

## Johnson, Bill H (DNR)

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**From:** Peter J. Hinck <[REDACTED]>  
**Sent:** Wednesday, August 08, 2012 10:01 AM  
**To:** 'Fred Marinelli'; Cory D. Anderson; Tina Pint  
**Cc:** Carlson, Erik (DNR); 'David Blaha'; 'Melinda Todorov'; 'Al Trippel'; 'Paul Haby'; 'Jim Scott ([REDACTED])'  
**Subject:** RE: CVs

Fred,

I realized this morning that I neglected to add the calculation points that we discussed on the upstream and downstream ends of the non-West Pit surficial flowpaths. I will add those to the flowcharts and the outputs; please let me know if anything else in the marked-up pdf does not match your understanding.

Thanks,  
Peter

Peter J. Hinck, PE

Water Resources Engineer

Minneapolis office: [REDACTED]

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**From:** Peter J. Hinck  
**Sent:** Tuesday, August 07, 2012 6:35 PM  
**To:** 'Fred Marinelli'; Cory D. Anderson; Tina Pint  
**Cc:** Carlson, Erik (DNR); David Blaha; Melinda Todorov; Al Trippel; Paul Haby; Jim Scott ([REDACTED])  
**Subject:** RE: CVs

Fred and Paul,

Please review the attached set of marked-up flowcharts for the Mine Site control volumes. These are:

1. Category 1 stockpile (delivered)
2. West Pit (delivered)
3. WWTF
4. East Pit upper porewater
5. West Pit surficial flowpath
6. Partridge River from SW-003 to SW-004a

Please confirm that this set of control volumes and associated calculation points meets your understanding based on our conversation this afternoon. It is my understanding that this set likely represents the full suite of control volumes that will be set up for this phase of the Task 2 QA.

Thanks,  
Peter

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**From:** Fred Marinelli [[mailto:\[REDACTED\]](mailto:[REDACTED])]

**Sent:** Monday, August 06, 2012 3:24 PM

**To:** Peter J. Hinck; Cory D. Anderson; Tina Pint

**Cc:** Carlson, Erik (DNR); David Blaha; Melinda Todorov; Al Trippel; Paul Haby; Fred Marinelli

**Subject:** CVs

Cory and Peter,

The Agencies and ERM asked me to put together figures showing all the CVs that can be defined for the Mine and Plant Sites. These are shown in the attached pdf with annotations. Discussions are required to prioritize the CVs and determine which ones will be set up for the current (first) phase of Task 2 QA.

Regards,

Fred

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**Fred Marinelli**

Senior Groundwater Hydrologist

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