



Site S-8 Groundwater Fact Sheet

January 1999

A fact sheet providing information about the Site S-8 Groundwater CMI Work Plan

The purpose of this fact sheet is to provide information about the Corrective Measures Implementation (CMI) Work Plan for groundwater at Site S-8. The information discusses both the history of Site S-8 and the proposed initiatives, outlined in the CMI Work Plan, Kelly's environmental team will undertake to ensure the cleanup of groundwater from the site. The objective of the corrective measures is to protect human health and the environment by achieving safe concentration limits as specified by state regulations.

Site History

Site S-8 is located south of Tinker Drive along the east side of Berman Road. The site consists of a grass-covered area across from building 329 between Berman Road and the Union Pacific railyard.

Site S-8 was the location for the Automated Engine Parts Cleaning Facility (AEPCF) from 1946 until 1980. The AEPCF was dismantled and removed from the area in 1982. Tanks at the facility, which were also removed in 1982, were also used as storage for cleaning solvents and aircraft fuel.

After a Focused Feasibility Study was completed in early 1991, an interim cleanup system was recommended and implemented. Twelve wells were installed to recover spilled fuel, and a groundwater treatment plant was built in 1993 to treat groundwater from Site S-8 and other sites. The groundwater treatment plant is still in operation. The water is treated to destroy chlorinated hydrocarbons. After treatment at the groundwater treatment plant, this water is then transferred to the Environmental Process Control Facility for the final phase of treatment.

Kelly AFB was issued a Permit and Compliance Plan on June 12, 1998 by the Texas Natural Resource Conservation Commission. The Compliance Plan requires submittal of a CMI Work Plan for long-term corrective action at sites.

The Site S-8 CMI Work Plan proposes an enhanced two-well design system. The new system combines one

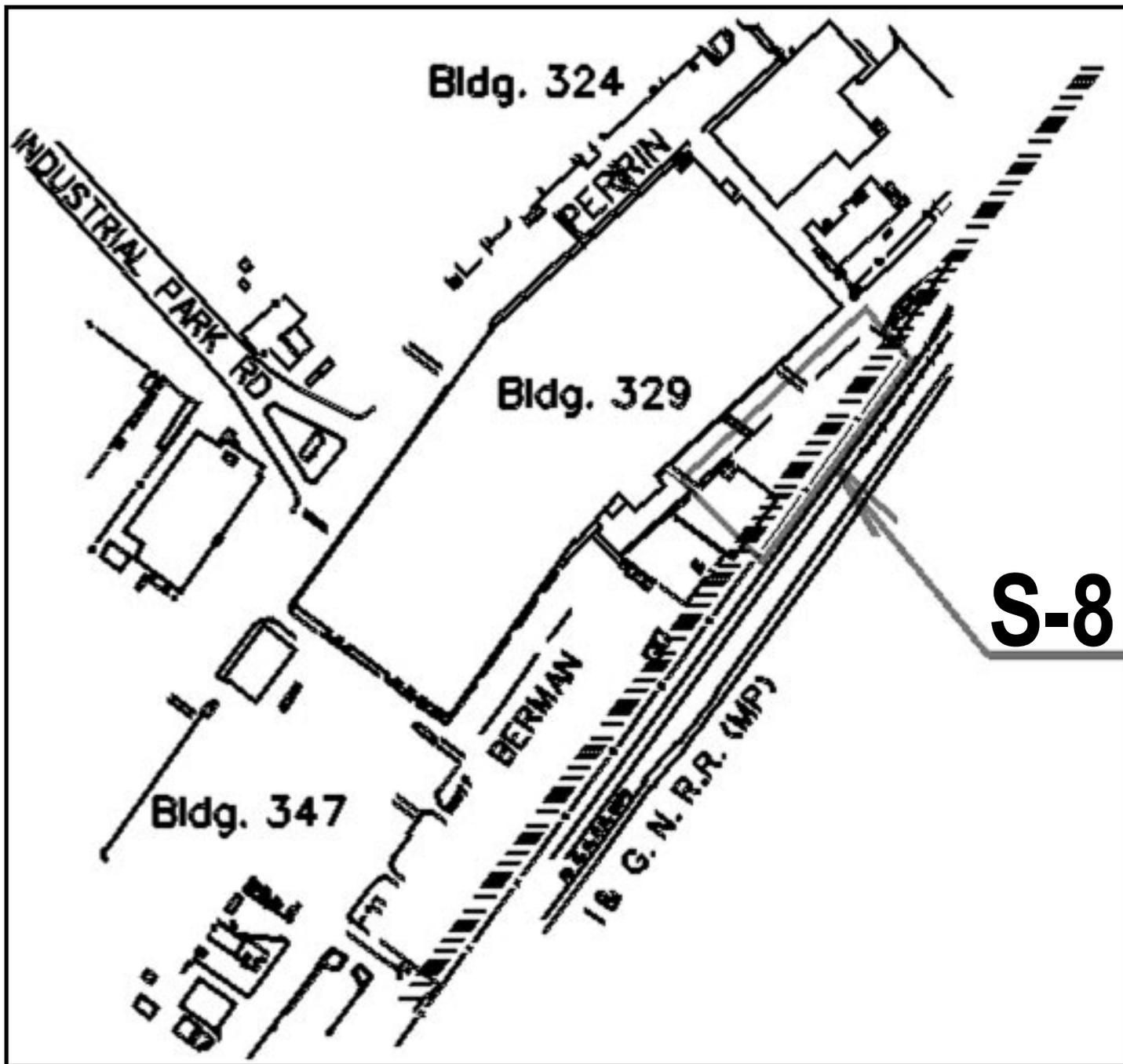
existing recovery well with a new recovery well and additional instrumentation and piping. The two wells will create a "capture" zone that collects contaminated groundwater from beneath Site S-8 and the adjacent railyard. In addition, bailers will be placed in 16 monitoring wells to recover stabilized JP-4 free-product plumes.

