State of California
AIR RESOURCES BOARD

Executive Order G-70-7-AC

Certification of the Hasstech
Model VCP-2 and VCP-2A Phase II
Vapor Recovery Systems

WHEREAS, the Air Resources Board (the "Board") has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, certification procedures for systems designed for the control of gasoline vapor emissions displaced during the filling of storage tanks at service stations ("Phase I vapor recovery systems") and for the control of 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" as last amended December 4, 1981 (the "Certification Procedures"), incorporated by reference in Section 94001 of Title 17, California Code of Regulations;

WHEREAS, the Board has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, test procedures for determining 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" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Code of Regulations;

WHEREAS, Hasstech, Incorporated has applied for certification of the Model VCP-2 and VCP-2A Phase II vapor recovery systems for use on above ground gasoline storage tank systems;

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 Sections I through VII; and

WHEREAS, I find that the Hasstech, Incorporated Model VCP-2 and VCP-2A Phase II vapor recovery systems, when integrated with ARB certified Phase I aboveground gasoline storage tank systems conforms with all the requirements set forth in Sections I through VII of the Certification Procedures;

NOW, THEREFORE, IT IS HEREBY ORDERED that the certification, Executive Order G-70-7-AB issued on January 22, 1985 for the VCP-2 and VCP-2A Phase II vapor recovery systems is hereby modified to include the utilization of Phase I certified aboveground tank systems. These systems are certified to be at least 95 percent effective when integrated with ARB certified Phase I aboveground tank vapor recovery systems. The systems certified hereby are shown in Exhibit 1 attached. Air Resources Board certified Phase II components from Executive Order G-70-7 series are to be used.

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(s) and associated piping and other equipment not specifically listed as approved Phase II equipment in Executive Order G-70-7 series shall comply with the rules and regulations of the local fire officials with jurisdiction where the installed system is located.

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 the certified Phase II vapor recovery systems shall, at a minimum, be maintained in accordance with the maintenance schedule shown in Exhibit 2 attached. These minimum maintenance requirements shall be included in the Permit to Operate issued by the district in which the system is installed.

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 undersigned or the Executive Officer's designee.

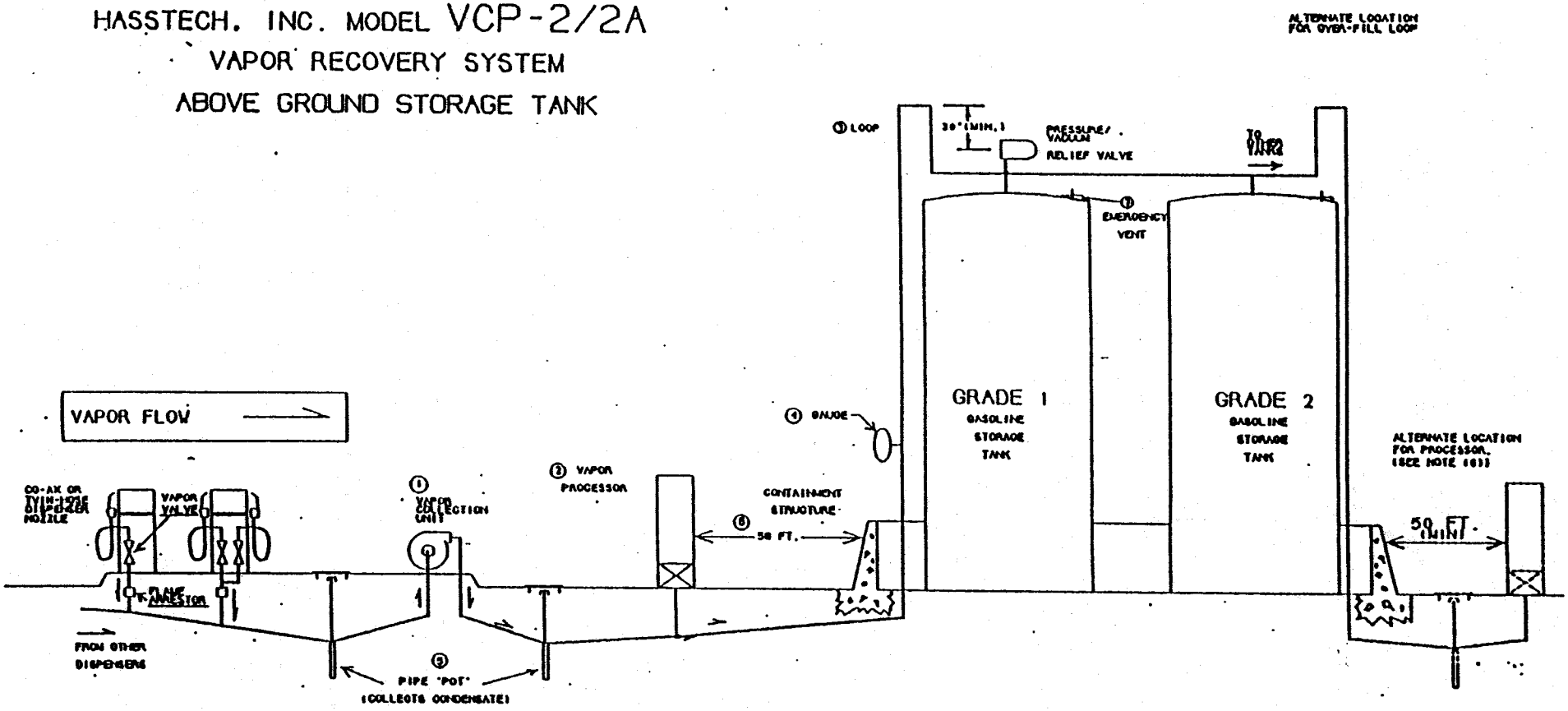
Executed this 5th day of November 1991, at Sacramento, California.

