

DoD Sites with Known Perchlorate Contamination

State	State "Advisories"	City	Facility	Status	Contamination Identified	Max. Conc. Water = ppb Soil = ppm	Reference
AL		Huntsville	Redstone Arsenal Missile Plant	NPL	Groundwater	19,000	EPA June 2, 2003
					Soil	NL	DoD NPL Oct03
					Springs/Seeps	37	EPA April 2003
AZ	14 ppb	Bellemont	Camp Navajo		Groundwater	NL	DoD Oct03
		Tucson	Davis Monthan Air Force Base		Soil	28	DoD Survey2
		Yuma	Yuma Marine Corps Air Station	NPL	Groundwater	4.21	DoD NPL Oct03
Surface Water	4.56				DoD NPL Oct03		
CA	4 ppb	Marysville	Beale Air Force Base		Groundwater	500	CA SWRCB/DTSC
		Ridgecrest	China Lake Naval Weapons Station		Groundwater	560	CA SWRCB/DTSC
		Edwards	Edwards Air Force Base	NPL	Groundwater	160,000	EPA June 2, 2003
					Soil	2,100	DoD Survey2
		El Toro	El Toro Marine Corps Air Station	NPL Closed	Groundwater	380	EPA June 2, 2003
		Rancho Cordova	Mather Air Force Base*	NPL Closed	Drinking Water	120	EPA June 2, 2003
					Groundwater	1,800	EPA June 2, 2003
		Sacramento	McClellan Air Force Base	NPL Closed	Groundwater	6	CA SWRCB/DTSC
		Herlong	Sierra Army Depot		Groundwater	8	CA SWRCB/DTSC
					Soil	7.52	CA SWRCB/DTSC
		Fairfield	Travis Air Force Base	NPL	Groundwater	NL	DoD Oct03
Vandenberg AFB	Vandenberg Air Force Base		Groundwater	517	CA SWRCB/DTSC		
			Soil	NL	DoD Letter to CalEPA		
San Nicholas Island	US Navy Firing Range		Drinking Water	20	CADHS 2003		
			Soil	88	CA SWRCB/DTSC		
CO		Pueblo	Pueblo Chemical Depot		Groundwater	180	EPA June 2, 2003
GA		Moody AFB	Moody Air Force Base		Soil	46.9	DoD Survey2
IA		Middletown	Iowa Army Ammunition Plant	NPL	Groundwater	9	EPA June 2, 2003
						30	Interview 02.25.04-EPA official
MA	1 ppb	Bourne	Massachusetts Military Reservation	NPL	Drinking Water	1.75	DoD Oct03
					Groundwater	300	DoD NPL Oct03
MD	1 ppb	Aberdeen	Aberdeen Proving Ground	NPL	Drinking Water	5	DoD NPL Oct03
					Groundwater	24	EPA June 2, 2003
					Soil	0.015	DoD NPL Oct03
		Adelphi	Adelphi Laboratory Center*		Groundwater	NL	DoD Survey2
		Odenton	Fort Meade	NPL	Groundwater	NL	DoD Oct03

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MD	1 ppb	Indian Head	Naval Surface Warfare Center	NPL	Groundwater	25,000	DoD Survey2
					Soil	NL	DoD Survey2
					Surface Water	3,000	DoD Survey2
		White Oak	Naval Surface Warfare Center	Closed	Groundwater	798	EPA April 2003
MO		Independence	Lake City Army Ammunition Plant	NPL	Groundwater	79	DoD Oct03
					Soil	0.015	DoD NPL Oct03
NJ		Dover	Picatinny Arsenal	NPL	Groundwater	627	EPA June 2, 2003
NM	1 ppb	Clovis	Cannon Air Force Base		Drinking Water	46	EPA April 2003
					Soil	NL	DoD Oct03
					Surface Water	6.1	DoD Oct03
		Gallup	Fort Wingate Depot Activity		Groundwater	2,860	EPA June 2, 2003
					Soil	NL	EPA June 2, 2003
		Alamogordo	Hollomon Air Force Base		Groundwater	40	EPA June 2, 2003
					Soil	NL	EPA June 2, 2003
					Surface Water	16,000	EPA June 2, 2003
		Albuquerque	Kirtland Air Force Base		Soil	NL	EPA June 2, 2003
		Melrose	Melrose Air Force Range		Water Supply Well	40.7	EPA April 2003
		Las Cruces	White Sands Missile Range		Groundwater	30,000	DoD Survey2
					Soil	NL	EPA April 2003
OK		McAlester	McAlester Army Ammunition Plant		Surface Water	NL	DoD Oct03
OR		Hermiston	Umatilla Army Depot	NPL	Groundwater	10	EPA June 2, 2003
SC		Shaw AFB	Poinsett Range		Groundwater	8.4	DoD Oct03
TX	4 ppb, 7 ppb or 10 ppb	San Antonio	Camp Bullis		Groundwater	NL	DoD Oct03
					Texarkana	Lone Star Army Ammunition Plant	NPL
			Soil	0.009	DoD Oct03		
			Surface Water	6	EPA June 2, 2003		
		Karnak	Longhorn Army Ammunition Depot	NPL	Groundwater	247,000	DoD NPL Oct03
					Soil	163	DoD NPL Oct03
Surface Water	11,000				ATSDR		

