



FACT SHEET

State Superfund Program

Receive Site Fact Sheets by *Email*. See "For More Information" to Learn How.

Site Name: Fairchild Republic Aircraft; Old Sump
DEC Site #: 152004
Address: Route 110 (Broad Hollow Road)
East Farmingdale, NY 11735

Have questions?
See
"Who to Contact"
Below

Remedy Proposed for State Superfund Site; Public Comment Period and Public Meeting Announced

Public Meeting, Wednesday, 3/18/2015 at 7:30 PM

Farmingdale Public Library, 116 Merritts Road, Farmingdale, NY 11735 NYSDEC invites you to a public meeting to discuss the remedy proposed for the site. You are encouraged to provide comments at the meeting, and during the 30-day comment period described in this fact sheet.

The public is invited to comment on a remedy proposed by the New York State Department of Environmental Conservation (NYSDEC) related to the Fairchild Republic Aircraft; Old Sump site ("site") located at Route 110 (Broad Hollow Road), East Farmingdale, Suffolk County. Please see the map for the site location.

Documents related to the cleanup of this site can be found at the location(s) identified below under "Where to Find Information."

How to Comment

NYSDEC is accepting written comments about the proposed plan for 30 days, from **February 26, 2015** through **March 28, 2015**. The proposed plan is available for review at the location(s) identified below under "Where to Find Information." Please submit comments to the NYSDEC project manager listed under Project Related Questions in the "Who to Contact" area below.

The site is listed as a Class "2" site in the State Registry of Inactive Hazardous Waste Sites (list of State Superfund sites). A Class 2 site represents a significant threat to public health or the environment; action is required.

Proposed Remedial Action Plan

The remedy proposed for the site includes:

The proposed remedy consists of

- 1) A cover system over the entire site. The cover will consist of the structures such as buildings, pavement and sidewalks comprising the site development or a clean soil cover in areas where the upper one foot of exposed surface soil exceeds commercial use soil cleanup objectives (SCOs).

2) Institutional Controls in the form of an environmental easement describing the nature and extent of the remaining contamination, and restricting future site use to commercial or industrial activities only.

3) A site management plan detailing the periodic maintenance and monitoring of the soil cover and requirements for certification that all engineering and institutional controls remain in place.

Summary of the Investigation

Based on the State-funded Remedial Investigation (RI) conducted from June 2014 through August 2014, the primary environmental issues identified at the site are soil contamination from waste disposal into the former recharge basin and contaminated soil deposition from the demolition of the Fairchild Main Plant Site (MPS).

Soil contamination is widespread across the 13 acre site with the majority of the seventy-six sample locations exceeding NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) for one or more of the following: Polychlorinated biphenyls (PCBs), metals, SVOC and/or VOC. Commercial Use SCOs (CUSCOs) were exceeded for PCBs and SVOC, while Industrial Use SCOs (IUSCOs) were exceeded for one SVOC: benzo(a)pyrene, at ten locations. Contamination was observed in surface soil samples, as well as shallow sub-surface and deep samples down to the terminus of sampling at 32 feet below ground. Reported concentrations for VOCs, metals and pesticides did not exceed CUSCOs.

Groundwater was not found to be impacted by site-related contamination.

NYSDEC developed the proposed remedy after reviewing the detailed investigation of the site and evaluating the remedial options in the “feasibility study” submitted under New York’s State Superfund Program.

Next Steps

NYSDEC will consider public comments as it finalizes the remedy for the site. The selected remedy will be described in a document called a "Record of Decision" that will explain why the remedy was selected and respond to public comments. A detailed design of the selected remedy will then be prepared, and the cleanup will be performed.

NYSDEC will keep the public informed throughout the investigation and cleanup of the site.

Background

Location: The Fairchild Republic Old Sump (AKA: Old Recharge Basin) Site is located near the intersection of State Route 110 (Broad Hollow Road) and Conklin Street in East Farmingdale, Suffolk County. Across Route 110 is the Airport Plaza shopping center – site of the former Fairchild Republic Main Plant Site (MPS), and Republic Airport.

Vacant property and Conklin Street lie to the north, State Route 110 to the east, East Carmens Road to the west, and industrial and commercial buildings to the south. A chain link fence completely surrounds the former Old Sump property along with a contiguous 6-acre parcel of vacant land to the north, all under the same ownership.

