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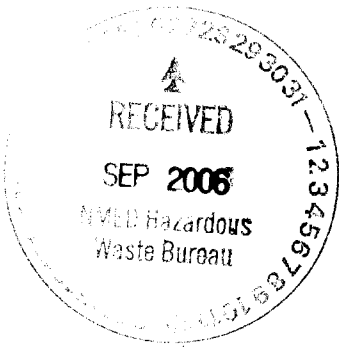
ENTERED

DEPARTMENT OF THE ARMY
HEADQUARTERS, U. S. ARMY GARRISON COMMAND
1733 PLEASONTON ROAD
FORT BLISS, TEXAS 79916-6812

25 September, 2006

TO: John E. Kieling, Manager
Permit Management Program NMED
State of New Mexico Environment
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303



RE: Submittal of Work Plan Addendum
Inactive McGregor Range Open Detonation Site
(SWMU No. 20, FTBL-015)
Fort Bliss, Otero County, New Mexico

Dear Mr. Kieling:

Please accept for review the attached Work Plan Addendum for the Inactive McGregor Range Open Detonation (IMROD) Site, Fort Bliss Solid Waste Management Unit (SWMU) No.20. This document amends the *Final Work Plan Part B Permit, Open Detonation (OD) Treatment Unit Investigation*, (Roy F. Weston, Inc., August 1995), and describes the technical approach for planned additional work at the site.

Additional work is being performed at SWMU No. 20 to address New Mexico Environment Department (NMED) comments, dated 24 November 2004, on the December 2002 Voluntary Corrective Action Report (VCAR), which summarized the results of several earlier rounds of RFI investigations at the site, including geophysical surveys and soil sampling. In a response letter dated in February 2005, Fort Bliss took exception to the additional investigation and debris removal activities suggested by NMED, indicating that the results of earlier investigations were sufficient to close the SWMU. Three phases of previous investigation at this site in suspected source areas had not identified any chemicals of concern above NMED Soil Screening Levels. However, in an effort to achieve timely closure of this site, and to secure available Army funding, Fort Bliss has decided to proceed with the work requested by NMED. The activities described in the work plan addendum represent Fort Bliss' understanding of NMED's expectations for additional work at SWMU No. 20, and are assumed to be adequate to achieve closure of the site.

Fort Bliss plans to initiate this work in as soon as possible because of a limited Army funding window and scheduling limitations. Please provide any comments on the attached Work Plan Addendum within 30 days. If NMED comments are not provided

before Fort Bliss mobilizes to perform this work, Fort Bliss will move ahead with this work as described in the work plan. Please do not hesitate to contact Ron Baca at (915)-568-7979 if you have any questions.

Sincerely,

Elza Cushing, Chief
Directorate of Environment

Weston Solutions, Inc.
Mira Vista Building, Suite 100
2705 Bee Caves Road
Austin, Texas 78746
512-651-7100 • Fax 512-651-7101

Ms. Jeanne Carroll
U.S. Army Corps of Engineers, Tulsa District
1645 South 101st East Avenue
Tulsa, OK 74128-4609

14 August 2006

RE: Draft Final Work Plan Addendum
Inactive McGregor Range Open Detonation Site (SWMU No. 20, FTBL-015)
Fort Bliss, New Mexico
Contract No. W912BV-04-D-2005, Task Order 019.

Dear Jeanne:

Weston Solutions, Inc. (WESTON) is providing this letter work plan addendum to describe the technical approach for additional sampling investigation activities at the Inactive McGregor Range Open Detonation (IMROD) Site, Fort Bliss Solid Waste management Unit (SWMU) No.20. This letter work plan addendum amends the *Final Work Plan Part B Permit, Open Detonation (OD) Treatment Unit Investigation*, Roy F. Weston, Inc., August 1995. Additional work is being performed to address New Mexico Environment Department (NMED) comments, dated 24 November 2004, on the December 2002 Voluntary Corrective Action Report (VCAR), which summarized the results of several earlier rounds of RFI investigations at the site, including geophysical surveys and soil sampling. The U.S. Army Corps of Engineers (USACE) has engaged WESTON to perform this work under Contract No. W912BV-04-D-2005, Task Order 019.

BACKGROUND

The Inactive McGregor Range Open Detonation (OD) site, Fort Bliss SWMU No. 20, is located approximately 0.5 miles north of the McGregor Range Camp, Fort Bliss, New Mexico. A site location map is provided as Figure 1. The SWMU, which occupies approximately 10 acres of desert terrain, was formerly used as an open detonation site and was believed to have been utilized from 1955 to 1965 for the detonation of explosives and rockets. SWMU No. 20 is estimated to have been inactive since 1965. Debris including nose cones, electronics boards, metal and plastic pieces, and expended small arms practice rounds are scattered across the ground.

Several phases of remedial investigation (RI) have been performed. Geophysical surveys have been performed at the site, and surface soil sampling has been performed at

suspected OD pits, geophysical anomalies, in kick out areas around the pits, on some mounds, and in an area reported to be a former trench. No chemicals have been reported at concentrations exceeding New Mexico Environmental Department (NMED) Soil Screening Levels (SSLs). PCBs were found at one location, a small mound, at a concentration of 1.04 mg/kg, slightly exceeding the U.S. Environmental Protection Agency Toxic Substance Control Act (TSCA) remediation goal (40 CFR 761.61a) of 1.0 for high occupancy (>7.6 hours per week access) properties, but below the 25.0 mg/kg level for low occupancy sites. A screening level ecological risk assessment (SLERA) also was performed and no significant risks were identified.

A Voluntary Corrective Action Report (VCAR) summarizing the results of RFI Investigations and SLERA was submitted in 2002. In November 2004, NMED provided comments on the 2002 VCAR. The NMED comments identified several data gaps and requested housekeeping activities at the site.

The status of the Fort Bliss IMROD site was discussed by Army, NMED, and WESTON representatives during the 11 January 2005 Installation Action Planning (IAP) Meeting at Fort Bliss. Fort Bliss indicated that previous sampling results did not indicate the presence of affected soil above NMED soil screening levels, nor risks to ecological receptors, but agreed to consider NMED's request to clean up scrap metal and conduct additional investigations to address potential data gaps. Fort Bliss has agreed to perform the following tasks to address NMED comments for the site:

1) Clean up the surficial debris at the property.
2) Prepare a work plan describing additional investigation activities to be performed.
3) Perform background soil sampling for metals analysis.
4) Perform additional soil sampling to more broadly characterize the site.
5) Perform a geophysical investigation of the reported trench area.
6) Revise the SLERA to include additional receptors and chemicals of concern.
7) Amend the VCAR to incorporate new results and address NMED comments.

OBJECTIVES

The objective of this letter work plan is to describe a brief technical approach for housekeeping, geophysical survey, and additional sampling activities at the IMROD site. A work plan for the background sampling was previously submitted to USACE.

TASKS TO BE PERFORMED

Scrap Metal Collection

NMED requested that Fort Bliss remove debris generated by historical site activities. Debris clean up will be performed as part of a site housekeeping effort. Debris, scrap metal, and other materials of significant size present at the ground surface will be

removed, as practicable, and to the extent allowed by the allocated budget, using manual means. Garden rakes will be used to consolidate surface debris for removal. Small debris passing through the rake, if present, will not be removed. Any debris captured by the rake will be collected and segregated into drums and roll-off boxes as necessary, such that recyclable materials may be separated from materials stockpiled for off-site disposal. WESTON will coordinate with USACE and Fort Bliss on any facility-specific disposal requirements.

