



DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
1322 PATTERSON AVENUE, SE SUITE 1000  
WASHINGTON NAVY YARD DC 20374-5065

N62661 AR.002037  
NAVSTA NEWPORT RI  
5090 3a

IN REPLY REFER TO

5090  
Ser 060008/ENC-RS  
21 March 2006

**From:** Commander, Naval Facilities Engineering Command

**Subj:** NAVFAC EFFORTS TO MEET EPA ENVIRONMENTAL INDICATORS (EI) GOALS FOR CERCLA NATIONAL PRIORITY LIST (NPL) INSTALLATIONS

**Encl:** (1) EPA Office of Solid Waste and Emergency Response letter to DUSD (I&E) on key Government Performance and Results Act (GPRA) goals, dated 16 February 2006.  
(2) NAVFAC Summary Template for Tracking EPA CERCLA EIs.

1. The EPA has established Government Performance and Results Act (GPRA) Agency goals for DoD facilities listed on the Superfund National Priorities List (NPL). In particular, they have created three measures used by the Agency: (1) Human Exposure Under Control Environment Indicator (EI), (2) Migration of Contaminated Ground Water EI, and (3) Site Construction Completion (CC). These goals are further defined in enclosure (1). The first two metrics are the same as those that the EPA had established previously for Installations that the Navy has been addressing under RCRA Corrective Action.

2. The DoD is committed to working with the EPA to effectively protect human health and the environment. According to the latest information provided by EPA, 29 of 54 Navy and Marine Corps installations on the NPL do not fully meet one or both of the Human Exposure EI or the Contaminated Groundwater Migration EI. Enclosure (2) provides the list of all 54 Navy Installations, and the current status of meeting the goals as reported by EPA. As we experienced during our earlier efforts to attain EPA's RCRA EIs, much of the shortfall was resolved in some initial communication and coordination between our RPMs and the EPA regions. For the 29 installations listed in enclosure (2) as not meeting either the Human Exposure or Contaminated Groundwater Migration EIs, the RPMs must work immediately with their EPA counterparts to mutually agree on the EI issues and status at the installations.

3. One primary difference to note between the EPA's EIs and the Navy's Defense Management Goals (DMG) is that EIs are based on an evaluation of the entire installation as a whole, while the Navy's goals are based on the risk of individual sites. RPMs must work with the EPA regions to determine which sites at each installation are the critical sites that must be addressed to meet the EIs for the entire installation. Another important difference in the goals is that achieving the EIs does not necessarily coincide with achieving RIP/RC. For example, the EI of containing a groundwater plume at a site may be achieved prior to reaching a final remedy and RIP/RC. In turn, reaching RIP at a groundwater site may not necessarily be the point at which a release to groundwater is "controlled". The EPA's Site Construction Completion (CC) metric, however, does generally coincide with the Navy's RIP/RC metric. Currently, the last site RIP/RC date for the installation is what the Navy will report for this EPA metric.

Subj: NAVFAC EFFORTS TO MEET EPA ENVIRONMENTAL INDICATORS (EI) GOALS  
FOR CERCLA NATIONAL PRIORITY LIST (NPL) INSTALLATIONS

4. After discussion with the EPA regions, please provide an update to enclosure (2) by identifying the projected date for meeting EPA's goals if they have not already been achieved. Also provide any additional comments, including if the Navy is in agreement or disagreement with the current status as reported by EPA and why, resolution of issues impeding the goals, and planned dates for future meetings. It is a negative reflection on our program in not having human exposure or contaminated groundwater migration under control at our NPL sites. In particular, if our review turns up areas where human exposure is not under control, it is imperative that we increase the effort to get these taken care of in a priority fashion. This update should be provided to headquarters by 28 April 2006. A follow-on update will be requested with the end-of-year submit. RPMs should continue their dialogue with their EPA counterparts to reach resolution on EI issues and proposed achievement dates. My HQ point of contact is Mr. Rob Sadorra at (202) 685-9306.