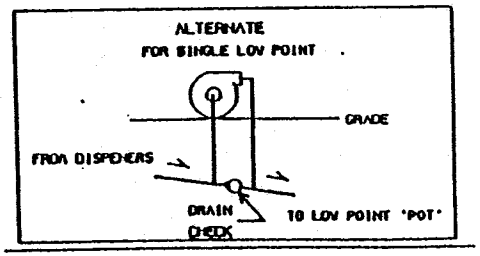
James D. Boyd
Executive Officer

Exhib[illegible].

Executive Order G-70-7-AC

HASSTECH. INC. MODEL VCP-2/2A
VAPOR RECOVERY SYSTEM
ABOVE GROUND STORAGE TANK





NOTES:
1. VAPOR COLLECTION UNIT DRAWS VAPORS FROM THE ISLANDS AND PUSHES THEM INTO THE TANKS.
2. VAPOR PROCESSOR FLARES EXCESS VAPOR. THUS KEEPING STORAGE TANK PRESSURE BELOW THE RELIEF SETTING OF THE PRESSURE/VACUUM VALVE.
3. 30" LOOP IN PIPE PREVENTS PRODUCT BACK-FLOW IN EVENT OF STORAGE TANK OVERFILL.
4. GAUGE GIVES CONTINUOUS INDICATION OF SYSTEM PRESSURE STATUS.
5. "POT" IS AN ACCESSIBLE CLEANOUT FOR CONDENSATE AT EACH LOW POINT.
6. 50 FOOT MINIMUM FROM CONTAINMENT STRUCTURE FOR LESSER DISTANCES SEE SECT. 1818.03 CALIF. STATE FIRE MARSHAL REGULATIONS.
7. EMERGENCY VENTS TO BE VAPOR TIGHT AND MEET REQUIREMENTS OF NFPA-30(1984), APPENDIX A.

Exhibit 2

Executive Order G-70-7-AC

Minimum Maintenance Requirements for the
Hasstech Phase II Vapor Recovery System

1. The owner/operator shall conduct the following maintenance on a yearly basis if the facility dispenses 75,000 gallons per month or less. If the facility dispenses more than 75,000 gallon per month in any given month, checks a, b and c shall be conducted at least every six months.

a. Clean all screens in the vapor return system.

b. Check the ionization detector and replace any defective electrodes in accordance with the manufacturer's instructions.

c. Check vapor flow control valves in each dispenser to determine if they are opening properly and for liquid leaks and replace any valves that are not opening or that are found leaking.

d. Check blower for proper operations in accordance with the local district's instructions and, if necessary, replace or repair defective components per manufacturer's instructions. If the local district does not have requirements on proper operations, check blower motor in accordance with manufacturer's instructions.

e. Check pressure/vacuum valve for proper operation and leaks and repair any valve that is not operating properly or leaking.

f. Check operation of collection unit by starting a dispensing unit and observing motor run.

g. Check operation of process unit by observing heat waves from stack when storage tank pressure gauge indicates a pressure of 2 inches water gauge or greater.

2. If the facility dispenses an average of 20,000 gallons or more of gasoline per month, the owner/operator shall replace or rebuild the blower motor five years or less after installation, or when repairs are needed to maintain performance at least equal to that achieved by the certification test system. If the facility dispenses an average of less than 20,000 gallons of gasoline per month, the owner/operator shall replace or rebuild the blower motor ten years or less after installation, or when repairs are needed. Blower motors shall be rebuilt or repaired in accordance with the manufacturer's instructions.

3. The owner/operator shall check and replace any defective bellows or vapor recovery hoses on a weekly basis.

4. The owner/operator shall record and maintain records of all installation tests, scheduled inspections and repairs for a minimum of two years and shall make such records available district, ARB or EPA inspectors upon demand.