Meeting Minutes

Date: October 29, 2012

Subject: Critical Material Handling/Lift Plans

Location: Project Office Conference Room A

Attendees: Steve Taras – Health Physics
Scott Stafford – Health Physics
Amy Gottschling - Kinectrics
Peter Moore – OPG Projects
Chris Wood – Environment
Ian Hartford - Environment
Larry Berti – Ellis Don
Bruce Smith – Black & McDonald
Salima Jaffer – PGL
John DeWilde – PGL
Elio Fracalanza – Refurbishment Operations

Agenda:

The D2O Project is currently preparing for day lighting and bulk excavation to support construction of a new D2O Storage facility. The soil removal is scheduled to begin early in the new year. **Excavated soil is expected to be approx 16,500 m^3, plus excavated bedrock approx 4,500 m^3**. Both of those figures take into account de-compaction when removed from the ground. The purpose of this meeting is to start discussions with the EPC vendor on how to support and execute this work. Specifically, the project would like to discuss:

1. Soil and ground water sampling requirements for incorporation into the environmental plan
2. Possibility of doing in situ borehole sampling prior to excavation
3. RP requirements during excavation and prior to releasing the soil

Minutes:

- B&M indicated their plan was to daylight 2,000 m3 (approx 7-m depth) to remove buried services, and that soil would be stored temporarily within the PA, then returned to the hole in order to install caissons.
- B&M/EllisDon is to outline a plan for temporary storage of this soil (how much, when, etc) and OPG Projects will attempt to secure the area west of Unit 4 through Campus Plan.
- B&M/EllisDon asked if soil samples “stale date”. This issue has not been addressed by Health Physics before, however it was agreed that if there is no additional contaminant introduced to the site, a rule of thumb would be 18 months as per MOE Record of Site Condition regulations.

- Sample requirements – Reg 347 requires one sample only (conventional contaminants). Reg 153-4 would require 75 samples. Steve Taras did not see an issue with that number, but needs to check with Whitby office.
- It was agreed if in situ testing is done, no CTP requirement for each soil shipment. Although, trucks themselves need to be scanned as per normal security / rad protection process.
- Use of the CSA N292.5-11 standard (2.7 uCi/L limit) was discussed. If MOE agrees, there is a willing recipient, and OPG senior management agrees, this would be an option. This issue is currently with Raphael Macalla (Corporate Environment).
- Larry B. offered to approach a "willing recipient" with proper framing of the issue provided by OPG. First this needs to be cleared with Raphael McCalla – Chris Wood to follow up.

Actions:

1. **Steve Taras** to check with Whitby office re: acceptability of in situ 75 sample proposal.
2. **Chris Wood** to check with Raphael McCalla if OPG can authorize B&M/Ellis Don to approach a willing recipient.
3. **Peter Moore** to provide Larry Berti an email outlining the proper information to approach willing recipient, if cleared by Raphael.
4. **Peter Moore** to forward Bruce Q2 & Q3 data from the IWST ESA Phase II Project for PGL.
5. **Bruce Smith** to provide Peter a proposal for temporary storage of daylighted soil inside the PA.