  
B. P. HARRISON  
By direction

**Subj: NAVFAC EFFORTS TO MEET EPA ENVIRONMENTAL INDICATORS (EI)  
GOALS FOR CERCLA NATIONAL PRIORITY LIST (NPL) INSTALLATIONS**

**Distribution:**

**NAVFAC ATLANTIC  
NAVFAC PACIFIC  
COMSOUTHNAVFACENGCOM  
NAVFAC SOUTHWEST  
NAVFAC NORTHEAST  
NAVFAC NORTHWEST  
NAVFAC WASHINGTON  
NAVFAC MID-ATLANTIC  
NAVFAC MIDWEST  
NAVFAC HAWAII  
NAVFAC MARIANAS**

**Copy to:**

**ASN (I&E)  
ASN (BRAC PMO)  
CNO (N453)  
CMC (LFL)  
CO NFESC**

Subj: NAVFAC EFFORTS TO MEET EPA ENVIRONMENTAL INDICATORS (EI)  
GOALS FOR CERCLA NATIONAL PRIORITY LIST (NPL) INSTALLATIONS

BCC:

ENC (all)

ENV RF

ENV RC

P/t/by: R. Sadorra



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

FEB 16 2006

OFFICE OF  
SOLID WASTE AND EMERGENCY  
RESPONSE

Mr. Philip W. Grone  
Deputy Under Secretary for  
Installations and Environment  
Office of the Under Secretary for Acquisition, Technology and Logistics  
3400 Defense Pentagon  
Washington, D.C. 20301-3400

Dear Mr. Grone:

The purpose of this letter is to share with you information about the Environmental Protection Agency's (EPA's) key Government Performance and Results Act (GPRA) measures related to its cleanup programs and to seek your assistance in achieving these measures in the coming years. In particular, we would like to bring to your attention the long-term environmental performance measures, Human Exposures Under Control Environmental Indicator (EI) and Migration of Contaminated Ground Water EI, for facilities listed on the Superfund National Priorities List (NPL), as well as projected Site Construction Completions (CCs) for Department of Defense (DoD) facilities in FY 2006 and FY 2007. EPA annually tracks accomplishment of these measures against an established target for Superfund NPL sites, of which DoD NPL facilities are a part. EPA, DoD, and the Military Services should be working to ensure that these performance measures are achieved in order to effectively protect human health and the environment.

Enclosure I provides a list of DoD NPL facilities, broken out by Military Service, with the status of whether the releases associated with the two EIs are under control, not under control, or there are insufficient data to determine, as of the end of FY 2005. Enclosure II provides additional information regarding the Superfund Program's GPRA EI measures.

At DoD NPL facilities, 77% (107) have human exposures under control, 6% (9) have human exposures not under control, and 17% (24) have insufficient data to make a determination. Ninety-six percent (135) of DoD NPL facilities are ground water sites considered for the contaminated ground water migration measure. Of the 135 ground water sites, 48% (65) have contaminated ground water migration under control, 25% (34) have ground water migration not under control, and 27% (36) have insufficient data to make a determination.

The EI measures are updated annually by our Regional program offices for all sites on the NPL. In some cases, a site which was previously "under control" may be found to be either "not under control" or to have "insufficient data" depending on any new information that is available. Generally speaking, once all long-term cleanup goals for the site have been achieved, the site should remain "under control" for both indicators. The Superfund Program GPRA EIs are consistent with the Resource Conservation and Recovery Act Corrective Action EIs, Current Human Exposures Under Control EI and Migration of Contaminated Ground Water Under Control EI, and where sites fall under both cleanup frameworks, the EI determinations should be the same.

Enclosure III provides a list of DoD NPL facilities that EPA projects will achieve CC in FY 2006 and FY 2007. In order to effectively plan and manage for upcoming facility CCs, we are providing this list in an effort to share our current expectations and facilitate any discussions which may need to take place in regards to the facilities listed. As you are aware, EPA's site CC measure is one of the primary tools used by EPA to report the progress of cleanup activities, and is similar to DoD's measure of "Remedies in Place."

The Agency places a high level of importance on these measures because they enable us to report to the public and Congress on where actions have been taken to protect human health and the environment at Superfund NPL facilities. We hope that as DoD develops its FY 2008 budget submission for the President, achievement of these measures will be considered in your decision-making process. As part of the effort to achieve exposure "under control" status at DoD NPL facilities, I am requesting that the Services work with our Regional offices and focus efforts to achieve and maintain these measures. In addition, I would like to request that DoD and the Services actively work with the Federal Facilities Restoration and Reuse Office (FFRRO) to identify how DoD can achieve greater results under these performance measures.

