation	8/1/97	ACT	3/29/12	ACT
OU 01A				
Remedial Action	9/2/02	ACT	12/1/03	ACT
OU 02				
OGC Docket - SSF Order or Referral	12/7/16	ACT	5/31/17	PLN
Reclass Pkg.	9/8/16	ACT	10/5/16	ACT
Site Characterization	4/28/17	PLN	8/31/17	PLN

Remedy Description and Cost

Remedy Description for Operable Unit 01

The IRM work consisted of a Time Critical Removal Action for the Site 8 old base septic systems. Site 8 is subdivided into 21 subsites, 8A through 8U. The septic system for each subsite consists of septic tanks and/or cesspools. See IRM 01A for a detailed description of the remediation of the septic systems.

The final action chosen in the ROD for Site 8 combined collecting an additional round of groundwater samples from one groundwater monitoring well (MW-009) with a recommendation for No Further Action. The analytical data obtained from the additional sampling at MW-009 has provided evidence that the elevated concentrations of copper were due to entrained sediments in the groundwater.

Total Cost \$20,000



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Site Name: Gabreski Air National Guard Base

Remedy Description for Operable Unit 01A

A Time Critical Removal Action (TCRA) was performed at Site 8 during 2003, during which the majority of the subsurface structures were closed.

The TCRA septic system removal was completed for 21 sub sites. Site 8 is a composite of cesspools, septic tanks, distribution boxes, oil/mud traps, and dry wells, which constituted the former sewage treatment system at the base. The system is comprised of five cells, referred to as Cells 1 through 5, and includes 21 subsites, 8A through 8U. Each of the five cells are associated with multiple structures.

These structures treated discharges from buildings where industrial and/or equipment maintenance activities were conducted. Volatile and semivolatile organic compounds were detected in sludge and liquid samples obtained from some structures. During the TCRA, 23 septic system subsites were remediated including 20 septic tanks, 49 cesspools, and 10 distribution boxes. Approximately 44,000 gallons of water, 158 cubic yards of sludge and 840 cubic yards of soil and construction debris were removed and transported off-base for disposal.

No groundwater contaminants, except copper, were measured at elevated levels during subsequent investigations. The March 2012 Final Project Closeout Report found that the elevated concentrations of copper were due to entrained sediments in the groundwater.

Total Cost



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Site Name: Gabreski Air National Guard Base

Remedy Description for Operable Unit 02

Total Cost

OU

Site Management Plan Approval:

Status:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Form
10/5/2016

SITE DESCRIPTION

SITE NO. 152148

SITE NAME Gabreski Air National Guard Base

SITE ADDRESS: Old River Head Road **ZIP CODE:** 11978

CITY/TOWN: Southampton/Westhampton

COUNTY: Suffolk

ALLOWABLE USE:

SITE MANAGEMENT DESCRIPTION

SITE MANAGEMENT PLAN INCLUDES:

IC/EC Certification Plan	NO
Monitoring Plan	NO
Operation and Maintenance (O&M) Plan	NO

Periodic Review Frequency: NO

Periodic Review Report Submittal Date:



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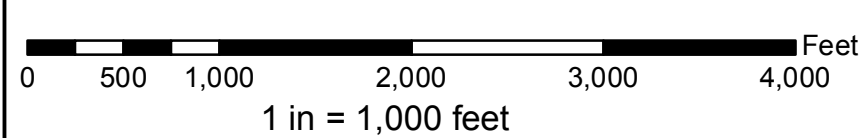
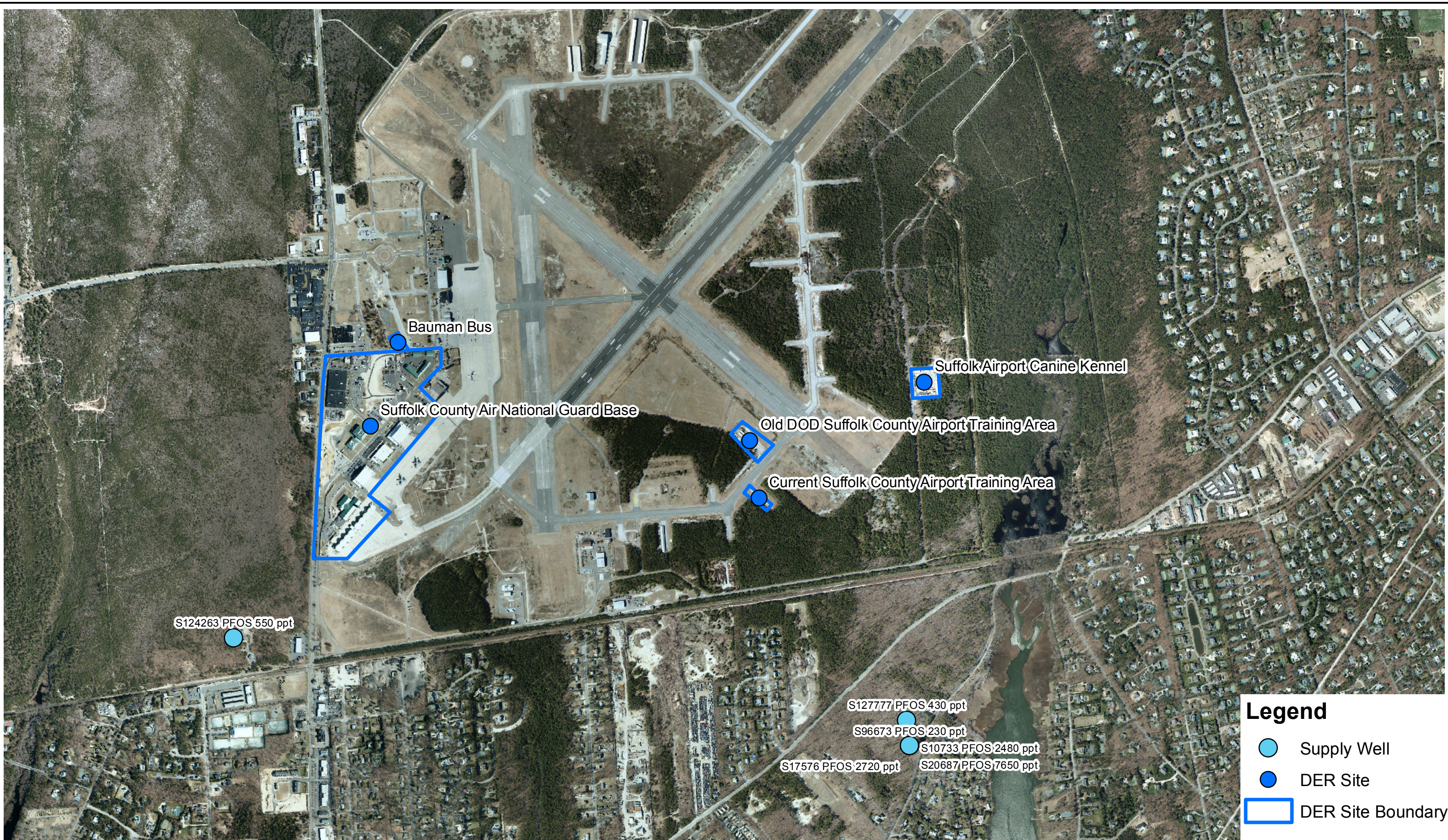
Description of Institutional Control