Site Features: The site is a 13-acre vacant sand lot. Areas of young trees and native vegetation have marginally taken hold since the basin was filled and graded in 1997-98. Approximately 25,000 cubic yards of petroleum contaminated soil, once approved for onsite use as asphalt sub-base material, are stockpiled on the site. The northern portion of the site lies in the runway protection zone of the Republic Airport and building height in the zone is restricted by local ordinance.

Current Zoning and Land Use: The site is currently inactive, comprised of five tax parcels, and is zoned G- Industry (Light). Retail development- shopping/dining is being contemplated for the property.

Historic Uses: The Old Sump is the site of a former sand mining operation that was later converted to a stormwater recharge basin and wastewater/cooling water repository. The basin was used by NYSDOT to collect storm water runoff, and by Fairchild Republic for runoff and disposal of up to 2 million gallons per day of non-contact cooling water and treated waste water from the Fairchild Main Plant Site (Site No. 152130). Fairchild stopped discharging to the basin in 1983 when it constructed a new recharge basin on the east side of Route 110. The MPS produced sludge from metal precipitation alodining, anodizing, chemical milling and wash water paint spray booths.

The site was first listed on the Registry of Inactive Hazardous Waste Disposal Sites (Registry) as Class 2 in August 1989. A remedial Investigation (RI), completed on the site in 1995, found that basin bottom sediments contained elevated levels of total chromium, polynuclear aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs). In light of the fact that the site was not found to be impacting groundwater, the Record of Decision in 1996 did not require active remediation and instead selected fencing of the property and institutional controls as the remedy to prevent potential exposure to the bottom sediments. In 1997, DEC executed an Order on Consent with Fairchild, allowing Fairchild the option to fill in the recharge basin with acceptable alternative grading material and soils from demolition of their Main Plant Site. The site was delisted in 1997 with the expectation that filling the basin would result in the contamination being encapsulated approximately 30 feet below grade. The filling, completed in 1998, was problematic and created new concerns of potential exposure to contamination. Subsequent sampling by a prospective buyer indicated that the expected result from filling the recharge basin was not achieved. A review of the process revealed that the basin was not dewatered prior to filling, and the denser fill material and concrete debris displaced the contaminated bottom sediments, resulting in an upwelling of PCB and metals contamination to the surface and shallow subsurface soils. Negotiations with Fairchild (in bankruptcy) seeking mitigation of the continued threat to public health and the environment failed. The site was relisted on the Registry in April 2010 with the filling of the recharge basin being deemed insufficient and not meeting remediation goals.

Acadia Republic Farmingdale LLC, acquired title to the site in 2013 and entered into a settlement Order on Consent with the Department in July of 2014. The Department using a state contractor, then re-investigated the site.

Site Geology and Hydrogeology: The site is underlain by the Upper Glacial and Magothy Aquifers which are designated by the United States Environmental Protection Agency (USEPA) as sole source aquifers. Depth to groundwater ranges from 20 to 30 feet below ground surface (bgs) and flows generally to the south. Based on borings completed at the site, the native subsurface geology is comprised of fine to coarse brown sand and rounded gravel to a depth of approximately 120 feet bgs. Below this is a layer of a mottled fine to medium sand with trace silt and mica. Mixed in with this layer are silt and clay lenses. Mixed into the upper 30 feet of subsurface is solid waste from demolition of the former Main Plant Site. The solid waste is comprised primarily of heterogeneous chunks of cement, rebar and relocated soils.

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's website at:

<http://www.dec.ny.gov/cfm/external/derexternal/haz/details.cfm?pageid=3&progno=152004>

State Superfund Program: New York's State Superfund Program (SSF) identifies and characterizes suspected inactive hazardous waste disposal sites. Sites that pose a significant threat to public health and/or the environment go through a process of investigation, evaluation, cleanup and monitoring.

NYSDEC attempts to identify parties responsible for site contamination and require cleanup before committing State funds.

For more information about the SSF, visit: <http://www.dec.ny.gov/chemical/8439.html>

FOR MORE INFORMATION

Where to Find Information

Project documents are available at the following location(s) to help the public stay informed.

Farmingdale Public Library
116 Merritts Road
Farmingdale, NY 11735
phone: 516-249-9090

Project documents are also available on the NYSDEC website at:

<http://www.dec.ny.gov/chemical/8431.html>

Who to Contact

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

Project Related Questions

Bob Corcoran
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7015
518-402-9658
bob.corcoran@dec.ny.gov

Site-Related Health Questions

Jacquelyn Nealon
New York State Department of Health
Bureau of Environmental Exposure Investigation
Empire State Plaza, Corning Tower, Room 1787
Albany, NY 12237
518-402-7880
BEEI@health.ny.gov

We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.

