

**From:** Melton, Dale  
**To:** "James Golden"  
**Cc:** Bush, Kim; Sheree Grant; Kraus, Mary; Parker, Wanda; Amirault, Stephen; Cunningham, Randall; Levin, Laxsamee; Seth Ramaley P.G.  
**Subject:** Review of Vista Class III Landfill WACS # 87081 - MW-11A and 11B Proposed Relocation Sites  
**Date:** Friday, June 02, 2017 3:41:00 PM  
**Attachments:** 1-MPIS Vista 2016-06m - changed based on comments.docx  
image001.png  
image005.png  
Vista Landfill- Wells 11A-B.pdf  
2A1-Att A1 Well Lists Vista 2016-06.docx

---

Hello Jim,

I have reviewed the conceptual drawing with the proposed peninsula and locations for groundwater monitoring wells 11A and 11B and find this proposed location acceptable.

The MPIS, and particularly Attachment A1 of the June 1, 2016 MPIS, indicates that MW-9A, MW-9B, MW-11A, and MW-11B are: "Phase 2 – Proposed wells to be installed and sampled before Cells 5-8 are opened."

Accordingly, please proceed with the installation and sampling of these wells prior to placing waste into Cell 5.  
The June 1, 2016 MPIS, Attachment A1, and your proposed relocation map for Detection Wells MW-11A and MW-11B is attached.

Additionally, we understand that your regular drillers may be busy into June, please proceed with the well installation as soon as practical.

Cordially,

Dale Melton  
Environmental Specialist III  
Permitting and Waste Cleanup Program  
FDEP Central District  
[Dale.Melton@dep.state.fl.us](mailto:Dale.Melton@dep.state.fl.us)  
407-897-4326



**From:** James Golden [mailto:jimgolden@grovescientific.com]  
**Sent:** Wednesday, May 31, 2017 2:46 PM  
**To:** Melton, Dale <Dale.Melton@dep.state.fl.us>  
**Cc:** Rush, Kim <Kim.Rush@dep.state.fl.us>; Sheree Grant <SGrant@wm.com>; Kraus, Mary <Mary.Kraus@dep.state.fl.us>; Parker, Wanda <Wanda.Parker@dep.state.fl.us>; Amirault, Stephen <Stephen.Amirault@dep.state.fl.us>; Cunningham, Randall <Randall.Cunningham@dep.state.fl.us>; Levin, Laxsamee <Laxsamee.Levin@dep.state.fl.us>; Seth Ramaley P.G. <sramaley@wm.com>  
**Subject:** Re: Vista Class III Landfill WACS # 87081 - MW-11A and 11B Relocations

Dale,

Attached is a conceptual drawing with the peninsula for wells 11A and 11B located 50 feet from the landfill, and within Pond 5. The original locations were about 70 feet from the landfill. We plan to accurately locate these wells at the location depicted tomorrow using on -site surveyor.

Unless we can get your approval today to install the wells at this location tomorrow, the drillers will have to leave the job and are then booked thru June.

Please let me know something soon, thx, Jim

James Golden, P.G.  
Vice President  
Grove Scientific & Engineering  
6140 Edgewater Drive  
Suite F  
Orlando, FL 32810  
P: 407-298-2282  
C: 407-353-3674

On Thu, May 25, 2017 at 9:36 AM, James Golden <jimgolden@grovescientific.com> wrote:

Dale,

Your description of the proposed installation location of wells 11A & 11B on a peninsula in Pond #5 is accurate. We will provide you with a conceptual drawing prior to well installation.

However, the wells under the MPIS are required to be installed as the landfill goes into Phase 2 ( cell 5), which is currently under construction. Pond #5 will not be constructed until cell 6 is built, which is years for now. Pond #4 to the north is under construction to serve cell 5. Therefore, since pond #5 is not to be constructed now, so these wells will be installed at the future location (surveyed per the permit plans) of the peninsula, and then pond 5 constructed around them in the future. This has been done at many landfills before, as the monitoring wells commonly have to be installed prior to final stormwater pond construction. We will submit a construction level drawing of the Pond 5 peninsula to the Department's ERP section at the time of the well completion reports.