0

Not Applicable/No IC's

Description of Engineering Control

Not Applicable/No EC's



New York State Department of Environmental Conservation
Division of Environmental Remediation Sites at Gabreski Airport





PUBLIC NOTICE

State Superfund Program

Receive Site Information by Email. See next page to Learn How.

Site Name: Gabreski Air National Guard Base

October 5, 2016

Site No. 152148 **Tax Map No.** 900.312-1-1

Site Location: Old River Head Road, Southampton, NY 11978

Inactive Hazardous Waste Disposal Site Classification Notice

The Inactive Hazardous Waste Disposal Site Program (the State Superfund Program) is the State's program for identifying, investigating, and cleaning up sites where the disposal of hazardous waste may present a threat to public health and/or the environment. The New York State Department of Environmental Conservation (DEC) maintains a list of these sites in the Registry of Inactive Hazardous Waste Disposal Sites (Registry). As of the date of this notice, the site identified above, and located on a map on the reverse side of this page, was added to the Registry as a Class 2 site that presents a significant threat to public health and/or the environment for the following reason(s):

Perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) have been detected at elevated levels in on- and off-site groundwater and in off-site public and private drinking water wells. The concentrations of PFOS/PFOA in the drinking water supplies exceed the United States Environmental Protection Agency's (USEPA's) drinking water health advisory for PFOS/PFOA. Actions are needed to reduce human exposures to PFOS/PFOA in the water supplies.

DEC will keep you informed throughout the investigation and cleanup of the site.

If you own property adjacent to this site and are renting or leasing your property to someone else, please share this information with them. If you no longer wish to be on the contact list for this site or otherwise need to correct our records, please contact DEC's Project Manager listed below.

FOR MORE SITE INFORMATION

Additional information about this site can be found using DEC's "Environmental Site Remediation Database Search" engine which is located on the internet at:

www.dec.ny.gov/cfm/externalapps/derexternal/index.cfm?pageid=3

Comments and questions are always welcome and should be directed as follows:

Project Related Questions

John Swartwout, Project Manager
NYS Department of Environmental Conservation
DER - Remedial Bureau A
625 Broadway
Albany, New York 12233-7015
John.Swartwout@dec.ny.gov
518-402-9620