The contaminated groundwater is located in the shallow groundwater aquifer. The shallow aquifer is located 15 to 40 feet below ground and is separated from the Edwards Aquifer, which is the City of San Antonio's drinking water supply, by approximately 800 to 1,000 feet of clay that can not be penetrated. The shallow groundwater aquifer is not used as a source of drinking water for the citizens of the City of San Antonio.

Corrective Measures

The following is a list of the corrective measures Kelly's environmental team foresees implementing as a means of controlling and eventually eliminating contamination in the groundwater:

- ⊙ Groundwater recovery / containment wells
 - Ex situ treatment of groundwater using UV oxidation and hydrogen peroxide at the
- ⊙ Groundwater Treatment Facility
 - Removal and disposal of fuel from monitoring wells in conjunction with the bioventing cleanup systems proposed for the soil contamination
- ⊙ Performance monitoring throughout the compliance period, which will consist of periodic sampling of a series of monitoring wells
- ⊙ Institutional Controls: including rules, directives and policies adopted by Kelly AFB; ordinances to prohibit use of other water supplies if public water supplies are available, which will ensure S-8 groundwater is not used for drinking water; and deed restrictions to ensure future land use is appropriate for the protection of human health and the environment.



Comment Period

A 60-day public comment period began on Dec. 14. During this time period, the community may review the work plan at either the San Antonio Public Library in the Government Documents section or at the Kelly AFB library.

Citizens can submit a written public comment or request a public meeting by writing:

**Office of the Chief Clerk, MC 105
TNRCC
P.O. Box 13087
Austin, TX 78711-3087.**

Comments and requests for public meetings should be sent within the 60-day comment period.

Public Meeting

Kelly AFB will hold a public meeting on January 19, 1999 from 5 p.m. to 6:30 p.m. at Winston Elementary for individuals interested in learning more about the Site S-8 CMI Work Plan. Scientists, researchers and Kelly officials will be on hand to answer questions or concerns citizens may have regarding the Site S-8 CMI Work Plan. For more information, please contact the Kelly Environmental Public Affairs Office at 925-3100 ext. 230.