We trust that this scenario is acceptable, Jim

James Golden, P.G.  
Vice President  
Grove Scientific & Engineering  
6140 Edgewater Drive  
Suite F  
Orlando, FL 32810  
P: [407-298-2282](tel:407-298-2282)  
C: [407-353-3674](tel:407-353-3674)

On Wed, May 24, 2017 at 4:21 PM, Melton, Dale <[Dale.Melton@dep.state.fl.us](mailto:Dale.Melton@dep.state.fl.us)> wrote:

Hello Mr. Golden,

It is our understanding that you intend to install a peninsula from the east (landfill side) into pond #5 at the Vista Class III Landfill – WACS # 87081. Then you are to install detection wells 11A and 11B on that peninsula, at the designated depths in the MPIS, at a location approximately 50 feet west of the landfill footprint. You will also be submitting a revised drawing of the pond to the ERP section. Please also provide us with a drawing showing the new peninsula and planned locations of 11A and 11B.

Please proceed with the necessary construction of the peninsula as described above, and upon completion of the peninsula, proceed with the installation of 11A and 11B. Should you have further questions, please contact me by phone or by email.

Cordially,

Dale Melton  
Environmental Specialist III  
Permitting and Waste Cleanup Program  
FDEP Central District  
[Dale.Melton@dep.state.fl.us](mailto:Dale.Melton@dep.state.fl.us)  
[407-897-4326](tel:407-897-4326)



**From:** James Golden [mailto:[jimgolden@grovescientific.com](mailto:jimgolden@grovescientific.com)]

**Sent:** Wednesday, May 24, 2017 3:54 PM

**To:** Melton, Dale <[Dale.Melton@dep.state.fl.us](mailto:Dale.Melton@dep.state.fl.us)>

**Cc:** Sheree Grant <[SGrant@wm.com](mailto:SGrant@wm.com)>; Kraus, Mary <[Mary.Kraus@dep.state.fl.us](mailto:Mary.Kraus@dep.state.fl.us)>; Parker, Wanda <[Wanda.Parker@dep.state.fl.us](mailto:Wanda.Parker@dep.state.fl.us)>; Amirault, Stephen <[Stephen.Amirault@dep.state.fl.us](mailto:Stephen.Amirault@dep.state.fl.us)>; Cunningham, Randall <[Randall.Cunningham@dep.state.fl.us](mailto:Randall.Cunningham@dep.state.fl.us)>; Levin, Laxsamee <[Laxsamee.Levin@dep.state.fl.us](mailto:Laxsamee.Levin@dep.state.fl.us)>; Seth Ramaley P.G. <[sramaley@wm.com](mailto:sramaley@wm.com)>

**Subject:** Re: FW: Vista Class III Landfill- MW-11A and 11B Relocations

Dale,

In our call today, we had discussed 3 options on the location of detection wells 11A & B at the subject landfill. We have selected option # 1, the peninsula installation into pond #5. The wells would be installed approximately 50 feet west of the landfill footprint, which would put them about 20 feet east of the approved MPIS locations. A revised drawing of pond 5 showing the peninsula would be submitted to the ERP section. If this is acceptable, we will plan to install the wells at that location next week, Jim

James Golden, P.G.  
Vice President  
Grove Scientific & Engineering  
6140 Edgewater Drive  
Suite F  
Orlando, FL 32810  
P: [407-298-2282](tel:407-298-2282)  
C: [407-353-3674](tel:407-353-3674)

On Wed, May 24, 2017 at 1:10 PM, James Golden <[jimgolden@grovescientific.com](mailto:jimgolden@grovescientific.com)> wrote:

Laxsamee, Dale,

We understand that as detection wells 11A & 11B are required to be within the 100-foot ZOD for the landfill. Consequently, we are recommending to move the well locations approximately 200 feet north, to be between SW ponds 4 and 5, and within 50-60 feet of the landfill footprint (within the ZOD), see attached. We trust that this will comply with the intent of the MPIS, advise, Jim

James Golden, P.G.  
Vice President  
Grove Scientific & Engineering  
6140 Edgewater Drive  
Suite F  
Orlando, FL 32810  
P: [407-298-2282](tel:407-298-2282)  
C: [407-353-3674](tel:407-353-3674)

On Tue, May 23, 2017 at 4:07 PM, Levin, Laxsamee <[Laxsamee.Levin@dep.state.fl.us](mailto:Laxsamee.Levin@dep.state.fl.us)> wrote:

Hi, Jim:

Mary Ann, Dale and I reviewed your request to relocate the well clusters MW-11A & MW-11B 70 feet west, outside of a Stormwater pond. We will not be able to grant your request because of the following reasons.

1. MW-11A & MW-11B are designated as detection wells (see attached 2A1- Att1 Well Lists), and
2. Moving the wells 70 feet west of the original location (permitted) would put the well outside the 100-foot Zone of Discharge (see Att.B).

