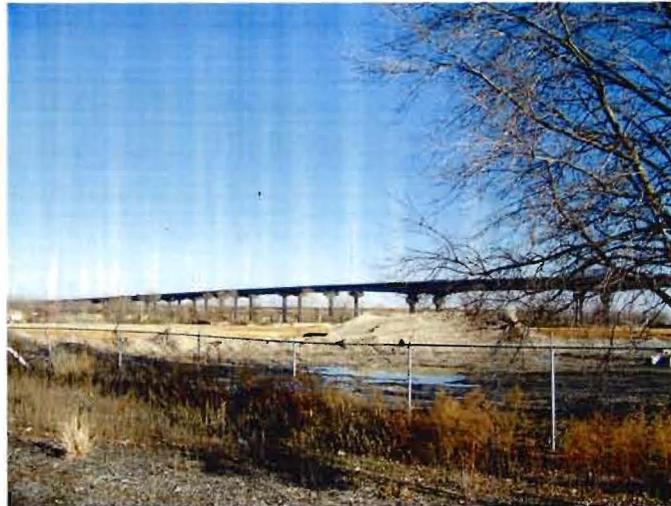


SCANNED  
DEC 11 2008  
File# 1219 138

REVISED  
PROPOSED PLAN OF REMEDIAL ACTION

## Christina Lab Site

Wilmington, Delaware  
DNREC Project No. DE-1219



December 2008

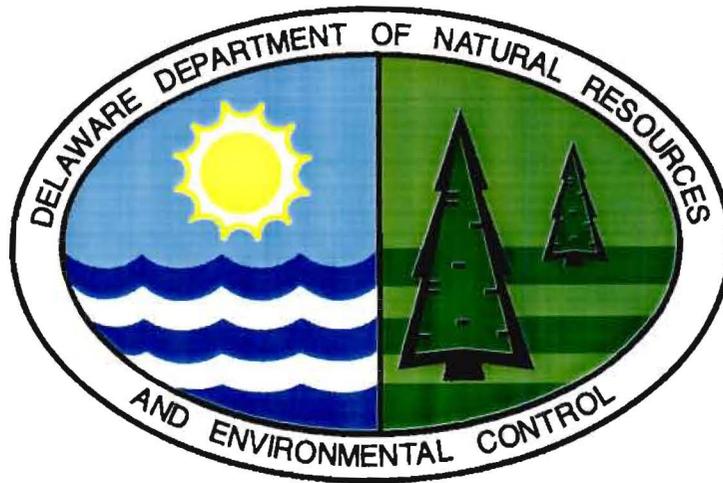
Delaware Department of Natural Resources and Environmental Control  
Division of Air and Waste Management  
Site Investigation & Restoration Branch  
391 Lukens Drive  
New Castle, Delaware 19720

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- Revised Proposed Plan: Questions and Answers
- Attachment: What is a Proposed Plan?
- Attachment: 2005 Final Plan of Remedial Action

REVISED  
PROPOSED PLAN OF REMEDIAL ACTION

Christina Lab Site  
Wilmington, Delaware  
DNREC Project No. DE-1219



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

|                                                                                     |  |
|-------------------------------------------------------------------------------------|--|
| Approved by:                                                                        |  |
|  |  |
| James D. Werner, Director<br>Division of Air & Waste Management                     |  |
| 11 Dec 2008                                                                         |  |
| Date                                                                                |  |

REVISED  
PROPOSED PLAN  
Questions & Answers

Christina Lab Site



**What is the Christina Lab Site?** The site is a vacant parcel of land on the Christina River just west of I-495 in Wilmington. It is owned by the DuPont Company.

In 2005, DNREC issued a Final Plan of Remediation for the Christina Lab site. DNREC is issuing this Revised Proposed Plan to clarify and amend the 2005 Final Plan. DNREC will receive and consider public comments as if this were a new Proposed Plan. The 2005 Final Plan is attached.

Tax Parcel Number: 26.0058.0019  
Address: 501 Christina Avenue  
Nearest major intersection: Christina Avenue and New Castle Avenue  
Area: 20.4 acres  
Surrounding Property: Surrounding land use is heavy industry.  
Site Utilities: Sewer and water are supplied by the City of Wilmington.  
Surface water: The site is on the Christina River  
Topography: The site is generally flat and two to three feet above mean sea level.  
Groundwater: Shallow and perched ground water level is affected by the tide.