Previous unexploded ordnance (UXO) surveys have not identified UXO at the OD site. However, due to the presence at the ground surface of metal debris, which could have interfered with previous clearance activities, an unexploded ordnance technician will be utilized to oversee housekeeping activities.

Background Soil Sampling

NMED requested that Fort Bliss evaluate ambient background concentrations of metals in surface soils to facilitate evaluation of metals concentrations reported from the OD unit. A brief background metals investigation report will be prepared and provided as part of the VCAR Addendum. The VCAR will be revised, if appropriate, to reflect the findings of the background study. A separate work plan for the background sampling tasks at McGregor and Dona Ana Ranges was prepared and submitted in December 2005. Reference should be made to that document for details regarding the background sampling task.

Additional Site Characterization Soil Sampling

NMED requested additional sampling to more broadly characterize the IMROD site. Several rounds of investigation at the IMROD site have been targeted near potential OD site features. To date, no chemicals have been reported above NMED soil screening levels. However, the IMROD site has been described as being approximately 10 acres in aerial extent and only the main pits, mounds, trenches and surrounding kick out areas have been characterized. The purpose of additional sampling is to more broadly characterize the 10-acre site (beyond the areas already sampled), on a grid pattern.

Twenty two surface soil samples, including 2 field duplicate samples, will be collected on a one half-acre grid pattern (approximately 150 ft x 150 ft grids) to obtain less location-biased data across the entire site. Proposed sample locations are provided in Figure 2. Not every grid illustrated in Figure 2 is to be sampled. Proposed sample locations are targeted to areas not previously investigated (i.e., features previously characterized will not be re-sampled). Final sample locations will be selected based on conditions observed in the field.

The soil samples will be collected as discrete surface (0 to 6 inches depth) samples. No composite samples will be collected. The samples will be collected using disposable

scoops or clean stainless steel trowels. Samples collected for volatiles analysis will be collected using a EPA Method 5035 sampling device. Samples collected for other analyses will be placed into a disposable aluminum pan or bowl, homogenized, and placed into clean sample containers provided by the laboratory. Care will be taken to remove obvious pieces of rock debris and organic matter (e.g., roots) from the samples. No field screening will be performed.

Soil samples will be submitted to an accredited laboratory (Kemron Analytical Labs, Marietta, Ohio) for the following analyses:

- Metals, using SW846 Method 6000 or 7000 series
- Explosives, using SW846 Method 8330
- Volatile organic compounds (VOCs), using SW846 Method 8260
- Semivolatile organic compounds (SVOCs), using SW846 Method 8270
- Polychlorinated biphenyls (PCBs), using SW846 Method 8280

NMED screening levels will be used to set maximum sample quantitation limits for the laboratory analyses. A listing of the default NMED Soil Screening Levels (SSLs) is provided in Attachment A.

One field duplicate sample will be collected for every 10 field samples. The analytical results obtained for these samples will be compared to allow an independent assessment of the precision of the reported laboratory results. These samples will be collected as split samples homogenized prior to splitting as described above. Extra QA duplicate aliquots will be collected, if requested by USACE, and provided to a third party QA laboratory.

Geophysical Investigation

NMED requested that a geophysical investigation be performed to investigate the potential for buried materials in the former trench. The geophysical survey in this area will consist of an initial Time-Domain Electromagnetic (TDEM) survey of the trench area. Anomalies identified during the TDEM survey will be further investigated using a Ground Penetrating Radar (GPR).

The TDEM survey will be performed using a Geonics, Ltd. EM61™ time domain metal detector, or equivalent equipment, to locate ferrous and non-ferrous metallic objects in the subsurface. The EM61 system consists of a transmitter that generates a pulsed primary electromagnetic field, which induces eddy currents in nearby metallic objects. Two receiver coils mounted on a wheel assembly measure the decay of these currents. The instrument responses are recorded and displayed by an integrated data logger as four channel data.

The EM61 uses a time-domain technique to discriminate between moderately conductive earth materials and very conductive metal targets. The instrument design allows for depth-to-target estimation and rejection of near surface target response and surface cultural features. Successful applications of the EM61 include locating USTs, buried drums, pipelines, utilities, metallic debris, and unexploded ordnance (UXO).

Prior to conducting the survey, the EM61 will be assembled in accordance with the instrument-operating manual. After assembly, the receiver responses will be "nulled" to a zero value at a background location on or near the site. EM61 readings will then be recorded as a response relative to background in units of millivolts (mV). The EM61 is sensitive enough to potentially detect a single 55-gallon drum at a depth of 3 meters beneath the instrument and is relatively insensitive to interference from nearby cultural features (i.e. fences, buildings).

The EM61 will interface with a digital global positioning system (DGPS) receiver for positioning to sub-meter accuracy. Measurements will be recorded continuously at approximately 0.5- to 1.0-ft. intervals as the operator traverses pre-determined traverse lines spaced approximately 3 to 5 ft. apart. These measurements will be digitally recorded and stored for processing and evaluation. Contour plots will be prepared from the field data using OASIS Montaj Contour Plotting software by Geosoft® or equivalent product.

A GPR survey will be performed where the EM61 survey identifies anomalies of interest. The GPR survey will be performed using a Geophysical Survey Systems, Inc. (GSSI) SIR 2000 GPR unit, or equivalent equipment. The SIR 2000 is a single-channel unit that automatically displays, processes, and records cross-sectional, variable color profiles of subsurface materials. The GPR data will be used to confirm and enhance the definition of the identified TDEM anomalies.

The GPR method uses high frequency radio waves to acquire relatively shallow subsurface information. Short pulses of electromagnetic energy are radiated downward into the subsurface from a transmitting antenna. A portion of the energy is then reflected back to a receiving antenna. where a control unit continuously processes variations in the reflected signal, and graphically displays them. The amplitude and frequency of the reflected signal are caused by variations in electrical properties of subsurface materials. These variations result from the varying dielectric constants of the subsurface material and may reflect changing lithology, moisture content, salinity, and structure, or by man-made objects such as utilities, USTs, and buried debris. The ability of the GPR system to resolve buried targets depends on the physical size and relative electrical contrast of an object/feature with respect to the surrounding materials. Consequently, not every subsurface feature can be identified using the GPR method. Also, because the GPR investigation is a non-intrusive surface electronic testing method, it is not possible to determine the identity of detected subsurface anomalies.

The results of electromagnetic and GPR surveys will be shown on figures and described in a brief Geophysical Report, which will be included as part of the VCAR Addendum. Based on the field interpretation of the geophysicist, and UXO technician, and with USACE concurrence, manual investigation of geophysical anomalies may be performed while in the field, if shallow subsurface anomalies are identified.

SLERA Revision

A Screening Level Ecological Risk Assessment (SLERA) was included as an appendix of the VCAR. In November 2004, NMED provided several comments on the SLERA. The SLERA will be revised to address NMED comments, and reflect the findings of additional site characterization and background sampling. A revised SLERA will be included with the VCAR addendum describing the results of the housekeeping and investigation tasks described above.

VCAR Revision

A Voluntary Corrective Action Report (VCAR) was submitted to NMED in 2002. This report summarized the results of three phases of remedial investigation at the site and provided the SLERA as an Appendix. The VCAR needs to be expanded upon to report the additional work that will be performed to address NMED comments. A VCAR Addendum will be prepared to summarize the results of the housekeeping and investigation tasks described above. The VCAR Addendum will include the revised SLERA. A draft VCAR Addendum will be submitted for Army review, comments will be addressed, and a final document provided to submittal to NMED.

