

In This Issue:

Understanding the Landfill Gas Effect

EPG Solutions

Got (Landfill) gas? Relief is here!



Landfill gas is a factor at all landfills. Inaccurate and unreliable level monitoring and control are often the result. We call this the "Landfill Gas Effect."

One potential effect to be aware of is the accumulation of positive pressure in the sump or riser. The presence of this positive pressure can cause level sensors to read more liquid than is actually present. The pump will start too soon and shut off too late or even run dry.

Another effect can result when negative pressure or vacuum is introduced, for example, by a landfill gas collection system. In this scenario, a liquid level reading lower than is actually present can occur, allowing more liquid to collect before the pump is turned on. In turn the pump may shut off well before the proper amount of liquid is removed.

A third and equally serious effect is when pressure fluctuates from positive to negative frequently. This pulsing can cause the pumps to turn on and off rapidly causing premature wear and increasing the potential to allow them to run dry.

In each of these cases, your system is not operating optimally and the integrity of your data can be in doubt.



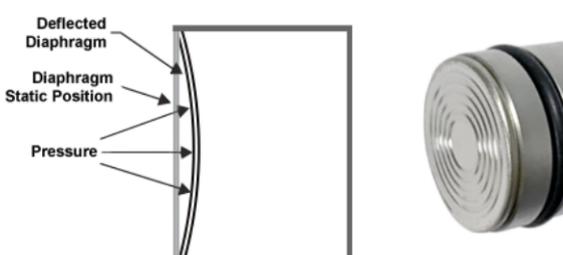
There is a **simple solution** to help combat the landfill gas effect; expose both sides of the submersible level sensor to the same gas pressure or vacuum.

We can do this by incorporating EPG's Model BJBGE-100B Breakout Junction Box (pictured) into the system.

Watch our "Landfill Gas Effect" On-Demand Webinar detailed below to learn more.

FYI

A level sensor or pressure transducer utilizes a very thin diaphragm to measure liquid levels. The force applied to the diaphragm can be amplified from positive pressure or reduced by vacuum. The result is inaccurate and unreliable level readings.



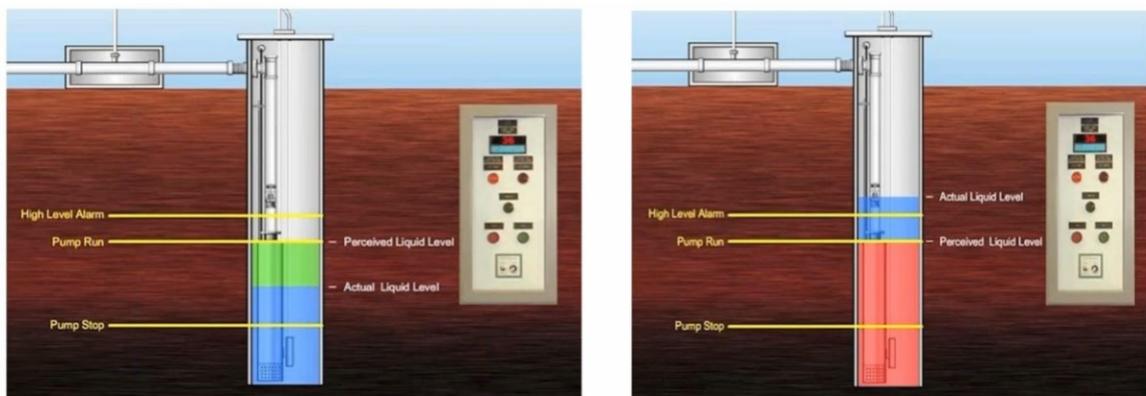
Download the [We call it gas effect; You can call it a problem](#) paper here!

EPG On-Demand Webinars

Featured On-Demand Webinar

Topic: [Landfill Gas Effect](#)
Length: **18:30**

In this video we discuss the effect of landfill gas on electric and pneumatic pumps and controls and what you can do to offset those effects.



Above: Simulation of positive and negative pressure and their effects on Level Sensor accuracy.

Watch Webinar

Consult with an Applications Specialist at 1-800-443-7426 or email us at info@epgco.com for more information about the Landfill Gas Effect.

Upcoming Events

*This list includes EPG and Sales Representative events.
This information is subject to change.*

- Mar 25-27 Oklahoma SWANA Annual Conference**
Tulsa, OK (The Reich Co. Exhibiting)
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- Mar 26-28 Wisconsin Lakes and Rivers Convention**
Stevens Point, WI (EPG Exhibiting)
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- Apr 7-10 Western Regional Symposium**
Yosemite, CA (The Reich Co. Exhibiting)
-
- Apr 20-23 TxSWANA Conference**
Austin, TX (The Reich Co. Exhibiting)
-
- Apr 29-May 1 AL/AR/GA/MS Regional Conference**
Biloxi, MS (The Reich Co. Exhibiting)
-
- Apr 30-May 1 Minnesota RAM/SWANA Conference**
Prior Lake, MN (EPG Exhibiting)
-
- May 13-15 Tennessee Environmental Show of the South**
Chattanooga, TN (The Reich Co. Exhibiting)
-
- June 2-4 TCEQ - Environmental Trade Fair and Conference**
San Antonio, TX (The Reich Co. Exhibiting)
-
- July 13-15 Missouri Waste Control Coalition**
Lake of the Ozarks, MO (The Reich Co. Exhibiting)
-
- Aug 18-20 Wyoming SWANA & Recycling Conf.**
Cheyenne, WY (The Reich Co. Exhibiting)
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- Sep 15-17 Colorado SWANA Conference**
Fort Collins, CO (The Reich Co Exhibiting)
-
- Sep 22-25 Kansas SWANA Conference**
Wichita, KS (The Reich Co. Exhibiting)
-
- Oct 22-24 Arizona SWANA Vendor Showcase**
Location TBD (The Reich Co Exhibiting)
-
- Nov 5-7 Nebraska SWANA Joint Conference**
Kearney, NE (The Reich Co Exhibiting)
-
- (TBD) Kentucky SWANA Bluegrass Chapter Meeting**
(TBD, KY (The Reich Co Exhibiting)
-
- (TBD) New Mexico Conference**
(Albuquerque, NM (The Reich Co Exhibiting)