



AMENDED PROPOSED PLAN OF REMEDIAL ACTION

4200 Summit Bridge Road Site
Middletown, Delaware
DNREC Project No. DE-1478



June 2014

Delaware Department of Natural Resources and Environmental Control
Division of Waste and Hazardous Substances
Site Investigation & Restoration Section
391 Lukens Drive
New Castle, Delaware 19720

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Approval:

This Proposed Plan meets the requirements of the Hazardous Substance Cleanup Act.

Approved by:

Timothy Ratsep, Environmental Program Administrator
Site Investigation & Restoration Section

Date June 4, 2014



What is the Amended Proposed Plan of Remedial Action?

The Amended Proposed Plan of Remedial Action (Proposed Plan) summarizes the clean-up (remedial) actions that are being proposed to address contamination found at the Site. A legal notice is published in the newspaper to advertise the start of a 20-day public comment period. DNREC considers and addresses all public comments received and subsequently publishes an Amended Final Plan of Remedial Action (Final Plan) for the Site.

Why is an Amended Proposed Plan necessary?

A Final Plan was previously issued for the 4200 Summit Bridge Road Site. However, the area of the former aviation tanks, Operable Unit 2 (OU2), have shown declining concentrations of benzene in the groundwater. The sampling events indicated that benzene concentrations remained below Maximum Contamination Levels (MCLs) in monitoring well MW-13 but continued to fluctuate in MW-14. Due to the limited extent of the contamination around MW-14 and the distance from any current exposure point or site boundary, it was determined that only the area around MW-14 (OU2) is of concern. Groundwater at MW-14 continues to naturally attenuate and a groundwater use restriction will be placed in the vicinity of this well. No further action is required in the remaining portion of the Site, Operable Unit (OU1).

What is the 4200 Summit Bridge Road Site?

4200 Summit Bridge Road Site is an active aviation airport which provides support, refueling, and maintenance for corporate and government aircraft. The Site is located in Middletown, Delaware and is owned by Summit Aviation, Inc. The airport has been in operation since the 1950's and will continue to do so.

What happened at the 4200 Summit Bridge Road Site?

Paint stripping and other general maintenance of aircraft occurred onsite. In addition, above ground storage tanks (ASTs) and underground storage tanks (USTs) have been located on the paved area of the Site. The underground tanks were removed in 2008. Some aboveground tanks remain on the Site and are in use. Contaminants detected in the soil and groundwater appears to be related to past Site operations.

What is the environmental problem at 4200 Summit Bridge Road Site?

According to environmental investigations, the problem at 4200 Summit Bridge Road was groundwater impacted by petroleum in the area of the USTs. The Former Aviation Fuel UST area had three 4,000 gallon fuel tanks in the asphalt paved area. These tanks were closed in place in 1984 and later removed in 2008. Post-excavation soil samples were analyzed and no

constituents were detected in the soil, however, two monitoring wells in this area were found to have Benzene and Total Petroleum Hydrocarbon-Gasoline Range Organics (TPH-GRO) in levels exceeding DNREC's standard for groundwater.

What does the owner want to do at the 4200 Summit Bridge Road Site?

The owner of the Site would like to keep the main operation as a private airport. A cold storage building and additional office buildings have been built on the paved area.

What clean-up actions have been taken at the 4200 Summit Bridge Road Site?

The former aviation fuel USTs were removed in 2008, and associated impacted soil was excavated and taken off-site for disposal. Since that time, the Site owner's consultant has performed several rounds of groundwater monitoring of two monitoring wells located in the vicinity of the former USTs following DNREC approved Supplemental Investigation Work Plan. The most recent sampling data from well MW-13 show that all petroleum-related constituents remain below DNREC's standard. At well MW-14, one petroleum-related constituent (benzene) was measured at concentrations of up to 12 micrograms per liter in the most recent samples from this well, which is above DNREC's standard of 5 micrograms per liter for benzene. All other petroleum-related constituents remain below DNREC's standards at well MW-14.

What additional clean-up actions are needed at the 4200 Summit Bridge Road Site?

DNREC proposes the following remedial actions for the Site, all three of which must be completed before the Certification of Completion of Remedy (COCR) covering both OU1 and OU2 can be issued:

1. Record an Environmental Covenant, consistent with Delaware's Uniform Environmental Covenants Act (Title 7, Del. Code Chapter 79, Subtitle II) (UECA), in the office of the Recorder of Deeds to include the following:
 - a. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from within 100 feet of the current location of monitoring well MW-14, without the prior written approval of DNREC.
2. The location of MW-14 will be surveyed and documented by a professional surveyor.
3. No further groundwater monitoring will be required prior to issuance of the COCR. In the future, four consecutive quarters of groundwater monitoring for benzene will be collected from MW-14 (or a replacement well) starting on the earlier of: (1) the date the owner of the Site elects to start monitoring to remove the groundwater use restriction, or (2) five years from the date the COCR is issued. A DNREC approved Groundwater Monitoring Plan will be completed for this monitoring. If the four consecutive quarters of monitoring data show that benzene is below then applicable MCL (i.e., currently at 5 micrograms per liter), then the groundwater use restriction will be removed.

