



EPG Connection

Your Resource for Landfill, Environmental, and Industrial Solutions!

www.epgco.com

1-800-443-7426

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In This Issue

- Installation is key!**
- Breakout Junction Boxes**
- EPG Sales Reps**
- Upcoming Events**

Quick Links

- [EPG Website](#)
- [Contact Us](#)
- [Request A Catalog](#)



EPG Companies Inc. specializes in the manufacture of **landfill leachate pumps & controls, sump drainers, remediation equipment, telemetry hardware and SCADA systems** and other environmental and industrial products.

Dear Mike,

Over the last 25+ years of designing Pumps & Controls systems, one thing has always proven to be a constant. Thorough consideration in the design and installation of a leachate collection system is critical and should be "Job One". The goals during the design phase of any project are quite obvious but we remind ourselves continually what they are so our focus is true.

- Identify Goals -**
- Effective collection of Leachate
 - Minimum head on liner
 - Long Life
 - Permit compliance

- Achieve Those Goals -**
- Properly sized pumps
 - Simple, reliable controls
 - Instrumentation to monitor system health



EPG's Applications Specialists can answer any questions you might have about installation best practices. Give them a call at **1-800-443-7426** or email them at info1@epgco.com.

As always, EPG welcomes your feedback. If you have any comments or questions, feel free to contact us at info1@epgco.com.

Sincerely,
EPG Companies Inc.
www.epgco.com

Installation is key!

The success of a Pumps & Controls installation begins at the design stage of each project and carries through to that very moment a new pump is cycled for the first time.

If you are the consultant, you are charged with meeting regulator requirements, fulfilling the needs of the landfill, and doing so in a cost effective manner.

As the contractor, you may not be asked to take ownership of the system but your reputation is riding on a system that functions as intended. Your attention to detail during the installation will pay off in the future.

Regional engineers and operations people don't necessarily need to become experts, but they should have a good understanding of their pumping systems and be able to provide a basic level of support or troubleshooting.



-Installation "Dos"-

- Tailor specifications to each job
- Use qualified and experienced installers & electricians
- Establish good electrical ground
- Adhere to color coding of wiring
- Design properly sized force main
- Include air release valves in force main

-Installation "Don'ts"-

- Over size pumps
 - Excessive flow rate creates high velocity in sump, pulling in fines
 - Excessive pump head can lead to overload and vibration
- Place control panel too close to riser or sump
- Forget to use seal-offs & not potting them
- Leave excess cable and hose in sump or riser

[Download our Installation Guide Here](#)



After running first few days:

- Check that adequate grounding remains
- Check voltage
- Look for signs of power surges (lightning)
- Installation problems may be traced back to:
 - Poor connections
 - Mishandled parts
 - Pump flow rate too high for sump design
 - Pumps clogged with HDPE chips or sand

After several months of service:

- Check that adequate grounding remains
- Check voltage
- Look for signs of power surges (lightning)
- Do pumps perform as expected?
- Is there noticeable Gas Effect in play (unreliable level readings)?

Call **1-800-443-7426** or email us at info1@epgco.com with your "Installation" questions.

Product Highlight - Breakout Junction Boxes

Control failure and expensive repairs, caused by landfill gasses and moisture are real and potentially dangerous possibilities. To simplify maintenance & repair and increase the safety and accuracy of your system, install EPG Breakout Junction Boxes between your pumps and control panels.



BJBGE-100B

[List of Available Models](#)

Simple, Convenient, Cost Effective

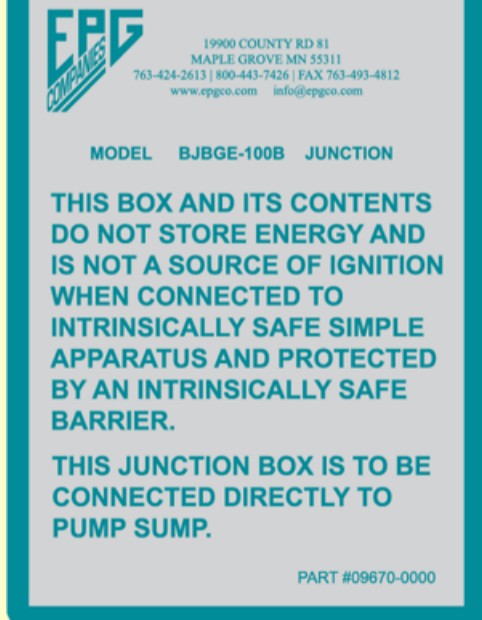
Breakout Boxes provide a simple and convenient way to disconnect power or sensor wires during maintenance and/or repair work. When used in conjunction with a properly installed seal-off, they create a gas-tight seal between the riser, well or sump and the control panel.

The label shown here is located on the door of EPG's Breakout Box Model BJBGE-100B.

It indicates features of the box and installation instructions for field personnel.

You can download a copy of the BJBGE-100B sales bulletin here:

[BJBGE-100B for Gas Effect](#)



Label for BJBGE-100B Enclosure



Seal-offs should be installed in each conduit run between riser/sump and control panel. Seal-offs are ineffective unless the damming fiber and sealing compound are in place. This is typically the responsibility of the electrician.

**Because electrical conduit threads are straight and do not seal, they should be sealed with Teflon™ tape. This does eliminate conduit as a ground so a separate ground wire must be pulled.*

Call **1-800-443-7426** or email us at info1@epgco.com for more information.

EPG Sales Reps - Ready to help you!

EPG has representation throughout the United States and Canada. We encourage you to reach out to them for advise and guidance on your next project. If you know of any qualified sales people located in states in which we are not represented that you would recommend for this role, please let us know.

Lee Supply Co., Inc. 800-876-0533
(PA, MD, WV, VA, OH, DE, NJ, NC, SC)

The Reich Company, Inc. 281-852-7206
(TX, AR, LA, MS, OK, NM)

Diamond Systems, LLC 321-223-7500
(FL, AL, GA, PR)

Pumps Plus, Inc. 248-888-9004
(Lower MI)

Environmental Site Solutions, LLC 503-539-8835
(WA, OR, HI)

Birmingham Equipment Co. 951-735-3240
(CA, AZ, NV)

BJ Associates 847-963-9575(IN) 847-398-2929(IL)
(IN, IL)

Terra Midwest Sales 903-355-3116
(KS, MO, TN, KY)

Zirco Ltd. 403-259-3303
(Canada)



Upcoming Events

2013 EPG Service School March 2013 | Registration forms for the Basic and Advanced classes are available at www.epgco.com. Call us at **1-800-443-7426** with questions.



Solid Waste Association of North America

[Forward email](#)