

## RE: Alpha Landfill - Homa Lane Soils

Douglas Schairer <Douglas.Schairer@rve.com>

Tue 1/17/2017 9:36 AM

To: Craig S. Dunwell <mayordunwell@alphaboro.org>

Cc: Stephanie Cuthbert <stephanie.cuthbert@rve.com>; Frank Seney <frank.seney@rve.com>

Craig –

No problem. The DEP requires that in order to characterize the soil at the donor site (Homa Lane) you will need to take a certain quantity of samples depending on how many cubic yards you are bringing in. The regulations require that each of these samples is analyzed according to published guidance. In the “Fill Material Guidance for SRP Sites” it states that:

“It is expected that donor material will be analyzed for the Target Analyte List (TAL) / Target Compound List (TCL) plus 30 and Extractable Petroleum Hydrocarbons (EPH)”

So:

(TAL) is Target Analyte List

- Volatile Organic Compounds (VOCs) and Base Neutrals (BNs)

(TCL) is Target Compound List

- Generally Metals
- 

(plus 30) is 30 non-targeted compounds that the lab will report according to the Environmental Protection Agency (EPA) regulations in effect when the laboratory runs the sample.

(EPH) is Extractable Petroleum Hydrocarbons

- Oil and Gas related

These are just acronyms so us geeks don't have to write it out every time.

Depending on what the material from Homa Lane is, it may need to be included in the Beneficial Use Determination (BUD). If the material is construction and demolition material or recycled concrete then I will need to contact the DEP and see if it needs to be included in the BUD for the site. If there are no contaminants at Homa Lane and the soils are naturally occurring, the material will qualify as clean fill and can be imported once sampled.

I hope this helps clear some things up and I didn't confuse anything further. Please let me know if you need any other clarifications.

Thanks

Doug

Douglas J. Schairer, P.G., LSRP

**Remington & Vernick Engineers, Inc.**

Phone: (732) 955-8000, ext. 1902

Fax: (732) 591-2815

Cell: (609) 680-8825

[www.rve.com](http://www.rve.com)**From:** Craig S. Dunwell [mailto:[mayordunwell@alphaboro.org](mailto:mayordunwell@alphaboro.org)]**Sent:** Tuesday, January 17, 2017 7:03 AM**To:** Douglas Schairer**Cc:** Stephanie Cuthbert; Frank Seney**Subject:** FW: Alpha Landfill - Homa Lane Soils

Doug,

Could you please translate the below from geekese into English?

*"They will need to analyze for TAL/TCL plus 30 and EPH."*

Thanks,

Craig.

-----Original Message-----

**From:** "Stephanie Cuthbert" <[stephanie.cuthbert@rve.com](mailto:stephanie.cuthbert@rve.com)>**Sent:** Tuesday, January 17, 2017 5:56am**To:** "Craig S. Dunwell" <[mayordunwell@alphaboro.org](mailto:mayordunwell@alphaboro.org)>**Cc:** "Frank Seney" <[frank.seney@rve.com](mailto:frank.seney@rve.com)>, "Douglas Schairer" <[Douglas.Schairer@rve.com](mailto:Douglas.Schairer@rve.com)>**Subject:** FW: Alpha Landfill - Homa Lane Soils

Craig –

Below is regarding using soils from Homa Lane project. As noted, you have to take samples. I have asked Doug for a price / sample so we can see the approx.. costs. I suspect it will still be cheaper than paying for disposal of Homa spoils. I also believe you can test in-situ before beginning excavation. More to follow....

---

**Stephanie Cuthbert, P.E., C.M.E.**

Senior Associate

Remington &amp; Vernick Engineers, Inc.

