

Total Plant Mobile Vapor & Water Treatment Services™



#1 in Mobile Degassing
& Water Treatment *Since 1992*



- Tank, Vessel & Pipeline Degassing
- Scrubbers & Carbon Services
- Marine & Truck Loading Vapor Control
- Mobile Water Treatment

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USCG Certified Envent Mobile Marine Vapor Control Systems



*When you need a temporary or long term solution to loading petroleum products at marine facilities...
Envent has the Solution.*



Envent designed its Portable Marine Vapor Control System to safely and efficiently destroy explosive vapors from marine cargo vessels during hydrocarbon loading activities. Our system complies with United States Coast Guard (USCG) regulations contained in 33CFR Parts 154 and 156 – Vapor Control Systems. Once on-site, Envent will work with our 3rd party certifying entity to acquire the United States Coast Guard (USCG) Certification Letter.

The Envent Marine Vapor Control System consists of two components... the EDSU and the EMECS.

Envent Dock Safety Unit (EDSU)

The EDSU provides the safety interlocks, isolation devices, pressure/vacuum relief valves, detonation arrestor and an enrichment system to maintain the marine vessel vent stream in a safe and non-explosive range before being directed to the vapor destruction unit.

Envent Mobile Emission Control System (EMECS)

The EMECS is a 42MMBTU portable, fully enclosed horizontal vapor combustor for high-efficiency (99+%) destruction of enriched vapors to meet all local, state and federal emission regulations.

Get the **PEACE OF MIND** that comes from working with the **NATION'S #1 PROVIDER** of degassing and vapor control services.
GIVE US A CALL – and start experiencing the Envent difference.



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**Envent Corporation's Compliance
with**

Subpart P of 33 CFR Chapter 1, Part 154

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Envent Corporation's systems remain fully compliant with 33 CFR, Chapter 1, Part 154, including Subpart P, promulgated July 16, 2013.

All Envent Corporation Marine Vapor Control Systems are fully certifiable under the revisions to Subpart P. All systems that were previously certified under Subpart E (1990) have been reviewed by our Third Party Certifying Entity to ensure they meet the requirements of Subpart P. Envent Corporation guarantees this verifiability for all temporary MVCS applications.

The new regulations put forth by the USCG (SUBPART P):

- Reflect the expanded number and scope of Federal and State regulations for VCSs since 1990;
- Reflect advances in VCS technology and operational practices since 1990, particularly in vapor-balancing operations, cargo line clearing operations, and multi-breasted tandem barge-loading operations. *Envent's temporary systems are vapor destruction units which fully comply with Subpart P;*
- Incorporate safety guidance and reflect VCS regulatory exemptions and equivalency approvals. *Codified regulations eliminating liquid seals and clarifying detonation arrestor installations previously utilizing USCG exemptions from the Commandant's office are now included in the regulation – Envent's MVCSs now require fewer engineer-reviewed exemptions for compliance;*
- Provide new regulations for cargoes and operations, such as TBCFs, that have become subject to Federal or State regulatory expansion since 1990. *Envent's systems and procedures, including calibration, testing, and recordkeeping meet both the original regulation and the new alternate compliance methods promulgated by regulation;*
- Provide for periodic operational reviews to ensure that VCSs are properly maintained and operated after they are certified. *Envent's recordkeeping and compliance systems, while typically temporary in set-up, are certified meeting all requirements of permanent installations, as such, they can be recertified on 5 year intervals as required by Subpart P;*

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- Provide an alternate test program for analyzers and pressure sensors, in addition to existing 24-hour pre-transfer/cleaning instrument testing requirements, to provide greater regulatory flexibility. **Envent technicians can establish test programs in compliance with the original rule or the alternative methods, depending on the installation and Certifying Entity's requirements for the installation;**
- Require certifying entities (CEs) to be operated by currently licensed professional engineers to ensure that certification is conducted by properly qualified professionals, and clarify the role of the CE in VCS design, installation, and hazard reviews. **Envent Corporation relies on a professional engineer with current Certifying Entity acceptance by USCG;**
- Remove 33 CFR Part 154, Appendix B, which provides specifications for flame arresters and requires flame arresters to meet third-party standards, because of apparent lack of public demand for these devices. **Envent only uses USCG certified FA's and DA's;**
- Attempt to achieve greater clarity through the use of tabular presentation. **We are on-board with clarity and simplification of the regulation!;**
- Update industry standards that are incorporated by reference into regulatory requirements. **We support continued improvement and innovation in industry standards;**
- Phase in requirements for existing VCSs to moderate the economic impact of new requirements for those VCSs. **No problem, we meet Subpart P right now;**
- Make conforming changes in regulations other than 33 CFR Part 154, Subpart E and 46 CFR Part 39. **We comply!;** and
- Make nonsubstantive changes in the wording or style of existing regulations, either to improve their clarity or to align them with current Federal regulatory style guidance. **All third party evaluations of our systems installation (including the test load) review compliance with the regulations in their entirety, not just Subpart P.**

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TOTAL PLANT VAPOR & WATER CONTROL SERVICES

Since 1992 Envent Corporation has been providing superior service to the biggest names in the petrochemical industry.

