

**Canexus-ERCO Worldwide-UNIVAR-Terrapure Environmental  
North Shore Community Advisory Panel (CAP)  
MEETING SUMMARY NOTES  
North Shore Emergency Management (NSEM), 147 E. 14th Street  
5:30 pm Dinner/Meeting 6:00 pm to 8:00 pm  
Tuesday, February 16 2016**

**Attendance:**

Tom Miller, ERCO Worldwide  
Rob Schultz, Canexus  
Tony Gutenberg, Canexus  
Afsaneh Zaeri, ERCO Worldwide  
Dan Cantafio, Terrapure Environmental  
Doug Allan, District of North Vancouver  
Patricia Banning-Lover, Wild Bird Trust  
Dorit Mason, NSEM  
Cindy Jeromin, Port Metro Vancouver  
John Miller, Lower Capilano Residents  
Association  
Bruce McArthur, Resident  
Alex McNeil, Blueridge Community  
Association  
Dave Mair, Resident  
Calvin Tran, Miles Industries

**Regrets:**

Chris Parent, Terrapure Environmental  
Robin Lee, Univar  
Rick Denton, Canexus  
Katie Gaydon, Resident  
Lisa Richardson, Resident  
Val Hammerberg, Resident  
Malcolm Chaddock, TaliesinWorks  
Chris Bond, Miles Industries  
Cathy Brydon, Resident  
Richard Beard, Wild Bird Trust

**1. Introductions**

CAP members introduced themselves and welcomed new members.

## **2. Review of November Meeting Notes**

Daniela clarified some points about the earthquake risk prevention presentation last meeting:

-DNV earthquake ready action plan is online and shows what DNV and NSEM will be doing in response to the earthquake study.

-Online resource for business is the business and employer's emergency program guide, which is on the NSEM website (nsemo.org)

-The major exercise was facilitated by NSEM although DNV was a significant player.

-The study Fiona Dercole presented was not a provincial study. The information that the province is not prepared is from the Auditor's General Report in 2013.

-More information can be found at [dnv.org/earthquake](http://dnv.org/earthquake)

## **3. CAP Communications Update**

- a) To address CAP members' concern over the visibility of CAP information online, the facilitator suggested using existing websites as a vehicle for communication. This could include NSEM – the suggestion was to have a link on the NSEM site to the DNV site where the CAP information would be stored. Daniela will follow up with DNV.
- b) The suggestion was made to have a welcome package for new CAP members. This would include information on each of the companies, the District as well as the community associations. Stakeholders agreed to send the facilitator the information to compile by the end of March 2016.
- c) Another suggestion was to have one or two company tours each year in conjunction with hosting a CAP meeting. Canexus has offered to host the first tour at the April meeting. The meeting would then start at 6pm and dinner would be eaten during the meeting. ERCO offered to host the first meeting of the next CAP season and provide a plant tour in September 2016. The Port also offered to host tours for interested members. Daniela will include this in the email to all CAP members so interested people can contact her about it.

## **4. Reports from the Companies:**

### **a) Canexus**

Rob Schultz reported that they have had no safety incidents or environmental reportables since the last CAP meeting. Their caustic modernization project has been completed resulting in the use of a more efficient boiler with reduced emissions. In December, a renewed 10 year permit was issued from Air Metro Vancouver reflecting this.

The company is looking at potential recycling of their waste brine solids streams currently going into landfill and will keep CAP updated on progress.

Canexus successfully used Rapid Notify to alert immediate neighbours to Horn testing 10 minutes prior. They will also now use this to notify neighbours of minor incidents more quickly and precisely. Their major incident procedure remains the same.

Plant operations have been impacted by weak markets in the North American chlor-alkali industry and this trend will likely continue.

A television crew used a piece of the company's property for filming. Canexus agreed on condition they donated to a community organization and presented Patricia from the Wild Bird Trust with the \$500 donation at the CAP meeting!

#### **b) ERCO Worldwide**

Tom Miller reported that the plant is participating in a BC Hydro Curtailment trial program and had been curtailed 388 hours since the beginning of November.

