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NSA MID SOUTH
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LETTER DISCUSSING APPROVED CONSTRUCTION PERMIT FOR EMERGENCY
RECOVERY WELLS AT SOLID WASTE MANAGEMENT UNIT 39 MILLINGTON SUPPACT TN
9/29/1999
MEMPHIS AND SHELBY COUNTY HEALTH DEPARTMENT

99-207
SWMU 39



MEMPHIS AND SHELBY COUNTY HEALTH DEPARTMENT

YVONNE S. MADLOCK
Director

JOHN B. KIRKLEY, M.D.
Interim Health Officer



JIM ROUT
Mayor of Shelby County

DR. W. W. HERENTON
Mayor of Memphis

September 29, 1999

Ms. Tonya Barker
Director, Public Works Office
Environmental Division
NSA Mid South
7800 Wasp Avenue
Millington, TN 38054

**RE: EMERGENCY FILL/ABANDONMENT OF WELL(S) AT: NSA Mid South, Southside
U.S. Navy-Assembly F (SWMU 39)
Permit #99-207 039-PZ1, 039-PZ2, 039-PZ3 Piezometers**

Dear Ms. Barker:

This letter is to inform you that a construction permit has been issued to your selected well contractor, authorizing him to begin the fill and abandonment of the above referenced well. We appreciate the cooperation you have given the Health Department during the application review process. Your further cooperation is required by complying with the following:

1. The Health Department is to be notified when the work is scheduled so that we can witness the procedures.
2. The Health Department is to be notified if the well driller violates any of the conditions for which the permit was issued.
3. The Health Department is to be notified for prior approval of any changes in plans for filling the well, or in the well contractor initially selected to do the work.
4. Inspection Fee Required? Yes No xx Amount \$-0-
5. Permit Application Fee Yes xx No Amount \$50.00
(Check #010665 in the amount of \$50.00 dollars was paid by Ensafe Clean, II).

If you have any questions or need additional information, please contact Mr. Greg Parker at 544-7741.

Sincerely,

J. Carter S. Gray, Manager
POLLUTION CONTROL SECTION

GP:JCSG:mpc

Enclosure

Mission

To promote, protect and improve the health and environment of all Shelby County residents.

814 JEFFERSON AVENUE, MEMPHIS, TENNESSEE 38105

Phone (901) 544-7600

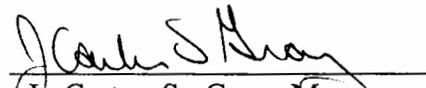
MEMPHIS AND SHELBY COUNTY HEALTH DEPARTMENT
WATER QUALITY BRANCH
FILL AND ABANDONMENT PERMIT

WELL DRILLING COMPANY	TR STATE TESTING SERVICES
ADDRESS 6756 Buckles Cove	Memphis, TN 38133
DATE ISSUED 6/25/99	EXPIRATION DATE 9/25/99 PERMIT NUMBER 99-207
DESCRIPTION OF WORK	Fill and abandonment of a well : NSA Mid South, Southside
EMERGENCY PERMIT	Assembly F (SWMU 39) 039-PZ1, 039-PZ-2, 039-PZ3

This permit is issued based on the signed commitment of the driller and the owner to fully comply with the requirements outlined in the Shelby County Well Construction Code or as directed by the Water Quality Branch of the Memphis and Shelby County Health Department. Any deviation of the approved conditions outlined on this permit will void this permit immediately.

CONDITIONS :

1. The abandoned well shall be sealed only by a licensed well contractor and all procedures used to fill the well shall be witnessed by the Memphis and Shelby County Health Department.
2. If any water lines are connected to the well they must be disconnected before filling the well.
3. At least a twenty-four (24) hour notification is required to arrange the fill and abandonment of a well. This includes all dismantling procedures and the lowering of the pipe used to grout the well.
4. The well is to be dismantled so that all working parts are removed from inside the casing and any obstructions discovered in the well are dislodged.
5. One of two methods can be used to fill the empty well casing :
 - a) A mixture of Portland Class A or quick setting cement in a ratio not over seven (7) gallons of water for each ninety-four (94) pounds of cement.
 - b) A coarse grained high solids non-drilling mud grade bentonite slurry such as Baroid Benseal, American Colloid or equal. The bentonite grout shall be mixed in accordance with the manufacturers recommendations.
6. The grout shall be pumped from the bottom of the well upward through a tremmie pipe in one continuous operation in order to avoid separation or dilution of the seal material. A return shall be seen that is the same consistency at the top as the material that is pumped into the well.
7. Chlorine shall be added at the beginning and during the sealing process.


J. Carter S. Gray, Manager
POLLUTION CONTROL

No authority is granted by this permit to construct, operate or maintain any well in violation of any law, statute, code, ordinance, rule or regulation of Memphis and Shelby County, Tennessee.

NON TRANSFERABLE

POST OR FILE AT INSTALLATION ADDRESS

GP 9/30/99