

## Khatri, Paresh, Env. Health

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**From:** Khatri, Paresh, Env. Health  
**Sent:** Thursday, October 01, 2009 4:00 PM  
**To:** 'Greg Johnson'  
**Subject:** RE: 2855 Mandela Parkway

Hello Greg,

Based on your e-mail, your request to use helium as a tracer gas instead of isopropyl alcohol is acceptable. Please ensure that all other sampling protocols are in accordance with applicable DTSC and Regional Board guidelines.

Sincerely,

Paresh C. Khatri  
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<http://www.acgov.org/aceh/lop/lop.htm>

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**From:** Greg Johnson [mailto:[gejohnson@treadwellrollo.com](mailto:gejohnson@treadwellrollo.com)]  
**Sent:** Friday, September 18, 2009 8:57 AM  
**To:** Khatri, Paresh, Env. Health  
**Cc:** Patrick B. Hubbard; Louis Arighi  
**Subject:** 2855 Mandela Parkway

Hi Paresh,

I wanted to send you an email to bring you up to date on the current status of the 2855 Mandela Parkway project.

Initial soil vapor sampling was completed in April of 2009. The tracer gas was Isopropyl alcohol (Isopropyl), and was found at elevated levels in the results. Discussing this issue with the laboratory, it appears that Isopropyl is commonly found in samples and that helium is a likely to be a more practical tracer gas. As you probably know, a workshop on the 2009 Active Soil Gas Advisory was held in June of this year. An interesting note from the workshop included a presentation on new sampling considerations for Department of Toxic Substances Control (DTSC) vapor intrusion process, where it was presented that small helium leaks (< 5%) are acceptable because at this level helium in the sample doesn't result in analytical dilution to raise the reporting limit.

As a result, we re-tested the location where we had the highest Isopropyl concentration in the sample, using helium as our tracer gas. The helium was present in the sample at a concentration of 0.27%, an order of magnitude lower than the preliminary 5% criteria.

Because helium is likely a more practical tracer gas, we plan to use helium rather than isopropyl.

Respectfully

Greg Johnson, REA I  
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