

Installation Restoration Program



ZONE SITES FACT SHEET

AUGUST 1999

A fact sheet providing information about each zone of Kelly AFB's Installation Restoration Program

HISTORY

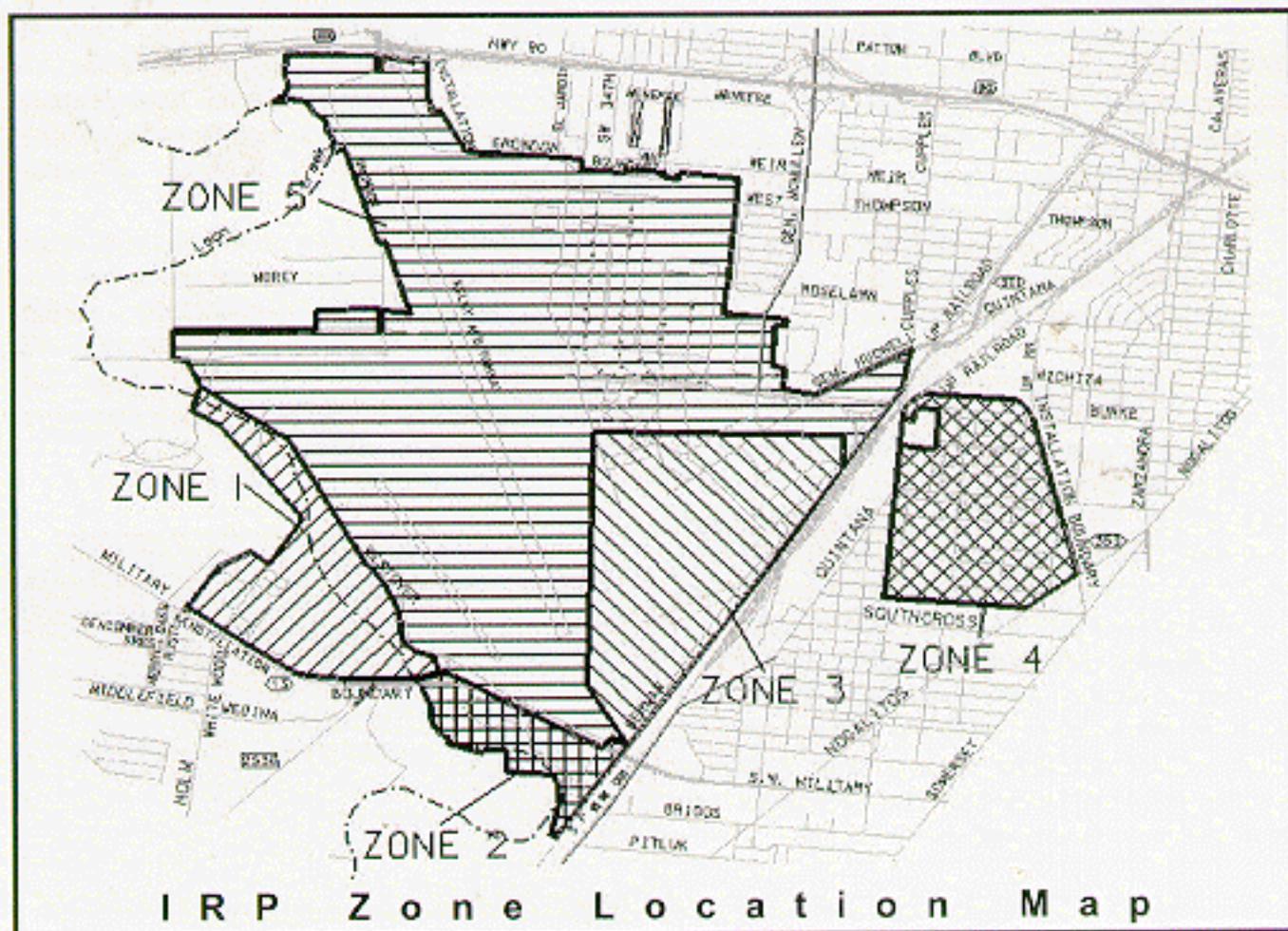
Under the Kelly Air Force Base Installation Restoration Program (IRP), Kelly is divided into five zones. Each zone contains a number of IRP sites regulated by the Department of Defense in cooperation with the Environmental Protection Agency (EPA) and state agencies following rules established by Congress for Superfund cleanup actions.

