

ENVIRONMENTAL HAPPENINGS AT PICATINNY ARSENAL

VOLUME 1, ISSUE 3 SEPTEMBER 2004

NEW SOIL STANDARDS PROPOSED BY DEP

The NJDEP recently issued proposed soil standards. The proposal appeared in the July 19, 2004 issue of the New Jersey Register. The extended comment period will close on October 18, 2004. The newly proposed standards are much different in format from the standards currently in use. The new standards retain a "residential" and "non-residential" category for the soil standards. However, the values of the standards differ depending on the route of exposure. The values are for the ingestion-dermal route of exposure and the inhalation route of exposure. The values for the inhalation route of exposure are further categorized into the following: residential, non-residential – less than 2 acres, and non-residential – greater than 2 acres. There remains a category for impact to groundwater. An RI is required for sites where any sample

has a concentration exceeding the lowest applicable standard for the ingestion-dermal or inhalation route of exposure. If there are exceedances of the IGW standard then an RI is required.

However, an Alternate Remediation Standard (ARS) can also be petitioned for. The NJDEP has revised some of the assumptions used to calculate the various standards. Further detail on the basis for the proposed revisions will appear in a future issue of the newsletter. For now the interested reader can obtain a full copy of the proposed standards and basis and background documents at the following website: www.state.nj.us/dep/srp.

It is likely that enactment of changes is at least a couple years away. The NJDEP will need to respond to comments on the changes. In the case of significant amendments to the proposal as a result of comments it is possible that the proposal

SPECIAL POINTS OF INTEREST:

- A technical meeting attended by representatives of the USEPA, NJDEP, PAERAB and Picatinny was held on October 20th.
- Contact members of the newsletter editorial committee - Dave Forti, Michael Glaab, Courtenay Huff, and Walter Krich - with comments and suggestions for future issues.
- A field trip for RAB members was held on October 7th from 4:30 to 6:30 pm.

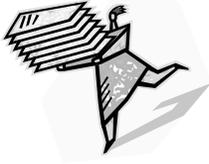
IN THE FIELD.....

Recent field activities for July and August 2004 include the following:

- Southern Boundary Area: Groundwater sampling & installation of transducers for monitoring water levels.
- 600 Area: Conduct packer tests and collect samples from the AWDF well.
- Area B: groundwater sampling for treatability study.
- Area D: groundwater sampling for treatability study.
- Green Pond Brook: Collection of surface-water samples in lower portions.
- Building 24: Groundwater sampling overseen by NJDEP Enforcement as a RCRA inspection.
- Site 78: collection of groundwater samples for treatability study.

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RECORDS OF DECISION STACKING UP

Fund availability for environmental projects depends on meeting projected timeframes. Funds can be withdrawn and awarded to other installations.

1. Area D Groundwater ROD – The ROD was finalized in April 2004 and is awaiting concurrence from the NJDEP. USEPA signed the ROD in September 2004.
 2. Site 23, Post Farm Landfill ROD – The ROD was finalized in August 2004 and is now awaiting regulatory agency acceptance.
 3. Green Pond Brook/Bear Swamp Brook ROD – A draft final version was completed in June 2004 and is now awaiting USEPA technical and management review.
 4. Site 34 Burning Ground ROD – A draft final version was completed in August 2004 and is now awaiting USEPA technical and management review.
- Picatinny representatives had prioritized the above documents for review in the order listed. Funds are available for both Area D and the Post Farm Landfill. However, implementation of the remedial action at Area D is constrained by concerns about affecting the golf course during the playing season. Work would need to be completed in the winter; startup for the construction could be late

UPCOMING TRAINING OPPORTUNITIES & NEW GUIDANCE

FREE TRAINING IS AVAILABLE ON THE INTERNET. ACCESS PROGRAMS FROM YOUR COMPUTER AND PHONE. REGISTER ON-LINE SEVERAL WEEKS IN ADVANCE.

- Recent training courses by the **Interstate Technology Regulatory Council (ITRC)** included the following topics:
- In Situ Chemical Oxidation
 - Surfactant/Cosolvent Flushing of DNAPL Source Zones
 - Strategies for Monitoring the Performance of DNAPL Source Zone Remedies
- Register for upcoming courses at www.itrc.org or www.clu-in.org/studio/.
- New documents available at ITRC are as follows:
- “Technical and Regulatory Guidance for Design, Installation, and Monitoring of Alternative Landfill Covers “ (ALT-2)
 - “Vapor Intrusion Issues at Brownfield Sites” (BRNFLD-1)
 - “Munitions Response Historical Records Review” (UXO-2)
- Download from the internet at <http://itrcweb.org>

SBA LOOKS OVER PONDVIEW ESTATES



Water supply issues have prevented this project from moving forward.

As you drive by Route 15 in the vicinity of the Southern Boundary Area (SBA) you’ll note that a new commercial building has been erected and additional site work has been completed. The new development is referred to as “Pondview Estates.” A total of 1,050 apartment units are planned for the development. A Rockaway Township official said that the project was approved years ago but is still on hold pending State permits for water. In the past, the source of the water for the development has been in contention due to the close proximity of Picatinny, specifically the SBA. At one point, a consultant for the developer had proposed installation of a hydraulic barrier to prevent water from Picatinny from entering the capture zone of the proposed supply well for the development. The developers eventually drilled another test well further from Picatinny. Picatinny is now in the process of monitoring water levels in SBA monitoring wells to gather background data. The status of the NJDEP water allocation

BASE VISIT BY DOD OFFICIAL TOUCHES ON BRAC

On July 26th Deputy Undersecretary of Defense for Installations and Environment Raymond F. DuBois visited the base along with Congressman Rodney Frelinghuysen. DuBois met with key staff at Picatinny and toured the base. The undersecretary oversees base realignment and reuse and commented that it was yet too early

to tell which bases and how many bases would be affected but that all were being examined. BRAC stands for Base Relignment and Closure. Periodically the Department of Defense examines its facilities to determine their value in the system. The last BRAC was in 1995. BRAC 2005 is now underway.

