

**Krabacher, Jay**

081-66721



02053984

**From:** Gary Webber [gwebber@nwccusa.com]  
**Sent:** Wednesday, August 25, 2010 8:39 AM  
**To:** Krabacher, Jay; Andrews, David  
**Cc:** Ellsworth, Stuart; 'Brian Len'  
**Subject:** RE: Colorado Northwestern Community College - Craig Campus - Well

Good Morning Jay,

I visited the construction site at Craig Campus yesterday and conducted PID scanning for VOCs and methane. Areas scanned include the well and disturbed vicinity including utility trenches, building foundations, and elevator shaft. Prior to conducting the scan, the PID was calibrated to a gas standard in accordance with manufacturer instructions. No response of the PID was observed. The wellhead appeared competent as well.

In accordance with our discussion, the site superintendent and I discussed providing ventilation for the area beneath the building slab in the well vicinity. Based upon my site visit and to clarify your e-mail, recommended activities include the following.

Two passive air vents will be installed in the well vicinity from beneath the slab and will vent to above the building roof line. The vent will include a cleanout port where air monitoring can be conducted if necessary. The intent is to create air movement similar to a chimney flue. In the event that active ventilation is required, the vent will be installed in a manner where a radon or similar type fan can be placed to provide ventilation.

An access will be placed around the well head. Subsequently, gravel will be placed around the access and floor area. A vapor barrier will be placed above the gravel sub-base. The vents will be installed and terminate at the roofline. Two-inch thick foam board will be placed atop the access and only a thin concrete finish layer placed above the wellhead in order to gain access if needed. Based upon the building plans, the gravel layer is expected to provide some degree of passive venting as well.

If you have questions, please do not hesitate to contact me.

Regards,

Gary

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**From:** Krabacher, Jay [mailto:Jay.Krabacher@state.co.us]  
**Sent:** Tuesday, August 24, 2010 12:10 PM  
**To:** Andrews, David  
**Cc:** Ellsworth, Stuart; gwebber@nwccusa.com  
**Subject:** RE: Colorado Northwestern Community College - Craig Campus - Well

Dave:

I just finished a conversation with Gary Webber, with NWCC (Environmental firm – not to be confused with the college, CNCC).

“Long story, short” is: they are planning to do venting very similar to what you proposed yesterday. That, and the fact that they are not going to intercept or mess with the wellbore, simplifies things for us – and them. Since there is (so it appears right now) no work with the actual wellbore itself, they don’t have to register as an O&G Operator and the other steps/procedures which that implies.

Mr. Webber said that they are going to recommend to the construction firm to fill in the area around the wellhead with gravel, ensure that there is a vapor barrier under the floor of that part of the building, and install an air pump (like a