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OPW

A DOVER COMPANY

I N T R O D U C E S

The Unmatched Solution

TO MEETING THE

U.S. EPA National Emission Standards for Hazardous
Air Pollutants for Gasoline-Dispensing Facilities (GDF)

40 CFR 63, Subpart CCCCC





New National Emission Standards have gone into effect for Hazardous Air Pollutants at Gasoline-Dispensing Facilities (GDF)

OPW has the most complete line of environmental products in the world to meet the new U.S. Environmental Protection Agency (EPA) requirements for Gasoline-Dispensing Facilities (GDF) that went into effect on Jan. 10, 2008. From spill containment and pressure/vacuum vents to overfill protection, OPW offers retail petroleum marketers the complete solution for meeting the new EPA standards for reducing and eliminating hazardous air pollutants at GDFs.

This new EPA rule applies to existing or new GDFs that have a monthly throughput of 100,000 gallons or more. In order to meet the new EPA requirements, these facilities will have to demonstrate that their connections and lines are equipped with seal closures; demonstrate no leak in the vapor line between storage and cargo tanks; keep cargo-tank pressure

below a specified setting; prevent over-tight or loose fittings; gauge well provided with submerged drop tube extending specified distance from the tank bottom; use vapor-tight caps for liquid fill connections; install pressure/vacuum vent valves on tank vent pipes at specified setting and test initially and every three years; install a vapor-balance system that passes a static-pressure test every three years; and install dual-point (no coaxial) vapor-balance systems in new facilities or tanks, and reconstructed facilities.

OPW offers a complete line of products to meet these stringent new regulations. Incorporating these products into their UST system will allow site operators to comply with the regulations.

NEW SITES

Constructed After November 9, 2006

Immediate Compliance

EXISTING SITES

Constructed Before November 9, 2006

January 10, 2011

The Unmatched Solution from OPW.

By introducing a complete Phase 1 System from OPW into your underground storage tanks, you are taking advantage of the decades of expertise that OPW has built into its vapor-recovery equipment. OPW has assembled the necessary resources and made a 100-percent commitment to continually meet the challenges inherent in the new EPA regulations. Unmatched R&D, engineering, manufacturing, QC and customer service are landmark capabilities of OPW that continue to keep the company at the forefront of technology—enabling it to offer innovative products to keep

pace with the more stringent regulations. OPW is, indeed, uniquely positioned as the supplier of choice for the industry’s equipment needs.

Please unfold this brochure to view a poster that shows you all of the products offered by OPW to meet the new EPA standard.

National Air Toxic Standards for Gasoline-Dispensing Facilities (GDF) (40 CFR 63, Subpart CCCCC)¹