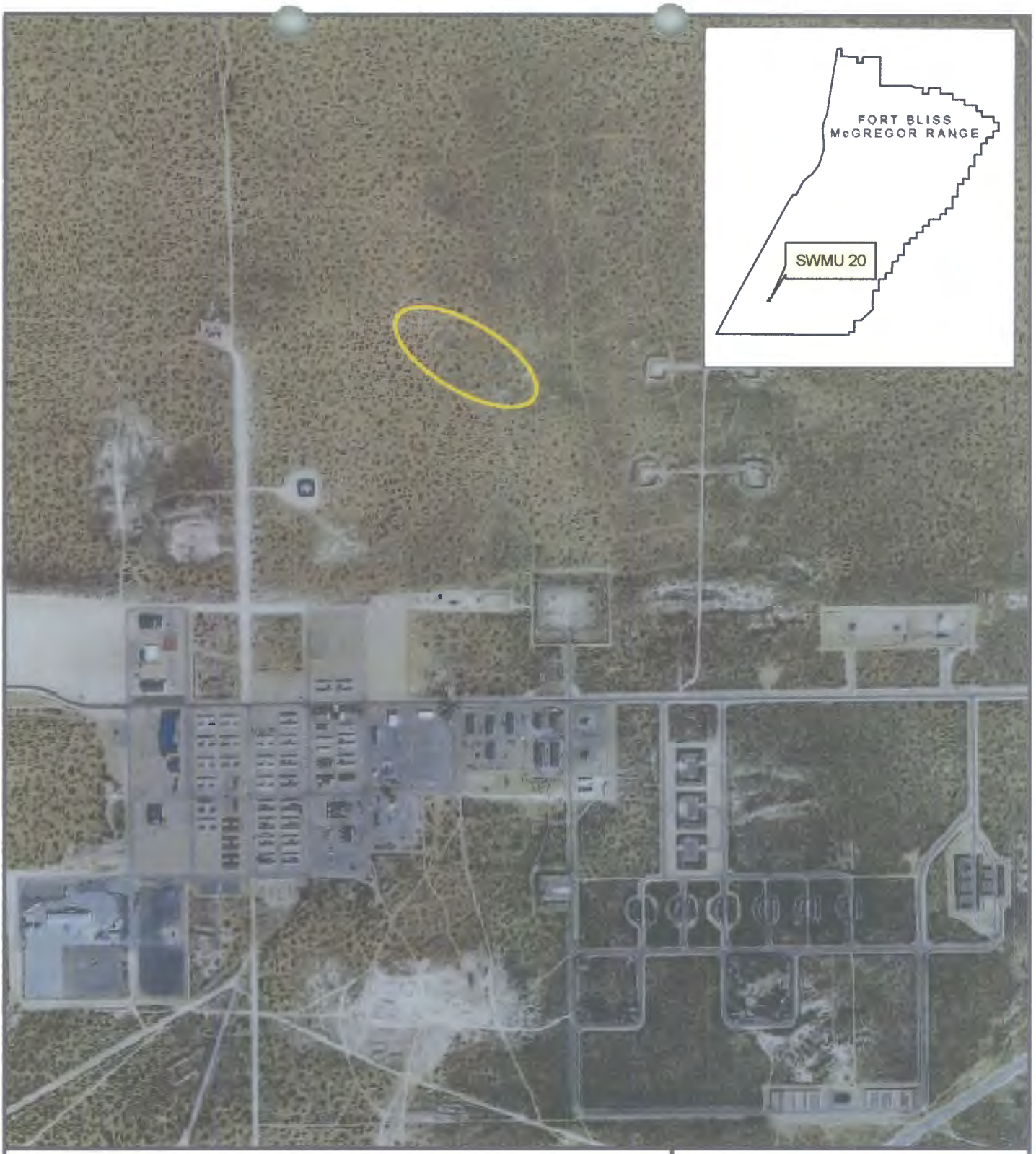
CLOSING

Thank you for the continued opportunity to assist the Corps and Fort Bliss with their environmental programs. Please feel free to call me at (512) 651-7104, or Russ Johnson at (512) 651-7115 if you have any questions.

Very truly yours,
WESTON SOLUTIONS, INC.

Russ K. Johnson
Senior Project Geologist

Stephen J. Mitchell
Senior Project Manager

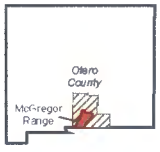


N

0 250 500 1,000
Feet

LEGEND

Approximate boundary of SWMU 20
Inactive - McGregor Range OD Area



SOURCE:
USGS DOQQ: Desert SW, SE and Desert SW, NW, NE - 1998

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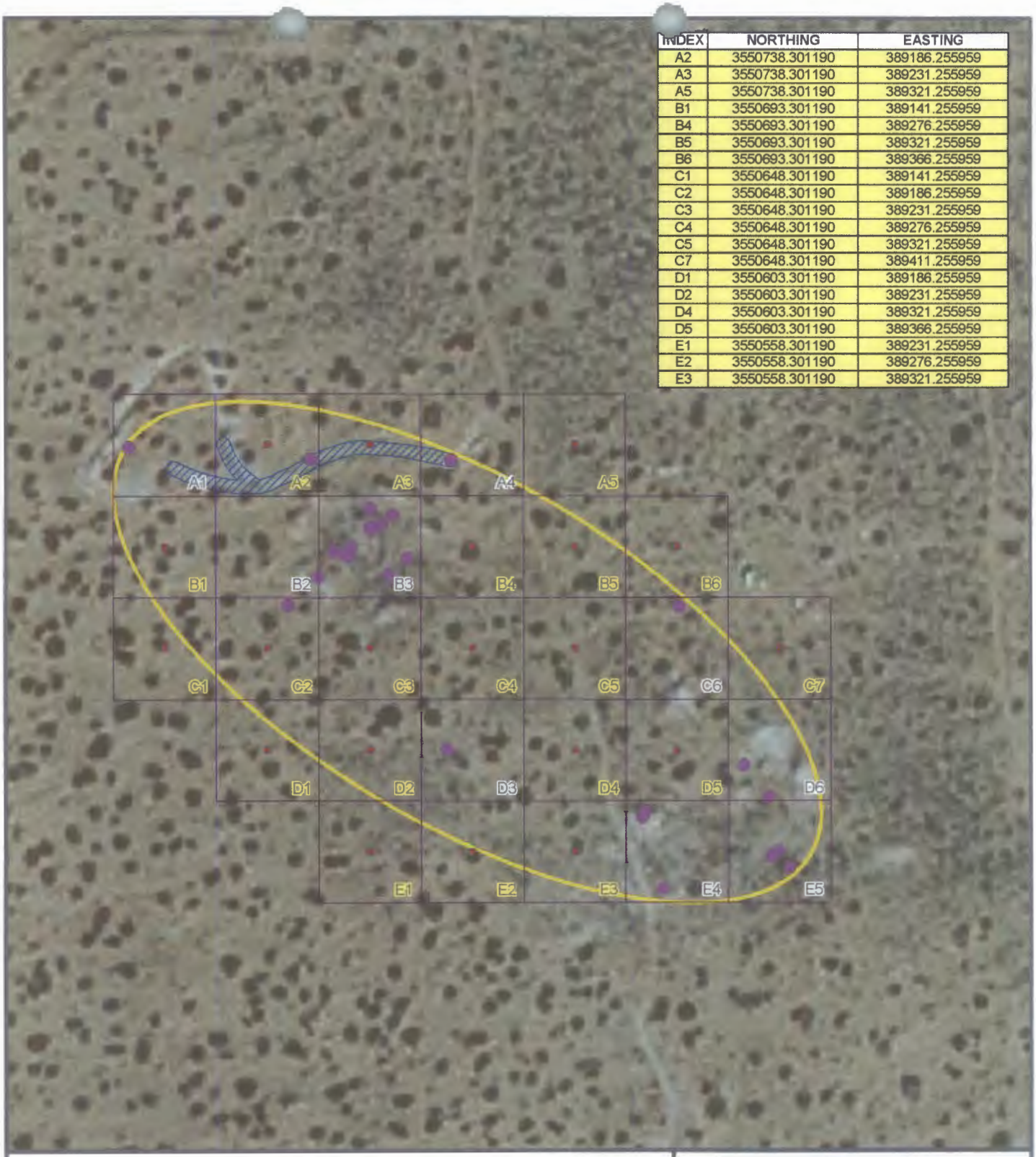
FIGURE 1
Site Location Map
US Army COE
Inactive McGregor Range OD
Fort Bliss, Otero County, New Mexico