Final selection criteria for retention of facilities were published in February 2004. The Secretary of Defense is required to submit recommendations for realignments and closures to the BRAC commission by May 2005. The BRAC commission holds regional meetings to solicit public input. The commission then

forwards its report on the recommendations to the President in September 2005. The President has until September 23, 2005 to accept or reject the recommendations in their entirety. Then the recommendations go to Congress where they may be rejected in their entirety or they become binding. Additional information on the

WHAT'S IN A NAME? PICATINNY NO LONGER ARSENAL.

The Star-Ledger reported on September 24, 2004 that Picatinny may drop "Arsenal" from the name. Ted Gabel, the Environmental Project Manager for Picatinny, had mentioned the potential name change at the last RAB meeting in July 2004. Kristen

Alloway, the reporter assigned to cover Picatinny, reported that Picatinny was once a "true arsenal, producing and storing weapons for over 70 years." The site was purchased by the Army in the 1880s for use as a black powder storage facility. The phaseout of

manufacturing began in 1977. Now the site is the home to the Army's center for research and development. The post's commanding officer submitted the request for a name change to Army officials in September.

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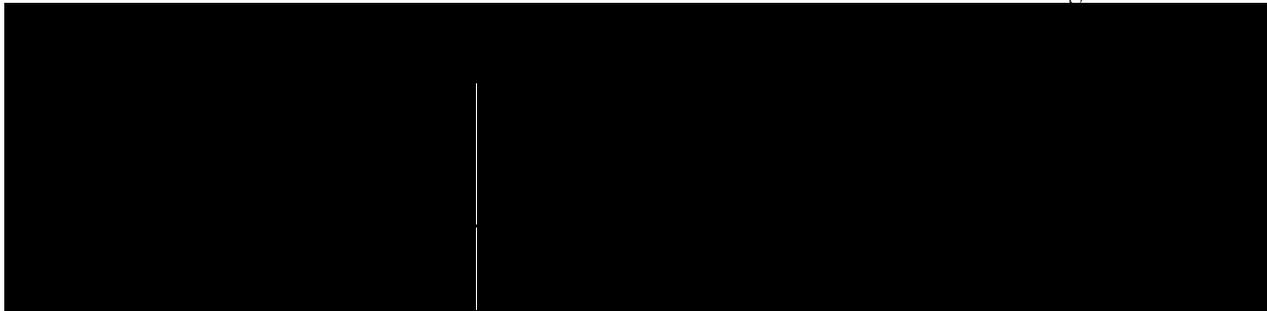
PROPOSED SOIL STANDARDS (CONTINUED FROM PAGE 1)

For example, provided below are the values for the various proposed "generic

soil remediation standards" for trichloroethene (TCE). Concentrations are in units

of milligrams per kilogram (mg/kg) or parts per million (ppm). Current values for

TCE are as follows:
Residential - 23 mg/kg;
Non-residential - 54 mg/kg; and IGW - 1 mg/kg.





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PICATINNY ARSENAL IS ON THE
WEB

[HTTP://W4.PICA.ARMY.MIL](http://W4.PICA.ARMY.MIL)

If you have any questions or require additional information on any of the subjects in this newsletter, please contact Barbara Dolce at Subsurface Solutions LLC. Subsurface Solutions LLC is the Technical Assistance for Public Participation (TAPP) contractor for the Picatinny Arsenal Environmental Restoration Advisory Board (PAERAB).

In accordance with federal regulations PAERAB meetings are open to the public and attendance by the community is encouraged. The date and time of an upcoming PAERAB meeting are advertised in local newspapers. For further information please contact Michael Glaab (PAERAB Community Co-Chair) at 973-663-9605 (michaelglaab@worldnet.att.net) or the Environmental Affairs office at Picatinny Arsenal (Ted Gabel, PAERAB Army Co-Chair at 973-724-6748).

The TAPP - Technical Assistance for Public Participation program is a DOD program that provides a mechanism for community members of Restoration Advisory Boards and Technical Review Committees to obtain technical assistance. Its purpose is to provide citizen and/or community groups with professionals to assist them in their review of environmental issues at military installations. For example, a TAPP process may involve helping the public understand environmental remediation alternatives by providing an unbiased technical analysis and recommendation.

The newsletter is intended to provide an update on newly drafted documents, field activities at Picatinny Arsenal, upcoming events related to environmental issues at the site, and discussions at technical meetings. In addition, notice of new or revised Federal or State regulations may also be included.

The PAERAB also maintains a website at <http://www.paerab.us>.

HOT OFF THE PRESS....

- Record of Decision – Site 34 – The Burning Ground, Draft Final, August 2004
- Feasibility Study for Sites 61 and 104, Draft Final, August 2004
- Site 180 Feasibility Study, Final, August 2004
- Proposed Plan for Site 25/26 Soil, Final, August 2004
- Proposed Plan for Site 22, Final, August 2004
- Record of Decision – Site 23 – The Post Farm Landfill, Final, August 2004



Documents can be reviewed by the public at the following locations:

*Rockaway Township Library
Morris County Library*

Both sites maintain a repository of final reports and of documents for which public comment is solicited.