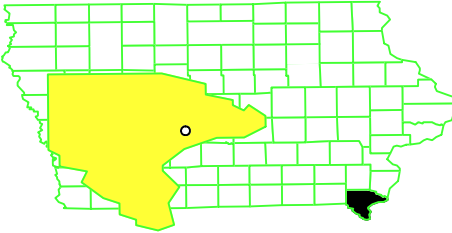


**E.I. DUPONT DE  
NEMOURS & COMPANY,  
INC.  
(COUNTY ROAD X23)  
IOWA  
EPA ID# IAD980685804**

**EPA Region 7  
City: 3 1/2 miles south of West Point  
County: Lee County**

**05/11/2011**

**Other Names: Baier, James Farm  
McCarl Farm**



## **SITE DESCRIPTION**

The E.I. DuPont de Nemours & Company, Inc. (County Road X23) site, an industrial waste dump in a rural area of Lee County, consists of two areas off County Road X23, about 3 1/2 miles south of West Point. In the early 1950s, DuPont sent wastes from its nearby Fort Madison paint plant to the two disposal sites, which are about 1 mile apart and cover 4 acres. One is known as the Baier farm subsite and the other as the DuPont/McCarl subsite. DuPont estimates that between 1949 and 1953, a contractor disposed of 48,000 to 72,000 drums of paint waste at the two subsites. These wastes were placed in shallow trenches and burned, then the soil was graded flat. The properties drop off to ravines on the northwestern sides. The company estimates that 4,500 to 7,000 tons of ash and unburned sludges may have been exposed at these areas. Approximately 1,200 people depend on private wells within 3 miles of the site as their sole source of drinking water. Two creeks about 1 mile from the site are used for limited recreational activities. Approximately 160 people live within 1 mile of the site; 1,250 live within 3 miles, with the closest population being 500 feet from the site. There are 40 private wells within 1 mile and 330 private wells within 3 miles; the nearest is 500 feet from the site. Water is consumed by the local population and livestock.

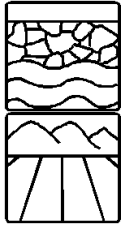
### **Site Responsibility:**

This site was addressed through Federal and potentially responsible parties' actions.

### **NPL LISTING HISTORY**

<b>Proposed Date:</b>	06/24/88
<b>Final Date:</b>	08/30/90
<b>Deleted Date:</b>	09/25/95

## THREATS AND CONTAMINANTS



Ground water and soils were contaminated with heavy metals, including cadmium and lead, and volatile organic compounds (VOCs) from former disposal activities. Potential health threats consisted of ingesting contaminated ground water and coming into direct contact with both ground water and soil. Contaminants also could have accumulated in plants that were consumed by cattle.

## CLEANUP APPROACH

### Response Action Status

**Initial Actions:** In late-1991, DuPont removed contaminated surface material that could not be stabilized to an off-site, Federally-approved disposal facility.

**Entire Site:** In 1985, EPA installed three ground water monitoring wells at the Baier subsite. Sampling in 1986 showed elevated concentrations of metals. Downstream water samples showed similar findings. When the McCarl subsite was studied in 1986, ground water and soil samples again revealed metals. In 1989, EPA ordered DuPont to perform a study of contamination at the site. DuPont completed the study in early 1991. Based on the results of this study, EPA selected stabilization and solidification of contaminated soil and monitoring of the ground water as the cleanup remedies. DuPont completed the design of these remedies in late-1992, and cleanup activities began shortly thereafter. Site cleanup activities were completed in 1993. The site was deleted from the NPL in September 1995. Ground water monitoring and cap maintenance is currently ongoing.

**Site Facts:** On July 5, 1989, the EPA issued a Unilateral Order to DuPont requiring DuPont to undertake a study of site contamination and cleanup options at the Baier subsite. In late-1991, EPA issued a Consent Decree requiring DuPont to design and conduct the site cleanup.

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## ENVIRONMENTAL PROGRESS



The removal of contaminated surface material, treatment of the contaminated soil, and monitoring of the ground water has eliminated risks to public health or the environment from the site. All cleanup activities are complete. EPA deleted the site from the NPL in September 1995. EPA conducted a Five-Year Review for the site in June 1997. The conclusion of the Five-Year Review was that the remedy remained protective of human health and the environment.

The Second Five-Year Review was completed in August 2002. The conclusions of that review were that ground water monitoring be conducted biennially (every other year) at the Baier subsite and be discontinued at the McCarl subsite. Routine inspections would continue to take place twice a year at both subsites. It was determined that the remedy for this site continued to be protective of human health and the environment.

The Third Five-Year Review was completed in August 2007. Ground water monitoring at the Baier subsite will continue to be conducted biennially. Routine inspections will be conducted twice a year at the Baier subsite and may be discontinued at the McCarl subsite. DuPont implemented an Environmental Covenant that vacates the prior Declaration of Restrictive Covenant, which was found to have erroneous property descriptions, and imposes restrictions on land use for the Baier subsite. It was determined that the remedy for this site continues to be protective of human health and the environment.

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## COMMUNITY INVOLVEMENT

4/02 - Fact sheet announcing start of second five-year review

9/02 - Fact sheet announcing completion of second five-year review

Fort Madison *Daily Democrat*, *Bonny Buyer*, and *West Point Bee* are usually used for publication.

3/07 - Fact sheet and display ad/notice announcing start of third five-year review

11/07 - Fact sheet and display ad/notice announcing completion of third five-year review

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## SITE REPOSITORY



Fort Madison Public Library  
1920 Avenue E  
Fort Madison, IA 52627

Superfund Records Center  
901 N. 5th St.  
Kansas City, KS 66101  
Mail Stop SUPR  
(913)551-7166

## REGIONAL CONTACTS

**SITE MANAGER:**

**E-MAIL ADDRESS:**

**PHONE NUMBER:**

Diana Engeman

engeman.diana@epa.gov

(913) 551-7746

**COMMUNITY INVOLVEMENT**

**COORDINATOR:**

**PHONE NUMBER:**

**E-MAIL ADDRESS:**

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washburn.ben@epa.gov

**STATE CONTACT:**

**PHONE NUMBER:**

Robert Drustrup

(913) 281-8900

## MISCELLANEOUS INFORMATION

**STATE:**

IA

07Y6

**CONGRESSIONAL DISTRICT:**

02

**EPA ORGANIZATION:**

SFD-IANE/SUPR

## MODIFICATIONS

**Created by:**

Karla  
Asberry/SUPRFUND/R7/US  
EPA/US

**Created Date:**

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**Last Modified by:**

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Engeman/R7/USEPA/US

**Last Modified Date:**

05/11/2011 09:05 AM