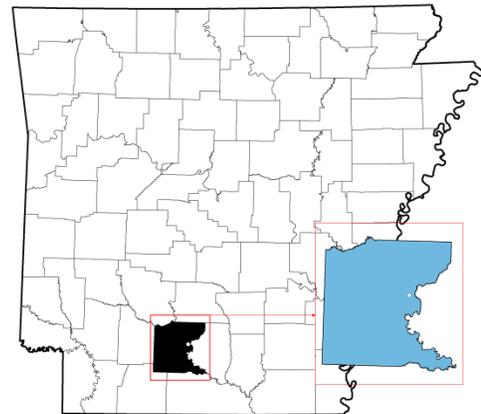




STATE PRIORITY LIST SITE SUMMARY

Arkansas Department of Energy & Environment, Division of Environmental Quality
5301 Northshore Drive, North Little Rock, AR 72118

Facility Name: General Dynamics
Facility Location: East Camden, Arkansas
EPA RCRA ID No: ARD990661050
EPA CERCLA ID No: N/A
AFIN: 52-00355
County: Ouachita
Arkansas Senate District: 26
Arkansas House District: 7
US Congressional District: 4



CURRENT STATUS

A Work Plan for Additional Groundwater Assessment was approved on November 2, 2012, to implement a five-year groundwater monitoring plan at the property. On behalf of the General Dynamics Corporation, Brown and Caldwell submitted the Final 2016 Annual Report and Five-Year Data Review (Final Report) on March 30, 2017. ADEQ approved the Final Report on August 3, 2017. ADEQ concurred that monitored natural attenuation (MNA) has been demonstrated to be effective and no further remedy action is required under the condition that long-term monitoring of the contaminant plumes be continued and the plumes maintain a stable or decreasing trend. ADEQ approved abandoning wells that: a) were not impacted by trichloroethylene (TCE) and 1,1-dichloroethylene (1,1-DCE) the last time the wells were sampled, and b) do not define the contaminant plume. Monitoring Wells -1, -3, -7, -18, -22 and -23 were plugged and abandoned in May of 2019. Brown and Caldwell have completed the 2023 sampling event and are currently working on the 2023 Monitored Natural Attenuation Report. The next monitoring event is presumably scheduled for 2027.

STATE PRIORITY LIST HISTORY

The ADEQ, through the Arkansas Pollution Control and Ecology Commission (APC&EC), added the General Dynamics site to both the Investigative and Remediation categories of the State Priorities List on December 9, 2005. This measure was taken in order to investigate the

extent of contamination and address and remediate any existing risks to human health and the environment, with the ultimate goal of returning the property to productive use.

SITE DESCRIPTION

Location: The site is located within the city limits of East Camden, at the Airport Industrial Park. The address is 204 Ouachita 212, East Camden, Ouachita County.

Population: Estimated population of East Camden is 851.

Setting: The site is a vacant manufacturing facility located on approximately 52 acres. The current owner of the facility is Highland Industrial Park, also located in East Camden. The facility produced guidance and control sets for missiles and performed other electronic sub-assembly work. The facility was last operated by Hughes Missile Systems around 1994. General Dynamics sold the facility to the Ouachita County Public Facilities Board in 1995. The facility has remained vacant since that time.

Hydrology: The site is relatively flat and drains to the south/southwest into an unnamed stream which eventually drains into Blue Lake located to the south of the site.

Aerial Photo: Satellite Image of Facility



WASTE AND VOLUMES

Soil and groundwater at the site are contaminated (both on-site and off-site) primarily from TCE and 1,1-DCE. The extent of contamination in the groundwater is currently being monitored.

HEALTH CONSIDERATIONS

Contaminant levels in groundwater exceeding the MCL could pose a potential risk to groundwater users in the area. Residents located near the facility may be exposed to organic vapors originating from the groundwater beneath their homes.

DEQ RESPONSE ACTIONS

ADEQ listed this site on the State Priority List to ensure the remediation of any risks to human health and the environment was conducted adequately. General Dynamics updated the risk assessment in February of 2012. ADEQ issued a Remedial Action Decision Document (RADD) in which discusses the selection of the most appropriate remedy for the General Dynamics site. No further action was selected for surface soils and subsoils based on the conclusions of the approved risk assessment determining that there is no risk to either human health or the environment. The 2012 risk assessment evaluated exposure to current and potential future Site occupants and concluded that there are no unacceptable risks to current receptors. Specifically, the only potentially complete exposure pathway was (and currently remains to be) an industrial worker exposed to indoor air from vapors that have migrated into indoor air from groundwater (soil vapor intrusion). Both the cancer risk (2×10^{-8}) and non-cancer hazard index (0.0006) were calculated to be below a level of significance. The National Contingency Plan (NCP) criteria are 10^{-6} to 10^{-4} for cancer risk, and 1 for noncancer hazard, and the calculated values for the Site are well below these criteria. Deed restrictions prohibiting groundwater use and monitored natural attenuation (MNA) were selected as the groundwater remedies based on the conclusions of the risk assessment. A Consent Administrative Order (CAO) was entered into between General Dynamics and ADEQ on May 17, 2013 to implement the RADD. According to the CAO, General Dynamics would monitor the site for natural attenuation for five (5) years beginning in 2012. Annual groundwater reports were submitted to ADEQ. The Final Annual Report and Five-Year Review Data Evaluation were submitted on March 30, 2017. ADEQ approved the Final Report on August 3, 2017, and concurred to continue long-term monitoring until contaminant concentrations are below the maximum contaminant levels (MCLs). On November 1, 2018 a Monitoring Well Abandonment Work Plan was submitted to ADEQ. ADEQ approved the Monitoring Well Abandonment Work Plan Rev. 1 on February 25, 2019. During the 2019 sampling event on May 6-8, 2019, Monitoring Wells -1, -3, -7, -18, -22 and -23 were plugged and abandoned.

ADEQ ANTICIPATED FUTURE ACTIVITIES

The General Dynamics Site has transitioned to long-term groundwater monitoring for TCE and 1,1-DCE at monitoring wells MW-16, MW-26, MW-27, and MW-29. If the data continue to demonstrate a stable or decreasing trend, the long-term monitoring plan will continue every four (4) years until concentrations of the contaminants are below the MCLs. In the event the data for the long-term monitoring suggest that the documented conditions have changed such that MNA does not maintain its effectiveness in groundwater, an evaluation will be made relative to the need for an alternative remedy for the Site and implementation of a contingency plan may be necessary.

SITE CONTACTS

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