My lead for federal facility Superfund sites is Jim Woolford, Director of FFRRO. His staff lead for federal facility accomplishment of the Superfund GPRA measures is Tracey Seymour. Please feel free to contact Jim at (703) 603-0047 or [woolford.james@epa.gov](mailto:woolford.james@epa.gov), or Tracey at (703) 603-8712 or [seymour.tracey@epa.gov](mailto:seymour.tracey@epa.gov), if you have questions. If I can assist in any way, please feel free to contact me at (202) 566-0200.

Sincerely,

  
Susan Parker Bodine  
Assistant Administrator

Enclosures (3)

cc: Tom Dunne, OSWER  
Barry Breen, OSWER  
Jim Woolford, FFRRO  
Mike Cook, OSRTI

Matt Hale, OSW  
Patrick Meehan, OSD/AT&L/ESOH  
Col. Richard Ashworth, Department of Air Force  
Col. Tad Davis, Department of Army  
VADM Keith Lippert, DLA  
Donald Schregardus, Department of Navy  
Superfund Regional National Program Managers, Regions I - X  
RCRA Regional National Program Managers, Regions I - X

**DEPARTMENT OF DEFENSE NPL FACILITIES**  
**Human Exposure and Contaminated Ground Water Migration**  
**Environmental Indicator Determinations**  
*Data as of October 14, 2005*

EPA REGION	STATE	FACILITY NAME	NPL STATUS	HUMAN EXPOSURE	GROUNDWATER MIGRATION
1	MA	OTIS AIR NATIONAL GUARD BASE/CAMP EDWARDS	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
1	MA	HANSCOM FIELD/HANSCOM AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
1	MA	LORING AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
1	MA	PEASE AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
2	NJ	MCGUIRE AIR FORCE BASE #1	FINAL	HE NOT CONTROLLED	GW NOT CONTROLLED
2	NY	GRIFFISS AIR FORCE BASE (11 AREAS)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
2	NY	PLATTSBURGH AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
3	MD	ANDREWS AIR FORCE BASE	FINAL	HE NOT DETERMINED	GW NOT CONTROLLED
3	VA	LANGLEY AIR FORCE BASE/NASA LANGLEY RESEARCH CENTER	FINAL	HE NOT DETERMINED	GW NOT CONTROLLED
3	MD	BRANDYWINE DRMO	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
3	DE	DOVER AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
4	GA	ROBINS AIR FORCE BASE (LANDFILL #4/SLUDGE LAGOON)	FINAL	HE NOT DETERMINED	GW UNDER CONTROL
4	FL	HOMESTEAD AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL

**DEPARTMENT OF DEFENSE NPL FACILITIES**  
**Human Exposure and Contaminated Ground Water Migration**  
**Environmental Indicator Determinations**  
*Data as of October 14, 2005*

EPA REGION	STATE	FACILITY NAME	NPL STATUS	HUMAN EXPOSURE	GROUNDWATER MIGRATION
4	FL	TYNDALL AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
5	OH	WRIGHT-PATTERSON AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
5	MN	TWIN CITIES AIR FORCE RESERVE BASE (SMALL ARMS RANGE LANDFILL)	DELETED	HE UNDER CONTROL	GW UNDER CONTROL
6	OK	TINKER AIR FORCE BASE (SOLDIER CREEK/BUILDING 3001)	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
6	TX	AIR FORCE PLANT #4 (GENERAL DYNAMICS)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
8	CO	AIR FORCE PLANT PJKS	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
8	SD	ELLSWORTH AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
8	UT	HILL AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
8	WY	F.E. WARREN AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
9	CA	GEORGE AIR FORCE BASE	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
9	CA	CASTLE AIR FORCE BASE (6 AREAS)	FINAL	HE NOT DETERMINED	GW UNDER CONTROL
9	AZ	WILLIAMS AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
9	CA	MCCLELLAN AIR FORCE BASE (GROUND WATER CONTAMINATION)	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
9	CA	MATHER AIR FORCE BASE (AC&W DISPOSAL SITE)	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED