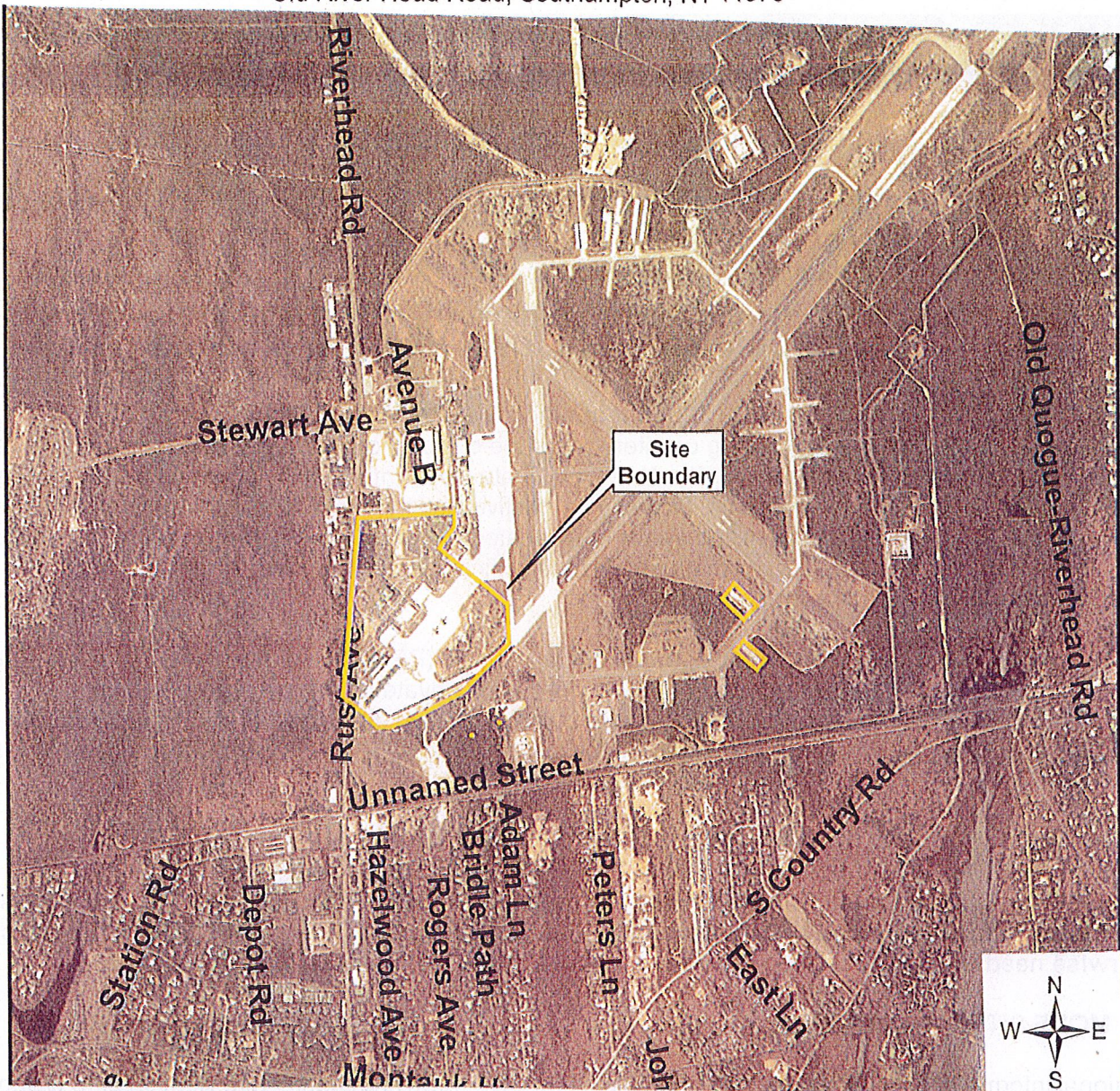
Site Related Health Questions

Steven Karpinski, Project Manager
NYS Department of Health
Bureau of Environmental Exposure Invest.
Corning Tower – Room 1787
Empire State Plaza
Albany, New York 12237
BEEI@health.ny.gov
518-402-7860

DEC is sending you this notice in accordance with Environmental Conservation Law Article 27, Title 13 and its companion regulation (6 NYCRR 375-2.7(b)(6)(ii)) which requires DEC to notify all parties on the contact list for this site of this recent action.

Approximate Site Location

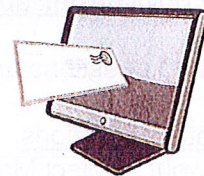
Gabreski Air National Guard Base, Site ID 152148
Old River Head Road, Southampton, NY 11978



Receive Site Updates by Email

Have site information such as this public notice sent right to your email inbox. DEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page:

www.dec.ny.gov/chemical/61092.html. It's *quick*, it's *free*, and it will help keep you *better informed*.



As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select.

You may continue also to receive paper copies of site information for a time after you sign up with a county listserv, until the transition to electronic distribution is complete.

Note: Please disregard if you received this notice by way of a county email listserv.

Electronic copies:

R. Schick, Director, Division of Environmental Remediation
J. Quinn, Director, Bureau of Technical Support
K. Lewandowski, Chief, Site Control Section
J. Harrington, Director, Remedial Bureau A
W. Parish, RHWRE, Region 1
R. Evans, Regional Permit Administrator, Region 1
B. Fonda, Regional CPS, Region 2
K. Anders, NYSDOH
C. Bethoney, NYSDOH Regional Chief
S. Karpinski, NYSDOH Project Manager
L. Ennist, DER, Bureau of Program Management
D. Feldman, Suffolk County
J. Swartwout, Project Manager
S. Heigel, Site Control Section

Jody Murata
ANG/CEVR
Air National Guard Readiness Center
3500 Fetchet Avenue
Andrews Air Force Base, MD 20762

Dr. James Tomarken
Commissioner
Suffolk Co. Dept. of Health Services
225 Rabro Drive East
Hauppauge, NY 11788

Mr. Stephen Jones
Suffolk County Water Authority
4060 Sunrise Highway
Oakdale, NY 11769

Ms. Judith A. Pascale
Suffolk County Clerk
310 Center Drive
Riverhead, NY 11901

Mr. Paul A. TeNyenhuis
Suffolk County Soil and Water
Conservation District, District Manager
423 Griffing Avenue, Suite 110
Riverhead, NY 11901

Honorable Mar Epley, Mayor
Village of Southampton
23 Main Street
Southampton, NY 11968

Editor
Southampton Press
PO Box 1207
Southampton, NY 11969

Frank Furino
733B Cooke St
Westhampton Beach, NY 11978

Australian Physiotherapy C
645 Hamilton Ave
Westhampton Beach, NY 11978

William Dutis
752 Hamilton Ave
Westhampton Beach, NY 11978

Shawn Denton
106th Rescue Wing
Francis S. Gabreski Airpor (ANG)
150 Old Riverhead Road
Westhampton Beach, NY 11978-1201

Mr. Thomas Isles, Commissioner
Suffolk Co. Department of Planning
100 Veterans Memorial Hwy
Hauppauge, NY 11788

Honorable Steven Bellone
Suffolk County Executive
H. Lee Dennison Building
P.O. Box 6100
100 Veterans Memorial Highway
Hauppauge, NY 11788

Mr. Ron Paulsen
Suffolk Co. Dept of Health Services
225 East Rabro Drive
Hauppauge, NY 11788

Suffolk County Water Authority
2045 Route 112, Suite 5
Coram, NY 11727

News 12
Long Island
1 Media Crossways
Woodbury, NY 11797

Editor
Westhampton Chronicle
12 Mitchell Road
Westhampton Beach, NY 11978

Michelle Gamble
741A Cooke St
Westhampton Beach, NY 11978

Connell Nolan Associates Ltd
760 Hamilton Ave
Westhampton Beach, NY 11978

Shawn Ethier
656A Hamilton Ave
Westhampton Beach, NY 11978

Ms. Alice Amrhein, Commissioner
Suffolk Co. Dept. of Economic Dev.
PO Box 6100
Hauppauge, NY 11788

Mr. Charles Bartha, Commissioner
Suffolk Co. Dept. of Public Works
335 Yaphank Ave
Yaphank, NY 11980