DATE	PROJECT NO.	SCALE



INDEX	NORTHING	EASTING
A2	3550738.301190	389186.255959
A3	3550738.301190	389231.255959
A5	3550738.301190	389321.255959
B1	3550693.301190	389141.255959
B4	3550693.301190	389276.255959
B5	3550693.301190	389321.255959
B6	3550693.301190	389366.255959
C1	3550648.301190	389141.255959
C2	3550648.301190	389186.255959
C3	3550648.301190	389231.255959
C4	3550648.301190	389276.255959
C5	3550648.301190	389321.255959
C7	3550648.301190	389411.255959
D1	3550603.301190	389186.255959
D2	3550603.301190	389231.255959
D4	3550603.301190	389321.255959
D5	3550603.301190	389366.255959
E1	3550558.301190	389231.255959
E2	3550558.301190	389276.255959
E3	3550558.301190	389321.255959

N

0 50 100 200
Feet

LEGEND

- Previous Sample Location
- Proposed Grid Sample Location
- Approximate boundary of SWMU 20 Inactive - McGregor Range OD Area
- Trench Area
- Sample Grids (0.5-ac: approx.150 ft x 150 ft)

SOURCE:
USGS DOQQ: Desert SW, SE and Desert SW, NW, NE - 1998

WESTON SOLUTIONS

FIGURE 2
Proposed Sampling Locations
US Army COE
Inactive McGregor Range OD
Fort Bliss, Otero County, New Mexico

DATE | PROJECT NO | SCALE

ATTACHMENT A

NMED SOIL SCREENING LEVELS

Table A-1
NMED Soil Screening Levels

Chemical	Residential Soil (mg/kg)	End-point	Industrial/ Occupational Soil (mg/kg)	End-point	Construction Worker Soil (mg/kg)	End-point	VOC	Tap Water (ug/L)	End-point	DAF 1 (mg/kg)	DAF 20 (mg/kg)
Acenaphthene	3.19E+01	sat	3.19E+01	sat	3.19E+01	sat	x	3.65E+02	nc	2.75E+00	5.49E+01
Acetaldehyde	3.39E+01	nc	1.23E+02	nc	1.11E+02	nc	x	1.72E+01	ca		
Acetone	1.26E+04	nc	5.30E+04	nc	4.26E+04	nc	x	5.48E+03	nc	9.55E-01	1.91E+01
Acrylonitrile	1.81E+00	ca	4.70E+00	ca	2.10E+01	nc	x	3.81E-01	ca	6.68E-05	1.34E-03
Acetophenone	1.48E+03	sat	1.48E+03	sat	1.48E+03	sat	x	3.65E+03	nc	8.86E-01	1.77E+01
Acrolein	6.51E-02	nc	2.37E-01	nc	2.13E-01	nc	x	4.16E-02	nc	8.55E-06	1.71E-04
Aldrin	2.84E-01	ca	1.12E+00	ca	6.99E+00	nc		3.87E-02	ca	1.42E-01	2.84E+00
Aluminum	7.78E+04	nc	1.00E+05	max	1.44E+04	nc		3.65E+04	nc	5.48E+04	1.10E+06
Anthracene	1.93E+00	sat	1.93E+00	sat	1.93E+00	sat	x	1.83E+03	nc	8.11E+01	1.62E+03
Antimony	3.13E+01	nc	4.54E+02	nc	1.24E+02	nc		1.46E+01	nc	6.61E-01	1.32E+01
Arsenic	3.90E+00	ca	1.77E+01	ca	8.52E+01	nc		4.42E-01	ca	1.46E-02	2.92E-01
Barium	5.45E+03	nc	7.83E+04	nc	1.44E+03	nc		2.56E+03	nc	1.06E+02	2.11E+03
Benzene	3.32E+00	ca	8.08E+00	ca	5.83E+01	nc	x	3.49E+00	ca	1.01E-03	2.02E-02
Benzidine	2.11E-02	ca	8.33E-02	ca	7.09E-01	ca		2.89E-03	ca	1.24E-05	2.47E-04
Benzo(a)anthracene	6.21E+00	ca	2.34E+01	ca	2.12E+02	ca		9.09E-01	ca	5.43E-01	1.09E+01
Benzo(a)pyrene	6.21E-01	ca	2.34E+00	ca	2.12E+01	ca		9.09E-02	ca		2.78E+00
Benzo(b)fluoranthene	6.21E+00	ca	2.34E+01	ca	2.12E+02	ca		9.09E-01	ca	1.68E+00	3.35E+01
Benzo(k)fluoranthene	6.21E+01	ca	2.34E+02	ca	2.12E+03	ca		9.09E+00	ca	1.68E+01	3.35E+02
Beryllium	1.56E+02	nc	2.25E+03	nc	5.62E+01	nc		7.30E+01	nc	5.77E+01	1.15E+03
a-BHC	9.02E-01	ca	3.99E+00	ca	3.00E+01	ca		1.05E-01	ca	2.13E-04	4.25E-03
b-BHC	3.16E+00	ca	1.40E+01	ca	5.39E+01	nc		3.69E-01	ca	7.61E-04	1.52E-02
g-BHC	4.37E+00	ca	1.93E+01	ca	8.09E+01	nc		5.10E-01	ca	9.08E-04	1.82E-02
1,1-Biphenyl	8.91E+01	sat	8.91E+01	sat	8.91E+01	sat	x	3.04E+02	nc	3.61E+00	7.22E+01
Bis(2-chloroethyl) ether	1.05E+00	ca	2.76E+00	ca	5.09E+01	ca	x	9.65E-02	ca	1.90E-05	3.80E-04
Bis(2-chloroisopropyl) ether	4.53E+02	sat	4.53E+02	sat	4.53E+02	sat	x	2.43E+02	nc	6.48E-02	1.30E+00
Bis(2-ethylhexyl) phthalate	3.47E+02	ca	1.37E+03	ca	4.66E+03	nc		4.74E+01	ca	1.07E+03	2.15E+04
Bis(chloromethyl) ether	1.64E-03	ca	4.05E-03	ca	8.55E-02	ca	x	5.09E-04	ca	8.96E-08	1.79E-06
Boron	1.22E+04	nc	1.00E+05	max	2.69E+04	nc		7.30E+03	nc	2.40E+01	4.81E+02
Bromobenzene	1.14E+01	nc	4.16E+01	nc	3.72E+01	nc	x	2.06E+01	nc	1.07E-02	2.15E-01
Bromodichloromethane	4.36E+00	ca	1.07E+01	ca	2.29E+02	ca	x	1.78E+00	ca	4.70E-04	9.41E-03
Bromomethane	2.73E+00	nc	1.01E+01	nc	8.95E+00	nc	x	8.66E+00	nc	1.88E-03	3.77E-02
1,3-Butadiene	3.04E-01	ca	7.27E-01	ca	1.40E+00	nc	x	1.26E+00	ca		

