

EPG

CONNECTION

Your Resource For Environmental & Industrial Solutions

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Convenient Remediation Trailers

Drive it in, hook it up, and be up and running the very same day. That's the convenience built into every EPG portable remediation trailer; they're start-up ready! That means each trailer is designed and built to be safe, site-specific, and tested as a completely enclosed operating system. The trailers are then delivered with all equipment pre-mounted, piped, wired and ready for power supply and process pipe hook up. With an EPG portable remediation trailer, your installation time and costs are minimized, you get superior soil and groundwater clean up where and when you need it and when the site is cleaned up, simply move the trailer to the next location. That's convenient, especially if you require a site remediation system for multiple short and/or long term clean up projects.

Depending on your performance specifications, the equipment used in EPG remediation trailers can include oil/water separators, air strippers, vapor extraction blowers, air sparge blowers, electric submersible pumps and air compressors



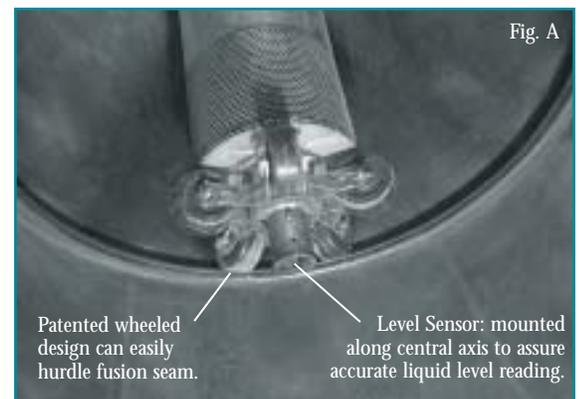
for pneumatic pump control. An EPG integrated, UL listed control panel operates all system components. Many options are available, including remote monitoring and alarm notification.

Walls and ceilings are typically insulated which help to dampen sound levels that are emitted from the operating equipment. The trailers are also equipped with both a thermostatically controlled heater and exhaust fan, as well as lights and louver vents.

Remediation Trailers: continued on page 2

Riser Pipe Fusion Seams

Have you ever experienced the "thump-bump" phenomenon when installing a leachate pump into a landfill's side slope riser pipe? You probably have if you have anything to do with leachate pump installation, maintenance and/or removal. The thumping effect occurs when the wheels or body of the leachate pump hit or bump over an inside fusion seam that was created during the installation and joining process of the riser pipes. Sometimes the fusion seams are too large or have irregular surfaces and cause the pump to catch or become lodged in the riser pipe. Needless to say, Fusion seams: continued on page 3.



If you would like more information about EPG products, services and/or capabilities, please call us at 1-800-443-7426, visit our web site at www.epgco.com or e-mail us at info@epgco.com.

Remediation Trailers: continued

For hazardous environments, all equipment and wiring is designed to be explosion-proof. The system control panel is either mounted on the front of the trailer or in a separate, partitioned room located in the front of the trailer away from the hazardous location. Air compressors and equipment that are not explosion-proof rated can also be mounted in the non-hazardous room.

EPG Remediation Trailer Advantages:

- Custom built to your performance needs
- Convenient and portable
- Efficient and effective
- Safe to operate
- All equipment is enclosed and protected (weather, vandalism, etc.)
- Equipped with superior EPG sensors and controls
- EPG provides AutoCAD drawings and complete trailer documentation*

* Unlike many manufacturers, we provide complete system documentation (i.e. O&Ms and AutoCAD drawings outlining all the major components) which helps to reduce any future maintenance and modification errors.

Because EPG is so deeply involved in the entire remediation process, we have an excellent understanding of the interconnected nature of remediation programs and can offer soundly-engineered, field-tested, cost-effective solutions to environmental pollution problems both large and small.



Control panel mounted in a separate partitioned room.

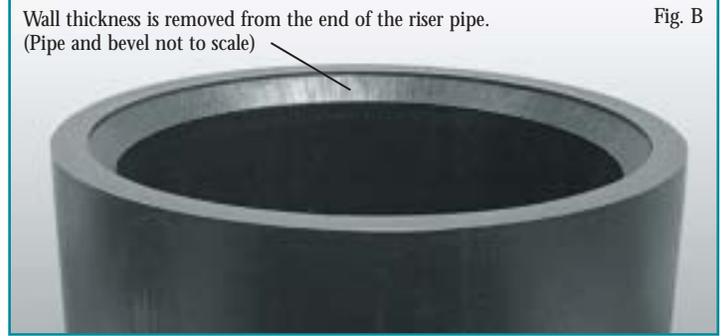
If you need a price quote or want to talk with an EPG remediation expert, please call Jim Bailey today at 800-443-7426.

