

Known Perchlorate Releases in the U.S. - March 25, 2005

Disclaimer: The detections shown do not represent the entire universe of perchlorate releases in the United States. This represents the extent of perchlorate detection data currently known to the EPA as reported from various sources. The values displayed represent the highest values that have been reported. Subsequent sampling may have identified lower levels of perchlorate in the affected media.

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State	Facility/Site Name	City/County	BRAC	NPL	Highest DW Conc (ppb)	Highest GW Conc (ppb)	Highest SW Conc (ppb)	Highest Soil Contam	Initial Detection Date
DOD FACILITIES									
AL	Fl. McClellan	Anniston	Y	N	--	3	3	{32}	12/2000
AL	U.S. Army/NASA RedStone Arsenal -Aviation & Missile Command; Thiokol-Huntsville(former) ²	Huntsville	N	F	--	220000	12200	280	07/2000
AR	Shumaker NAD (FUDS) ⁶	Camden	N	N	--	{850}	--	--	N/A
AZ	Camp Navajo ^{3,6}	Bellmont	N	N	--	{Y}	{37}	--	N/A*
AZ	Davis Monthan Air Force Base	Tucson	N	N	--	--	--	Y	03/2000
AZ	Fort Huachuca ⁶	Cochise County	N	N	--	--	--	{27000}	N/A
AZ	Yuma MCAS ^{3,6}	Yuma	N	F	--	{4}	{5}	{150}	N/A*
AZ	Yuma Proving Ground	Yuma	N	N	--	--	5	--	04/21/1999
CA	Beale AFB ³	Marysville	N	N	--	{Y}	--	--	N/A*
CA	China Lake	Ridgecrest	N	N	{720}	--	--	--	N/A
CA	Concord Naval Weapons Station	Concord	N	F	2	--	--	--	06/2003
CA	Edwards AFB/Air Force Research Laboratory	Edwards	N	F	--	4550	--	--	N/A
CA	Edwards AFB/Jet Propulsion Laboratory ⁶	Edwards	N	F	--	160000	--	{2100000}	07/1997
CA	El Toro MCAS	El Toro	Y	F	--	{398}	--	--	10/1998
CA	Fort Irwin - UCMR		N	N	10	--	--	--	08/17/2004
CA	Fort Ord	Marina	Y	F	--	--	--	{106}	N/A
CA	Mather AFB ³	Rancho Cordova	Y	F	120	1800	--	--	03/1997
CA	McClellan AFB	Sacramento Cty.	Y	F	--	15	--	--	N/A
CA	Nike 14 Launcher Area (FUDS) ³		N	N	--	{Y}	--	--	N/A*
CA	Pyrite Canyon (FUDS) ⁶	Glen Avon	N	N	--	{81}	--	--	N/A
CA	Seal Beach Naval Weapons Station ⁶	Seal Beach	N	N	--	--	--	{2460}	N/A
CA	Travis AFB ³	Fairfield	N	F	--	{Y}	--	--	N/A*
CA	U.S. Navy Firing Range	San Nicolas Isl.	N	N	16	--	--	--	09/23/1998
CA	Vandenberg AFB ³	Lompoc	N	N	--	{517}	--	{Y}	N/A*
CO	Pueblo Chemical Depot	Pueblo	Y	N	--	180	--	--	11/2002
IA	Iowa Army Ammunition Plant ⁶	Middletown	N	F	--	{28}	--	--	11/2000
IL	Charlote AFB	Rantoul	Y	P	5	--	--	--	02/2004
IL	Savanna Army Depot Activity	Savanna	Y	F	--	12	--	--	08/2003
IN	Crane Army Ammunition Activity ⁶	Bloomington	N	N	--	--	--	{470}	N/A
IN	US Army Jefferson Proving Ground	Madison	Y	N	--	--	{1}	{110}	02/2002
MA	Massachusetts Military Reservation ⁶	Bourne	N	F	2	500	--	{134,000}	08/2000
MD	Aberdeen Proving Ground ^{2,6}	Aberdeen	N	F	1	{3500}	--	15000 (soil) {17} (sed)	02/03/2001
MD	Fl. Meade ³	Odenton	Y	F	--	70	--	--	05/2002
MD	Naval Surface Warfare Center, Indian Head Division ^{2,3}	Indian Head	N	F	--	{276,000}	{4}	{480,000} (soil) {230} (sed)	08/2000

