

WEST QUESNEL LAND STABILITY ADVISORY COMMITTEE

MINUTES

Wednesday, April 29, 2009 @ 7:00 pm
Fraser Room, City Hall

Advisory Committee: Councillor Mike Cave, Heinz Loelke, Marty Put, Mel Dunleavy, Archie Hlady, Cynthia Bernier, Duane Sauve
Staff: Public Works Director Jack Marsh, Communications Supervisor Matt Wood, Communications Clerk Carol Anderson
Special Guests: Nick Polysou - AMEC Earth & Environmental, Matt Davis and Rick Collins – URBAN Systems

1 Introductions

Councillor M. Cave called the meeting to order at 6:55 pm and welcomed new member Duane Sauve.

2 Adoption of Minutes

MOVED H. Loelke, Seconded M. Put and resolved: THAT the minutes from the meeting held on June 25, 2008 be adopted.

CARRIED

3 Business Arising from Previous Minutes

- (a) **Funding for Private Property Damage** – J. Marsh has been busy working on the drainage plan at this time however, he will continue to pursue precedents from other models such as Kamloops.

4 New Business

- (a) **West Quesnel Land Stability Program Update** – J. Marsh provided an update on the progress of the Program since last June, 2008 in particular, their visit with Premier Campbell. Several items of correspondence in this matter have been exchanged to date.
- (b) **2008 Monitoring Results** – N. Polysou conducted a presentation outlining the 2008 Geotechnical/Hydrogeological (Trial Dewatering) Program Summary, 2008 Annual Monitoring Results and the 2009 Full Scale Dewatering.

Trial Dewatering (reported in May, 2008) resulted in the following recommendations:

- proceed with design and construction (phased) of a full scale dewatering program;
- utilize horizontal drains across the lower/eastern portion of the landslide area;
- utilize pumping wells across the upper/middle portion of the landslide;
- continue and enhance long term monitoring.

Full Scale Dewatering (2009 – 2010) included the following recommendations:

- horizontal drains across the lower/eastern portion of the landslide area (10 locations);
- pumping wells across the upper/middle portion of the landslide (14 wells);
- monitoring package;
- service package (property access, site construction, power, outfalls);
- \$3.5 m over two calendar years (requires funding);
- supporting storm drainage infrastructure (requires funding);
- continue / enhance monitoring;
- carrying out pre-construction final design activities in preparation for potential budget approval for full scale implementation.

This piece of the program is designed to get the subsurface water out of the ground. The Drainage Plan is designed to limit the amount of surface water getting into the ground.

Discussion on the location of the wells. R. Collins distributed a map showing the location of both the horizontal drains and pumping wells as they relate to the need to connect to storm drainage.

Drainage Plan continued with R Collins. The main reasons for this Drainage Plan are to take water off site, not allow public water to flow into ponds, take care of flooding issues and place pipe that is suitable for the long term. It will also assist in redirecting water to the storm drains.

The City will also be looking at metering homes as a means to monitor water consumption. There will be no charge to the residents as this is strictly a means of monitoring. R. Collins presented a map showing the pressure zones and zone flow meter locations in the area as part of the Watermain Leak Detection Program.

Members questioned the costs for ongoing monitoring and maintenance once all of the programs (dewatering and storm drain) and infrastructure have been completed. A conceptual estimate of the increase in operating and maintenance costs related to maintaining the wells is \$35,000 per year to service the pumps, electrical, etc. This amount did not include replacement or ongoing movement monitoring and needs to be confirmed as the program progresses. N. Polysou said there was a possibility that monitoring efforts could be adjusted and/or reduced over time depending on the results of the program and long-term weather patterns. AMEC is going to attempt to get some information from the City of Kamloops with regards to their ongoing operational/maintenance costs for the Aberdeen slide area.

R. Collins indicated that \$8.4 m is the estimated cost to construct the drainage infrastructure and install the flow monitoring equipment.

- (c) **Building Canada Fund Application** – On March 20, 2009, application was made to the Building Canada Fund for \$11.9 m. This grant is shared equally among the federal, provincial and municipal governments, each contributing one-third of the total grant. The City of Quesnel’s share is \$4 m.

M. Davis provided clarification on the requirements of this application.

M. Dunleavy questioned where the City’s \$4 m is going to come from. J. Marsh indicated that a portion of the money will have to be borrowed and a portion will come from surplus. He further indicated that the borrowed money may need to be approved through a referendum.

There is \$150,000 currently in the Operations budget to continue ongoing monitoring. There is also \$62,000 set aside for final design and cost estimates.

- (d) **Communications** – M. Wood provided copies of the updated Backgrounder, Fact Sheet and FAQs.

Members indicated that this final information warranted a public meeting. Tentative dates were discussed for early June.

5 Other Business

Members D. Sauve and A. Hlady asked for an electronic copy of the lidar map previously done by AMEC and distributed at the last meeting.

6 Correspondence

Correspondence was received.

7 Adjournment

MOVED M. Put THAT the meeting be adjourned at 8:36 pm.

CARRIED

cc: City Council