There have been 1000 days since the last environmental reportable incident, as of February 9<sup>th</sup>. ERCO will undergo its seventh Responsible Care verification in mid-April. Auditors will visit the Quebec plant and head office in Toronto and auditing of the North Vancouver site will take place via conference call. The report will be available to the public later in the year.

#### **c) Univar Canada**

In Robin Lee's absence, no Univar report was provided at the meeting. However, the report is attached for members' reference.

#### **d) Terrapure Environmental**

Dan Cantafio reported that as the company refines used oils, their operations have not been negatively impacted by the oil industry challenges. They have had their 5000<sup>th</sup> day without lost time injury. This is for a plant with 30 people per day onsite. They have also met or exceeded all of their hazardous waste regulations. In response to a member question about potential future expansion, Dan clarified that they have now had one year as Terrapure and prior projects are currently being revised.

### **5. Company Report Format Review**

After hearing the company reports, the report format going forward was finalized.

Reports will include the following information wherever applicable:

*Safety Environmental*

*Operations*

*Projects*

*Responsible Care*

*Community Involvement* (this was added after the discussion in section 6).

### **6. NSEM Update**

Dorit gave a presentation on the Earthquake Exercise performed on 16 November 2015.

This was the biggest exercise conducted to date on the North Shore (and also Metro Vancouver) and took place from 8am to 3:30pm. The exercise involved multi-agency

coordination. NSEM was instrumental in developing a mobile app for rapid damage assessment.

The exercise scenario was based on a modelled, credible 7.3 shallow earthquake in central Georgia Strait. A significant damaging earthquake impacting Greater Vancouver has the potential to damage buildings and infrastructure and, possibly, geographically isolate and segment the bridge-dependent North Shore. Damage assessment and situational awareness were key objectives of the exercise.

Emergency management professionals from BC and elsewhere observed the exercise as part of a pre-conference workshop for the international Emergency Planning and Business Continuity Preparedness Conference held in Vancouver.

The exercise included the full activation of the North Shore Emergency Operations Centre (EOC) and involved tactical field response as well as air and marine components. Over 50 stakeholder agencies participated in the exercise. For example Vancouver's Heavy Urban Search and Rescue (USAR) participated, moving equipment by barge to the North Shore, Canadian Coast Guard brought a Hovercraft to Ambleside as well as Royal Canadian Search and Rescue (North and West Van divisions), CN Rail, Canexus, and Emergency Management BC. Univar participated with a Hazmat scenario with a chemical fire and involved the fire department hazmat response.

Successes: it was the most significant exercise ever conducted on the North Shore; there was multi-agency participation which facilitated relationship building; experiential learning for staff and volunteers; testing of new techniques.

The next steps planned are to expand and refine training opportunities for staff and volunteers and finalize North Shore Damage Assessment (this will be a guideline as they would like industry to do their own!).

There was a question as to whether NSEM had discounted the possibility of a tsunami. There is a report on the NSEM website about this. In the interim, a member has raised further questions and Dorit provided clarification which was emailed out to all CAP members.

The idea would be to plan the Marine Highway or "boat lift" concept here. You can see this in action during 9/11 on Youtube.

Dorit mentioned the Quake Cottage which will be held on May 4<sup>th</sup> in the Maplewood area to provide a simulation of what to expect in an earthquake situation. NSEM is requesting that industry give staff time to visit this. There was discussion around a suitable location for this to ensure visibility and Patricia suggested the concrete pad on Dollarton Highway.

**Volunteers may be needed to assist in providing information at the event. Please contact Daniela if you would be interested in being involved.**

Dorit noted that NSEM would set up reception centres if a big disaster was to occur. People would be able to go there to get food and shelter. A question was asked regarding the RCMP building where the EOC is located. The building is on a generator and has a week's worth of fuel. It was built in 1996 so is up to modern building standards and is earthquake resistant. .

Dorit clarified that in the event of a chlorine spill, it would be safer to shelter in place (or 'stay inside') to stay out of the exposure zone.

CBC would be the official emergency broadcaster, with the Weather Network the official emergency channel. There would be an “Alert Ready” which people can subscribe to.