How can I additional information or comment on the Amended Proposed Plan for the 4200 Summit Bridge Road Site?

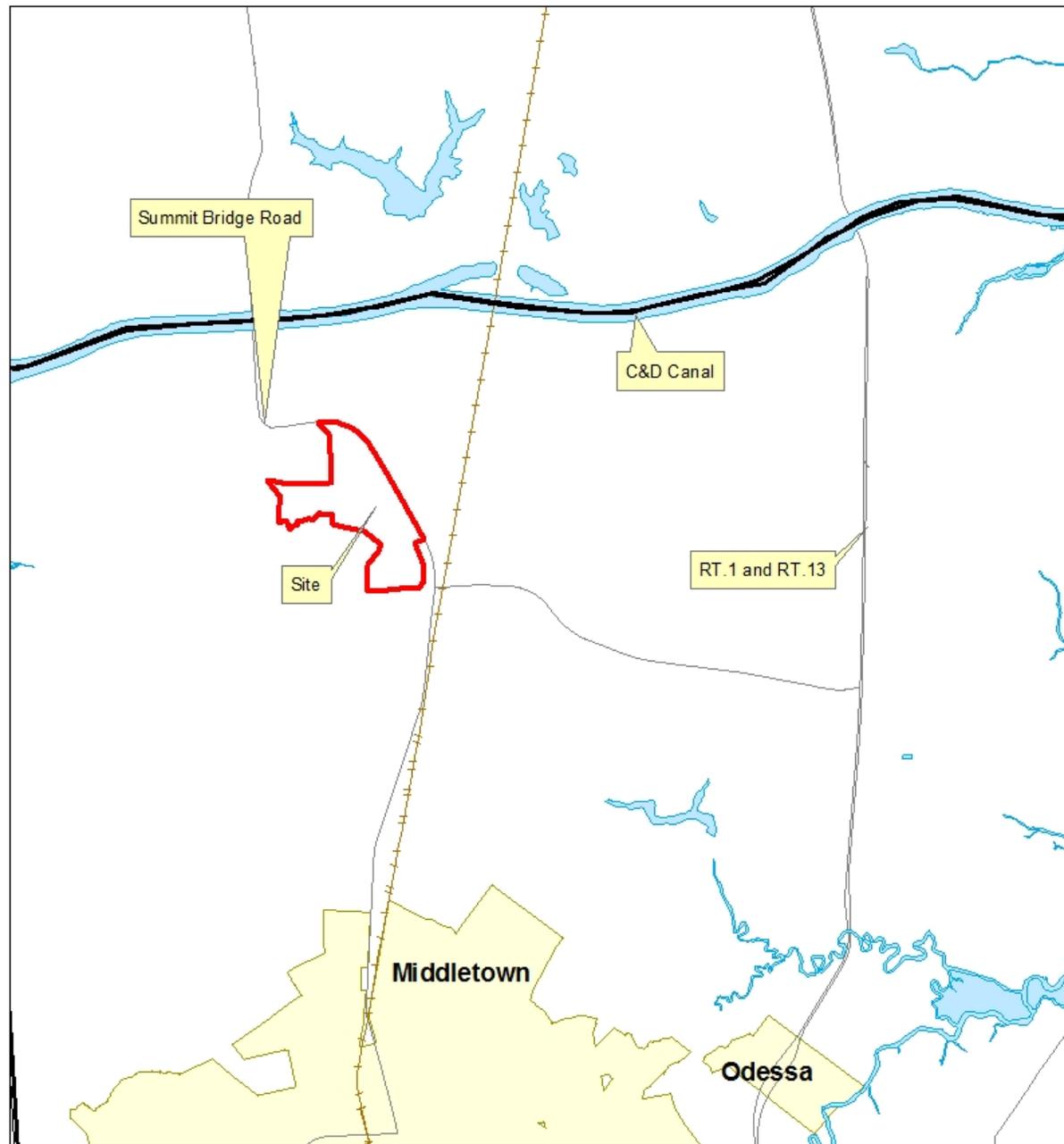
The complete file on the Site, including the Remedial Investigation and Supplemental Groundwater Reports, are available at the DNREC office, 391 Lukens Drive in New Castle, 19720. Most documents are also found on:

<http://www.nav.dnrec.delaware.gov/DEN3/>

The 20-day public comment period begins on June 8, 2014 and ends at close of business (4:30 pm) on June 30, 2014. Please send written comments to the DNREC office at 391 Lukens Drive, New Castle, DE 19720 to Krystal A. Stanley, Project Officer, or Robert Newsome, Public Information Officer.