When the Department approved the Water Quality Monitoring Plan. We issued a Water Quality Monitoring Plan Implementation Schedule (MPIS) that both the Department and the permittee have agreed. The MPIS has a comprehensive monitoring network that have background, detection and compliance wells at specific locations. Design and excavation of the storm water pond should have been taken in consideration of the well locations and the approved site plan but it had not.

Detection wells are required in that location or within the reasonable distance to serve as a ground water detection monitoring well. Either the storm water pond is recontoured or the landfill foot print is redrawn is up to the facility. Either way you must contact Environmental Resource Program for pond recontour or solid water permitting for landfill foot print.

Keep in mind that the Department granted your request on 3/29/2017 to postpone the installation of two Floridan wells, FL-5 and FL-6 (see attached e-mail). MW-11A & MW-11B are among the wells to be monitored while the installation of the Floridan wells are postponed. There are Rapid Infiltration Basin (RIB) and houses with potable wells on the west

side of the landfill. It is not prudent to not having detection wells in this side of the landfill.

Feel free to contact me or if you need to setup a meeting to discuss this matter.

Sincerely,



Laxsamee Levin  
Engineering Specialist  
Solid Waste Permitting  
Florida Department of Environmental Protection  
Central District – Orlando  
[laxsamee.levin@dep.state.fl.us](mailto:laxsamee.levin@dep.state.fl.us)  
Office: 407-897-4313

**Permitting Consistency Initiative:** The Florida Department of Environmental Protection is committed to providing efficient, consistent and quality service to the citizens of Florida. In keeping with these objectives, we are pleased to announce ongoing improvements to our permitting process by standardizing and simplifying our documents. Last fall, the Department began issuing permitting correspondence that is formatted consistently throughout all programs. Although you may receive documents that look slightly different from past correspondence, please be assured that the content continues to be driven by applicable Rules and Statutes. As always, if you have any questions, please contact your local Department office.

**From:** James Golden [<mailto:jimgolden@grovescientific.com>]

**Sent:** Friday, May 12, 2017 3:52 PM

**To:** Levin, Laxsamee <[Laxsamee.Levin@dep.state.fl.us](mailto:Laxsamee.Levin@dep.state.fl.us)>

**Cc:** Sheree Grant <[SGrant@wm.com](mailto:SGrant@wm.com)>; Parker, Wanda <[Wanda.Parker@dep.state.fl.us](mailto:Wanda.Parker@dep.state.fl.us)>; Perez, Deborah <[dperez@wm.com](mailto:dperez@wm.com)>; Melton, Dale <[Dale.Melton@dep.state.fl.us](mailto:Dale.Melton@dep.state.fl.us)>; Kraus, Mary <[Mary.Kraus@dep.state.fl.us](mailto:Mary.Kraus@dep.state.fl.us)>

**Subject:** Re: FW: Vista Class III Landfill- MW-11A and 11B Relocations

Laxsamee,

This is to notice the Department that that monitoring wells MW-9A/B, 11A/B,14A, and 15A/B will begin to be installed at the subject landfill on May 22, 2017, pursuant to the permit condition for Phase II. Drilling is expected to take 1 week. The attached facility map shows the locations of these wells. However, MW-11A and 11B (adjacent to cell 7) had to be relocated 70 feet to the west, outside of a stormwater pond that had subsequently been re-designed. These new locations are similar to all the other new wells, that are located along the outside of the ponds. We trust that the Department will concur with this action. Please reply, Jim

James Golden, P.G.  
Vice President  
Grove Scientific & Engineering  
6140 Edgewater Drive  
Suite F  
Orlando, FL 32810  
P: [407-298-2282](tel:407-298-2282)  
C: [407-353-3674](tel:407-353-3674)

On Wed, Mar 29, 2017 at 12:38 PM, Levin, Laxsamee <[Laxsamee.Levin@dep.state.fl.us](mailto:Laxsamee.Levin@dep.state.fl.us)> wrote:

Hi, Jim:

Mary Ann Kraus has agreed to postpone the installation of the two Floridan wells, FL5 & FL6 that will be used as piezometer. The Department will wait for initial sampling test results from the new wells that will be installed in Phase II (e.g. wells clusters 9, 11,14,15). If the newly installed wells detect any constituents, the Floridan wells might need to be installed and tested prior to any cell in Phase II is used as baseline information.