Under those rules, the EPA has delegated to the Texas Natural Resource Conservation Commission (TNRCC) the responsibility for supervising hazardous waste programs at Kelly and elsewhere in the state.

Zone 1 is located on the west side of the base north of Military Drive and includes Security Hill. The golf course covers much of the area. Leon Creek flows through the zone from north to south. All groundwater within the zone is considered an IRP site.

Zone 1 comprises nine landfills, one combined site, two low level radioactive waste sites, three waste pits (two of which are located in the landfill sites), one burn area, one fire training area and one sludge spreading area. Contaminants include organic compounds such as trichloroethene as well as inorganic compounds such as chromium and lead.

ZONE 1



ZONE 2

Zone 2 includes the small part of the base that extends south of Military Drive. Leon Creek forms the western and southern boundaries of the zone. Contaminants include both organic and inorganic compounds.

Plans to clean up contaminated groundwater on and off base have been finalized, including remediation of Site E-3, a former chemical evaporation pit whose remaining contaminants will be cleaned up in place using soil vapor extraction.

Final closure plans for several Zone 2 soil sites have been approved by TNRCC with few modifications. Some sites have been approved by state and federal regulatory agencies for closure as is, while others will continue to undergo remediation.

ZONE 3

Zone 3 includes most of the industrial areas on the southeast side of Kelly AFB. The area is bounded on the east by the Union Pacific railyards. Contaminants in Zone 3 include solvents, inorganic chemicals, and petroleum products from fuel spills and leaking industrial waste lines. Solvents are industrial chemicals used for removing grease and oils from aircraft parts. All groundwater within the zone constitutes an IRP site.

A groundwater confinement barrier around Site MP, the location of two former metal plating shops, was completed in June 1999. In-place treatment of soil contamination by soil vapor extraction at Site 8 along the southeastern reservation boundary will begin in fall 1999 with the completion of a set of venting and monitoring wells. Another set of wells will be installed about the same time at Site S-8 to pump out contaminated groundwater for treatment.

ZONE 4

Zone 4 encompasses all of East Kelly AFB (including the grounds of a former aircraft maintenance facility that is now the St. Philip's College Southwest Campus) and the areas north, east, and south of East Kelly into which contaminated shallow groundwater from East Kelly may have migrated.

Liquid wastes generated before 1971 at the former maintenance facility were disposed of through the Industrial Wastewater Collection System (IWCS), which transported them to the waste treatment facilities on the main base. Site SS051 comprises both the maintenance facility and the IWCS line.

Liquid wastes generated at East Kelly facilities may have been similar to some wastes generated at the current engine repair facilities, including trichloroethane, methyl ethyl ketone, toluene, hydrochloric acid, waste oils, paint thinners, paint strippers, penetrants and other solvents.

A facility investigation under the Resource Conservation and Recovery Act (RCRA) is ongoing to determine the nature and extent of soil and groundwater contamination in Zone 4. Investigations during 1998-99 included extensive soil and groundwater sampling and analysis both on and off base in a wide area of South San Antonio.

As an interim remedial measure, a series of horizontal wells is being installed along the southern and eastern perimeter of East Kelly during the remainder of 1999 to contain contaminated shallow groundwater within the installation boundary.

ZONE 5

Zone 5 includes all areas of the base not part of zones 1 through 4, all areas adjacent to the flight line and the Kelly warehouse area. Because Zone 5 covers more than half the base, it was divided into four study areas.

Zone 5 includes the runways; taxiways and associated operations; warehouse areas; base housing; base administration and aircraft maintenance areas, and stations of the 149th Fighter Wing, Texas Air National Guard and 433rd Military Airlift Wing, Air Force Reserve. Several IRP sites are located within Zone 5 where products such as aircraft fuels, solvents, gasoline, and diesel fuel for emergency generators were handled.

These facilities have since closed, relocated, or are scheduled for closure. Contaminated soil at Site S-1, the former Defense Property Disposal Office storage area, is to be excavated in the summer of 1999. All groundwater within Zone 5 constitutes a single IRP site, and it will be addressed in the Zone 5 Corrective Measure Study.

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