Mr. Thomas A. Isles
Suffolk County Planning Director
H. Lee Dennison Building
P.O. Box 6100 2nd Floor
Hauppauge, NY 11788

Commissioner
Office of Cancer Awareness &
Environmental Assessment
Suffolk Co. Dept of Environment & Energy
H. Lee Dennison Building
P.O. Box 6100 2nd Floor
Hauppauge, NY 11788
Honorable Conrad Teller, Mayor
Village of Westhampton Beach
92 Sunset Avenue
Westhampton Beach, NY 11978

Newsday
Long Island Desk
235 Pinelawn Ave
Melville, NY 11747-4250

Gaspar Castro
743B Cooke St
Westhampton Beach, NY 11978

Rubin Sherman
742 Cooke St
Westhampton Beach, NY 11978

Juliana Delafuente
655A Hamilton Ave
Westhampton Beach, NY 11978

P Frasca
651A Hamilton Ave
Westhampton Beach, NY 11978

Gilberto Garcia
657A Hamilton Ave
Westhampton Beach, NY 11978

Lori Giorlando
759 Hamilton Ave
Westhampton Beach, NY 11978

Susan Grube
756 Hamilton Ave
Westhampton Beach, NY 11978

Guaranteed Chimney Services Inc
754 Hamilton Ave
Westhampton Beach, NY 11978

Guaranteed Contracting
754 Hamilton Ave
Westhampton Beach, NY 11978

Christopher Kampfer
758 Hamilton Ave
Westhampton Beach, NY 11978

M Langhorn
649B Hamilton Ave
Westhampton Beach, NY 11978

Jay Hecht
641B Ent Ave
Westhampton Beach, NY 11978

Vanessa Jones
641A Ent Ave
Westhampton Beach, NY 11978

Vincent Raimo
729 Ent Ave
Westhampton Beach, NY 11978

A Waterbury
727 Ent Ave
Westhampton Beach, NY 11978

Sigmund Milouski
Old Riverhead Rd
Westhampton Beach, NY 11978

S Novick
Old Riverhead Rd
Westhampton Beach, NY 11978

Wilson Mktng Enterprises
Old Riverhead Rd
Westhampton Beach, NY 11978

Adrian Carrello
749C Selfridge St
Westhampton Beach, NY 11978

Joe Carrello
749C Selfridge St
Westhampton Beach, NY 11978

Sandra Greenbaum
749A Selfridge St
Westhampton Beach, NY 11978

Allan Mantel
749B Selfridge St
Westhampton Beach, NY 11978

Jill Acquino-Jones
634B Stewart Ave
Westhampton Beach, NY 11978

Sharon Frost
639A Stewart Ave
Westhampton Beach, NY 11978

Margaret Kearns
633A Stewart Ave
Westhampton Beach, NY 11978

Anthony C. Ceglio, Airport Manager
Francis S. Gabreski Airport
Administrative Building #1
Westhampton Beach, NY 11978

Richard P. McCoy, Branch Chief
Environ. Restoration Air National Guard
NGB/A4OR
Sheppard Hall
3501 Fetchet Avenue
Andrews AFB, MD 20762-5157

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Office of the Director
625 Broadway, 12th Floor, Albany, New York 12233-7011
P: (518) 402-9706 | F: (518) 402-9020
www.dec.ny.gov

CERTIFIED MAIL **RETURN RECEIPT REQUESTED**

September 12, 2016

Anthony C. Ceglio
Suffolk County Airport
Suffolk County Administration Building
Westhampton Beach, NY 11978

Walter Dawydiak, P.E.
Director, Division of Environmental Quality
Suffolk County Department of Health Services
360 Yaphank Avenue
Yaphank, NY 11980

Dear Messrs Ceglio and Dawydiak:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), the New York State Department of Environmental Conservation (DEC) must maintain a registry of all inactive disposal sites suspected or known to contain hazardous wastes. The ECL also mandates that DEC notify, by certified mail, the owner of all or any part of each site or area to be included in the Registry of Inactive Hazardous Waste Disposal Sites.

Our records indicate that you are the owner or part owner of the site listed below. Therefore, this letter constitutes notification of inclusion of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry). Once listed in the Registry, the site becomes subject to the provisions of 6 NYCRR Part 375. These regulations may be found at the following DEC website address:
<http://www.dec.ny.gov/regs/2491.html>.

DEC Site No.: 152148
Site Name: Suffolk County Air National Guard Base
Site Address: Old River Head Road
Site Classification: 2
Tax Map Identifiers:

In conjunction with this letter, the DEC issued a Notice and Demand Letter to the Air National Guard ("ANG") as the operator of the Site seeking ANG's commitment to fully undertake a Remedial Program that consists of an investigation and remediation of



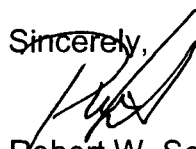
Department of
Environmental
Conservation

the Site, as well as managing, reimbursing, and funding of all activities addressing the impacts of the Site contamination, such as extension of public water lines to impacted and potentially impacted drinking water wells downgradient of the Site.

Enclosed is a copy of DEC's Inactive Hazardous Waste Disposal Site Report form as it will appear in the Registry. An explanation of the site classification is available at <http://www.dec.ny.gov/chemical/8663.html>.

For additional information, please contact the DEC Project Manager, Heather Bishop at (518) 402-9627.

