

**Canexus-ERCO Worldwide-UNIVAR-Newalta – North Shore Community Advisory Panel  
(CAP)**

**MEETING SUMMARY NOTES**

**Tuesday, February 17, 2015**

North Shore Emergency Management Office  
147 East 14<sup>th</sup> Street. 2<sup>nd</sup> Floor, North Vancouver

**Attendance:**

Tom Miller, ERCO Worldwide  
Helen Holt, ERCO Worldwide  
Rob Schultz, Canexus  
Tony Gutenberg, Canexus  
Robin Lee, Univar Canada  
Alice Chung, Newalta  
Dorit Mason, NSEMO  
John Miller, Lower Capilano Association  
John Hunter, Seymour Association  
Patricia Banning-Lover, Wild Bird Trust  
Katie Gaydon, Resident  
Dave Mair, Resident  
Lisa Richardson, Resident

**Regrets:**

Alex McNeil, Blueridge Association  
Richard Beard, Wild Bird Trust  
Terry Dunn, Miles Industries Ltd.  
Cathy Brydon, Resident  
Cathy Brydon, Resident  
Malcolm Chaddick, Resident  
Rick Denton, Canexus  
Richard C. Beard, Wild Bird Trust  
Jane Thornthwaite, MLA, North  
Vancouver-Seymour  
Doug Allan, District of North Vancouver

**1. Introductions**

CAP members welcomed Alice Chung from Newalta to the meeting and thanked Dorit Mason with NSEMO for providing the space for the meeting.

John Hunter provided notice of his departure from CAP prior to the meeting. CAP members thanked John for his active participation on CAP over the past few years.

Patricia Banning-Lover reminded everyone of the upcoming Corrigan Nature House Dedication Day planned for Sunday, March 1st 2015.

A revised meeting schedule for the 2014/2015 CAP season was distributed, noting that the date for the wind-up event has been changed to Tuesday, May 19, 2015.

**2. Review of CAP Mandate/2013-2014 Challenges**

Notes from the meeting with the Canexus CIAC Responsible Care RE-Verification Team were reviewed. CAP members observed that the panel is a visible demonstration of community partnership. They stated that a culture of open dialogue and hard questions has been established at CAP and that meetings provide a forum for feedback on a regular basis. They also suggested that the companies target their reports to CAP more to their activities in the community, rather than such things as the number of injuries incurred by their staff or contractors.

CAP members made the additional suggestions to enhance CAP activities:

- Ask the question “*What is on your mind?*” at the September CAP meeting to set the agenda for the rest of the meetings for the year.
- Ask CAP members to write articles for local newspapers.
- Conduct a “dotmocracy” evaluation of CAP activities and the relationship with the activities and the community at each annual wind-up event. Ask the basic question “*What is the value that CAP wants to create?*”.

### **3. Report from NSEMO**

Dorit Mason welcomed CAP members to the NSEMO office. The location functions as the centre for coordinated emergency response for the North Shore. The facility offers leading edge communication equipment to key decision makers during an emergency action.

She noted that NSEMO has recently been involved with:

- pre-planning and finalizing an emergency response action plan to deal with the effects of climate change.
- developing the North Shore downed power line protocol which was sent to District Council in October 2013.
- developing training in rapid damage assessment for BC Housing providers.
- a tri-municipal emergency operations exercise focused on solar flares and resulting impacts on electronic communications.
- the Great BC ShakeOut on October 15.
- a recent rockfall along the Seymour River which resulted from a weather intense period.

**Dorit challenged CAP members to provide photographic evidence of their personal emergency preparedness. She will provide a prize of an emergency kit for a member who provides this evidence.**

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

#### **a) Univar**

Robin Lee provided an overview of an upcoming project to repurpose an existing storage tank for another product currently handled by Univar (basically decreasing ethanol storage by one tank and using it for glycol storage instead). The project has been approved internally at Univar and has been presented to the Port of Metro Vancouver for permitting. Project construction is expected for the summer of 2015 with projected completion by the end of the year.

Robin reported that Univar is involved in a safety audit with the Marine Security arm of Transport Canada. She also noted that there have been no safety or environmental incidents at Univar since the last report to CAP.