If you have further questions, please feel free to contact Mary Ann Kraus at [407-897-4325](tel:407-897-4325) or at [Mary.Kraus@dep.state.fl.us](mailto:Mary.Kraus@dep.state.fl.us)

Sincerely,

Laxsamee Levin



----- Forwarded message -----

**From:** "Levin, Laxsamee" <[Laxsamee.Levin@dep.state.fl.us](mailto:Laxsamee.Levin@dep.state.fl.us)>

**To:** "P. G. James Golden ([jimgolden@grovescientific.com](mailto:jimgolden@grovescientific.com))" <[jimgolden@grovescientific.com](mailto:jimgolden@grovescientific.com)>

**Cc:** Sheree Grant <[SGrant@wm.com](mailto:SGrant@wm.com)>, "Kraus, Mary" <[Mary.Kraus@dep.state.fl.us](mailto:Mary.Kraus@dep.state.fl.us)>, "Parker, Wanda" <[Wanda.Parker@dep.state.fl.us](mailto:Wanda.Parker@dep.state.fl.us)>, "Perez, Deborah" <[dperez@wm.com](mailto:dperez@wm.com)>, "Lubozynski, Tom" <[Tom.Lubozynski@dep.state.fl.us](mailto:Tom.Lubozynski@dep.state.fl.us)>

**Bcc:**

**Date:** Wed, 29 Mar 2017 16:38:55 +0000

**Subject:** FW: Vista Class III Landfill- Floridan Wells MW-FL5, FL6

Hi, Jim:

Mary Ann Kraus has agreed to postpone the installation of the two Floridan wells, FL5 & FL6 that will be used as piezometer. The Department will wait for initial sampling test results from the new wells that will be installed in Phase II (e.g. wells clusters 9, 11,14,15). If the newly installed wells detect any constituents, the Floridan wells might need to be installed and tested prior to any cell in Phase II is used as baseline information.

If you have further questions, please feel free to contact Mary Ann Kraus at [407-897-4325](tel:407-897-4325) or at [Mary.Kraus@dep.state.fl.us](mailto:Mary.Kraus@dep.state.fl.us)

Sincerely,

Laxsamee Levin

**From:** Levin, Laxsamee  
**Sent:** Tuesday, March 21, 2017 8:58 AM  
**To:** 'James Golden' <[jjgolden@grovescientific.com](mailto:jjgolden@grovescientific.com)>  
**Cc:** Sheree Grant <[SGrant@wm.com](mailto:SGrant@wm.com)>; Parker, Wanda <[Wanda.Parker@dep.state.fl.us](mailto:Wanda.Parker@dep.state.fl.us)>; Lubozynski, Tom <[Tom.Lubozynski@dep.state.fl.us](mailto:Tom.Lubozynski@dep.state.fl.us)>; Kraus, Mary <[Mary.Kraus@dep.state.fl.us](mailto:Mary.Kraus@dep.state.fl.us)>  
**Subject:** RE: Vista Class III Landfill- Floridan Wells MW-FL5, FL6

Good morning Jim:

I forwarded your e-mail to Mary Ann Kraus, PG to review. The MPIS is written by Marjorie Heidorn, P.G. who has been retired. There are private potable wells in the east and west of the landfill and the Orange County RIB located in the southwest of the LF. There must be reasons to why the site needs Florida wells as piezometer. It does not hurt to have different geologist to look at it again. We will get back to you early April.

Regards,  
Laxsamee

**From:** James Golden [<mailto:jjgolden@grovescientific.com>]  
**Sent:** Wednesday, March 15, 2017 11:14 AM  
**To:** Levin, Laxsamee <[Laxsamee.Levin@dep.state.fl.us](mailto:Laxsamee.Levin@dep.state.fl.us)>  
**Cc:** Sheree Grant <[SGrant@wm.com](mailto:SGrant@wm.com)>  
**Subject:** Vista Class III Landfill- Floridan Wells MW-FL5, FL6

Laxsamee,

The Vista landfill is preparing to go into cells 5-8, and thus needs to install the wells highlighted on the attached map. The wells in yellow are the Floridan aquifer wells, FL5 and FL6 that were proposed in about 2004. However, in the interim the Floridan wells monitoring cells 1-4 have been approved to be water levels only ( FL1, FL2R, FL3.in blue highlight) . Therefore, we are asking not to install the Floridan wells for cells 5-8 ( FL5,FL6), unless further Floridan water levels are required.

I will call you once you have had a chance to look this over..advise, Jim

James Golden, P.G.  
Vice President  
Grove Scientific & Engineering  
6140 Edgewater Drive  
Suite F  
Orlando, FL 32810  
P: [407-298-2282](tel:407-298-2282)  
C: [407-353-3674](tel:407-353-3674)