232 Kings Highway

Haddonfield, NJ 08033

856-795-9595 x 1067 (office)

856-429-5904 (fax)



**From:** Douglas Schairer  
**Sent:** Monday, January 16, 2017 8:32 AM  
**To:** Stephanie Cuthbert <[stephanie.cuthbert@rve.com](mailto:stephanie.cuthbert@rve.com)>  
**Subject:** RE: Alpha Landfill

They can use fill from another property but will need to test it in accordance to NJDEP’s clean fill guidance. They will need to analyze for TAL / TCL plus 30 and EPH. The sampling frequency is below:

| <b>Table 1: Sampling Frequency<br/>Guide for Alternative Fill<br/>Proposed Volume</b> | <b>Default Sampling<br/>Scheme<br/>without<br/>justification</b> | <b>Reduced Sampling<br/>Scheme with<br/>justification</b> |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|
| (Cubic Yards)                                                                         | (Samples)                                                        | (Samples)                                                 |
| 0 to 20                                                                               | 1                                                                | 1                                                         |
| 20.1 to 40                                                                            | 2                                                                | 2                                                         |
| 40.1 to 60                                                                            | 3                                                                | 2                                                         |
| 60.1 to 80                                                                            | 4                                                                | 2                                                         |
| 80.1 to 100                                                                           | 5                                                                | 2                                                         |
| 100.1 to 200                                                                          | 6                                                                | 3                                                         |
| 200.1 to 300                                                                          | 7                                                                | 3                                                         |
| 300.1 to 400                                                                          | 8                                                                | 4                                                         |
| 400.1 to 500                                                                          | 9                                                                | 4                                                         |
| 500.1 to 600                                                                          | 10                                                               | 5                                                         |
| 600.1 to 700                                                                          | 11                                                               | 5                                                         |
| 700.1 to 800                                                                          | 12                                                               | 6                                                         |
| 800.1 to 900                                                                          | 13                                                               | 6                                                         |
| 900.1 to 1,000                                                                        | 14                                                               | 7                                                         |
| 1,000.1 to 2,000                                                                      | 15                                                               | 8                                                         |
| 2,000.1 to 3,000                                                                      | 16                                                               | 9                                                         |
| 3,000.1 to 4,000                                                                      | 17                                                               | 10                                                        |
| 4,000.1 to 5,000                                                                      | 18                                                               | 11                                                        |
| 5,000.1 to 6,000                                                                      | 19                                                               | 12                                                        |
| 6,000.1 to 7,000                                                                      | 20                                                               | 13                                                        |
| 7,000.1 to 8,000                                                                      | 21                                                               | 14                                                        |
| 8,000.1 to 9,000                                                                      | 22                                                               | 15                                                        |
| 9,000.1 to 10,000                                                                     | 23                                                               | 16                                                        |
| 10,000.1 to 11,000 *                                                                  | 24                                                               | 17                                                        |

\*With volumes greater than 10,000 cubic yards, the sampling rate is 1 per additional 1,000 cubic yards. The sampling frequency may be reduced with appropriate justification, and does not require Department pre-approval.  
This includes departure from the default or reduced sampling frequencies.

Let me know if you have any other questions.

Thanks  
Doug

Douglas J. Schairer, P.G., LSRP  
**Remington & Vernick Engineers, Inc.**  
Phone: (732) 955-8000, ext. 1902  
Fax: (732) 591-2815  
Cell: (609) 680-8825  
[www.rve.com](http://www.rve.com)

DISCLAIMER: This message and any documents attached contain confidential information and are intended only for the individual(s) named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail and any attached documents. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. E-mail transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission. If verification is required please request a hard-copy version. Remington & Vernick Engineers, Inc., 232 Kings Highway East, Haddonfield, NJ 08033, [www.rve.com](http://www.rve.com).

DISCLAIMER: This message and any documents attached contain confidential information and are intended only for the individual(s) named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail and any attached documents. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. E-mail transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission. If verification is required please request a hard-copy version. Remington & Vernick Engineers, Inc., 232 Kings Highway East, Haddonfield, NJ 08033, [www.rve.com](http://www.rve.com).