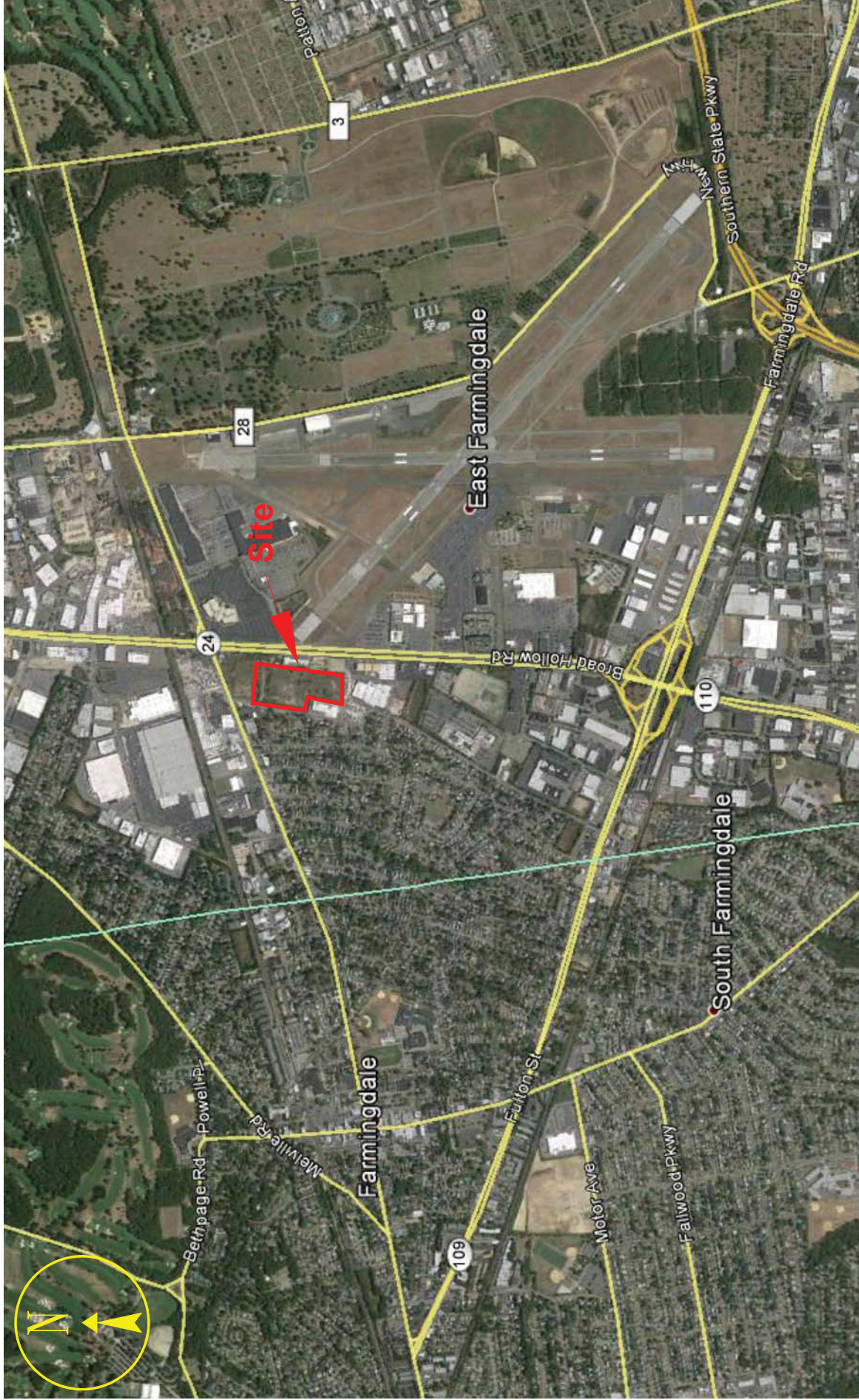
Receive Site Fact Sheets by Email

Have site information such as this fact sheet sent right to your email inbox. NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page: <http://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.

Note: Please disregard if you already have signed up and received this fact sheet electronically.



Modified from 2014 Europa Technologies, Google

Not to Scale



ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

Figure 1 Site Location Map

Fairchild Republic Aircraft; Old Sump
Broad Hollow Road
East Farmingdale, NY
Site No. 152004