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MD	Naval Surface Warfare Center, White Oak	Silver Springs	Y	N	--	(880)	{11}	{1400}	10/1999
MN	Twin Cities Army Ammunition Plant	New Brighton	N	F	--	0.081	--	--	12/2003
MO	Lake City Army Ammunition Plant	Independence	N	F	--	70	--	--	02/2002
NJ	Fort Dix	Pemberton Twnsh	Y	F	--	{28}	--	--	N/A
NJ	Picatinny Arsenal ^{2,6}	Picatinny Ars.	N	F	--	627	--	{500}	12/27/2000
NM	Cannon AFB	Clovis	N	N	46	46	{6.1}	{Y}	12/2000
NM	Fl. Wingate Depot ⁶	Gallup	Y	N	--	{2890}	--	{3180}	07/2000
NM	Holloman AFB ⁶	Alamogordo	N	N	--	{7600}	16000	{7600} (soil & Sed)	03/1999
NM	Kirtland AFB	Albuquerque	N	N	--	13	--	50500	02/2001
NM	Melrose AF Bombing Range	Melrose	N	N	41	41	--	--	04/2001
NM	White Sands Missile Range (USArmy) ²	White Sands	N	N	--	21000	--	--	04/1999
OH	Ravenna Army Ammunition Plant ⁶	Ravenna	N	N	--	--	{25}	--	N/A
OH	Wright-Patterson AFB (UCMR)	Dayton	N	F	17	--	--	--	02/2004
OK	McAlester Army Ammunition Plant ^{3,4}	McAlester	N	N	--	--	{Y}	--	08/2002
OR	Navy Boardman Bombing Range	Boardman	N	N	--	4	--	--	06/2003
OR	Umatilla Ammunition Demolition Area	Hermiston	Y	F	--	10	--	--	05/2001
SC	Shaw AFB - Poinsett Range ³	Sumter	N	N	--	{8.4}	--	--	2001
SD	Badlands Bombing Range	Pine Ridge	N	N	--	1	--	--	05/2003
TN	Arnold AFB ⁶	Machester/Tullaho	N	P	--	{1000}	--	--	N/A
TX	Lone Star Army Ammunition Plant	Texarkana	N	F	--	23	6	157 (soil) 186 (sed)	07/2001
TX	Longhorn Army Ammunition Plant ²	Karnack	N	F	--	203000	11000	163000	02/1998
TX	McGregor Naval Weapons Industrial Reserve Plant (NWIRP) ^{3,6}	McGregor	N	N	--	91000	{6600}	{1,800,000}	05/1998
TX	Red River Army Depot ^{3,6}	Texarkana	Y	N	--	7	417	{226}	11/1999
TX	Camp Bullis ^{3,5}	San Antonio	N	N	--	345 - DOD 424 - TCEQ	--	--	08/2001
UT	Hill AFB ³	Ogden	N	F	{Y}	70	--	{Y}	05/1998
VA	Naval Surface Warfare Center - Dahlgren ⁶	Dahlgren	N	F	--	{2100}	--	--	N/A
VA	Radford Army Ammunition Plant ⁶	Radford	N	N	--	{11}	--	--	N/A
WA	Camp Bonneville	Vancouver	Y	N	--	250	--	Y	2001
WV	Alliant Tech; Naval Ordnance, Allegheny Ballistics Laboratory ²	Rocket Center	N	F	--	34900	400	880 (soil) 2500 (subsoil) 190 (sed)	1999
OTHER FEDERAL AGENCY FACILITIES									
CA	Jet Propulsion Laboratory (NASA)	Pasadena		F	54	n/a	--	--	N/A
CA	Lawrence Natl Lab, DOE Experimental Site 300 (DOE)	Tracy		F	--	84	--	--	N/A
CA	Santa Susana Field Lab, Rocketdyne Division (DOE)	Santa Susana		N	--	750	--	--	N/A
IL	Sangamo Electric Dump/Crab Orchard National Wildlife Refuge (USF&W - DOI)	Carterville		F	--	1200	--	--	04/2000
NM	Los Alamos National Laboratory DOE	Los Alamos		N	3	220	--	--	N/A
NM	Sandia National Labs (DOE)	Albuquerque		N	--	--	--	Y	N/A
TX	Pantex Plant (USDOE)	Amarillo		F	--	408	--	5000	N/A
PRIVATE SITES									
AR	Aerojet (Formerly Atlantic Research Corp.) ²	East Camden		N	--	640000	12500	Y	N/A
AZ	Aerodyne Corp.	Tempe		N	--	18	--	--	N/A
AZ	Apache Powder Co.	Benson		F	--	670	--	--	N/A

