State of California
AIR RESOURCES BOARD

Executive Order VR-104-C
CNI Manufacturing Phase I Vapor Recovery System

WHEREAS, the California Air Resources Board (ARB) has established, pursuant to California Health and Safety Code sections 39600, 39601 and 41954, certification procedures for systems designed for the control of gasoline vapor emissions during the filling of underground gasoline storage tanks, in its **CP-201, *Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities*** (Certification Procedure) as last amended May 25, 2006 incorporated by reference in title 17, California Code of Regulations, section 94011;

WHEREAS, ARB has established, pursuant to California Health and Safety Code sections 39600, 39601 and 41954, test procedures for determining the compliance of Phase I vapor recovery systems with emission standards;

WHEREAS, CNI Manufacturing requested and was granted certification of the CNI Manufacturing Phase I Vapor Recovery System (CNI Manufacturing System) pursuant to the Certification Procedure on September 26, 2003 by Executive Order VR-104-A; and last modified on December 13, 2005, by Executive Order VR-104-B;

WHEREAS, CNI Manufacturing requested a further modification to the certification to include the Emco Wheaton Swivel Vapor Adaptor A0076-124S, Emco Wheaton Swivel Product Adaptor A0030-124S, and Emco Wheaton A1100EVR Guardian Overfill Prevention Valve;

WHEREAS, the requested modification to the certification of the CNI Manufacturing System has been evaluated pursuant to the Certification Procedure;

WHEREAS, the Certification Procedure provides that ARB Executive Officer shall issue an Executive Order if he or she determines that the vapor recovery system conforms to all of the applicable requirements set forth in the Certification Procedure;

WHEREAS, G-01-032 delegates to the Chief of the Monitoring and Laboratory Division the authority to certify or approve modifications to certified Phase I and Phase II vapor recovery systems for gasoline dispensing facilities (GDF); and

WHEREAS, I, William V. Loscutoff, Chief of the Monitoring and Laboratory Division, find that the CNI Manufacturing Phase I Vapor Recovery System, including modifications, conforms with all of the requirements set forth in the Certification Procedure and results in a vapor recovery system which is at least 98.0 percent efficient as tested in accordance with test procedure **TP-201.1, *Volumetric Efficiency for Phase I Systems (October 8, 2003)***.

NOW THEREFORE, IT IS HEREBY ORDERED that the CNI Manufacturing System is certified to be at least 98.0 percent efficient when installed and maintained as specified herein and in the following exhibits. Exhibit 1 contains a list of the certified components. Exhibit 2 contains the performance standards and specifications, typical installation drawings, and maintenance

intervals, applicable to the CNI Manufacturing Phase I Vapor Recovery System as installed in a GDF. Exhibit 3 contains the manufacturing specifications.

IT IS FURTHER ORDERED that compliance with the applicable certification requirements, rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board are made conditions of this certification.

IT IS FURTHER ORDERED that CNI Manufacturing shall provide a warranty for the vapor recovery system and components to the initial purchaser. The warranty shall be passed on to each subsequent purchaser within the warranty period. The manufacturer of components listed in Exhibit 1 not manufactured by CNI Manufacturing shall provide a warranty to each of their components certified herein. The warranty shall include the ongoing compliance with all applicable performance standards and specifications, and shall comply with all warranty requirements in section 16.5 of the Certification Procedure. CNI Manufacturing or other manufacturers may specify that the warranty is contingent upon the use of trained installers.

IT IS FURTHER ORDERED that each certified component manufactured by CNI Manufacturing, Husky, and EMCO Wheaton shall be performance tested by the manufacturer as provided in Exhibit 3.

IT IS FURTHER ORDERED that the certified CNI Manufacturing System shall be installed, operated, and maintained in accordance with the ***ARB-Approved Installation, Operation and Maintenance Manual for the CNI Manufacturing Phase I Vapor Recovery System*** as certified by Executive Order VR-104-C***.*** A copy of this Executive Order and manual shall be maintained at each GDF where a certified CNI Manufacturing System is installed.

IT IS FURTHER ORDERED that all equipment listed in Exhibit 1, unless exempted in writing by the Executive Officer or Executive Officer delegate, shall be clearly identified with a permanent identification showing the manufacturer's name and model number.

IT IS FURTHER ORDERED that any alteration in the equipment parts, design, installation or operation of the system certified hereby is prohibited and deemed inconsistent with this certification unless the alteration has been submitted in writing and approved in writing by the Executive Officer or Executive Officer's delegate.

IT IS FURTHER ORDERED that the following requirements be made a condition of certification. The owner or operator of the CNI Manufacturing System shall conduct, and pass, the following tests no later than 60 days after startup and at least once every three (3) years after startup testing, using the following test procedures: **TP-201.3**, ***Determination of 2 Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities (March 17, 1999)***, **TP-201.1B*****, Static Torque of Rotatable Phase I Adaptors (October 8, 2003),*** and depending on the system configuration, either **TP-201.1C**, ***Leak Rate of Drop Tube/Drain Valve Assembly (October 8, 2003)*** or **TP-201.1D**, ***Leak Rate of Drop Tube Overfill Prevention Devices and Spill Container Drain Valves (October 8, 2003)***. Shorter time periods may be

specified in accordance with local district requirements. Notification of testing, and submittal of test results, shall be done in accordance with local district requirements and pursuant to the policies established by that district. Testing the pressure/vacuum (P/V) vent valve will be at the option of the local districts. If P/V vent valve testing is required by the district, the test shall be conducted in accordance with **TP-201.1E**, ***Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves (October 8, 2003)*** and Exhibit 2. Alternate test procedures, including most recent versions of test procedures listed above, may be used if determined by ARB Executive Officer or Executive Officer delegate, in writing, to yield equivalent results.

IT IS FURTHER ORDERED that the CNI Manufacturing System shall be compatible with gasoline in common use in California at the time of certification and any modifications to comply with future California gasoline requirements shall be approved in writing by the Executive Officer or Executive Officer's delegate.

IT IS FURTHER ORDERED that Executive Order VR-104-B issued on December 13, 2005, is hereby superseded by this Executive Order. CNI Manufacturing Phase I Vapor Recovery System certified under Executive Order VR-104-A to B may remain in use at existing installations. This Executive Order shall apply to new installations or major modification of existing Phase I systems.

IT IS FURTHER ORDERED that the certification of the CNI Manufacturing Phase I Vapor Recovery System is valid through September 30, 2008.

Executed at Sacramento, California, this 16th day of August 2007.

William V. Loscutoff, Chief
Monitoring and Laboratory Division