## **b) ERCO Worldwide**

Tom Miller reported on the results of the CIAC Verification of ERCO in May 2013. The Verification Team concluded that ‘...the verification team is of the opinion that the Responsible Care Ethics and Principles for Sustainability are guiding company decisions and actions, and that a self-healing management system is in place to drive continual improvement. The team believes that the company is capable of the two Findings Requiring Action...’

The Team noted the following Findings Requiring Action

- It is a finding requiring action that there is not a documented management system for the promotion of *Responsible Care*® ‘by name’. (This item has been addressed by ERCO and is ready for verification.)
- It is a finding requiring action that the North Vancouver location does not have a management system to field test the emergency response plan ‘on a regular basis’ as required by OP40 (Plans are underway to field test a system with the District and other outside agencies in the spring of 2015)

Tom thanked Patricia Banning-Lover for her participation as the community representative on the CIAC Verification Team.

## **c) Newalta**

Alice Chung reported that the Industrial Division of Newlata has been sold to Newalta Revolution Acquisition LP (Revolution), a Birch Hill Equity Partners company. The Industrial Division includes the North Vancouver facility. The Industrial Division will be a stand-alone entity, under the new name Terrapure Environmental. Terrapure will continue to serve customers in various industry sectors from coast to coast.

## **d) Canexus**

Rob Schultz and Tony Gutenberg reported for Canexus. They reported on the many outreach and education initiatives undertaken by Canexus, such as working with local teachers on a professional development day or providing emergency training for an adjacent company.

## **5. Reports from Community Associations**

There were no reports from the community associations.

## **6. Meeting Evaluation and Close**

The meeting ran late so no evaluation was completed. The meeting closed at 8:15 pm.

**The next CAP meeting is scheduled for April 21, 2015, dinner at 5:30 pm, meeting from 6:00 pm to 8:00 pm. The meeting location will be announced.**

## **Community Advisory Panel (CAP)**

### **February 17, 2015 Briefing Notes**

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

- Safety:
  - The plant experienced a recordable injury to an employee earlier this month as follows:
    - An Operator was walking down the main plant road when his communication radio came unclipped from his belt, fell to the ground, and in the process of walking along he stepped on it and rolled his ankle over.
    - He suffered a sprained ankle, missed a single shift of work, and has since returned to full duties.
    - The incident was an unfortunate, not really preventable occurrence, but is a recordable one nonetheless.
  - There have been no reportable injuries to any contractors since the last CAP meeting.
  - During the week of the last CAP meeting the Chemistry Industry Association of Canada (CIAC) conducted the 7<sup>th</sup> Responsible Care Verification audit of Canexus and met with the committee.
    - We would like to thank the committee for their time and input with the audit team.
    - We would also like to thank Lisa Richardson for her excellent input and service on the audit team as a representative of CAP.
    - Canexus will present the CIAC audit report to CAP at the next meeting in April.
  - In 2014 Canexus also applied for, and was audited to, the Certificate of Recognition (COR) program under WorkSafe BC. We are pleased to communicate that our Nanaimo and North Vancouver facilities were successfully accredited under this program having achieved an 88% passing score.
- Environment:
  - There have been no environmental reportable incidents since the last CAP meeting.
- Security:
  - There have been no security incidents since the last CAP meeting.
- Transportation:
  - There have been no transportation incidents since the last CAP meeting.

#### **Plant Operations:**

- The plant has operated well through the last few months of 2014 and into 2015. The next plant outage is not planned until early 2016.
- As discussed at many previous CAP meetings, we are in the final stages of replacing an old administration building on the site. The building is progressing towards completion in what looks to be late March.

➤ Our Caustic Process Modernization project is also progressing well per plan with all permitting from the Port received in early January, the demolition phase successfully completed and the civil foundation work currently in progress. The structural / mechanical phase of construction will commence in late March and should complete in September with project commissioning and start-up in October. The project will improve plant efficiency by reducing steam demand and corresponding energy consumption.