Chemical	Residential Soil (mg/kg)	End-point	Industrial/ Occupational Soil (mg/kg)	End-point	Construction Worker Soil (mg/kg)	End-point	VOC	Tap Water (ug/L)	End-point	DAF 1 (mg/kg)	DAF 20 (mg/kg)
2-Butanone (MEK)	4.86E-03	sat	4.86E-03	sat	4.86E-03	sat	x	7.06E+03	nc	1.27E+00	2.54E+01
tert-Butyl methyl ether (MTBE)	6.67E-03	sat	6.67E-03	sat	6.67E-03	sat	x	6.26E+03	nc		
n-Butylbenzene	6.21E+01	sat	6.21E+01	sat	6.21E+01	sat	x	2.43E+02	nc	1.08E+00	2.16E+01
sec-Butylbenzene	6.06E+01	sat	6.06E+01	sat	6.06E+01	sat	x	2.43E+02	nc	8.68E-01	1.74E+01
tert-Butylbenzene	1.06E+02	sat	1.06E+02	sat	1.06E+02	sat	x	2.43E+02	nc	8.60E-01	1.72E+01
Cadmium	3.90E+01	nc	5.64E+02	nc	1.54E+02	nc		1.83E+01		1.37E+00	2.75E+01
Carbon disulfide	1.97E+02	nc	4.60E+02	sat	4.60E+02	sat	x	1.04E+03	nc	4.03E-01	8.06E+00
Carbon tetrachloride	9.65E-01	nc	2.69E+00	ca	3.16E+00	nc	x	1.69E+00	ca	9.88E-04	1.98E-02
Chlordane	1.62E+01	ca	7.19E+01	ca	1.30E+02	nc		1.90E+00	ca	3.42E-01	6.83E+00
2-Chloroacetophenone	1.35E-02	nc	4.97E-02	nc	4.42E-02	nc	x	5.22E-02	nc	4.43E-05	8.85E-04
2-Chloro-1,3-butadiene	1.93E+00	nc	7.00E+00	nc	6.29E+00	nc	x	1.43E+01	nc	5.79E-03	1.16E-01
1-Chloro-1,1-difluoroethane	2.11E+02	sat	2.11E+02	sat	2.11E+02	sat	x	8.66E+04	nc	6.52E+01	1.30E+03
Chlorobenzene	6.44E+01	nc	2.41E+02	nc	2.12E+02	nc	x	1.06E+02	nc	5.51E-02	1.10E+00
1-Chlorobutane	2.99E+02	sat	2.99E+02	sat	2.99E+02	sat	x	2.43E+03	nc	9.84E-01	1.97E+01
Chlorodifluoromethane	2.11E+02	sat	2.11E+02	sat	2.11E+02	sat	x	9.75E+04	nc	7.33E+01	1.47E+03
Chloroethane	1.96E+01	ca	4.71E+01	ca	1.05E+03	ca	x	3.81E+01	ca	9.53E-03	1.91E-01
Chloroform	1.21E+00	ca	2.90E+00	ca	6.53E+01	ca	x	1.65E+00	ca	4.14E-04	8.28E-03
Chloromethane	6.83E+00	ca	1.65E+01	ca	8.63E+01	nc	x	1.49E+01	ca	5.12E-03	1.02E-01
b-Chloronaphthalene	3.09E+01	sat	3.09E+01	sat	3.09E+01	sat	x	4.87E+02	nc	1.25E+00	2.51E+01
o-Chloronitrobenzene	6.72E-01	nc	2.46E+00	nc	2.20E+00	nc	x	1.45E-01	nc	3.94E-05	7.88E-04
p-Chloronitrobenzene	5.37E+00	nc	2.05E+01	nc	1.78E+01	nc	x	1.20E+00	nc	3.25E-04	6.50E-03
2-Chlorophenol	7.25E+01	nc	3.06E+02	nc	2.45E+02	nc	x	3.04E+01	nc	2.36E-02	4.72E-01
2-Chloropropane	9.39E+01	nc	3.52E+02	nc	3.09E+02	nc	x	1.76E+02	nc	4.61E-02	9.21E-01
o-Chlorotoluene	7.15E+01	nc	2.02E+02	sat	2.02E+02	sat	x	1.22E+02	nc	5.23E-02	1.05E+00
Chromium III	1.00E+05	max	1.00E+05	max	1.00E+05	max		5.48E+04	nc	9.86E+07	1.97E+09
Chromium VI	2.34E+02	nc	3.40E+03	nc	2.61E+01	ca		1.10E+02	nc	2.10E+00	4.20E+01
Chrysene	9.55E-01	sat	9.55E-01	sat	9.55E-01	sat	x	2.91E+01	ca	1.74E+01	3.48E+02
Cobalt	1.52E+03	nc	2.05E+04	nc	6.10E+01	nc		7.30E+02	nc	3.31E+01	6.61E+02
Copper	3.13E+03	nc	4.54E+04	nc	1.24E+04	nc		1.46E+03	nc	5.15E+01	1.03E+03
Crotonaldehyde	3.37E+00	ca	1.67E+01	ca	5.27E+01	sat	x	3.49E-01	ca	9.20E-04	1.84E-02
Cumene (isopropylbenzene)	3.41E+01	sat	3.41E+01	sat	3.41E+01	sat	x	6.78E+02	nc	3.79E-01	7.59E+00
Cyanide	1.56E+03	nc	2.27E+04	nc	6.19E+03	nc		7.30E+02	nc	7.35E+00	1.47E+02
Cyanogen	7.68E+01	nc	2.84E+02	nc	2.52E+02	nc	x	2.43E+02	nc	5.78E-02	1.16E+00