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AZ	Unidynamics/Phoenix Goodyear Airport	Goodyear		F	30	80	--	--	N/A
AZ	Universal Propulsion Co., Inc. ²	Phoenix		N	--	--	--	Y	N/A
AZ	White Tanks			N	--	--	--	Y	N/A
CA	Aerojet General Corp. - Rancho Cordova ²	Rancho Cord.		F	260	640000	--	--	N/A
CA	Alpha Explosives	Lincoln		N	--	67000	--	--	N/A
CA	Casmalia Resources	Casmalia		F	--	58	--	--	N/A
CA	Lockheed Propulsion Company (Former) ²	Redlands		N	87	--	--	--	N/A
CA	North Rialto Area (multiple responsible parties), City of	Rialto		N	811	--	--	--	N/A
CA	Olin Safety Flare	Morgan Hill		N	15	167	--	--	N/A
CA	San Fernando Valley	Glendale		F	--	13	--	--	N/A
CA	San Gabriel Valley			F	159	2180	--	--	N/A
CA	Stringfellow	Glen Avon		F	--	682000	--	--	N/A
CA	UTC	San Jose		N	--	180000	--	--	N/A
CA	Whittaker Bermite	S. Clarita, Saugus		N	47	--	--	--	N/A
CA	Whittaker Ordnance	Hollister		N	810	810	--	--	N/A
IA	Highway 218 (Hills Iowa) Perchlorate Site	Hills		N	66	338	--	--	N/A
IA	Unknown	Ewart		N	--	29	--	--	N/A
IA	Unknown	Napier		N	--	11	--	--	N/A
KS	Tri-County Airport (Former Herington Army Airfield) (FUDS)		N	P	--	9	--	--	N/A
MO	Expert Management Inc. (Formerly ICI Explosives USA Inc.)	Joplin		N	--	107000	--	--	N/A
NE	Nebraska Ordnance Plant ⁴		N	F	--	24	--	--	N/A
NE	Unknown	Lewiston		N	--	5	--	--	N/A
NE	Unknown	Mead		N	24	--	--	--	N/A
NM	Albuquerque South Valley	South Valley		N	5	--	--	--	N/A
NM	Des Moines	Des Moines		N	5	--	--	--	N/A
NV	Boeing/Rocketdyne	Near Reno		N	--	400	--	--	N/A
NV	Kerr-McGee Chemical	Henderson		N	24	3700000	120000	--	N/A
NV	PEPCON (Former)	Henderson		N	--	600000	--	--	N/A
NY	Suffolk County			N	26	122	--	--	N/A
NY	Suffolk County			N	16	3370	--	--	N/A
OR	Elf Atochem North America	Portland		N	--	1000	--	--	N/A
OR	Former Boardman Air Force Range (FUDS)	Boardman	N	N	--	23	14	--	N/A
UT	Bacchus Works, Alliant Techsystems, Inc. ²	Magna		N	16	16	--	--	N/A
UT	Thiokol ²	Thiokol		N	--	42	--	--	N/A

UCMR DETECTIONS (<http://www.epa.gov/ogwdw/data/ucmrgetdata.html>) Facility list is current as of 3/25/5

AL	Atmore Utility Board - UCMR	Escambia Cnty.							
AL	Daphne Utilities Board - UCMR	Baldwin Cnty.							
AL	Mobile County Water & Fire Pro Authority - UCMR	Mobile County							
AL	Montgomery Water Works - UCMR	Montgomery Cnty.							
AR	Cross County Rural Water System - UCMR	Cross County							
AR	Hot Springs Waterworks - UCMR	Garland County							
AZ	Brook Wtr LLC - Lakeside - UCMR	La Paz County							
AZ	Chaparral City Water Co - UCMR	Maricopa County							
AZ	City of Mesa - UCMR	Maricopa County							
AZ	Far West Water Co - UCMR								
AZ	Glendale Municipal Water CC - UCMR	Maricopa County							
AZ	Phoenix Municipal Water System - UCMR	Maricopa County							
AZ	Scottsdale Municipal Water - UCMR	Maricopa County							
AZ	Tucson Water Dept. Municip. - UCMR	Pima County							
AZ	Yuma-Municipal Water Dept. - UCMR	Yuma County							
CA	Azusa Light and Water - UCMR	Los Angeles C.							