# ERCO Worldwide

A division of Superior Plus LP

## ERCO Worldwide Update

(since last report on November 18/14)

### Production

- Plant operated at capacity in Nov-December period, but plant load reduced to 80% in January due to weakened chlorate market. In February, plant load was returned to capacity.
- Only shutdowns since last meeting were scheduled for maintenance and cell acidwashing (2 on Line 8 & 1 on Line 7).
- Most significant issue for plant over past 2.5 months has been the delays at the Vancouver ports due to longshoremen work slowdowns at US westcoast ports.
- Major site shutdown for 2.5 weeks beginning June 8<sup>th</sup> – for replacement of two transformers (Lines 7 & 8), other capital installations, and major maintenance.

### Safety/Environmental

- Employees have now worked 936 days (over 2.5 years) since the last Recordable injury on July 26, 2012.
- Quality Audit of site (ISO 9001:2008) will occur on April 21-22<sup>nd</sup> by QMI.
- Emergency drill with District /City NVFD & Hazmat team being planned for late spring 2015.

### General

- Maureen Clarkson has been appointed site Safety Manager.

Tom Miller

February 17, 2015



# ERCO Worldwide

ERCO Worldwide – CIAC Verification (May 2013)  
Summary to CAP

*“Because I work at ERCO, I know I will be injury free.”*



Tom Miller

February 17, 2015

## Background

Chemistry Industry Association of Canada performs a **Responsible Care® Verification** of member companies every three years, to determine adherence to the *Responsible Care® ethic and principles for sustainability*, and the three codes of *Operations, Accountability and Stewardship*.

ERCO Worldwide had its last audit in May 2013 (6<sup>th</sup> audit) :

May 2-3<sup>rd</sup> – Toronto head office audit

May 22-23<sup>rd</sup> – North Vancouver plant, including lunch meeting with CAP members

### Verification Team

- Cam Dillabough – Team Leader (C.I.A.C.)
- Archie Kerr – Industry Verifier (C.I.A.C.)
- Kris Lee – Public-at-Large Verifier (C.I.A.C.)
- Patricia Banning-Lover – Community Representative



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*“Because I work at ERCO, I know I will be injury free.”*



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Our commitment to sustainability.



## Team Observations – related to North Van site

### Findings Requiring Action:

- It is a finding requiring action that there is not a documented management system for the promotion of *Responsible Care*® ‘by name’.  
Toronto - **Ready for Verification**
- It is a find requiring action that the North Vancouver location does not have a management system to field test the emergency response plan ‘on a regular basis’ as required by OP40.  
**Ready for Verification**

### Work in Progress:

- The North Vancouver location has a plan, in 2012, to complete the requirements of OP39 (Risk Communication) by contacting residential neighbours concerning their knowledge of the required action to take in the event of a site emergency that could have impacts off-site. Industrial neighbours, who are in the closest proximity to the site, have been contacted.  
**Presently being undertaken – will be complete by June, & ready for next Verification**



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## Team Observations

### Improvement Opportunities:

- There is an improvement opportunity at the North Vancouver site in relation to OP7(d) to ensure site employees know the hazards presented by industrial neighbours and what action to take if an off-site event should occur. **CLOSED**
- There is an improvement opportunity at the North Vancouver site to contact the local hospital ward to ensure they are aware of, and could treat, potential employee injuries related to site operations. **CLOSED**
- There is an improvement opportunity at the North Vancouver site to obtain and review the complete marine barge safety inspection report. **CLOSED**
- There is an improvement opportunity at the North Vancouver site to apply the requirements of OP64 (identifying and classifying waste) to any future dredging operations at the barge loading dock area. **CLOSED**



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## Successful Practices (North Vancouver)

- Site management system identified the requirements of code element OP49 (ability to operate under different scenerios) and proactively qualified a local warehouse prior to the upset conditions anticipated at the site (potential strike).
- In relation to above successful practice, the site applied for a temporary air quality permit for the installation of a temporary boiler. This was the first time the provincial agency had been approached for this type of permit.
- The site utilized process improvement technology to improve process operating parameters that resulted in a 50% reduction in chromium contaminated process waste.
- The site implemented a successful project to capture and resell process waste hydrogen.
- This relatively small site hosted a National Advisory Panel meeting in 2012.