Enclosure I

**DEPARTMENT OF DEFENSE NPL FACILITIES**  
**Human Exposure and Contaminated Ground Water Migration**  
**Environmental Indicator Determinations**  
*Data as of October 14, 2005*

REGION	STATE	FACILITY NAME	NPL STATUS	HUMAN EXPOSURE	GROUNDWATER MIGRATION
9	AZ	LUKE AIR FORCE BASE	DELETED	HE UNDER CONTROL	GW UNDER CONTROL
9	CA	EDWARDS AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
9	CA	NORTON AIR FORCE BASE (LND FLL #2)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
9	CA	MARCH AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
9	CA	TRAVIS AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
9	GU	ANDERSEN AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
10	WA	FAIRCHILD AIR FORCE BASE (4 WASTE AREAS)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
10	ID	MOUNTAIN HOME AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
10	WA	AMERICAN LAKE GARDENS/MCCHORD AFB	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
10	AK	EIELSON AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
10	AK	ELMENDORF AIR FORCE BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
10	WA	MCCHORD AIR FORCE BASE (WASH RACK/TREATMENT AREA)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
10	WA		DELETED	HE UNDER CONTROL	GW UNDER CONTROL

Enclosure I

DEPARTMENT OF DEFENSE NPL FACILITIES  
 Human Exposure and Contaminated Ground Water Migration  
 Environmental Indicator Determinations  
 Data as of October 14, 2005

EPA REGION	STATE	FACILITY NAME	NPL STATUS	HUMAN EXPOSURE	GROUNDWATER MIGRATION
1	MA	NATICK LABORATORY ARMY RESEARCH, DEVELOPMENT, AND ENGINEERING CENTER	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
1	MA	MATERIALS TECHNOLOGY LABORATORY (USARMY)	FINAL	HE UNDER CONTROL	NOT A GW SITE
1	MA	FORT DEVENS	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
1	MA	FORT DEVENS-SUDBURY TRAINING ANNEX	DELETED	HE UNDER CONTROL	GW UNDER CONTROL
2	NJ	PICATINNY ARSENAL (USARMY)	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
2	NY	SENECA ARMY DEPOT	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
2	NJ	FORT DIX (LANDFILL SITE)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
3	PA	LETTERKENNY ARMY DEPOT (PDO AREA)	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
3	PA	LETTERKENNY ARMY DEPOT (SE AREA)	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
3	VA	FORT EUSTIS (US ARMY)	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
3	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	FINAL	HE NOT CONTROLLED	GW NOT CONTROLLED
3	WV	WEST VIRGINIA ORDNANCE (USARMY)	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
3	MD	ABERDEEN PROVING GROUND (MICHAELSVILLE LANDFILL)	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
3	PA	TOBYHANNA ARMY DEPOT	FINAL	HE UNDER CONTROL	GW UNDER CONTROL

Enclosure I

**DEPARTMENT OF DEFENSE NPL FACILITIES**  
**Human Exposure and Contaminated Ground Water Migration**  
**Environmental Indicator Determinations**  
*Data as of October 14, 2005*

REGION	STATE	FACILITY NAME	NPL STATUS	HUMAN EXPOSURE	GROUNDWATER MIGRATION
3	MD	FORT GEORGE G. MEADE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
4	AL	USARMY/NASA REDSTONE ARSENAL	FINAL	HE NOT CONTROLLED	GW NOT CONTROLLED
4	AL	ALABAMA ARMY AMMUNITION PLANT	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
4	AL	ANNISTON ARMY DEPOT (SOUTHEAST INDUSTRIAL AREA)	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
4	TN	MILAN ARMY AMMUNITION PLANT	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
5	IL	SAVANNA ARMY DEPOT ACTIVITY	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
5	MN	NEW BRIGHTON/ARDEN HILLS/TCAAP (USARMY)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
5	IL	JOLIET ARMY AMMUNITION PLANT (MANUFACTURING AREA)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
5	IL	JOLIET ARMY AMMUNITION PLANT (LOAD-ASSEMBLY-PACKING AREA)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
6	TX	LONGHORN ARMY AMMUNITION PLANT	FINAL	HE NOT CONTROLLED	GW NOT CONTROLLED
6	LA	LOUISIANA ARMY AMMUNITION PLANT	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
6	TX	LONE STAR ARMY AMMUNITION PLANT	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
7	MO	WELDON SPRING FORMER ARMY ORDNANCE WORKS	FINAL	HE NOT CONTROLLED	GW NOT DETERMINED
7	IA	IOWA ARMY AMMUNITION PLANT	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED