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CA	California State Polytechnical University - Pomona -	Los Angeles C.							
CA	California Water Service - Stockton - UCMR	Santa Clara Cty.							
CA	California Water Service Co. - Dominguez - UCMR	Los Angeles C.							
CA	California Water Service Co. - Ela - UCMR	Los Angeles C.							
CA	Carmichael Water District - UCMR	Sacramento Cty.							
CA	City of Anaheim - UCMR	Orange County							
CA	City of Bakersfield - UCMR	Kern County							
CA	City of Brawley - UCMR	Imperial County							
CA	City of Chino - UCMR	San Bern. Cty.							
CA	City of Chino Hills - UCMR	Chino							
CA	City of Colton - UCMR	Colton							
CA	City of Corona - UCMR	Riverside Cty.							
CA	City of Escondido - UCMR	San Diego Cty							
CA	City of Garden Grove - UCMR	Orange County							
CA	City of Hemet - UCMR	Riverside Cty.							
CA	City of Loma Linda - UCMR	San Bern. Cty.							
CA	City of Ontario - UCMR	San Bern. Cty.							
CA	City of Pasadena Water Dept. - UCMR	Los Angeles C.							
CA	City of Patterson - UCMR	Stanislaus County							
CA	City of Rialto - UCMR	San Bern. Cty.							
CA	City of Riverside - UCMR	Riverside Cty.							
CA	City of San Bernardino - UCMR	San Bern. Cty.							
CA	City of Santa Ana - UCMR	Orange County							
CA	City of South Pasadena Water Dept. - UCMR	Los Angeles C.							
CA	City of Stockton - UCMR	San Joaquin Cty.							
CA	City of Tracy - UCMR	San Joaquin Cty.							
CA	City of Tustin - UCMR	Orange County							
CA	Coachella VWD: Cove Community - UCMR	Riverside Cty.							
CA	Cucamonga CWD - UCMR	San Bern. Cty.							
CA	CWSC Los Altos Suburban - UCMR	Santa Clara Cty.							
CA	CWSC Salinas - UCMR	Monterey County							
CA	Desert Water Agency - UCMR	Riverside Cty.							
CA	East Valley WD - UCMR	San Bern. Cty.							
CA	Eastern Municipal WD - UCMR	Riverside Cty.							
CA	Fort Irwin - UCMR								
CA	Great Oaks WC, Inc - UCMR	Santa Clara Cty.							
CA	Imperial Valley College - UCMR	Imperial County							
CA	Irvine Ranch Water District - UCMR	Orange County							
CA	Jurupa Community - UCMR	Riverside Cty.							
CA	Lincoln Avenue Water Co. - UCMR	Los Angeles C.							
CA	Metropolitan Water District of Souther California - UCMR	Los Angeles C.							
CA	Monte Vista CWD - UCMR	San Bern. Cty.							
CA	Pomona City Water Dept.	Pomona							
CA	Rancho California Water District - UCMR	Riverside Cty.							
CA	Redlands City Mud-Water Div - UCMR	San Bern. Cty.							
CA	Riverside Highland Water Co. - UCMR	San Bern. Cty.							
CA	Rubidoux Community SD - UCMR	Riverside Cty.							
CA	San Fernando City Water Dept. - UCMR	Los Angeles C.							
CA	San Gabriel CWD - UCMR	Los Angeles C.							
CA	San Gabriel Valley WC-Fontana - UCMR	Los Angeles C.							
CA	Santa Clarita Water Co. - UCMR	Los Angeles C.							
CA	South Pasadena City Water Dept. - UCMR	Los Angeles C.							
CA	Southern California WC - West Orange - UCMR	Los Angeles C.							