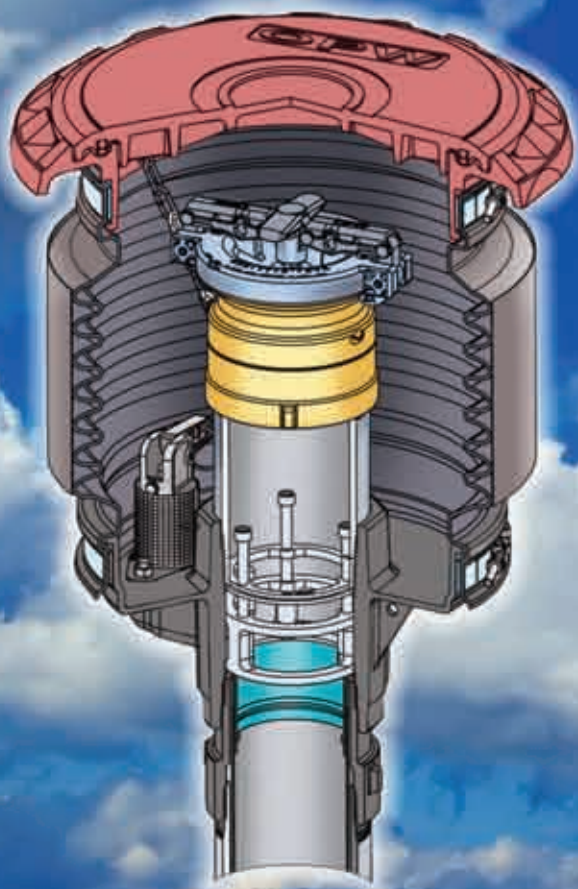
Monthly Throughput	Requirements <i>(Must be in compliance by 1/10/2011 for existing GDF, and upon startup² for new GDF)</i>	Reporting
< 10,000 Gallons	1. Minimize spills. 2. Clean up spills expeditiously. 3. Cover gasoline containers and storage-tank fill pipes with gasketed seal. 4. Minimize gasoline sent to open collection systems.	None, however must be able to demonstrate, within 24 hours of request, throughput is below 10,000 gallons per month.
> 10,000 Gallons	<i>All of the above, plus:</i> 5. For storage tanks > 250 gallons capacity, load storage tank using submerged fill with discharge that is no more than the following from the bottom of the tank: <ul style="list-style-type: none"> a) 12 inches for pipes installed on or before 11/9/2006 b) 6 inches for pipes installed after 11/9/2006 	1. Initial notification by 5/9/08 for existing DGF and within 15 days for new or reconstructed GDF ³ 2. Compliance status by 1/10/11.
> 100,000 Gallons	<i>All of the above, plus one of the below:</i> 6. Operate a vapor-balance system installed prior to 1/10/08 that meets an enforceable state, local or tribal rule or permit that requires either: <ul style="list-style-type: none"> a) Achieves an emission reduction of at least 90%, or b) Operates meeting the management practices specified below (#7). 	<i>Same as 1 & 2 above, plus:</i> 3. Keep records, report and test as specified in enforceable conditions.
	7. Operate vapor-balance system during storage-tank loadings using the following management practices: <ul style="list-style-type: none"> a) Equip connections & lines with seal closures b) Vapor-tight line from storage tank to cargo tank c) Cargo tank pressure remains below specified settings d) Designed to prevent over tight/loose fittings e) Gauge well provided with submerged drop tube extending specified distance (see item 5) from tank bottom f) Use vapor-tight caps for liquid fill connections g) Install pressure/vacuum vent valves on tank vent pipes at specified settings, and test initially and every 3 years h) Vapor-balance system must meet static pressure test initially and every 3 years i) Dual-point (no coaxial) vapor-balance systems for new GDF or tanks, and reconstructed GDF. 	<i>Same as 1 & 2 above, plus:</i> 4. Keep record of initial and every three year pressure tests.
	8. Vapor-balance system demonstrated to achieve reduction of 95% or better.	<i>Same as 1 & 2 above, plus:</i> 5. Test notification 60 days before test and after test results 180 days after testing.

1. This is a summary table; compliance will only be determined by compliance with actual rule text in 40 CFR 63, subpart CCCCC.
 2. New and reconstructed GDF constructed after 11/9/2006 must be in compliance upon startup or 1/10/2008, whichever is later.
 3. In some cases, Initial Notification and Notification of Compliance Status are not required if submerged fill and/or vapor-balance system was installed prior to 1/10/08 and meets certain prior enforceable conditions (see 63.11124(a)(3) and (b)(3)).

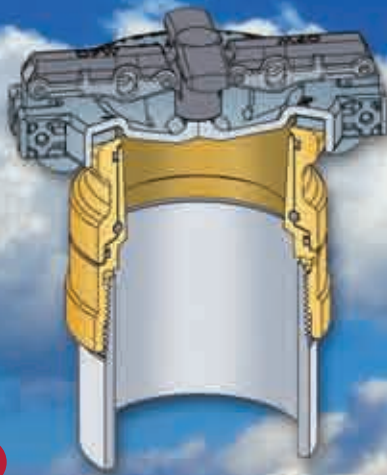
For more information on the new EPA regulation and other materials, visit www.epa.gov/ttn/atw/area/arearules.html. For more information on individual state requirements, contact you state representative at www.4cleanerair.org/contactUsaLevel.asp.