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TX	4 ppb, 7 ppb or 10 ppb	McGregor	McGregor Naval Weapons Plant	Closed*	Groundwater	91,000	EPA June 2, 2003	
					Soil	NL	EPA June 2, 2003	
					Springs	22,000	DoD	
					Surface Water	5,600	DoD	
		Texarkana	Red River Army Depot			Groundwater	80	EPA June 2, 2003
						Soil	NL	DoD Oct03
Storm Water	82					DoD Survey2		
Surface Water	NL					DoD Oct03		
UT		Ogden	Hill Air Force Base	NPL	Drinking Water	NL	DoD Oct03	
					Groundwater	70	DoD Oct03	
					Soil	NL	DoD Oct03	
		Great Salt Lake Desert	Hill AFB, Utah Test and Training Range			Groundwater	84	DoD Survey2
						Quench Water	4,668	DoD Survey2
						Soil	0.25	DoD Survey2
		Magna	Naval Industrial Reserve Ordnance Plant (NIROP) facility at Alliant Techsystems			NA	NL	DoD Survey2
WA		Vancouver	Camp Bonneville	Closed	Groundwater	200	EPA June 2, 2003	
					Soil	NL	EPA June 2, 2003	
WV		Rocket Center	Allegany Ballistics Lab	NPL	Groundwater	26,200	DoD Survey2	
					Surface Water	400	DoD NPL Oct03	

Notes:

*: source of perchlorate contamination may have originated from another site.

Closed: site closed under the Defense Base Realignment and Closure (BRAC) process. See <http://www.defenselink.mil/brac/docs/1995com.pdf>.

Closed*: site closed by DoD and undergoing divestiture. See DoDSurvey2.

Max. Conc.: maximum concentration reported.

NL: not listed.

NPL: site is on the Superfund National Priorities List. See http://www.house.gov/commerce_democrats/DODexemptions/superfundsites.pdf.

ppb: parts per billion.

ppm: parts per million.

Regulation Type: Based on a PowerPoint presentation by Kevin Mayer, EPA Region 9. See <http://www.swrcb.ca.gov/rwqcb4/html/perchlorate/presentations/PerchlorateLosAngl%20Mar'03.ppt>.

This data represents government-sourced information reviewed to date. It does not represent the full universe of DoD sites contaminated by perchlorate because a systematic assessment of DoD sites has not been conducted.

Sources:

ATSDR: Agency for Toxic Substances and Disease Registry. Public Health Assessment: Longhorn Army Ammunition Plant, Karnack, Harrison County, Texas. See http://www.atsdr.cdc.gov/HAC/PHA/longhorn/laa_toc.html.

CADHS 2003: California Department of Health Services. December 1, 2003. Perchlorate in California Drinking Water: Monitoring Update. See <http://www.dhs.ca.gov/ps/ddwem/chemicals/perchl/monitoringupdate.htm>.

CA SWRCB/DTSC: California State Water Resources Control Board & Department of Toxic Substances Control. See http://geotracker3.ecointeractive.com/slic_perchlorate/report_confirmed.asp.

DoD: Department of Defense. Document on perchlorate issues at the Naval Weapons Industrial Reserve Plant McGregor, Texas. See <https://www.denix.osd.mil/denix/Public/Library/Water/Perchlorate/Mcgregor/mcgregor.html>.

DoD Letter to CalEPA: Department of Defense. Document released by letter dated July 3, 2003 to CalEPA. See https://www.denix.osd.mil/denix/Public/Library/Water/Perchlorate/Correspondence/lowry_3jul03.pdf.

DoD NPL Oct03: Department of Defense. Document released by letter dated Oct. 6, 2003 to Rep. John D. Dingell and Rep. Hilda Solis. See https://www.denix.osd.mil/denix/Public/Library/Water/Perchlorate/Correspondence/enclosure5npl_facility_sampling.pdf.

DoD Oct03: Department of Defense. Document released by letter dated Oct. 6, 2003 to Rep. John D. Dingell and Rep. Hilda Solis. See https://www.denix.osd.mil/denix/Public/Library/Water/Perchlorate/Correspondence/enclosure4sampling_since2001.pdf.

DoD Survey2: Department of Defense. 2001 perchlorate occurrence survey produced on August 1, 2003 to the Minority Staff, Committee on Energy & Commerce.

EPA April 2003: Environmental Protection Agency. Memo and table by Kevin Mayer, EPA Region 9, on perchlorate occurrences. See http://www.clu-in.org/contaminantfocus/default.focus/sec/perchlorate/cat/Environmental_Occurrence/.

EPA June 2, 2003: Environmental Protection Agency. Document entitled "Known Perchlorate Releases in the U.S. - As of June 2, 2003." Document released by letter dated June 27, 2003 to Rep. John D. Dingell and Rep. Hilda Solis.

Interview 02.25.04-EPA official.