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CA	Southern California WC - Barstow - UCMR								
CA	Suburban Water Systems - San Jose - UCMR	Los Angeles C.							
CA	Trabuco Canyon Water District - UCMR								
CA	Vernon City Water Dept - UCMR	Los Angeles C.							
CA	West Valley Water District - UCMR	San Bern. Cty.							
FL	Atlantic Beach Water System - UCMR	Duval County							
FL	Kissimmee Eastern Regional - UCMR (4 PWS)	Osceola County							
FL	Manatee County Utilities Operations Dept. - UCMR								
FL	Royal Palm Beach Utilities - UCMR								
FL	Sebring Water & Sewer System - UCMR								
FL	Three Worlds Camp Resort - UCMR	Polk County							
GA	Fayette County - UCMR	Fayette County							
GA	Feagin Mill - UCMR	Houston County							
GA	Watkinsville - UCMR	Oconee County							
IL	Joliet - UCMR	Will County							
IL	Rock Island - UCMR	Rock Island County							
LA	St Charles Water Dist No. 1 - UCMR								
MA	Clinton Water Department - UCMR	Worcester County							
MD	Chapel Hill - UCMR	Harford County							
MD	City of Aberdeen - UCMR	Harford County							
MD	City of Hagerstown - UCMR	Washington Cty.							
MN	New Brighton - UCMR	Ramsey County							
MN	Northfield - UCMR	Rice County							
MP	Commonwealth Utilities Corp. (Saipan) - UCMR								
MS	Hilldale Water District - UCMR	Warren County							
NC	City of High Point - UCMR	Guilford County							
NC	City of Kingston - UCMR	Lenoir County							
NC	Cliffdale West - West - UCMR	Cumberland Cty.							
NC	New Hanover County Water System - UCMR	New Hanover							
NC	Vick's MHP - UCMR	Nash County							
NE	City of North Platte - UCMR	North Platte							
NJ	Hammonton Water Dept - UCMR	Atlantic County							
NJ	Middlesex W Co - UCMR	Middlesex County							
NJ	Montclair Water Bureau - UCMR	Essex County							
NJ	NJ American W Co Lakewood - UCMR	Ocean County							
NJ	Park Ridge Water Dept - UCMR	Bergen County							
NJ	Vineland Water & Sewer Utility - UCMR	Cumberland Cty.							
NM	Deming Municipal Water District - UCMR	Luna County							
NV	City of Henderson - UCMR	Clark County							
NV	Mohave Generating Station - UCMR	Clark County							
NV	Southern Nevada Water System - UCMR	Clark County							
NY	Bethpage WD - UCMR	Nassau County							
NY	Greenlawn WD - UCMR	Suffolk County							
NY	Hicksville WD - UCMR	Nassau County							
NY	Plainview WD - UCMR	Nassau County							
NY	South Huntington WD - UCMR	Suffolk County							
NY	Suffolk County Water Authority - UCMR	Suffolk County							
NY	WA of Western Nassau - UCMR	Nassau County							
NY	Westbury WD - UCMR	Nassau County							
NY	Garden City (v) - UCMR	Nassau County							
NY	Glen Cove City - UCMR	Nassau County							
NY	Town of Hempstead WD - UCMR	Nassau County							
OH	City of Berea - UCMR	Cuyahoga County							
OH	City of Fairfield - UCMR	Butler County							
OH	City of Loveland - UCMR	Clermont County							
OH	City of Painesville - UCMR	Lake County							

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OH	Defiance Water Treatment Plant - UCMR	Defiance County							
OH	Hecla Water Association-Plant PWS - UCMR	Lawrence County							
OH	Wright-Patterson AFB - UCMR	Greene County							
OH	City of Ravenna - UCMR	Portage County							
OK	Bxby Public Works Authority - UCMR								
OK	Enid #1- UCMR	Garfield County							
OK	Enid #2- UCMR	Garfield County							
OK	Moore - UCMR	Cleveland County							
OK	Edmond PWA - UCMR	Oklahoma County							
OK	Woodward - UCMR	Woodward County							
PA	Ambler Boro Water Dept. - UCMR	Montgomery Cnty.							
PA	Columbia Water Co. - UCMR	Lancaster Cty.							
PA	Erie City Water Authority - UCMR								
PA	Huntingdon Boro Water Dept. - UCMR	Huntingdon Cty.							
PA	Meadville Area Water Authority - UCMR	Crawford Cty.							
PA	Muhlenberg Twp Muni Auth - UCMR	Berks County							
PR	Utuaodo Urbano - UCMR	Utuaodo County							
SC	Cassatt Water Co #1 - UCMR								
SC	Darlington County W&SA - UCMR	Darlington County							
SC	Talatha W/D - UCMR	Aiken County							
TN	Crossville Water Dept. - UCMR								
TX	City of Kingsville - UCMR								
TX	City of Levelland	Levelland							
TX	City of Midland - UCMR								
TX	West Cedar Creek MUD - UCMR	Henderson County							
VA	Perdue Farms Inc. - UCMR	Accomack Cty.							
WA	City of Puyallup - UCMR	Pierce County							
WA	Figrove Mutual Inc. - UCMR	Pierce County							
WA	Lacey Water Dept. - UCMR	Thurston County							
WA	Lakewood Water District - UCMR	Pierce County							