**DEPARTMENT OF DEFENSE NPL FACILITIES**  
**Human Exposure and Contaminated Ground Water Migration**  
**Environmental Indicator Determinations**  
*Data as of October 14, 2005*

REGION	STATE	FACILITY NAME	NPL STATUS	HUMAN EXPOSURE	GROUNDWATER MIGRATION
7	MO	LAKE CITY ARMY AMMUNITION PLANT (NORTHWEST LAGOON)	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
7	NE	CORNHUSKER ARMY AMMUNITION PLANT	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
7	KS	FORT RILEY	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
8	UT	TOOELE ARMY DEPOT (NORTH AREA)	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
8	CO	ROCKY MOUNTAIN ARSENAL (USARMY)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
9	CA	FORT ORD	FINAL	HE NOT CONTROLLED	GW NOT CONTROLLED
9	CA	TRACY DEFENSE DEPOT (USARMY)	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
9	CA	SACRAMENTO ARMY DEPOT	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
9	CA	RIVERBANK ARMY AMMUNITION PLANT	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
9	CA	SHARPE ARMY DEPOT	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
9	HI	SCHOFIELD BARRACKS (USARMY)	DELETED	HE UNDER CONTROL	GW UNDER CONTROL
10	WA	HAMILTON ISLAND LANDFILL (USA/COE)	DELETED	HE UNDER CONTROL	NOT A GW SITE
10	WA	FORT LEWIS LOGISTICS CENTER	FINAL	HE NOT DETERMINED	GW NOT CONTROLLED
10	WA	FORT LEWIS (LANDFILL NO. 5)	DELETED	HE UNDER CONTROL	NOT A GW SITE

Enclosure I

**DEPARTMENT OF DEFENSE NPL FACILITIES**  
**Human Exposure and Contaminated Ground Water Migration**  
**Environmental Indicator Determinations**  
*Data as of October 14, 2005*

REGION	STATE	FACILITY NAME	NPL STATUS	HUMAN EXPOSURE	GROUNDWATER MIGRATION
10	OR	UMATILLA ARMY DEPOT (LAGOONS)	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
10	AK	FORT WAINWRIGHT	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
10	AK	FORT RICHARDSON (USARMY)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL

Enclosure I

DEPARTMENT OF DEFENSE NPL FACILITIES  
 Human Exposure and Contaminated Ground Water Migration  
 Environmental Indicator Determinations  
 Data as of October 14, 2005

EPA REGION	STATE	FACILITY NAME	NPL STATUS	HUMAN EXPOSURE	GROUNDWATER MIGRATION
1	RI	NEWPORT NAVAL EDUCATION & TRAINING CENTER	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
1	MA	SOUTH WEYMOUTH NAVAL AIR STATION	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
1	CT	NEW LONDON SUBMARINE BASE	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
1	RI	DAVISVILLE NAVAL CONSTRUCTION BATTALION CENTER	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
1	ME	PORTSMOUTH NAVAL SHIPYARD	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
1	ME	BRUNSWICK NAVAL AIR STATION	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
1	MA	NAVAL WEAPONS INDUSTRIAL RESERVE PLANT	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
2	PR	NAVAL SECURITY GROUP ACTIVITY	DELETED	HE UNDER CONTROL	NOT A GW SITE
2	NJ	NAVAL AIR ENGINEERING CENTER	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
2	NJ	NAVAL WEAPONS STATION EARLE (SITE A)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
3	VA	NORFOLK NAVAL SHIPYARD	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
3	PA	WILLOW GROVE NAVAL AIR AND AIR RESERVE STATION	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
3	VA	NWS YORKTOWN - CHEATHAM ANNEX	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
3	VA	NAVAL WEAPONS STATION - YORKTOWN	FINAL	HE NOT DETERMINED	GW NOT DETERMINED