- Figure 1: Site Location map
- Figure 2: Aerial site map
- Figure 3: Proposed OU2 area

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 <p>DWHS Site Investigation & Restoration Section 391 Lukens Dr., New Castle, DE 19720 302.395.2600</p> <p>1:63,360</p>		<p>4200 Summit Bridge Road Site DE-1478</p> <p><small>This map is provided by the DNREC-SIRB solely for display and reference purposes and is subject to change without notice. DNREC-SIRB will not be held responsible for the assumed accuracy contained in the map or for use other than its intended purposes.</small></p> <p style="text-align: right;"><small>February 2008</small></p>
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Figure 1

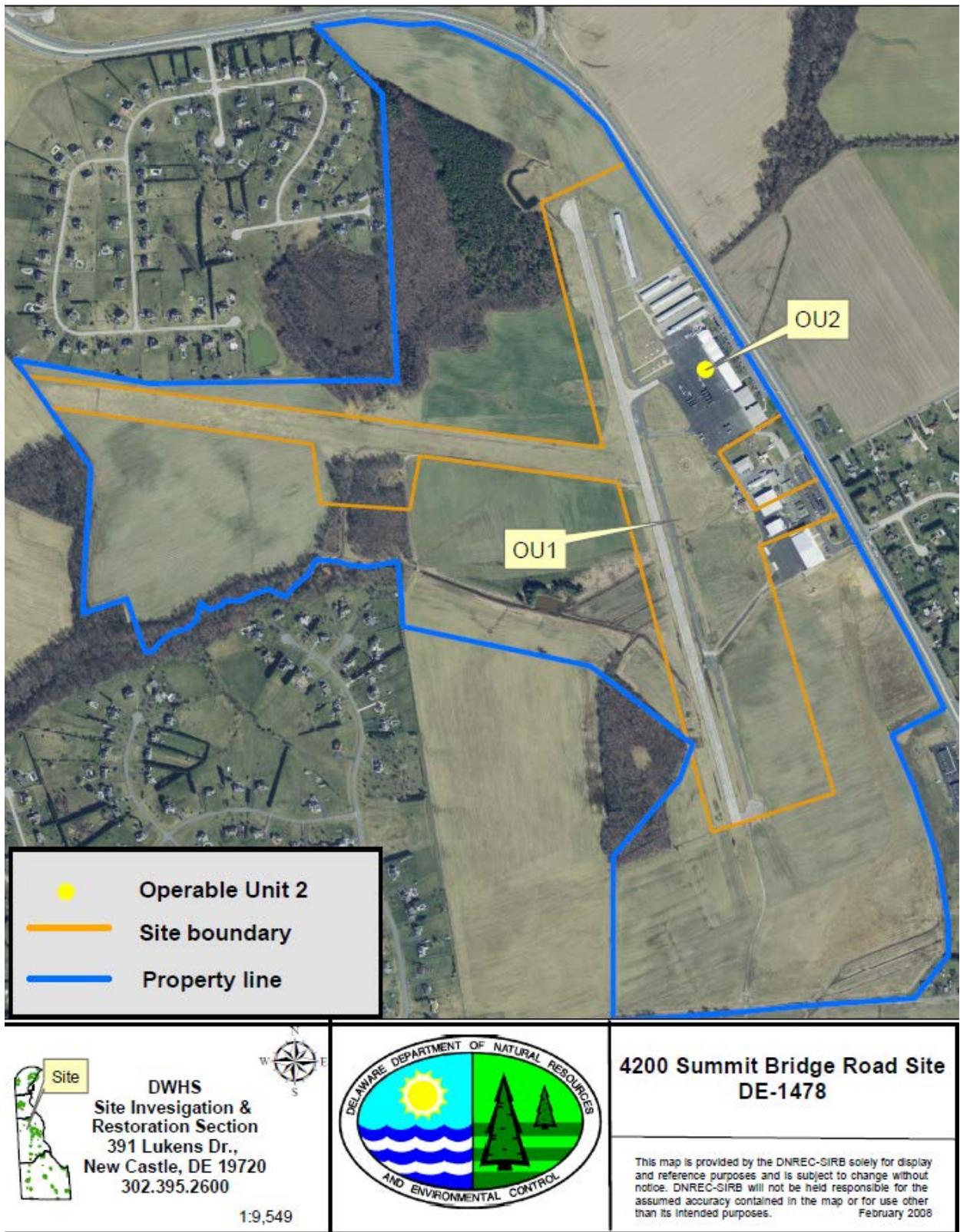


Figure 2



Figure 3

Glossary of Terms Used in this Proposed Plan

Brownfield	Property that is vacant or underutilized because of the perception or presence of an environmental problem
Certification of Completion of Remedy (COCR)	A formal determination by the Secretary of DNREC that remedial activities required by the Final Plan of Remedial Action have been completed.
Contaminant of Concern (COC)	Potentially harmful substances at concentrations above acceptable levels
Exposure	Contact with a substance through inhalation, ingestion, or direct contact with the skin. Exposure may be short term (acute) or long term (chronic)
Final Plan of Remedial Action	DNREC's adopted plan for cleaning up a hazardous site.
Restricted Use	e.g. Commercial or Industrial setting
SIRS	Site Investigation Restoration Section of DNREC, which oversees cleanup of sites that were contaminated as a result of past use, from dry cleaners to chemical companies