



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

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NORTHERN VIRGINIA ANALYZER SYSTEM FULL CERTIFICATION

In accordance with Article 22 of Title 46.2 of the Code of Virginia and the regulations at 9 VAC 5-91-680, the Virginia DEQ certifies that **Environmental Systems Products (ESP)** is granted **full** Northern Virginia Analyzer System (NVAS) Certification for the FICS 4000/ESP-10400-32 analyzer system in combination with the Mustang dynamometer MD-ASM-97 (ESP model number ESP-30184) based on documentation and/or representations made by said company or its representatives, *the results of the NVAS Acceptance Test Procedures* conducted by an independent party, and *DEQ "Beta" Testing* performed at the DEQ Woodbridge, Virginia referee station. This Certification is a full certification that authorizes the equipment to be used to perform official Virginia enhanced emissions inspections subject to but not limited to the *General Conditions* listed below. This Certification meets the tax credit certification required by Section 58.1-438.1 of the Code of Virginia.

EQUIPMENT DESCRIPTION:

ESP FICS 4000/ESP-10400-32 analyzer system with internal gas cap tester, in combination with the Mustang dynamometer MD-ASM-97 (ESP model number ESP-30184) meeting the requirements of NVAS Specifications dated August 1997 with addenda through the date of this certification.

GENERAL CONDITIONS OF CERTIFICATION:

If any problems or discrepancies are discovered subsequent to the issuance of this certificate, the manufacturer/vendor shall correct or resolve the problems to the satisfaction of DEQ within a time frame acceptable to DEQ. If modifications are made to the NVAS, the manufacturer/vendor shall submit documentation of the changes to and receive approval by DEQ prior to the release/sale of the updated equipment and/or software. The above named manufacturer/vendor agrees to:

An Agency of the Natural Resources Secretariat

Provide each customer with a firm estimate of any required equipment and/or software upgrades not included in the original purchase price.

Provide all DEQ-required updates as provided for in *Specification for the Northern Virginia Analyzer System* dated August 24, 1997 (and subsequent modifications as of the date of this certification) in a time frame acceptable to DEQ.

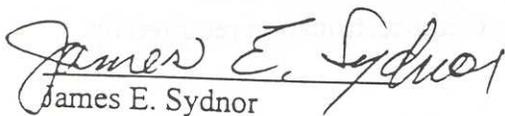
Correct and update all NVAS in-use problems identified within 10 days or in a time frame acceptable to DEQ.

Deliver, install, and initialize the NVAS "software" in all units installed in Virginia within 14 days of successful completion of "Inspection Station Field Testing" or in a time frame acceptable to DEQ.

Failure to comply with the above General conditions may result in a *suspension* of this certification. Such suspension would prevent initialization of future equipment. Serious uncorrected problems could result in *withdrawal* of certification, whereby DEQ would disallow official Virginia emissions inspections performed on the above named equipment.

This approval shall be effective upon issuance and shall expire on the implementation date of the first software update specified by DEQ.

APPROVAL DATE: 4/5/1999



James E. Sydnor

Director, Office of Air Quality Programs