



Danny Brevard <danny@accent-us.com>

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## Dri-sump(R) in Illinois

3 messages

Danny Brevard <danny@accent-us.com>

Fri, Oct 23, 2020 at 3:05 PM

To: "Johnson, Scott" <Scott.Johnson@illinois.gov>

Cc: "office@accent-us.com" <office@accent-us.com>, Reed Leighton <reedleighton@leightonobrien.com>

Hi Scott,

I received an email from an Illinois Contractor wanting to use Dri-sump®. He included an email from you pertaining to the alternate low level method. I am in agreement that Dri-sump® cannot be used if the method used to test a sump is the low level method per PEI RP1200-19. Obviously, Dri-sump® does not use water and the Low Level Method requires water and a completely different set of test procedures.

**However, I am assuming Dri-sump can be used to test the complete sump including the bottom, sides and penetration points IF the sensor is placed correctly upon the initial inspection and is tested per PEI RP1200-19 under section 8.3, "Sensor Functionality Test."**

As a member of the RP1200 committee, this is the functionality test used for the low level test under section 6.2 and specifically the test procedure listed under 6.6.6. The tests under section 8.3 and 6.2 are exactly the same for sensor functionality testing.

By using the Sensor Functionality Test (which I believe should be used with all sensors) and Dri-sump® to test the entire sump including bottom, sides and all penetration points, the complete integrity of the containment is tested and the sensor is completely tested. With the low level method, only the sensor is actually tested and possibly the bottom of the sump containing test water if the head pressure is sufficient to identify a leak of 0.1pgh. The sides and penetration points are only "inspected".

Also, your email mentioned a "Fire Marshall Inspection". Can you provide me with more details as to what this means?

Thanks!!!

Sincerely,

Danny Brevard; PG

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ACCENT is a Professional Geoscience Firm #50150,

UST Licensed Contractor #CR0000072 and LPST Corrective Action Specialist #CS0000068

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Johnson, Scott <Scott.Johnson@illinois.gov>

Mon, Oct 26, 2020 at 4:09 PM

To: Danny Brevard <danny@accent-us.com>

Cc: "office@accent-us.com" <office@accent-us.com>, Reed Leighton <reedleighton@leightonobrien.com>, "Bentley, James"

<James.Bentley@illinois.gov>

Danny,

Nice to hear from you again. Although by rule, we don't adopt 1200-19, we have adopted 1200-17 (it's a government rulemaking requirement). I assume Chapter 8 hasn't changed much in 1 revision? Anyway, Dri-sump can absolutely be used for the low level containment test as long as there is no obvious structural damage to the containment, the interstitial sensor has not been raised and is tested per manufacturers specifications annually.

As far as the "Fire Marshal" inspections. These are technically Operational Safety Inspections (OSI) that are required for new installations of tank and product piping. There are six inspections performed by the Storage Tank Safety Specialist (STSS). They are as follows:

1. Excavation inspection
2. Tank pressure test or vacuum verification
3. Primary piping pressure test
4. Secondary piping pressure test
5. Containment hydrostatic test
6. Final inspection

If you have any additional questions feel free to contact me anytime,



Scott R. Johnson, Statewide Administrator

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**Danny Brevard** <danny@accent-us.com>

Mon, Oct 26, 2020 at 4:23 PM

To: "Johnson, Scott" <Scott.Johnson@illinois.gov>

Cc: "office@accent-us.com" <office@accent-us.com>, Reed Leighton <reedleighton@leightonobrien.com>, "Bentley, James" <James.Bentley@illinois.gov>

Thanks Scott! I hope all is well with you. Thanks for this information and explanation! We may want to visit again in the future about new installations and pre-bury testing and how Dri-sump® will be able to test to a higher standard than water. I'll send you information when more information is available on this.

Sincerely,

Danny Brevard; PG

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