Dorit also mentioned that NSEM is hiring a graduate student to do business emergency preparedness for small to medium sized businesses starting mid-May and will be doing outreach.

## **7. CAP Outreach**

NSEM is already doing public education for emergency preparedness and uses volunteers who are trained in this area. Day long events could be a place for a CAP orientation package for the general public to be provided.

Dorit mentioned that the public is not so interested in emergency preparedness, there is a 6 week window after something happens that needs to be capitalized on. The challenge is getting people interested in something unlikely to happen soon.

At the upcoming Quake cottage, there could be a CAP table. It’s important for employers to allow staff to participate.

CAP members can also take information back to any committees they are a part of.

Community Association perspective – encouraging residents to be personally prepared. Emails could be sent to Block Watch groups.

NSEM does group presentations and courses, sign up is online.

Cindy suggested contacting the North Shore Waterfront Liaison Committee and having them do a presentation for CAP.

All agreed to have CAP Outreach a standing item on the agenda.

## **8. Meeting Evaluation and Close**

Due to time constraints, no evaluation was conducted. The meeting closed at 8:15 pm.

The next CAP meeting is scheduled for April 19, 2016, with a tour of Canexus at 5pm, meeting with dinner from 6:00 pm to 8:00 pm. The meeting will be held at Canexus.

## Community Advisory Panel (CAP)

February 16, 2016 Briefing Notes

### Responsible Care – Safety, Security, & Environmental:

#### ➤ Safety & Environmental:

- There have been no Safety incidents to Employees nor Contractors since the last CAP meeting in November.
- There have been no Environmental reportable incidents since the last meeting either.
- In December, Canexus received a renewed Air Permit from Metro Vancouver per the submitted information that was shared at the last CAP meeting. The new permit has a 10 year term with reduced emissions from the facility now that the Caustic Modernization project is complete and conversion to our new, smaller, more efficient and low NOx generating boiler has been achieved. The old boiler will remain as a back-up unit for operation only on a limited basis as needed each year.
- The company is currently conducting trials with our waste brine solids streams. The brine solids are a mainly combination of calcium, magnesium and wood fiber that are being tested for suitability as a feedstock into a cement kiln operation in the Vancouver region. If successful, and subject to possible plant improvements to be installed, this could potentially recycle a current waste stream going to landfill back into a useful application. We will keep the CAP group posted on the progress that is made.
- Efforts to expand the use & value of Rapid Notify are being undertaken here at the plant:
  - Monthly Horn Test - as you may be aware, Canexus conducts a monthly horn test and has traditionally sent out letters to advise our neighboring businesses. In January, we were able to successfully activate Rapid Notify to contact those neighbours 10 minutes before our siren was activated.
  - Minor to Moderate Incident Notification / Information Communications - we will now be using Rapid Notify as the primary means to alert the plant's immediate neighbors more quickly, with more precise information about an emergency situation if there was one at our plant. Alerts will be precisely chosen based upon the condition within the Canexus plant and potential impact off our site.
  - Major Incident Notifications – this use of the system has not changed and will continue to be utilized to alert the community in the event of a serious incident at the plant, but also for the multitude of Emergency Response situations that the North Shore could potentially face and will remain an important tool of NSEM & Emergency Responders.
  - An added benefit of this newly developed use of the system is that it has also created a more focused approach to emergency management for our neighbors and seems to have kick-started a more comprehensive emergency management focus for everyone.

➤ **Security & Transportation:**

- There have been no Security incidents since the last CAP meeting.
- There was a minor derailment of a railcar on December 24<sup>th</sup> at the plant site. There was no leak from the railcar and only minor damage to the rail; the incident was the result of rain and cool temperatures which contributed to a slippery track preventing the crew from stopping as intended. Any incident involving a wheel coming off the track on our site is duly reported to the regulating authorities and is also shared with the CAP committee accordingly.
- Recently a television production crew was filming in the vicinity of the plant and utilizing a portion of our property. In lieu of the minor inconvenience to our operation, we requested a donation be made to the Wild Bird Trust which they have now made.