Chemical	Residential Soil (mg/kg)	End-point	Industrial/ Occupational Soil (mg/kg)	End-point	Construction Worker Soil (mg/kg)	End-point	VOC	Tap Water (ug/L)	End-point	DAF 1 (mg/kg)	DAF 20 (mg/kg)
Cyanogen bromide	1.73E+02	nc	6.39E+02	nc	5.67E+02	nc	x	5.48E+02	nc	1.30E-01	2.60E+00
Cyanogen chloride	9.60E+01	nc	3.55E+02	nc	3.15E+02	nc	x	3.04E+02	nc	7.22E-02	1.44E+00
DDD	2.44E+01	ca	1.11E+02	ca	8.07E+02	ca		2.77E+00	ca	4.15E+00	8.30E+01
DDE	1.72E+01	ca	7.81E+01	ca	5.70E+02	ca		1.95E+00	ca	1.31E+01	2.62E+02
DDT	1.72E+01	ca	7.81E+01	ca	1.38E+02	nc		1.95E+00	ca	7.70E+00	1.54E+02
Dibenz(a,h)anthracene	6.21E-01	ca	2.34E+00	ca	2.12E+01	ca		9.09E-02	ca	5.18E-01	1.04E+01
Dibenzofuran	3.66E+01	sat	3.66E+01	sat	3.66E+01	sat	x	1.22E+01	nc	1.44E-01	2.87E+00
1,2-Dibromo-3-chloropropane	1.03E+00	nc	4.52E+00	nc	3.51E+00	nc	x	3.47E-01	nc	7.49E-05	1.50E-03
Dibromochloromethane	4.42E+00	ca	1.09E+01	ca	2.30E+02	ca	x	1.32E+00	ca	1.16E-03	2.32E-02
1,2-Dibromoethane	1.82E-01	ca	4.49E-01	ca	9.49E+00	ca	x	5.53E-02	ca	1.33E-05	2.66E-04
1,4-Dichloro-2-butene	4.29E-02	ca	1.06E-01	ca	2.23E+00	ca	x	1.19E-02	ca	2.93E-06	5.87E-05
1,2-Dichlorobenzene	4.30E+01	sat	4.30E+01	sat	4.30E+01	sat	x	3.70E+02	nc	1.02E-01	2.04E+00
1,3-Dichlorobenzene	1.74E+02	sat	1.74E+02	sat	1.74E+02	sat	x	1.83E+02	nc	2.03E-01	4.06E+00
1,4-Dichlorobenzene	1.33E+01	ca	3.28E+01	ca	8.19E+01	sat	x	4.95E+00	ca	5.49E-03	1.10E-01
3,3-Dichlorobenzidine	1.08E+01	ca	4.26E+01	ca	3.63E+02	ca		1.47E+00	ca	1.86E-03	3.71E-02
Dichlorodifluoromethane	4.95E+01	nc	1.80E+02	nc	1.62E+02	nc	x	3.95E+02	nc	2.97E-01	5.94E+00
1,1-Dichloroethane	3.00E+02	nc	1.12E+03	nc	9.88E+02	nc	x	8.11E+02	nc	2.01E-01	4.03E+00
1,2-Dichloroethane	1.82E+00	ca	4.42E+00	ca	1.83E+01	nc	x	1.22E+00	ca	2.48E-04	4.97E-03
cis-1,2-Dichloroethene	2.49E+01	nc	9.24E+01	nc	8.17E+01	nc	x	6.08E+01	nc	1.50E-02	3.00E-01
trans-1,2-Dichloroethene	3.71E+01	nc	1.37E+02	nc	1.22E+02	nc	x	1.22E+02	nc	3.63E-02	7.26E-01
1,1-Dichloroethene	6.41E+01	nc	2.36E+02	nc	2.10E+02	nc	x	3.39E+02	nc	1.33E-01	2.67E+00
2,4-Dichlorophenol	1.83E+02	nc	2.05E+03	nc	6.99E+02	nc		1.10E+02	nc	4.31E-02	8.63E-01
1,2-Dichloropropane	1.90E+00	ca	4.60E+00	ca	1.08E+01	nc	x	1.63E+00	ca	4.11E-04	8.22E-03
1,3-Dichloropropene	4.36E+00	ca	1.08E+01	ca	2.87E+01	nc	x	3.90E+00	ca	1.28E-03	2.57E-02
Dicyclopentadiene	1.98E-01	nc	7.19E-01	nc	6.47E-01	nc	x	4.17E-01	nc	4.50E-04	9.01E-03
Dieldrin	3.04E-01	ca	1.20E+00	ca	1.02E+01	ca		4.15E-02	ca	1.34E-03	2.68E-02
Diethyl phthalate	4.89E+04	nc	1.00E+05	max	1.00E+05	max		2.92E+04	nc	1.77E+01	3.54E+02
Dimethyl phthalate	1.00E+05	max	1.00E+05	max	1.00E+05	max		3.65E+05	nc	8.36E+01	1.67E+03
Di-n-butyl phthalate	6.11E+03	nc	6.84E+04	nc	2.33E+04	nc		3.65E+03	nc	1.86E+02	3.72E+03
2,4-Dimethylphenol	1.22E+03	nc	1.37E+04	nc	4.66E+03	nc		7.30E+02	nc	3.55E-01	7.11E+00
2,4-Dimethylphenol	6.11E+00	nc	6.84E+01	nc	2.33E+01	nc		3.65E+00	nc	3.93E-03	7.85E-02
4,6-Dinitro-o-cresol	1.22E+02	nc	1.37E+03	nc	4.66E+02	nc		7.30E+01	nc	5.25E-02	1.05E+00

Chemical	Residential Soil (mg/kg)	End-point	Industrial/ Occupational Soil (mg/kg)	End-point	Construction Worker Soil (mg/kg)	End-point	VOC	Tap Water (ug/L)	End-point	DAF 1 (mg/kg)	DAF 20 (mg/kg)
2,4-Dinitrotoluene	1.22E+02	nc	1.37E+03	nc	4.66E+02	nc		7.30E+01	nc	2.31E-02	4.62E-01
1,2-Diphenylhydrazine	6.08E+00	ca	2.39E+01	ca	2.04E+02	ca		8.30E-01	ca	4.48E-03	8.95E-02
Endosulfan	3.67E+02	nc	4.10E+03	nc	1.40E+03	nc		2.19E+02	nc	7.41E-01	1.48E+01
Endrin	1.83E+01	nc	2.05E+02	nc	6.99E+01	nc		1.10E+01	nc	2.04E-01	4.08E+00
Epichlorohydrin	6.13E+00	nc	2.29E+01	nc	2.02E+01	nc	x	2.03E+00	nc	3.62E-04	7.25E-03
Ethyl acetate	1.09E+04	nc	2.10E+04	sat	2.10E+04	sat	x	5.48E+03	nc	1.44E+00	2.87E+01
Ethyl acrylate	8.61E-01	ca	2.07E+00	ca	4.62E+01	ca	x	2.30E+00	ca	6.01E-03	1.20E-01
Ethyl chloride	1.96E+01	ca	4.71E+01	ca	1.05E+03	ca	x	3.81E+01	ca	9.53E-03	1.91E-01
Ethyl ether	1.94E+03	sat	1.94E+03	sat	1.94E+03	sat	x	1.22E+03	nc	2.37E-01	4.73E+00
Ethyl methacrylate	5.27E+01	sat	5.27E+01	sat	5.27E+01	sat	x	5.48E+02	nc	1.44E+00	2.88E+01
Ethylbenzene	1.28E+02	sat	1.28E+02	sat	1.28E+02	sat	x	1.34E+03	nc	1.01E+00	2.03E+01
Ethylene oxide	1.18E+00	ca	3.13E+00	ca	5.74E+01	ca	x	2.41E-01	ca	4.27E-05	8.54E-04
Fluoranthene	2.29E+03	nc	2.44E+04	nc	8.73E+03	nc		1.46E+03	nc	2.35E+02	4.69E+03
Fluorene	3.97E+01	sat	3.97E+01	sat	3.97E+01	sat	x	2.43E+02	nc	5.08E+00	1.02E+02
Fluoride	4.68E+03	nc	6.77E+04	nc	1.85E+04	nc		2.19E+03	nc	3.29E+02	6.58E+03
Furan	1.76E+00	nc	6.51E+00	nc	5.78E+00	nc	x	6.08E+00	nc	1.32E-03	2.65E-02
Heptachlor	1.08E+00	ca	4.26E+00	ca	3.63E+01	ca		1.47E-01	ca	3.12E-01	6.24E+00
Hexachlorobenzene	3.04E+00	ca	1.20E+01	ca	1.02E+02	ca		4.15E-01	ca	3.43E-02	6.86E-01
Hexachloro-1,3-butadiene	1.22E+01	nc	1.37E+02	nc	4.66E+01	nc		7.30E+00	nc	5.90E-01	1.18E+01
Hexachlorocyclopentadiene	3.66E+02	nc	4.10E+03	nc	4.31E+02	nc		2.19E+02	nc	6.58E+01	1.32E+03
Hexachloroethane	6.11E+01	nc	6.84E+02	nc	2.33E+02	nc		3.65E+01	nc	1.04E-01	2.09E+00
n-Hexane	3.80E+01	sat	3.80E+01	sat	3.80E+01	sat	x	4.16E+02	nc	8.78E-01	1.76E+01
HMX	3.06E+03	nc	3.42E+04	nc	1.17E+04	nc		1.83E+03	nc	5.39E+00	1.08E+02
Hydrogen cyanide	7.05E+00	nc	2.57E+01	nc	2.30E+01	nc	x	6.20E+00	nc	1.24E-03	2.47E-02
Indeno(1,2,3-c,d)pyrene	6.21E+00	ca	2.34E+01	ca	2.12E+02	ca		9.09E-01	ca	4.73E+00	9.46E+01
Iron	2.35E+04	nc	1.00E+05	max	9.29E+04	nc		1.10E+04	nc	2.77E+02	5.54E+03
Isobutanol	8.44E+03	nc	2.26E+04	sat	2.26E+04	sat	x	1.83E+03	nc	4.86E-01	9.72E+00
Isophorone	5.12E+03	ca	2.02E+04	ca	4.66E+04	nc		6.99E+02	ca	1.70E-01	3.40E+00
Lead	4.00E+02	IEUBK	8.00E+02	IEUBK	8.00E+02	IEUBK					
Lead (tetraethyl-)	6.11E-03	nc	6.84E-02	nc	2.38E-02	nc		3.65E-03	nc	6.33E-07	1.27E-05
Maleic hydrazide	9.30E+02	nc	1.61E+03	sat	1.61E+03	sat	x	3.04E+03	nc	8.17E-01	1.63E+01
Manganese	1.02E+04	nc	1.00E+05	max	1.51E+02	nc		5.11E+03	nc	3.34E+02	6.67E+03

