

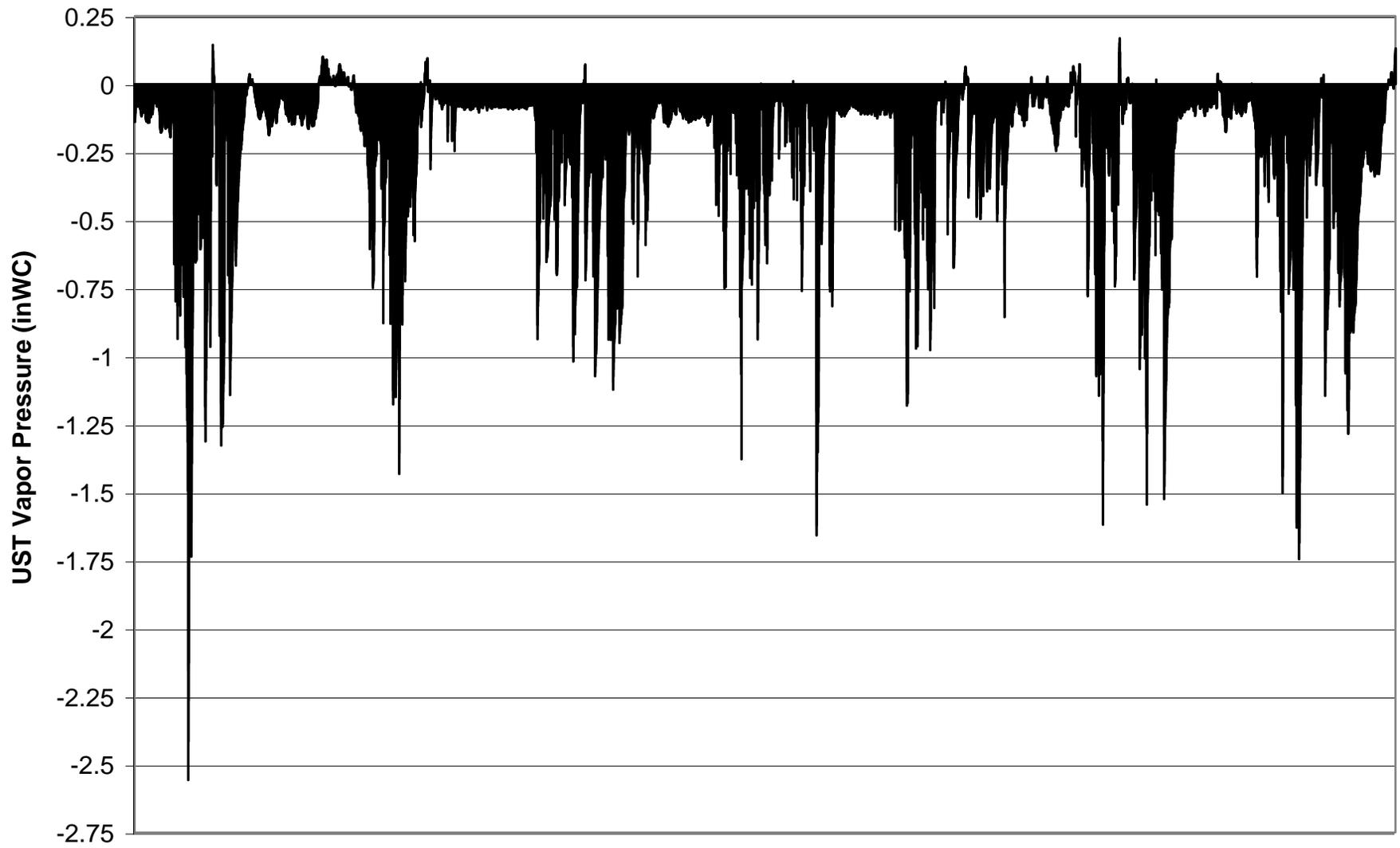
## **Summary of the Evaluation for Phase II Balance Type Vapor Recovery Systems Interacting with On-board Refueling Vapor Recovery (ORVR) Equipped Vehicles**

For seven consecutive days (December 4th - 10<sup>th</sup>, 2002), CARB staff observed the fueling of vehicles which were all equipped with On-board Refueling Vapor Recovery (ORVR) at a dispensing facility utilizing a non-EVR Phase II balance type vapor recovery system. The testing was conducted to observe the impact on the operating pressure of the underground storage tank (UST). During this period, 486 vehicle fuelings were observed and a total of 2816 gallons was dispensed. The station was closed for an average of 8 hours a day. Over the seven days, the vapor recovery system maintained an operating pressure of 0.0 gauge pressure or less for 95% of the time and the remaining 5% of the time the pressure was less than 1/4" water column. The results illustrate that the interaction between non-EVR Phase II balance type vapor recovery systems and ORVR equipped vehicles will not generate excess emissions.

A report of this evaluation will be compiled and an approval will be issued deeming non-EVR Phase II balance type vapor recovery systems as ORVR compatible.

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### UST Vapor Pressure Profile



12:00 a.m. December 4 - 11:59 p.m. December 10, 2002