Enclosure I

DEPARTMENT OF DEFENSE NPL FACILITIES  
 Human Exposure and Contaminated Ground Water Migration  
 Environmental Indicator Determinations  
 Data as of October 14, 2005

EPA REGION	STATE	FACILITY NAME	NPL STATUS	HUMAN EXPOSURE	GROUNDWATER MIGRATION
3	VA	MARINE CORPS COMBAT DEVELOPMENT COMMAND	FINAL	HE NOT DETERMINED	GW NOT CONTROLLED
3	VA	NAVY SHIPS PARTS CONTROL CENTER	FINAL	HE NOT DETERMINED	GW NOT CONTROLLED
3	VA	ST. JULIENS CREEK ANNEX (U.S. NAVY)	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
3	MD	PATUXENT RIVER NAVAL AIR STATION	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
3	VA	NORFOLK NAVAL BASE (SEWELLS POINT NAVAL COMPLEX)	FINAL	HE UNDER CONTROL	GW NOT DETERMINED
3	VA	NAVAL AMPHIBIOUS BASE LITTLE CREEK	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
3	DC	WASHINGTON NAVY YARD	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
3	MD	INDIAN HEAD NAVAL SURFACE WARFARE CENTER	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
3	PA	NAVAL AIR DEVELOPMENT CENTER (8 WASTE AREAS)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
3	VA	NAVAL SURFACE WARFARE CENTER - DAHLGREN	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
3	WV	ALLEGANY BALLISTICS LABORATORY (USNAVY)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
4	NC	CHERRY POINT MARINE CORPS AIR STATION	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
4	NC	CAMP LEJEUNE MILITARY RES. (USNAVY)	FINAL	HE NOT CONTROLLED	GW NOT CONTROLLED
4	SC	PARRIS ISLAND MARINE CORPS RECRUIT DEPOT	FINAL	HE UNDER CONTROL	GW NOT DETERMINED

Enclosure I

**DEPARTMENT OF DEFENSE NPL FACILITIES**  
**Human Exposure and Contaminated Ground Water Migration**  
**Environmental Indicator Determinations**  
*Data as of October 14, 2005*

REGION	STATE	FACILITY NAME	NPL STATUS	HUMAN EXPOSURE	GROUNDWATER MIGRATION
4	FL	USN AIR STATION CECIL FIELD	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
4	FL	PENSACOLA NAVAL AIR STATION	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
4	GA	MARINE CORPS LOGISTICS BASE	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
4	FL	WHITING FIELD NAVAL AIR STATION	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
4	FL	JACKSONVILLE NAVAL AIR STATION	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
5	MN	NAVAL INDUSTRIAL RESERVE ORDNANCE PLANT	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
9	CA	TREASURE ISLAND NAVAL STATION-HUNTERS POINT ANNEX	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
9	HI	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
9	HI	PEARL HARBOR NAVAL COMPLEX	FINAL	HE NOT DETERMINED	GW NOT DETERMINED
9	CA	MOFFETT NAVAL AIR STATION	FINAL	HE NOT DETERMINED	GW NOT CONTROLLED
9	CA	CONCORD NAVAL WEAPONS STATION	FINAL	HE NOT DETERMINED	GW NOT CONTROLLED
9	CA	EL TORO MARINE CORPS AIR STATION	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
9	AZ	YUMA MARINE CORPS AIR STATION	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
9	CA	ALAMEDA NAVAL AIR STATION	FINAL	HE UNDER CONTROL	GW UNDER CONTROL

Enclosure I

DEPARTMENT OF DEFENSE NPL FACILITIES  
 Human Exposure and Contaminated Ground Water Migration  
 Environmental Indicator Determinations  
 Data as of October 14, 2005

