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August 20, 2003, Amended 9/17/04

S. Bravo Systems, Inc.
2929 Vail Avenue
Commerce, CA 90040

**RE: STATE REGISTERED PROFESSIONAL ENGINEER APPROVAL
CCR Title 23 Division 3, Chapter 16, Section 2631(d)
AB2481 Requires secondary containment for all underground piping in an
UST System**

**BRAVO DOUBLE WALL VAPOR VENT CONTAINMENT-SYSTEM
MODELS B-500-D-AB, B-600-D-AB (With out rack stand) and same Models
WITH RS ADDED (Designates with rack stand)
MAY BE USED AS PIPING TRANSITION SUMP FOR UG TO AG**

I have examined and reviewed the following items on the Bravo double wall vapor vent containment with double wall penetration fittings for installation at the interface of underground piping with the above ground vent risers.

1. Detail drawings of the units.
2. Installation Guide for units.
3. Double wall containment dispenser sump illustrations.
4. Illustrations and drawings of B-17-D and B-33-D Flexible Double Penetration Fittings that interconnect with the interstitial space of the double wall dispenser containment and are tested with the interstitial space of the dispenser sump.
5. A section removed from a double wall containment sump for inspection of the construction and for determination of the volume of the interstitial space.
6. Material Data Sheet for the fluid that may be used for the continuous monitoring of the interstitial space.
7. The sensor for monitoring the interstitial space is furnished by others.
8. Chemical compatibility data for Dion ISO 6631
9. Chemical compatibility for Derakane 411
10. **UL letter with test record dated 9/12/04 on annulus proof pressure/vacuum test.**

Upon review the materials and construction it is my opinion and conclusion that sound engineering design and engineering of these products provide an in-place system that will provide the required secondary containment and **allow** continuous **vacuum** or hydrostatic monitoring of the containment interstitial space including the sump penetration fittings. The RS alternate provides an integral support frame for the vertical vent risers.

James H. Ray
James H. Ray
Sr. Civil Engineer