Fusion Seams: continued

this can create quite an irritating, time-consuming pump installation or extraction, especially in small diameter or low-clearance applications.

This problem is seen in many landfills throughout the county. It is not practical to replace the riser pipes so in the case of currently installed side slope risers, the EPG SurePump™ Wheeled Sump Drainer provides the best solution. Why? Because the stainless steel SurePump's design (see Fig. A) places at least four wheels in contact with the riser pipe surface at all times, assuring easy installation and retrieval of the pump. If one wheel contacts an obstructing fusion seam, it is a sure bet that the SurePump can still maintain enough velocity in the wheels to bump and hurdle the obstruction. In addition, the patented submersible level sensor is mounted along the central axis of the sump drainer, protected from any possible obstruction or damage and positioned to give the most accurate liquid level reading. If you are using pumps without wheels, chances are your pumps will get stuck in the riser pipe more often, increasing pump damage, installation and removal time and/or the possibility of a dry* installation and start up.

In the case of new side slope riser pipe installations, a new pipe reaming technique is being used to reduce this problem. The technique is performed with a router. This process removes pipe wall thickness at a bevelled angle inside the end of the high-density polyethylene riser pipe and during the fusion process, internal bead formation settles in the area where the wall thickness has been removed (see Fig B). The result produces an even, concave seam inside the pipe allowing the pump to traverse the seam with less effort (see Fig C).



Although this technique increases riser pipe installation costs, it is becoming a widely accepted practice that facilitates easy pump installation/removal and pipe cleaning.

For more information on this topic, call EPG at 800-443-7426 and ask to speak with a landfill applications specialist.

* It is quite possible to think the sump drainer is fully extended to the base of the riser pipe and submerged in liquid when in fact it is only lodged on a fusion seam and still dry. In this case, overheating and pump damage may occur during start up.



EPG People...

If you've got an EPG Control Panel, chances are Ron Clasen's finger print of approval is on it. Ron has worked with EPG for over eight years and being EPG's Panel Shop Supervisor, leads a team of skilled technicians throughout the manufacturing, testing and quality control phase of all EPG control panels. Because of Ron's skill and leadership ability, the result of his influence reaches far beyond the walls of EPG as approved, long-lasting control panels are delivered to thousands of process control facilities throughout the world. We may never know the full extent of Ron's influence, but with thousands of successful installations and satisfied customers, one thing is

certain, Ron's work is great and has helped EPG to become the preferred choice for thousands of industry professionals.

Ron is married, has 4 children and one grandchild and enjoys hunting, fishing and riding horses.



Ron Clasen

Product Highlights



Interface Sensor

EPG's 4-Wire Interface Sensor, with optional mounting bracket, is a small diameter, vertically suspended, product-water-air sensor that incorporates a normally closed (N.C.) level displacement sensor (float) with normally open (N.O.) conductivity probes. The level displacement sensor floats in both water and product and can be used as either an indicator or a product pump sensor. This combination of both a level displacement sensor and conductivity probes allows the interface sensor to detect when it is positioned in product, water or air. The 2-Wire Interface Sensor is also available to detect positioning in product.



TSR900 Telemetry Radio

EPG's TSR900 Series Telemetry Radio is a reliable, compact communication package containing a license-free, spread spectrum wireless radio/modem and a RTU. This wireless radio/RTU was designed to be an extremely cost-effective solution for today's telemetry and SCADA applications. The TSR900 comes with a built-in modbus I/O module, has repeater functionality, and enables integrators to use a single device to conveniently monitor and control remote sites from a single master location. The TSR900 will eliminate the need for PLCs, trenching costs, long wire runs and phone company costs.

EPG Upcoming Events

SWANA LANDFILL SYMPOSIUM

June 21 - 25

Monterey, California

WASTECON

September 19 - 24

Phoenix, Arizona

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Landfill, Remediation, Industrial and Water & Wastewater Solutions

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