REQUIRED PRODUCTS TO MEET EPA REQUIREMENTS

1 OPW 1-2100 Series Spill Containers



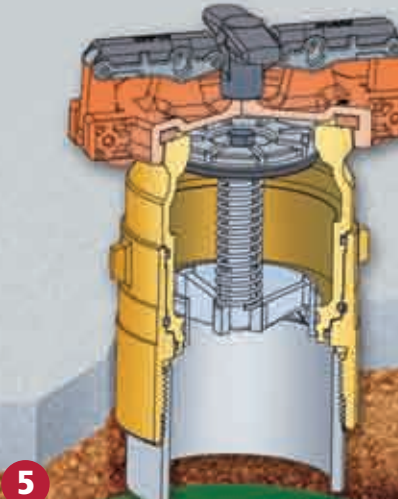
6 OPW 634TT- /634LPC VAPOR-TIGHT PRODUCT FILL CAP



4 OPW 61SA- Rotatable Swivel Adaptor – Fill Port USA Patent No. 5,664,951



7 OPW 1711T- /1711LPC VAPOR-TIGHT VAPOR-RECOVERY CAP



5 OPW 61VSA- Rotatable Swivel Adaptor – Vapor Port USA Patent No. 5,664,951

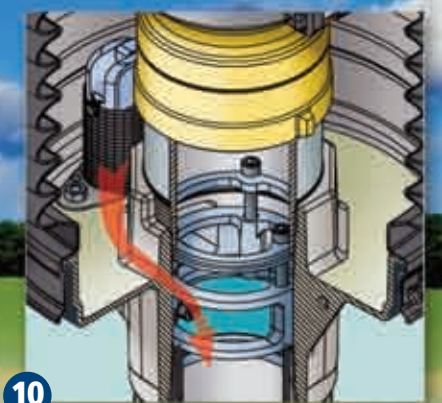
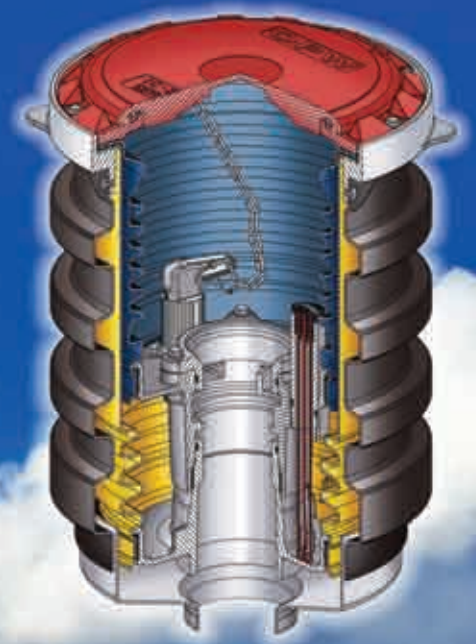
2 OPW 7150 SERIES OVERFILL PREVENTION VALVE USA Patent No. 4,986,320; 5,564,464; 5,174,345; 5,472,012; 5,850,849



