

## NATIONAL PRIORITIES LIST (NPL)

\*\*\*Final Site\*\*\*

September 2005

### **GARVEY ELEVATOR** | **Hastings, Nebraska** *Adams County* | *3<sup>rd</sup> Congressional District*

#### **Site Location/Size:**

The Garvey Elevator is a commercial grain elevator located 0.5 mile southwest of Hastings, Nebraska, in Adams County. The Garvey Elevator facility covers 106 acres of land, 22 of which are improved.

#### **Site History:**

The Garvey Elevator terminal consists of a concrete elevator head house with a total of 258 bins and 4,733,000 bushels of storage capacity. Chemical storage tanks at the facility included a 3,000 gallon aboveground storage tank, installed in 1960 and removed in 1986, which contained liquid fumigant. The liquid fumigant, which was applied to grain in all upright grain storage areas, was composed of 80 percent carbon tetrachloride (CCl<sub>4</sub>) and 20 percent carbon bisulfide. The underground service pipe between the tank and the elevator leaked and was repaired, but the exact date of the pipe repair or the amount of liquid fumigant that was lost through the leak is undetermined. The facility ceased use of the liquid fumigant in 1985.

#### **Site Contamination/Contaminants:**

At the site, ground water from one municipal well and multiple private drinking water wells is contaminated with CCl<sub>4</sub>. In addition, soil and soil gas sampling have detected CCl<sub>4</sub> at the Garvey Elevator facility, and monitoring wells have documented a release of CCl<sub>4</sub> to the aquifer under the facility.

#### **Potential Impacts on Surrounding Community/Environment:**

Multiple private drinking water wells located downgradient from the facility are contaminated with CCl<sub>4</sub>. Investigations by Garvey Elevator contractors, Nebraska Department of Health and Human Services and EPA Region 7 documented CCl<sub>4</sub> in private drinking water wells exceeding EPA's health-based benchmarks.

#### **Response Activities (to date):**

To date, approximately 30 residential homes and/or businesses have been supplied some type of alternate water.

*[The description of the site (release) is based on information available at the time the site was evaluated with the HRS. The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, or subsequent FR notices.]*

For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at <http://www.atsdr.cdc.gov/toxfaq.html> or by telephone at 1-888-42-ATSDR or 1-888-422-8737.