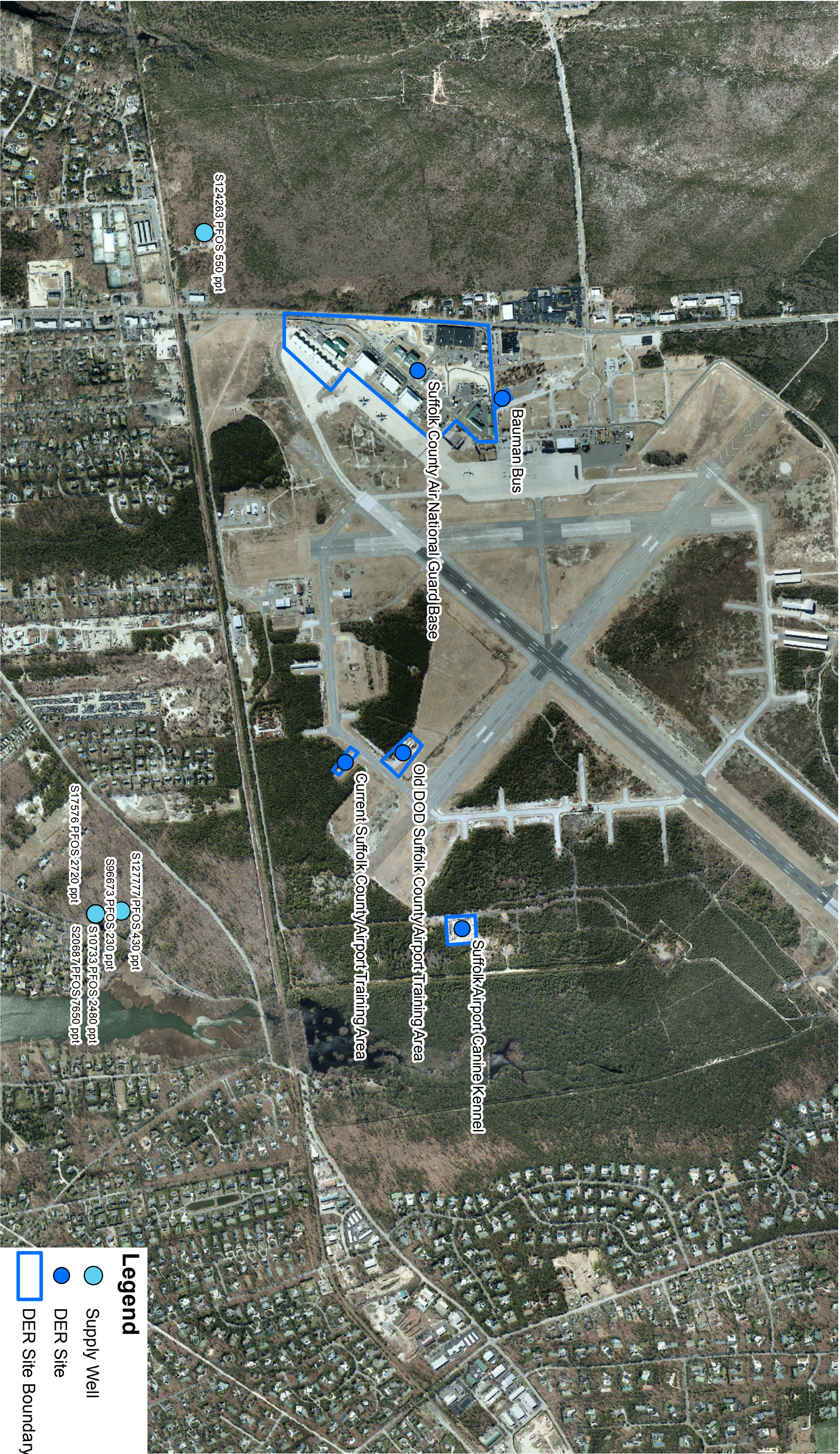
Sincerely,

A handwritten signature in black ink, appearing to read 'R. Schick', is written over the word 'Sincerely,'.

Robert W. Schick, P.E., Director
Division of Environmental Remediation

Enclosures

cc: H. Bishop



New York State Department of Environmental Conservation
Division of Environmental Remediation Sites at Gabreski Airport





**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
Inactive Hazardous Waste Disposal Report**



Site Code	152148				
Site Name	Suffolk County Air National Guard Base	Address	Old River Head Road		
Classification	P	City	Southampton/Westh	Zip	11978
Region	1	County	Suffolk	Town	Southampton
Latitude	40 degrees, 50 minutes, 17.53 seconds			Estimated Size	89.0000
Longitude	-72 degrees, 38 minutes, 40.93 seconds				
Site Type					

Site Description

Location:

The site is the Air National Guard Base which is a part of the Francis S. Gabreski Airport located in the Town of Southampton in Suffolk County on the eastern end of Long Island. Francis S. Gabreski Airport, formerly known as Suffolk County Airport, is on Old Riverhead Road, approximately two miles north of the Atlantic Ocean shoreline in Westhampton Beach. The airport is owned by Suffolk County. The airport is bounded to the north by undeveloped land, to the east by the Quogue Wildlife Refuge, to the south by the Long Island Railroad, and to the west by Old Riverhead Road.

Site Features:

The ANG leases 88.5 acres of runways, hangars, and maintenance/service facilities on the southwest side of the airport. This site also includes the current 0.5 acre Airport Fire Training Area which was utilized by the Air National Guard. Installation Restoration Program Site 8 which was previously listed on the Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 site, is a composite of underground structures including cesspools, septic tanks, distribution boxes, oil/mud traps, and dry wells at various locations throughout the Base. The structures have either been removed or abandoned in place. None of the septic system structures are still in use. Site 8 includes 21 subsites, based on the individual structures and subsystems that were identified. The total area of all the Site 8 sub-sites is approximately one acre.

Current Zoning/Uses:

The 106th Rescue Wing of the New York Air National Guard currently provides peacetime and combat search and rescue services on a world-wide basis. Operations at the base include aircraft and ground-vehicle maintenance. To support these activities, aircraft and vehicle maintenance facilities are active and involve the use, storage, and disposal of hazardous materials including petroleum, oil, lubricants, acids, paints, thinners, strippers, and solvents. The area is zoned commercial and industrial.

