State of California
AIR RESOURCES BOARD

Executive Order G-70-142-B

Certification of a Phase I Vapor Recovery System
for Aboveground Gasoline Storage Tanks

WHEREAS, this Executive Order shall apply to aboveground gasoline storage tanks with a capacity of 12,000 gallons or less which are filled by Bobtail truck delivery through a delivery hose that has a diameter of one and one-half inches or less at a delivery rate of 80 gallons per minute or less.

WHEREAS, the Air Resources Board (the "Board") has established, pursuant to California Health and Safety Code sections 39600, 39601 and 41954, certification procedures for systems designed to control gasoline vapor emissions displaced during the filling of service station storage tanks ("Phase I vapor recovery systems") and for systems designed to control gasoline vapor emissions from motor vehicle fueling operations ("Phase II vapor recovery systems") in its "Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations", amended December 4, 1981 (the "Certification Procedures"), and incorporated by reference in Title 17, California Code of Regulations, section 94001;

WHEREAS, the Board has established, pursuant to California Health and Safety Code sections 39600, 39601, and 41954, test procedures to determine compliance of Phase I and Phase II vapor recovery systems with emission standards in its "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations", amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Title 17, California Code of Regulations, section 94000;

WHEREAS, Executive Order G-70-142-A, issued on November 19, 1992, certified a Phase I vapor recovery system for specified aboveground gasoline storage tanks with a capacity of 12,000 gallons or less which are filled by Bobtail truck delivery through a delivery hose that has a diameter of one and one-half inches or less at a delivery rate of 80 gallons per minute or less and which utilized a 3 inch vapor recovery hose system:

WHEREAS, aboveground gasoline storage tanks with a capacity of 12,000 gallons or less which are filled by Bobtail truck delivery through a delivery hose that has a diameter of one and one-half inches or less at a delivery rate of 80 gallons per minute or less and which are equipped with a 2 inch vapor recovery hose system conform to the requirements of Section I through VII;

WHEREAS, Section VIII-A of the Certification Procedures provides that the Executive Officer shall issue an order of certification if he or she determines that a vapor recovery system conforms to all of the requirements set forth in Certification Procedures Sections I through VII;

WHEREAS, on April 15, 1994 the Air Resources Board Executive Officer, pursuant to California Health and Safety Code sections 39515 and 39516, delegated to the Chief, Compliance Division full authority to approve and grant Executive Orders certifying integral Phase I and Phase II aboveground systems in accordance with California Health and Safety Code section 41954;

WHEREAS, I, James J. Morgester, Chief of the Compliance Division of the California Air Resources Board, have determined that the 2 inch vapor recovery hose system for aboveground storage tank Phase I vapor recovery systems conforms with all the requirements set forth in Sections I through VII of the Certification Procedures;

WHEREAS, a Phase I vapor recovery system for aboveground gasoline storage tanks was previously certified by Executive Order G-70-142-A dated November 19, 1992;

WHEREAS, the Board finds it beneficial to consolidate executive orders pertaining to the approval of vapor recovery equipment and/or systems;

NOW, THEREFORE, IT IS HEREBY ORDERED this Executive Order G-70-142-B shall apply to aboveground gasoline storage tanks with a capacity of 12,000 gallons or less and which utilize a 2 inch or 3 inch vapor recovery hose system which are filled by Bobtail truck delivery through a delivery hose with a diameter of one and one-half inches or less at a delivery rate of 80 gallons per minute or less. The systems certified hereby are shown in Exhibits 1 and 2 attached.

IT IS FURTHER ORDERED that the vapor recovery adaptor on the tank have a built-in spring-loaded poppet (approved Phase I equipment in Exhibits 1 through 3 of Executive Order G-70-97-A for 3 inch vapor recovery hose system and Kamvalok 1600 series adaptor or equivalent for 2 inch vapor recovery hose system) and that a Kamvalok D-2000 series coupler or equivalent be used to connect the 2 inch vapor recovery hose to the 2 inch vapor recovery adaptor.

IT IS FURTHER ORDERED that the threaded stem normally used with the Bobtail truck bulk delivery nozzle be replaced with a coupler (OPW 633-B or equivalent) to connect the Bobtail truck bulk delivery nozzle with the storage tank fill adaptor (OPW 633-A or equivalent) during transfer of gasoline from the delivery truck to the storage tank and that the fill adaptor be sealed with a dust cap (OPW 634-B or equivalent) when not in use.

IT IS FURTHER ORDERED that compliance with the rules and regulations of the local air pollution control district with jurisdiction where the installed system is located, shall be made a condition of this certification.

IT IS FURTHER ORDERED that the tank and associated piping and other equipment not specifically listed as approved Phase I equipment in Exhibits 1 through 3 of Executive Order G-70-97-A shall comply with the rules and regulations of the local fire officials with jurisdiction where the installed system is located, and that the use of a PV valve shall require the prior approval of such local fire official.

IT IS FURTHER ORDERED that all equipment and fittings installed on the tanks be leak free at the operating pressure of the tank when tested in accordance with ARB Method 2-6, "Test Procedures for Gasoline Vapor Leak Detection Using Combustible Gas Detector" as last amended September 1, 1982, incorporated by reference in Section 94007 of Title 17, California Code of Regulations.

IT IS FURTHER ORDERED that compliance with all applicable certification requirements and rules and regulations of the Division of Measurement Standards, the Office of the State Fire Marshal, and the Division of Occupational Safety and Health of the Department of Industrial Relations shall be made a condition of this certification.

IT IS FURTHER ORDERED that any alteration of the equipment, parts, design, or operation of the configurations certified hereby, is prohibited, and deemed inconsistent with this certification, unless such alteration has been approved by the Executive Officer or his or her designee.

IT IS FURTHER ORDERED that this Executive Order shall supersede Executive Order G-70-142-A dated November 19, 1992.

Executed this 9th day of September ~~1994~~ at Sacramento, California.

James J. Morgester, Chief
Compliance Division