

GEC GENESIS ENVIRONMENTAL CONSULTING, INC.

11400 West Baseline Road (501) 455-2199
Little Rock, Arkansas 72209 Fax (501) 455-4547

March 26, 1997

4/9/97

Dave Ann Pennington
Geologist Solid Waste Management Division
Arkansas Department of Pollution Control & Ecology
8017 I-30, P.O. Box 8913
Little Rock, AR 72219-8913

**SUBJECT: Abandonment Report Piezometer P-1 Sunray Tontitown Facility
Permit No.: 123-SR-2**

Dear Dave Ann:

The following provides documentation associated with the decommissioning of waste mass piezometer P-1 located near the north end of Site 4. Decommissioning was necessary to accommodate the recently approved additional waste placement in this area. The piezometer was utilized for water level measurement only and is not a part of facility GW monitoring system. This piezometer was abandoned on March 25, 1997 utilizing the following method:

- The piezometer was backfilled with bentonite pellets. Completely filling the well minimizes the possibility of borehole collapse and shifting of seals that could occur if an attempt was made to remove the casing.
- It was necessary to excavate around the piezometer in order to cut off the casing 6" to 1 foot below surface.
- The bentonite pellets were tremied to the bottom of the piezometer. The pellets were hydrated every five feet to provide an adequate seal. Once the piezometer was filled, a bentonite seal was placed over the top of the piezometer.

A construction diagram of the abandoned piezometer is presented on the attached figure.

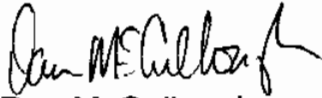
According to "Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells" (EPA/600/4-89/034), Monitoring wells are most commonly abandoned by completely filling the

well with a grout or hydrated bentonite. Because the primary purpose of abandonment is to avoid vertical migration, leaving the casing in place avoids borehole collapse and provides the most stable and adequate seal.

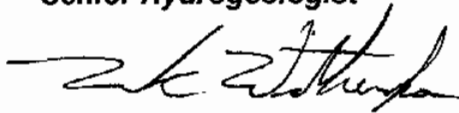
If you have any questions, please contact Mark Witherspoon or myself.

Sincerely,

GENESIS ENVIRONMENTAL CONSULTING, INC.



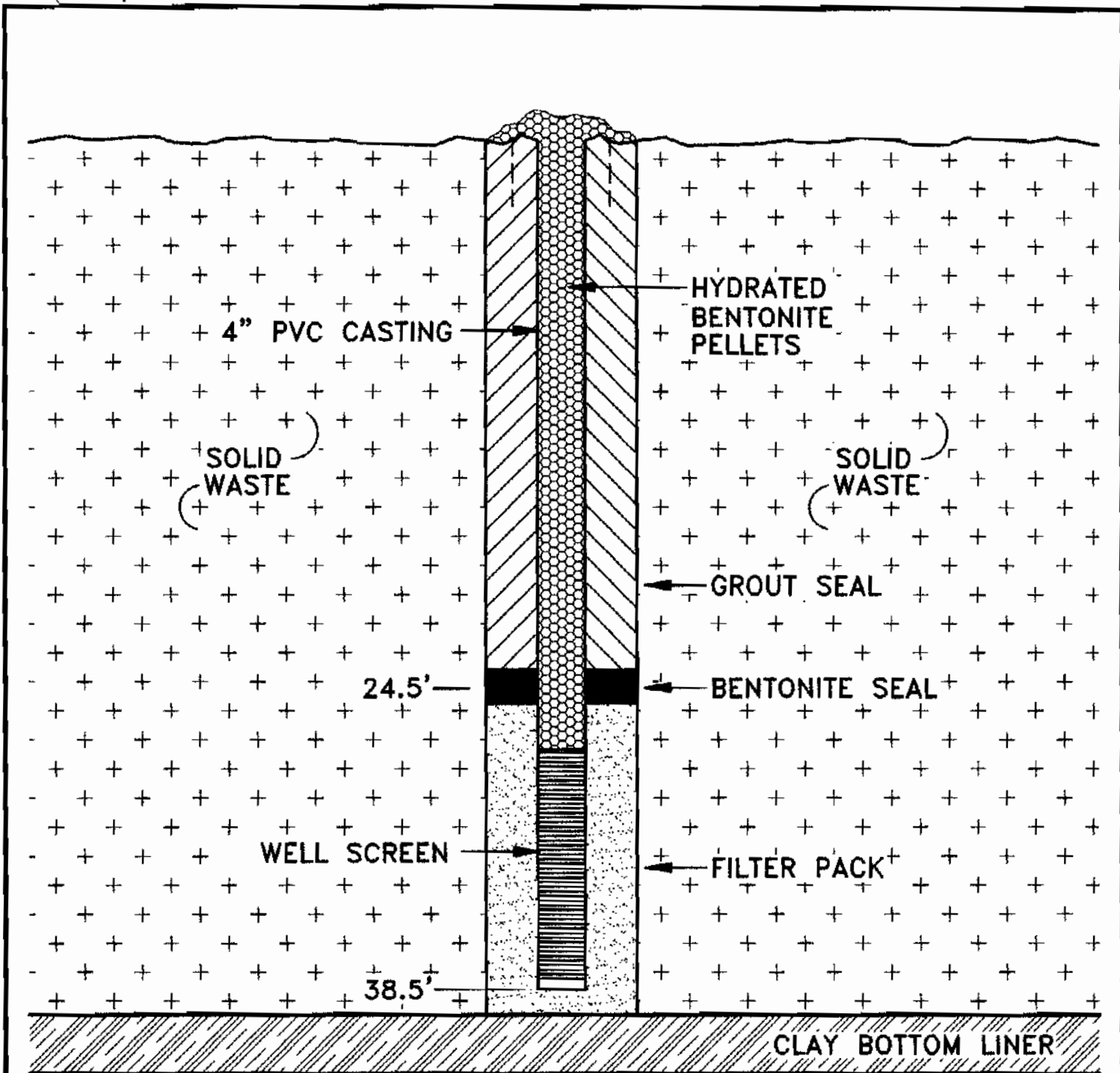
Dan McCullough,
Senior Hydrogeologist



Mark Witherspoon, P.G.
President

cc: Kevin Hodges

enclosure: Abandonment Construction Diagram



SUNRAY SERVICES, INC.
 ABANDONMENT OF PIEZOMETER P-1
 SURFACE ELEVATION: 1301.58 fmsl
 DATE DRILLED: 5/29/92
 DATE ABANDONED: 3/25/97

Design by: DWM
 Checked by: MW
 Drawn by: JFH

GEC // GENESIS
 ENVIRONMENTAL CONSULTING, INC.
 11400 West Baseline Road
 Little Rock, AR 72209

Project No.: 9541
 Date: MAR 1997
 Scale: N.T.S.

SUNRAY SERVICES, INC. 11400 WEST BASELINE ROAD, LITTLE ROCK, AR 72209