Historic Uses :

The U.S. Army developed the airfield in 1941 as the Westhampton Beach Army Airfield to use for gunnery training for World War II. A private oil company leased the airfield from 1948 to 1951. In 1951 the U.S. Air Force reactivated the airfield as the Suffolk County Air Force Base. The Air Force deactivated and closed the base in 1969 and Suffolk County began operating the airfield as Suffolk County Airport. The ANG base opened in June 1970 and had both air refueling and fighter-interceptor missions during the early 1970s. In 1975 the mission changed to aerospace rescue and recovery. A site investigation conducted by the Department of Defense under the Installation Restoration Program in 1994 revealed the presence of chlorinated solvents in sludge samples that were collected from the old septic tanks and cesspools on the base. More recently, efforts have been initiated nationally to assess the impact due to past use of aqueous film forming foam (AFFF), a firefighting agent used by the Air Force and other Defense Department and civilian agencies since 1970 to combat petroleum-based fires, which contains both PFOA and PFOS. The Air Force used this foam at crash sites and fire training areas in both closed and open Air Force bases.

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Site Geology and Hydrogeology:

The direction of groundwater flow beneath the Airport (in the upper glacial aquifer) is toward the south-southeast. Depth to groundwater averages 35 to 40 ft below ground surface (bgs). The deeper aquifer beneath the site is an EPA-designated sole source aquifer which is interconnected with the overburden aquifer. There are drinking water wells that are located within a mile southeast of the site (Suffolk County Water Authority Well Field).

9/9/2016

Materials Disposed at Site

OU 01

1,1,1-TRICHLOROETHANE (F001 & F002 WASTE)	UNKNOWN
TRICHLOROETHYLENE (F001 & F002 WASTE)	UNKNOWN
DICHLOROBENZENE (F002 WASTE)	UNKNOWN

OU 02

perfluorooctanoic acid	UNKNOWN
Perfluorooctane Sulfonic Acid	UNKNOWN

Analytical Data Available for : Groundwater, Soil

Applicable Standards Exceeded for: Groundwater, Soil

Assessment of Environmental Problems

Nature and Extent of Contamination:

Groundwater underlying Site 8 was impacted by the wastes disposed in the septic systems. In 1994, a Site Investigation was conducted to determine if the contaminants detected in the septic systems had migrated to soil and/or groundwater. The source areas were remediated in 2003 as an interim remedial measure (IRM) time critical removal action. The removal action addressed 21 sub-sites. No groundwater contaminants, except copper, were confirmed at elevated levels during subsequent investigations and Site 8 was determined to be fully remediated.

Suffolk County Water Authority (SCWA) conducted sampling of public supply wells (2015) and private supplies (2016) proximate to the site, in areas downgradient of two Fire Training Areas and the base aircraft hangars. The sample program showed that groundwater downgradient of the base has been impacted by PFOS and PFOA, likely associated with aqueous film forming foam (AFFF) which has been used at the base for fire-fighting, fire training, and fire suppression systems. Impacted wells initially were taken out of service or had their water blended with unaffected wells. SCWA is installing GAC treatment on the impacted wells and some have been returned to service. A groundwater monitoring well installed and sampled by Suffolk County Department of Health Services between the Airport property and the Meetinghouse Road Wellfield in July 2016 was found to contain PFOS at 14,300 parts per trillion (ppt).

In July, 2016 DEC installed six vertical profile borings at the two Fire Training Areas. A groundwater sample from immediately downgradient of the current Fire Training Area was found to contain PFOS at 58,900 ppt and PFOA at 6,930 ppt. A groundwater sample from immediately downgradient of the former ANG Fire Training Area was found to contain PFOS at 44,300 ppt and PFOA at 653 ppt.

Assessment of Health Problems

Since some contaminated soils remain at the site below concrete or clean backfill, people will not come in contact with contaminated soils unless they dig below the surface materials.

Owners

Current Owner(s)

Suffolk County Airport

Suffolk County Administration Building

Westhampton Beach NY 11978

Walter Dawydiak, P.E.

Suffolk County Department of Health Services

360 Yaphank Avenue

Yaphank NY 11980

Disposal Owner(s)

US AIR FORCE, DEPT. OF DEFENSE

NY

Operators

Current Operator(s)

Richard P. McCoy, PE

US Department of the Air Force

NGB/A4OR, Shepperd Hall

Joint Base Andrews MD 20762

Previous Operator(s)

US AIR FORCE, DEPT. OF DEFENSE

NY

OFFICE OF GENERAL COUNSEL

New York State Department of Environmental Conservation
625 Broadway, 14th Floor, Albany, New York 12233-1500
Phone: (518) 402-9185 • Fax: (518) 402-9018
www.dec.ny.gov

September 12, 2016

E-mail and Certified Mail, Return Receipt Requested

Randy Chambers
National Guard Bureau (NGB-JA)
AHS-Bldg 2, Suite T319B
111 S. George Mason Drive
Arlington, VA 22204

Re: **Extension of Public Water Line
Suffolk County Air National Guard Base Site (Registry No. 152148)**

Dear Mr. Chambers,

This will follow up on discussions between the New York State Department of Environmental Conservation ("DEC"), Suffolk County, and the National Guard Bureau regarding Interim Remedial Measures ("IRMs") needed to ensure the protection of public health in the vicinity of the Suffolk County Air National Guard Base Site ("Site").

As you know, high levels of Perfluorooctane Sulfonic Acid (PFOS) have been identified in the area of the Site operated by the Air National Guard and in downgradient groundwater. Based upon this information, the Department has determined that the Site constitutes a significant threat to public health or the environment. Consequently, DEC is designating the Site as a "Class 2" site pursuant to the classifications contained in Environmental Conservation Law Section 27-1305 for sites listed in New York State's *Registry of Inactive Hazardous Waste Disposal Sites*.

As discussed, DEC has determined that a public water line in the vicinity of the Site must be extended and connected to all private drinking water wells downgradient of the Air National Guard area of the Site. Analytical testing has identified PFOS in a number of drinking water wells. Concerns exist regarding the potential for the migration of PFOS to wells that are not yet contaminated. For this reason, an IRM program must be undertaken in the immediate future that connects the public water line to all structures with private drinking water wells, whether the wells currently show detectable levels of contamination or not.