Chemical	Residential Soil (mg/kg)	End-point	Industrial/ Occupational Soil (mg/kg)	End-point	Construction Worker Soil (mg/kg)	End-point	VOC	Tap Water (ug/L)	End-point	DAF 1 (mg/kg)	DAF 20 (mg/kg)
Mercury (elemental)	1.00E+05	max	1.00E+05	max	9.27E+02	nc			ca	1.05E-01	2.09E-03
Mercury (methyl)	6.11E+00	nc	6.84E+01	nc	2.38E+01	nc		3.65E+00	nc	8.37E-04	1.67E-02
Methacrylonitrile	1.83E+00	nc	8.08E+00	nc	6.25E+00	nc	x	1.04E+00	nc	1.83E-04	3.65E-03
Methomyl	2.65E+01	nc	9.72E+01	nc	8.68E+01	nc	x	1.52E+02	nc	5.90E-02	1.18E+00
Methyl acetate	1.94E+04	nc	8.64E+04	nc	6.62E+04	nc	x	6.08E+03	nc	1.08E+00	2.15E+01
Methyl acrylate	2.91E+01	nc	1.06E+02	nc	9.51E+01	nc	x	1.83E+02	nc	4.76E-01	9.52E+00
Methyl isobutyl ketone	4.36E+03	nc	7.01E+03	sat	7.01E+03	sat	x	1.99E+03	nc	7.35E-01	1.47E+01
Methyl methacrylate	1.52E+03	nc	2.92E+03	sat	2.92E+03	sat	x	1.42E+03	nc	2.76E-01	5.52E+00
Methyl styrene (alpha)	2.17E+02	sat	2.17E+02	sat	2.17E+02	sat	x	4.26E+02	nc	3.09E-01	6.17E+00
Methyl styrene (mixture)	5.30E+01	nc	2.10E+02	nc	1.77E+02	nc	x	5.48E+01	nc	3.97E-02	7.93E-01
Methylcyclohexane	7.89E+01	sat	7.89E+01	sat	7.89E+01	sat	x	5.23E+03	nc	2.95E+01	5.89E+02
Methylene bromide	4.22E+01	nc	1.60E+02	nc	1.39E+02	nc	x	6.08E+01	nc	1.31E-02	2.62E-01
Methylene chloride	6.47E+01	ca	1.61E+02	ca	2.63E+03	sat	x	4.22E+01	ca	8.53E-03	1.71E-01
Molybdenum	3.91E+02	nc	5.68E+03	nc	1.55E+03	nc		1.83E+02	nc	3.70E+00	7.41E+01
Naphthalene	2.52E+01	nc	9.25E+01	nc	8.25E+01	nc	x	6.20E+00	nc	1.97E-02	3.94E-01
Nickel	1.56E+03	nc	2.25E+04	nc	5.61E+02	nc		7.30E+02	nc	4.77E+01	9.53E+02
Nitrate	1.00E+05	max	1.00E+05	max	1.00E+05	max		5.84E+04	nc	1.71E+01	3.43E+02
Nitrite	7.82E+03	nc	1.00E+05	max	3.10E+04	nc		3.65E+03	nc	7.63E-01	1.53E+01
Nitrobenzene	1.29E+01	nc	6.24E+01	nc	4.48E+01	nc	x	3.40E+00	nc	9.18E-04	1.84E-02
Nitroglycerin	3.47E+02	ca	1.37E+03	ca	1.17E+04	ca		4.74E+01	ca	2.81E-02	5.63E-01
N-Nitrosodiethylamine	3.24E-02	ca	1.28E-01	ca	1.09E+00	ca		4.42E-03	ca	8.73E-06	1.75E-04
N-Nitrosodimethylamine	9.54E-02	ca	3.76E-01	ca	1.86E+00	nc		1.30E-02	ca	1.22E-05	2.44E-04
N-Nitrosodi-n-butylamine	1.99E-01	ca	5.23E-01	ca	9.53E+00	ca	x	1.99E-02	ca	5.27E-05	1.05E-03
N-Nitrosodiphenylamine	7.40E+01	sat	7.40E+01	sat	7.40E+01	sat		1.35E+02	ca	2.86E-01	5.71E+00
N-Nitrosopyrrolidine	2.32E+00	ca	9.12E+00	ca	7.77E+01	ca		3.16E-01	ca	1.30E-04	2.60E-03
m-Nitrotoluene	4.73E+02	nc	5.69E+02	sat	5.69E+02	sat	x	1.22E+02	nc	3.30E-02	6.59E-01
o-Nitrotoluene	5.11E+00	ca	1.35E+01	ca	2.48E+02	ca	x	4.81E-01	ca	1.30E-04	2.61E-03
p-Nitrotoluene	6.91E+01	ca	1.83E+02	ca	5.69E+02	sat	x	6.51E+00	ca	1.76E-03	3.53E-02
Pentachlorobenzene	4.89E+01	nc	5.47E+02	nc	1.86E+02	nc		2.92E+01	nc	9.38E-02	1.88E+00
Pentachlorophenol	2.98E+01	ca	1.00E+02	ca	1.02E+03	ca		5.53E+00	ca	5.87E-03	1.17E-01
Phenanthrene	1.83E+03	nc	2.05E+04	nc	6.99E+03	nc		1.10E+03	nc	2.32E+01	4.64E+02
Phenol	1.83E+04	nc	1.00E+05	max	6.99E+04	nc		1.10E+04	nc	2.37E+00	4.74E+01