**Plant Operations:**

- The plant has been operating at reduced rates since September due partly to a compressor that was damaged in an August 31<sup>st</sup> incident previously reported, but also due to weak markets in the chlor-alkali industry in North America. We anticipate continued market impacts through much of 2016 as low oil & gas prices severely reduce drilling activities and corresponding HCl market demand.
- The Caustic Process Modernization project was successfully completed and started up in Q4/15 and is operating very well with reduced energy requirements (both steam and electricity usage) as projected. The old caustic evaporation system has been emptied, cleaned and will be fully decommissioned over a period of time.

**Canexus Update:**

- As previously communicated, Canexus and Superior Plus (the parent company of Erco) are in the process of regulatory approvals towards a combination of the chemical business assets. The approval process is on-going and expected to continue into Q2/16.
- We will communicate with the CAP committee the outcome of the proposed transaction immediately upon completion.
- In the meantime, we are maintaining a business as usual focus in our operation.

## **ERCO Worldwide Update**

(since last report on Nov. 17, 2015)

- **Production**
  - Plant is participating in a BC Hydro Curtailment trial. At BC Hydro's request, NV site reduces 22 MW power usage with a 1-day notice. This allows BC Hydro to provide needed electricity to lower mainland in periods of high usage – i.e. cold weather. Since start of trial at beginning of November, we have been curtailed 388 hours. BC Hydro will evaluate trial data to determine if there is value in developing this trial into a permanent program.
  - Other than curtailments, ERCO NV plant has been running at capacity since last report.
  
- **Safety/Environmental**
  - On Feb. 9<sup>th</sup>, ERCO NV has worked 1000 days since last environmental reportable incident.
  - Semi-annual 3<sup>rd</sup> party compliance testing of our particulate scrubbers was performed on Feb. 1-2<sup>nd</sup>. Results should be received by month-end.
  
- **Responsible Care**
  - In mid-April, ERCO Worldwide will undergo its seventh Responsible Care verification. Verifications occur every 3 years, and are performed by an audit team with industry experts and public advocate verifiers. A community representative also takes part in the process. This year the auditors are visiting our Buckingham, Que. plant & our head office in Toronto. The other sites are audited by a conference call. An audit report will be made available to the public later this year.
  
- **Canexus Acquisition**
  - No further update – regulatory reviews in progress.

Tom Miller

February 16, 2016

*Meeting Summary Notes – February 16, 2016  
North Shore Community Advisory Panel (CAP)*





## **Terrapure Environmental Update – February 2016**

The North Vancouver Facility is a Used Oil Re-Refinery.

Used Oil Re-Refining is a closed loop process. Used oil can literally be re-refined unlimited times

Re-Refined base oils are virtually indistinguishable from base oils made from crude oil and are used in place of or in conjunction with virgin base oils.

The North Vancouver Facility processes approximately 36,000,000 liters of used oil per year.

Despite challenges currently faced by the oil industry Terrapure has yet to see any reduction in the amount of used oil being generated.

Products produced:

- Automotive Lubricants
- Industrial Lubricants
- Fuel
- Asphalt

The North Vancouver Facility is rapidly approaching 5000 days without a lost time injury.

The North Vancouver Facility 2015 Annual Report was recently submitted. The report summarizes hazardous waste handling/monitoring and summarizes facility inspection results. The Terrapure North Vancouver facility either meets or exceeds hazardous waste regulations.

## **Univar Canada update – February 2016**

Univar was able to achieve its 5 year mark with a recordable personal safety incident for all its on-site employees and embedded contractors (longshore operators). This was a significant achievement, especially in light of all the construction activity and recent changes that have been made since June 2015.

There have also been no recordable environmental incidents. However, there was an internal site recordable incident of approximately 80litres of monoethylene glycol that was released into the containment dike during part of the project activities. Glycol levels were monitored and the dike water managed such that nothing was released until levels were below the acceptable limits.

The project to repurpose one of the shore tanks is now complete and two vessels have been loaded. Given existing operations – both vessels would have come to site regardless, so in fact thus far there have been no “additional” vessels – we have simply loaded more cargo onto the ones that were already there.

Site waiting for the engineering estimate regarding the VOC reduction project.

There is a lot of training planned in the next few months for new longshore operators, as well as marine surveyors.