DEC recognizes that the Air National Guard Bureau is involved in negotiations to reimburse Suffolk County for the costs of extending the public water line and connecting downgradient structures to the water line. While pleased that the Air National Guard Bureau is making initial efforts to step forward to address this important issue, DEC is concerned that a reimbursement commitment may fall short of the commitment sought by DEC. As mentioned, Suffolk County must be reimbursed for public water connections to all structures with private drinking water wells, whether the wells currently show detectable levels of contamination or not. DEC's technical experts have determined that connecting only structures with wells that are currently impacted is not protective of public health due to the high levels of contamination found at the Site, the proximity of the wells to the Site and other contaminated wells, and the potential that additional wells will become contaminated as the plume of



Department of
Environmental
Conservation

contamination migrates. In addition, because of the likelihood of continued contaminant migration, private drinking water wells that remain in use will require frequent analytical testing (possibly as frequently as monthly) into the indefinite future (at least 30 years). This is impractical for both regulators and homeowners and a significant expense for those undertaking to pay for the testing.

Please notify DEC within five business days of the date of this letter whether the Air National Guard Bureau has committed to reimburse Suffolk County for an IRM that provides public drinking water to all structures downgradient of the Air National Guard area of the Site. In the event the Air National Guard Bureau commits to undertake or reimburse the cost of the work, its commitment must be memorialized in an appropriate agreement or Order on Consent. The work must commence in the immediate future, and in no event later than ten business days of the date of this letter. If the Air National Guard Bureau does not commit to undertake or reimburse Suffolk County for the work, Suffolk County will likely request that DEC undertake the work using the Hazardous Waste Remedial Fund ("State Superfund") established by the State Finance Law ("SFL").

Pursuant to the New York State Environmental Conservation Law Article 27, Title 13, and the federal Comprehensive Environmental Response, Compensation and Liability Act of 1980 ("CERCLA")(42 USC 9601, *et seq.*), any owner, operator, transporter, or arranger is strictly liable for the costs of responding to a release or threatened release of a hazardous substance or waste into the environment. Moreover, liability under law is joint and several unless a party demonstrates that environmental harm at a site is divisible or that the damages incurred due to the harm are reasonably capable of apportionment. Responsible parties are liable for response actions, including investigative, planning, removal, IRMs, and other remedial actions at and around sites where hazardous substances or wastes have been released.

The Air National Guard Bureau is a responsible party for contamination associated with the Suffolk County Air National Guard Base Site including off-site groundwater contamination downgradient of the Air National Guard area of operations.

To the extent the Air National Guard Bureau does not undertake or fund the IRM discussed in this letter and DEC uses the State Superfund to undertake the work, the State's costs, as well as any past costs and interest, will be recoverable by the State from the Air National Guard and other responsible parties as provided by 42 USC 9607, the ECL, the SFL, and any other applicable provision of State and/or federal law.

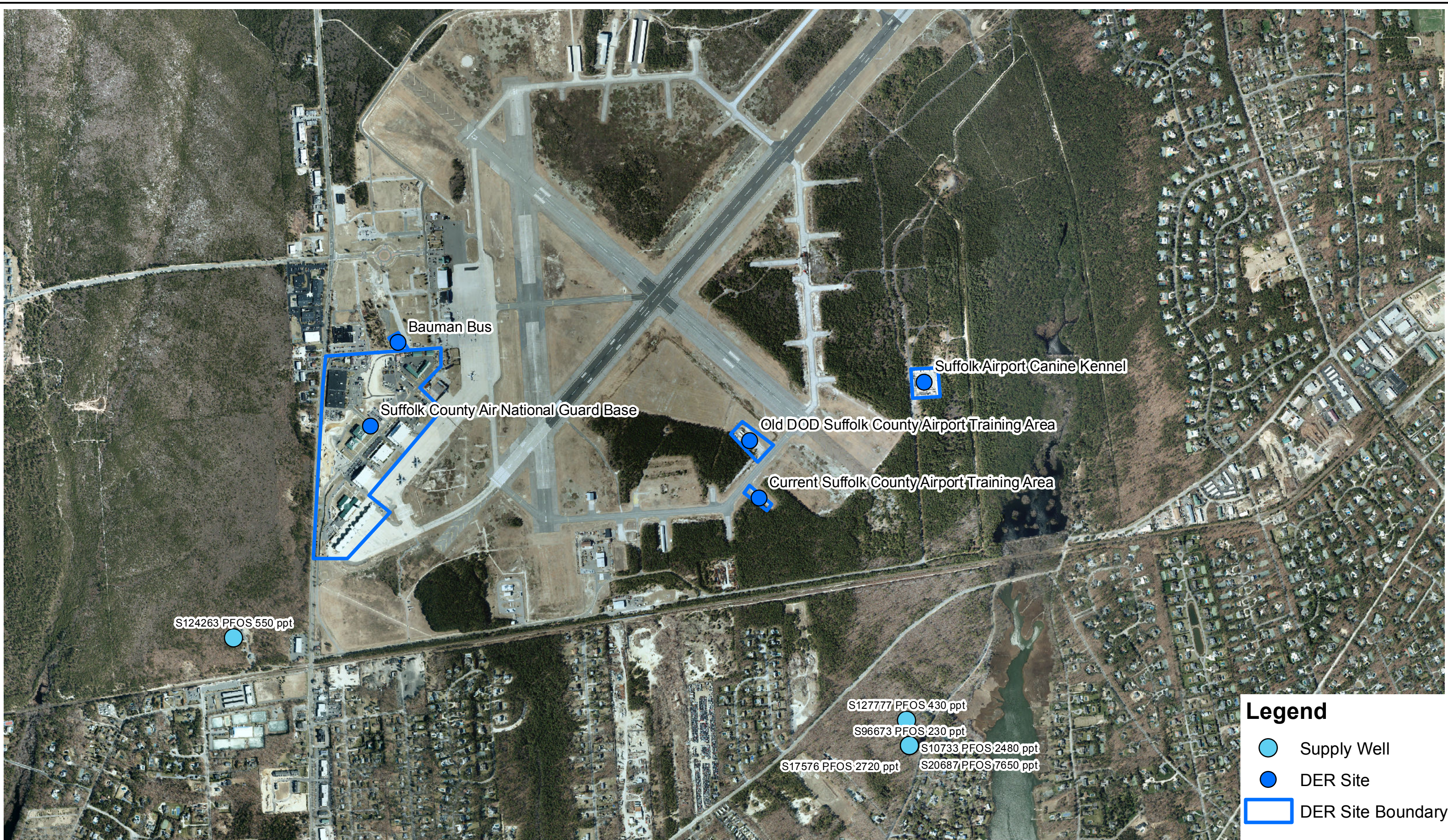
A failure to respond to this letter within five business days will be deemed a declination. Feel free to contact me with any questions or to otherwise discuss this matter.