REGION	STATE	FACILITY NAME	NPL STATUS	HUMAN EXPOSURE	GROUNDWATER MIGRATION
9	CA	BARSTOW MARINE CORPS LOGISTICS BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
9	CA	CAMP PENDLETON MARINE CORPS BASE	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
10	WA	JACKSON PARK HOUSING COMPLEX (USNAVY)	FINAL	HE NOT CONTROLLED	GW NOT CONTROLLED
10	WA	NAVAL AIR STATION, WHIDBEY ISLAND (SEAPLANE BASE)	DELETED	HE UNDER CONTROL	NOT A GW SITE
10	WA	BANGOR NAVAL SUBMARINE BASE	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
10	WA	NAVAL UNDERSEA WARFARE ENGINEERING STATION (4 WASTE AREAS)	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
10	WA	PUGET SOUND NAVAL SHIPYARD COMPLEX	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
10	WA	BANGOR ORDNANCE DISPOSAL (USNAVY)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
10	WA	PORT HADLOCK DETACHMENT (USNAVY)	DELETED	HE UNDER CONTROL	GW UNDER CONTROL
10	WA	NAVAL AIR STATION, WHIDBEY ISLAND (AULT FIELD)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL
10	AK	ADAK NAVAL AIR STATION	FINAL	HE UNDER CONTROL	GW UNDER CONTROL

Enclosure I

DEPARTMENT OF DEFENSE NPL FACILITIES  
 Human Exposure and Contaminated Ground Water Migration  
 Environmental Indicator Determinations  
 Data as of October 14, 2005

EPA REGION	STATE	FACILITY NAME	NPL STATUS	HUMAN EXPOSURE	GROUNDWATER MIGRATION
03	VA	DEFENSE GENERAL SUPPLY CENTER (DLA)	FINAL	HE UNDER CONTROL	GW NOT CONTROLLED
04	TN	MEMPHIS DEFENSE DEPOT (DLA)	FINAL	HE NOT CONTROLLED	GW NOT CONTROLLED
08	UT	OGDEN DEFENSE DEPOT (DLA)	FINAL	HE UNDER CONTROL	GW UNDER CONTROL

## Enclosure II

### Superfund Program GPRA Environmental Indicators

The **Human Exposures Under Control Environmental Indicator** is used by the Agency to document the interim progress made towards achieving long-term human health protection by controlling unacceptable human exposures at NPL sites. This measure tracks the status of whether human health exposures are controlled under current site use, as well as progress towards achieving more permanent, long-term control and protection at NPL sites. Human exposure is not under control if, under current site use, there are complete human exposure pathways that present an unacceptable risk – pathways by which an individual could reasonably be exposed to a hazardous substance, pollutant, or contaminant at levels that could result in injury, disease, or death. Unacceptable human exposures can be controlled by:

- Reducing the level of contamination associated with complete exposure pathways to the point where the exposure is no longer "unacceptable," and
- Eliminating exposure pathways by controlling or eliminating contaminant migration to human receptors, preventing human receptors from contacting contaminants in-place, or controlling human receptor activity patterns (e.g., reducing the potential frequency or duration of exposure).

The **Contaminated Ground Water Migration Measure** indicates whether contamination levels fall below protective, risk-based levels determined by EPA, or if they do not, whether the migration of contaminated ground water is stabilized, and there is no currently unacceptable ground water discharge to surface water at NPL sites. The determination of under control, not under control, or insufficient data for this measure is made:

- only for those NPL sites with past or present ground water contamination;
- on a site-wide basis, looking at distinct plumes across the entire site; and
- based on the existing plume boundary (not property boundary or projected exposure point)

Additional information for how EPA makes the determinations for these measures can be found at: <http://www.epa.gov/superfund/accomp/ei/ei.htm>

**Department of Defense NPL Facilities  
Site Construction Completion Planning Data**  
*Data as of October 2005*

Category	Count	Count
Air Force	5	3
Army	2	2
Navy	0	1
DPA	0	0
<b>Total</b>	<b>7</b>	<b>6</b>

DPA Region	Military Service	State	Facility Name
3	Air Force	DE	Dover Air Force Base
4	Air Force	FL	Homestead Air Force Base
6	Air Force	TX	Air Force Plant #4
9	Air Force	CA	Castle Air Force Base
9	Air Force	CA	Norton Air Force Base
9	Army	CA	Tracy Defense Depot
10	Army	AK	Fort Richardson

  

DPA Region	Military Service	State	Facility Name
1	Air Force	MA	Hanscom Air Force Base
4	Navy	FL	Naval Air Station Cecil Field
5	Army	MN	New Brighton/Arden Hills/TCAAP
6	Army	LA	Louisiana Army Ammunition Plant
9	Air Force	CA	Mather Air Force Base
10	Air Force	AK	Elmendorf Air Force Base