**What happened at the Christina Lab Site?** The site received ore processing waste from the Lobdell Company in the early 20th century to fill in low spots and make it suitable for construction. Previous to 1961, various industrial facilities were located there including a sugar beet processing plant and a linoleum plant. The DuPont Company operated a pilot production facility on the site from 1961 to 1991 when it was known as the Christina Laboratory.

**What is the environmental problem at the Christina Lab Site?** The site soils are contaminated with arsenic and petroleum related compounds common to the area. The soil contamination has not impacted the groundwater.

**What does the owner want to do at the Christina Lab Site?** The site will be used for the storage of bulk materials and recycling.

**Why does DNREC want to change the Final Plan for the Site?** The 2005 Final Plan required "Installation of a cap over the entire site consisting of clean fill, stone base and asphalt cover." This wording is not consistent with best practices to manage storm water on the site and prevent sediment discharge to the Christina River. Also, the intended operator only needs asphalt on a portion of the site. The change in the material used in the cap will not affect the protectiveness of the remedy.

### **What is the new Proposed Plan for the Christina Lab Site?**

1. Cover most of the site (approximately 85%) with compacted, crushed stone or asphalt to prevent contact with surface soil.
2. Cover the rest of the site with berms or constructed drainage features as required by DNREC Storm Water and Sediment Program.
3. Record an environmental covenant consistent with Delaware's Uniform Environmental Covenants Act (Title 7, Del. Code Chapter 79, Subtitle II). The covenant will include a restriction on digging into site soils beneath the soil cap without prior written approval of DNREC.
4. Develop an Operation and Maintenance (O&M) Plan to minimize the potential for cap disturbance, and to promote the long-term integrity of the cap.

**What are the long term plans for the Site after the cleanup?** In the future the site will be used for storage of bulk materials and a recycling operation.

DNREC plans to issue a Certificate of Completion of Remedy for the site after the completion of clean-up, the redevelopment of the property, and the implementation of the uniform environmental covenant.

### **How can I find additional information or comment on the Revised Proposed Plan?**

The complete file on the site including the Remedial Investigation Report is available at the DNREC office, 391 Lukens Drive in New Castle. Most documents are also found on:

<http://www.dnrec.state.de.us/dnrec2000/Divisions/AWM/sirb/>

The 20-day public comment period begins on December 15, 2008 and ends at close of business (4:30 pm) on January 12, 2009. Please send written comments to the DNREC office or call Stephen F. Johnson Project Manager, at: 302-395-2600.

## What is a Proposed Plan?

A Proposed Plan of Remedial Action (Proposed Plan) is a summary of how DNREC plans to clean up a contaminated site. A Final Plan of Remedial Action (Final Plan) is the adoption of the Proposed Plan, after all comments made by the public within the comment period of twenty days have been considered and addressed by DNREC.

The Delaware State Legislature passed the Hazardous Substance Cleanup Act (HSCA) in 1990. The Legislature made sure that members of the public would be informed about environmental problems in their own neighborhoods and have a chance to express their opinion concerning the clean up of those environmental problems before DNREC takes action.

After DNREC studies a site, it summarizes the problems there and proposes one or more possible solutions in a Proposed Plan. The Proposed Plan contains enough information to allow lay persons to understand the site. More detailed information can be found in the reports and documents approved by DNREC. All of the documents and reports created by DNREC or consultants during the course of the investigation of the site are available to the public at the offices of DNREC-SIRB or at DNREC's website:

<http://www.dnrec.state.de.us/dnrec2000/Divisions/AWM/sirb/sitefiles.asp>.

DNREC issues the Proposed Plan by advertising it in at least one newspaper in the county where the site is located. The legal notices for the Proposed Plans and the Final Plans usually run on Wednesdays or Sundays in the legal classified section of the News Journal and/or the Delaware State News. The public comment period begins on the day (Wednesday), or the day after (Sunday) the newspaper publishes the legal notice for the Proposed Plan.

DNREC frequently holds public meetings during the comment period. Those meetings are usually held near the site in the evening. Citizens can request a public meeting if DNREC did not already schedule one.

Comments are collected at the public meetings, by phone or in writing. DNREC considers all comments and questions from the public before the Proposed Plan is finalized and adopted as a Final Plan.

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