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## Verification Team Conclusion

...the verification team is of the opinion that the Responsible Care Ethic and Principles for Sustainability are guiding company decisions and actions, and that a self-healing management system is in place to drive continual improvement. The team believes that the company is capable of responding to the two Findings Requiring Action....'



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# Univar NDVC 12001 Storage Tank Repurpose

Cap Meeting Feb 17, 2015



## Agenda

- Current Site & Historical Volumes
  - Products currently handled
- Proposed Project
  - Product Throughput
  - Supply Chain (increase in rail/vessels)
  - Physical changes to site
  - Environmental/Other impacts of project during construction and ongoing operations





## Current Site & Historical Volumes

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### Products Currently Handled

#### Glycol

- Non – TDG regulated chemical
- Ship and rail operations

#### Caustic

- TDG regulated chemical (class 8)
- Ship, rail, barge, truck operations

#### Denatured Ethanol

- TDG regulated chemical (class 3)
- Ship, rail, truck operations



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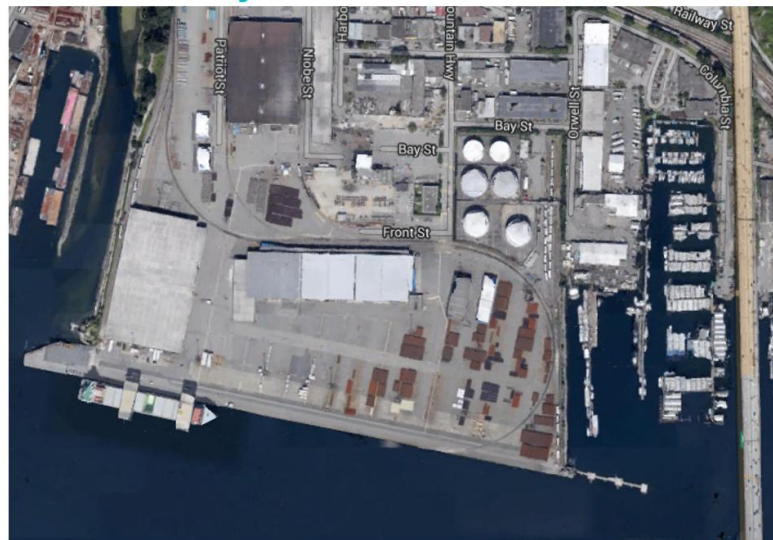
## Current Site Layout



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## Current Site Layout



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## Historical Throughput

- Up until 2007 received two switches a day (*including a "noon switch" from CN*)
- Allowed the site to easily do 36 railcars and as many as 48 in one day
- Historical volumes reached 1MM mt/yr  
500,000mt/yr caustic, 275,000mt/yr EDC,  
225,000mt/yr Glycol
- Over 11,000 railcars per year and approximately 80 vessels
- Current overall volume 480,000 mt/yr
- Currently 5600 railcars per year and approx 40 vessels



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## Repurpose of T-12001 from Denatured Ethanol to Glycol Service

- Move 12001 – to allow for possible future storage tanks
- Reline 12001 for product quality purposes
- Dedicated transload system including
  - 4 New rail loading stations
  - New piping between dock compound and tanks
  - New piping between tanks and rail offloading stations
- Increase in railcar and ship traffic from current levels
  - 28 extra railcars a week
  - Estimating 5-20 more ships a year (dependant upon chartering)

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## Proposed Site Changes



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## What won't change

- Number of switches by CN per day
  - Remains at 1
- Chemicals on site – Currently handle glycol already in different tanks
- Hours of operation
  - Only additional shifts expected are due to extra ships
- Dock operations
  - No change in loading arms, dock configuration, or ship requirements
- All transload operations will still occur within sealed containment



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## Environmental Implications

### During Project Construction

- Monitoring of site water for contaminants and collection of rainwater in construction area
- Third party environmental study performed on site operations and supply chain

### During Operation

- Ethanol VOC emissions from tank venting reduced by 50% (one less tank)
- Possible increased ship traffic with associated transport emissions
- Minimal increase only for glycol



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