Nothing contained herein constitutes a waiver by DEC and/or the State of New York for any rights held pursuant to any applicable state and/or federal law or a release for any party from any obligations accrued pursuant to those same laws.

Sincerely,

A handwritten signature in black ink, appearing to read 'TB', with a long horizontal line extending to the right.

Thomas Berkman
Deputy Commissioner and General Counsel



Legend

- Supply Well
- DER Site
- DER Site Boundary



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
Inactive Hazardous Waste Disposal Report



Site Code	152148				
Site Name	Suffolk County Air National Guard Base	Address	Old River Head Road		
Classification	P	City	Southampton/Westh	Zip	11978
Region	1	County	Suffolk	Town	Southampton
Latitude	40 degrees, 50 minutes, 17.53 seconds			Estimated Size	89.0000
Longitude	-72 degrees, 38 minutes, 40.93 seconds				

Site Type**Site Description****Location:**

The site is the Air National Guard Base which is a part of the Francis S. Gabreski Airport located in the Town of Southampton in Suffolk County on the eastern end of Long Island. Francis S. Gabreski Airport, formerly known as Suffolk County Airport, is on Old Riverhead Road, approximately two miles north of the Atlantic Ocean shoreline in Westhampton Beach. The airport is owned by Suffolk County. The airport is bounded to the north by undeveloped land, to the east by the Quogue Wildlife Refuge, to the south by the Long Island Railroad, and to the west by Old Riverhead Road.

Site Features:

The ANG leases 88.5 acres of runways, hangars, and maintenance/service facilities on the southwest side of the airport. This site also includes the current 0.5 acre Airport Fire Training Area which was utilized by the Air National Guard. Installation Restoration Program Site 8 which was previously listed on the Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 site, is a composite of underground structures including cesspools, septic tanks, distribution boxes, oil/mud traps, and dry wells at various locations throughout the Base. The structures have either been removed or abandoned in place. None of the septic system structures are still in use. Site 8 includes 21 subsites, based on the individual structures and subsystems that were identified. The total area of all the Site 8 sub-sites is approximately one acre.

Current Zoning/Uses:

The 106th Rescue Wing of the New York Air National Guard currently provides peacetime and combat search and rescue services on a world-wide basis. Operations at the base include aircraft and ground-vehicle maintenance. To support these activities, aircraft and vehicle maintenance facilities are active and involve the use, storage, and disposal of hazardous materials including petroleum, oil, lubricants, acids, paints, thinners, strippers, and solvents. The area is zoned commercial and industrial.

Historic Uses :

The U.S. Army developed the airfield in 1941 as the Westhampton Beach Army Airfield to use for gunnery training for World War II. A private oil company leased the airfield from 1948 to 1951. In 1951 the U.S. Air Force reactivated the airfield as the Suffolk County Air Force Base. The Air Force deactivated and closed the base in 1969 and Suffolk County began operating the airfield as Suffolk County Airport. The ANG base opened in June 1970 and had both air refueling and fighter-interceptor missions during the early 1970s. In 1975 the mission changed to aerospace rescue and recovery. A site investigation conducted by the Department of Defense under the Installation Restoration Program in 1994 revealed the presence of chlorinated solvents in sludge samples that were collected from the old septic tanks and cesspools on the base. More recently, efforts have been initiated nationally to assess the impact due to past use of aqueous film forming foam (AFFF), a firefighting agent used by the Air Force and other Defense Department and civilian agencies since 1970 to combat petroleum-based fires, which contains both PFOA and PFOS. The Air Force used this foam at crash sites and fire training areas in both closed and open Air Force bases.

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NY



Department of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

SALLY DRESLIN, M.S., R.N.
Executive Deputy Commissioner

September 9, 2016

Robert Schick, Director
NYS Dept. of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233

Re: **Site Listing – Class 2**
Suffolk County Air National Guard Base
Site #152148
Southampton, Suffolk County

Dear Mr. Schick:

At your Department's request, we have reviewed the New York State Department of Environmental Conservation's (NYSDEC's) proposal to list the above referenced site as a Class 2 site on NYSDEC's Registry of Inactive Hazardous Waste Disposal Sites. Perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) have been detected at elevated levels in on- and off-site groundwater and in off-site public and private drinking water wells. The concentrations of PFOS/PFOA in the drinking water supplies exceed the United States Environmental Protection Agency's (USEPA's) drinking water health advisory for PFOS/PFOA, 70 parts per trillion. Actions are needed to reduce human exposures to PFOS/PFOA in the water supplies.

Actions are also needed to identify the source(s) of this contamination, to define the nature and extent of contamination in groundwater and other environmental media, and to evaluate and address associated human exposures. Based on this information, I believe the site represents a significant threat to human health and concur with your Department's proposal to list the site on the Registry. If you have any questions, please contact Ms. Charlotte Bethoney or me (518) 402-7860.

Sincerely,

Krista M. Anders, Director
Bureau of Environmental Exposure Investigation

ec: C. Bethoney / S. Karpinski / e-File
C. Westerman – NYSDOH MARO
D. Feldman / A. Rapiejko / A. Juchatz – SCDHS
M. Ryan / K. Lewandowski / A. Daniels / J. Harrington / J. Swartwout – NYSDEC Central Office
W. Parish – NYSDEC Region 1