Our reach extends from Texas to Canada to Alaska to Hawaii from our locations throughout North America.

Please call (888) 997-9465 today to speak with an engineer about solutions for your vapor or water treatment issue.

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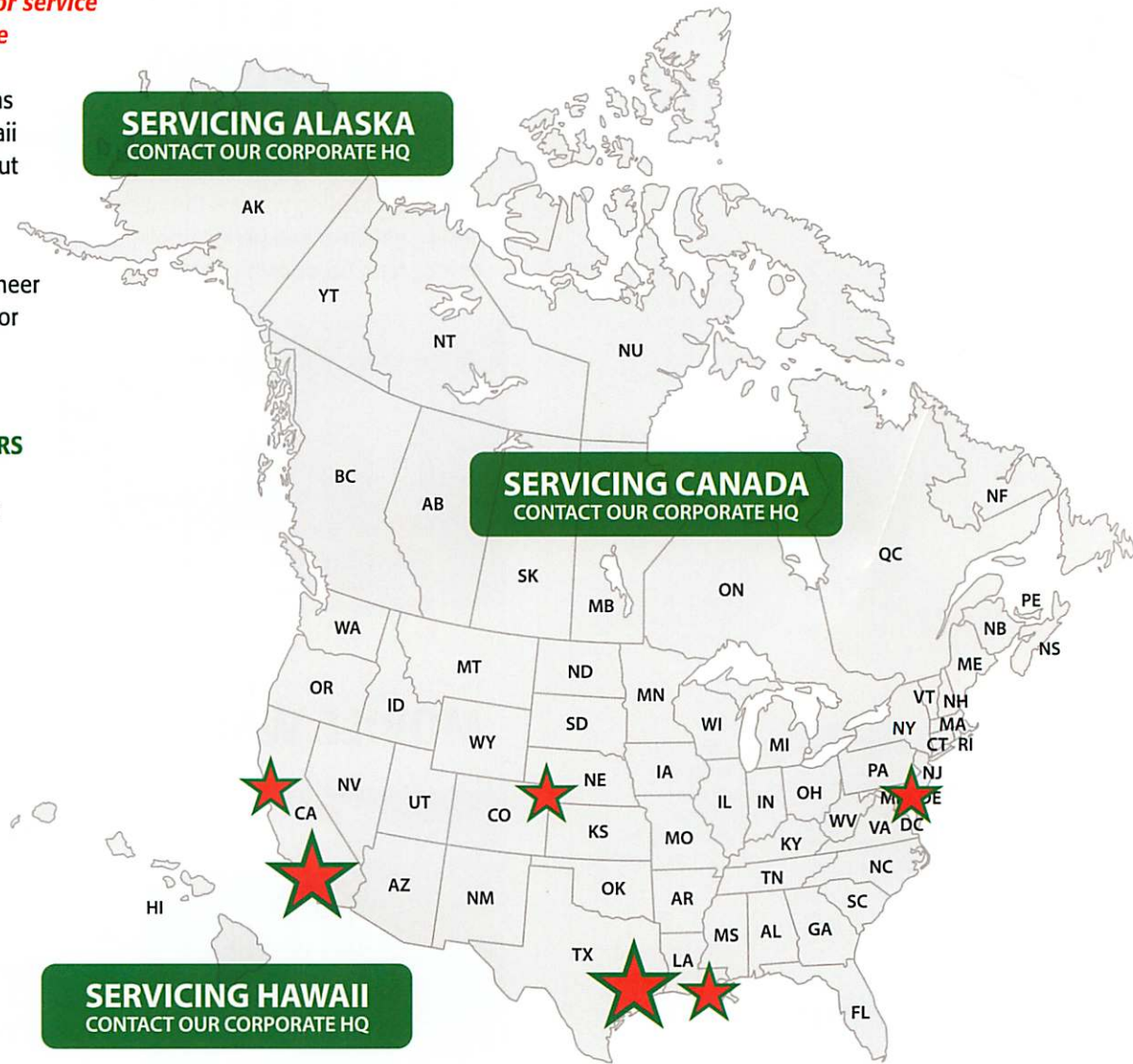
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