Chemical	Residential Soil (mg/kg)	End-point	Industrial/ Occupational Soil (mg/kg)	End-point	Construction Worker Soil (mg/kg)	End-point	VOC	Tap Water (ug/L)	End-point	DAF 1 (mg/kg)	DAF 20 (mg/kg)
Polychlorinatedbiphenyls											
Aroclor 1016	3.93E+00	nc	4.13E+01	nc	1.50E+01	nc		2.56E+00	nc	1.73E-01	3.45E+00
Aroclor 1221	1.12E+00	nc	8.26E+00	ca	4.28E+00	nc		3.32E-01	ca	2.24E-02	4.47E-01
Aroclor 1232	1.12E+00	nc	8.26E+00	ca	4.28E+00	nc		3.32E-01	ca	2.24E-02	4.47E-01
Aroclor 1242	1.12E+00	nc	8.26E+00	ca	4.28E+00	nc		3.32E-01	ca	2.24E-02	4.47E-01
Aroclor 1248	1.12E+00	nc	8.26E+00	ca	4.28E+00	nc		3.32E-01	ca	2.64E-01	5.28E+00
Aroclor 1254	1.12E+00	nc	8.26E+00	ca	4.28E+00	nc		3.32E-01	ca	2.64E-01	5.28E+00
Aroclor 1260	1.12E+00	nc	8.26E+00	ca	4.28E+00	nc		3.32E-01	ca	2.64E-01	5.28E+00
n-Propylbenzene	6.21E+01	sat	6.21E+01	sat	6.21E+01	sat	x	2.43E+02	nc	1.08E+00	2.16E+01
Propylene oxide	1.63E+01	ca	5.71E+01	ca	3.16E+02	nc	x	2.18E+00	ca	4.60E-04	9.20E-03
Pyrene	2.13E+01	sat	2.13E+01	sat	2.13E+01	sat	x	1.83E+02	nc	2.88E+01	5.76E+02
RDX	4.42E+01	ca	1.74E+02	ca	6.99E+02	nc		6.03E+00	ca	1.68E-03	3.36E-02
Selenium	3.91E+02	nc	5.68E+03	nc	1.55E+03	nc		1.83E+02	nc	9.53E-01	1.91E+01
Silver	3.91E+02	nc	5.68E+03	nc	1.55E+03	nc		1.83E+02	nc	1.57E+00	3.14E+01
Strontium	4.69E+04	nc	1.00E+05	max	1.00E+05	max		2.19E+04	nc	7.73E+02	1.55E+04
Styrene	4.21E+02	sat	4.21E+02	sat	4.21E+02	sat	x	1.62E+03	nc	2.20E+00	4.40E+01
1,2,4,5-Tetrachlorobenzene	1.83E+01	nc	2.05E+02	nc	6.99E+01	nc		1.10E+01	nc	2.14E-02	4.29E-01
1,1,1,2-Tetrachloroethane	1.56E+01	ca	3.86E+01	ca	8.09E+02	ca	x	4.27E+00	ca	1.34E-03	2.68E-02
1,1,2,2-Tetrachloroethane	2.00E+00	ca	4.94E+00	ca	1.04E+02	ca	x	5.46E-01	ca	1.72E-04	3.44E-03
Tetrachloroethene	3.52E+00	ca	8.56E+00	ca	9.93E+01	sat	x	4.32E+00	ca	2.15E-03	4.29E-02
Thallium	5.16E+00	nc	7.49E+01	nc	2.04E+01	nc		2.41E+00	nc	1.72E-01	3.43E+00
Toluene	2.52E+02	sat	2.52E+02	sat	2.52E+02	sat	x	7.23E+02	nc	3.47E-01	6.93E+00
Toxaphene	4.42E+00	ca	1.74E+01	ca	1.48E+02	ca		6.03E-01	ca	2.33E-01	4.65E+00
Tribromomethane	4.11E+02	ca	1.34E+03	ca	2.75E+03	nc		2.44E+01	ca	1.73E-01	3.47E+00
1,1,2-Trichloro-1,2,2-trifluoroethane	3.28E+03	sat	3.28E+03	sat	3.28E+03	sat	x	5.92E+04	nc	1.76E+02	3.53E+03
1,2,4-Trichlorobenzene	2.25E+01	nc	8.34E+01	nc	7.38E+01	nc	x	7.16E+00	nc	2.04E-02	4.08E-01
1,1,1-Trichloroethane	5.63E+02	sat	5.63E+02	sat	5.63E+02	sat	x	3.17E+03	nc	1.34E+00	2.68E+01
1,1,2-Trichloroethane	3.90E+00	ca	9.52E+00	ca	6.60E+01	nc	x	1.97E+00	ca	4.98E-04	9.96E-03
Trichloroethylene	2.26E-01	ca	5.45E-01	ca	1.21E+01	ca	x	2.77E-01	ca	1.31E-04	2.62E-03
Trichlorofluoromethane	1.82E+02	nc	6.65E+02	nc	5.96E+02	nc	x	1.29E+03	nc	1.15E+00	2.30E+01
2,4,5-Trichlorophenol	6.11E+03	nc	6.84E+04	nc	2.33E+04	nc		3.65E+03	nc	7.13E+00	1.43E+02
2,4,6-Trichlorophenol	6.11E+00	nc	6.84E+01	nc	2.33E+01	nc		3.65E+00	nc	7.13E-03	1.43E-01

Chemical	Residential Soil (mg/kg)	End-point	Industrial/ Occupational Soil (mg/kg)	End-point	Construction Worker Soil (mg/kg)	End-point	VOC	Tap Water (ug/L)	End-point	DAF 1 (mg/kg)	DAF 20 (mg/kg)
1,1,2-Trichloropropane	4.08E+01	nc	1.61E+02	nc	1.36E+02	nc	x	3.04E+01	nc	7.65E-03	1.53E-01
1,2,3-Trichloropropane	1.82E-01	ca	4.50E-01	ca	9.50E+00	ca	x	5.53E-02	ca	1.39E-05	2.78E-04
1,2,3-Trichloropropene	2.63E+00	nc	9.58E+00	nc	8.60E+00	nc	x	2.10E+00	nc	5.29E-04	1.06E-02
Triethylamine	1.98E+01	nc	7.94E+01	nc	6.61E+01	nc	x	1.21E+01	nc	2.14E-03	4.29E-02
1,2,4-Trimethylbenzene	1.77E+01	nc	6.45E+01	nc	5.79E+01	nc	x	1.23E+01	nc	7.09E-02	1.42E+00
1,3,5-Trimethylbenzene	7.54E+00	nc	2.74E+01	nc	2.46E+01	nc	x	1.23E+01	nc	1.78E-02	3.55E-01
2,4,6-Trinitrotoluene	3.06E+01	nc	3.42E+02	nc	1.17E+02	nc		1.83E+01	nc	5.34E-02	1.07E+00
Vanadium	7.82E+01	nc	1.14E+03	nc	3.10E+02	nc		3.65E+01	nc	3.65E+01	7.30E+02
Vinyl acetate	3.30E+02	nc	1.20E+03	nc	1.08E+03	nc	x	4.12E+02	nc	7.57E-02	1.51E+00
Vinyl bromide	8.65E-01	ca	2.07E+00	ca	6.15E+00	nc	x	1.18E+00	ca	4.73E-04	9.45E-03
Vinyl chloride (Child)	1.04E+00	ca					x	4.28E-01	ca	1.43E-04	2.86E-03
Vinyl chloride (adult)	2.02E+00	ca	5.48E+00	ca	8.07E+01	nc	x	8.33E-01	ca	2.78E-04	5.57E-03
m-Xylene	1.01E+02	nc	1.32E+02	sat	1.32E+02	sat	x	2.03E+02	nc	1.66E-01	3.33E+00
o-Xylene	1.32E+02	sat	1.32E+02	sat	1.32E+02	sat	x	7.30E+03	nc	5.43E+00	1.09E+02
Xylenes	1.02E+02	nc	1.33E+02	sat	1.33E+02	sat	x	2.03E+02	nc	1.67E-01	3.34E+00
Zinc	2.35E+04	nc	1.00E+05	max	9.29E+04	nc		1.10E+04	nc	6.82E+02	1.36E+04