8 OPW 623 PRESSURE VACUUM VENT

OTHER RECOMMENDED PRODUCTS

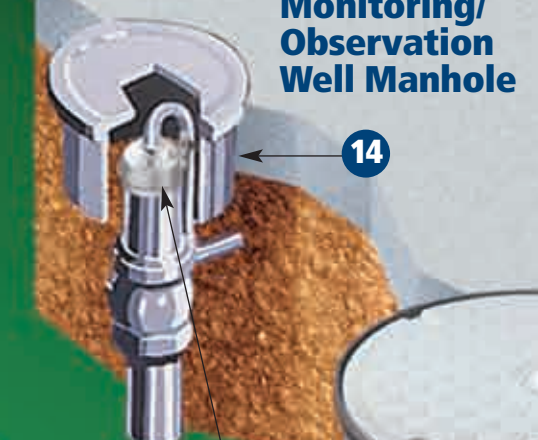
9 EDGE™ DOUBLE-WALL SPILL CONTAINER



10 OPW 61JSK Jack Screw USA Patent No. 6,523,581

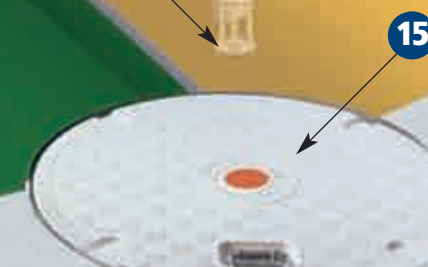


11 OPW FSA THREADED RISER ADAPTOR



14 Monitoring/Observation Well Manhole

Conquistador™ COMPOSITE COVER MANHOLE



13 OPW 62M MONITOR PROBE CAP & ADAPTOR KIT

REQUIRED PRODUCTS TO MEET EPA REQUIREMENTS

- 1 2100 Series Spill Containers (Fill and Vapor) – Certified for installation on the OPW Phase 1 system. Product fill containers feature an enhanced vapor-tight drain valve. Vapor-recovery containers feature a permanent plug in the drain port as per requirements.
- 2 7150 Overfill Prevention Valve – This dual point valve is certified for installation on the OPW Phase 1 system, per EPA requirements. The vapor-tight 7150s provide positive shutoff of product delivery before an overfill condition occurs.
- 3 61T Drop Fill Tube, Ball Float and 233 Extractor Configuration* – The OPW 53VML Ball Float, 233 Extractor and 61T Fill Drop Tube configuration can be installed as an alternative to the 7150 Overfill application on the OPW Phase 1 Vapor Recovery System.

SELECT ONE

- 4 5 Rotatable Swivel Adaptors (Fill and Vapor) – Certified for installation on the fill and vapor ports on the OPW Phase 1 system. The adaptors mate with 4" top-seal delivery elbows and feature a top section that rotates with hose movement while the bottom section remains securely in place maintaining seal integrity.
- 6 7 Vapor-Tight Caps (Fill & Vapor) – Certified for installation on OPW Rotatable Adaptors and feature enhanced ribbed seals and increased sealing forces to provide a bubble-tight seal, per requirements.
- 8 623 Pressure Vacuum Vent – Certified for installation on the top of vent pipes on USTs or ASTs. Designed to minimize hydrocarbons from leaking into the air and to control tank pressure, it has maximum allowable vapor-leak rate of 0.05CFH at 2.0 inches of water.

OTHER RECOMMENDED PRODUCTS

- 9 EDGE™ Double-Wall Spill Container – A Double-Wall Spill Container that installs into the same space as a Single-Wall Spill Container. Thread-on base for both Primary and Secondary Spill Buckets.
- 10 61JSK Jack Screw – Connects the 7150 to the base of the Spill Container allowing liquid in the spill container to drain directly into the drop tube. This isolates the drain valve from tank ullage, eliminating a notorious leak point in previous systems.
- 11 Threaded Riser Adaptor (Face Seal Adaptor) – An OPW FSA-400 Threaded Riser Face Seal Adaptor provides a flat, true sealing surface on threaded pipes for the drop tube flange on the 7150 Overfill Prevention Valves. This Face Seal Adaptor is not needed for the EDGE™ Double-Wall Spill Container.
- 12 6111-1400 Tank Bottom Protector – Installed at the bottom of the overfill-prevention valve drop tube to keep the UST from sustaining damage from erosion or tank-gauging sticks.
- 13 62M Monitoring Probe Cap – OPW 62M Monitor Probe Cap & Adaptor Kit is installed on tank riser pipes to prevent vapors from escaping or water from entering the tank.
- 14 Monitoring/Observation Well Manhole – Designed to be installed at grade level over a slotted PVC monitoring well where limited access and clear identification are essential.
- 15 Conquistador™ Composite Cover Manhole – Lightweight and extremely durable, this composite cover manhole makes sump accessibility safer and easier than ever before.

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