Legend: BRAC = Base Realignment and Closure
 N (in BRAC Column) = Site is not BRAC Facility
 Y (in BRAC Column) = Site is a BRAC Facility
 NPL = National Priorities List
 N (in NPL Column) = Site is not on the NPL
 F (in NPL Column) = Site is on the Final NPL
 DW Conc = Drinking Water Concentration
 GW Conc = Groundwater Concentration
 SW Conc = Surface Water Concentration
 Soil Contam = Soil Contamination
 ppb = parts per billion
 Y (in Soil Contam Column) = Perchlorate has been detected in soil
 -- = denotes EPA is not aware that perchlorate has been detected in that particular medium at that specific facility
 [], { } = Data was obtained from DOD (see footnotes 3 & 6)
 N/A - Data is currently not available

State	Facility/Site Name	City/County	BRAC	NPL	Highest D W Conc (ppb)	Highest GW Conc (ppb)	Highest SW Conc (ppb)	Highest Soil Contam	Initial Detection Date
TEXAS TECH UNIVERSITY- WEST TEXAS STUDY									
TX	Andrews ⁵			N	9	--	--	--	N/A
TX	Dawson ⁵			N	59	--	--	--	N/A
TX	Ector ⁵			N	5	--	--	--	N/A
TX	Gaines ⁵			N	30	--	--	--	N/A
TX	Glascock ⁵			N	3	--	--	--	N/A
TX	Howard ⁵			N	26	--	--	--	N/A
TX	Levelland ³	Hockley County		N	32	--	--	--	N/A
TX	Martin ⁵			N	22	--	--	--	N/A
TX	Midland ⁵			N	46	--	--	--	N/A

* - EPA was not able to obtain detection for several facilities as is denoted by the "n/a." All of the detection data for these facilities were obtained from DOD responses to Congressional inquiries as is denoted by a "[]" (see footnote 3) and/or a "{ }" (see footnote 6) and as is detailed in the legend.

Footnote 1 - Source of contamination believed to have originated from adjacent Boeing Test Site at Rancho Cordova

2 = 1998 Department of Defense Information Request

3 = Data was obtained from DOD's *Perchlorate Sampling Since 2001* and *NPL Facilities Perchlorate Sampling* documents included in response to inquiries from Senators Boxer, Feinstein and Reid and Representatives Dingell and Solis as indicated by "[]"

4 = DOD detected perchlorate at McAlester in one sample at 0.6 ppb. However, this detection was a "J" value, meaning it was an unvalidated sample.

5 = TCEQ - Texas Commission on Environmental

6 = Data was obtained from DOD's *DoD Perchlorate Survey: Service Site Summaries - Environmental Restoration - Cleanup, Other* and *DoD Perchlorate Survey: Service Site Summaries - UCMR and Drinking Water* as indicated by "{ }"

Sources:

I. Region 9 Memo, May 1998; Kerr McGee's 104(e) Re/II. Texas Commission of Environmental Quality	VIII. Utah Department of Environmental Quality
II. American Pacific Non -CBI 104(e) response	IX. West Virginia Division of Environmental Protection
III. U.S. EPA Regions 1, 3, 4, 6, 7, 9, 10	X. Suffolk County, New York, Department of Health Services
IV. California Department of Health Services	XI. US Department of Energy
V. Arizona Department of Environmental Quality	XII. UCMR
VI. New Mexico Environmental Department	