

**Chemtrade Logistics-ERCO Worldwide-Univar Solutions-Terrapure Environmental
North Shore Community Advisory Panel (CAP)
MEETING SUMMARY NOTES
Online via Zoom**

**Meeting 6:00 pm to 8:00 pm
Wednesday, November 30, 2021**

Attendance

Rob Schultz, Chemtrade Logistics
Owen Horn, Chemtrade Logistics
Brian Scott, ERCO Worldwide
Jason Mayo, ERCO Worldwide
Robin Lee, Univar Solutions

Steve Spence, Terrapure
Environmental
Emily Dicken, NSEM
Mike Andrews, NSEM
Ryan Benson, NSEM
Jocelyn Hewson, NSEM
Brian Hutchinson, DNV Fire and Rescue
Services
Arielle Dalley, DNV
Andrew Van Eden, Tsleil-Waututh
Nation
Babs Perowne, NV Can
Lianne Payne, Wild Bird Trust
Pamela Smith, Miles Industries
Dave Mair, Resident
Stuart Spani, Maplewood Area
Community Association (MACA)

Regrets

Anastasia Ovodova, Port of Vancouver
Stuart Meyer, Miles Industries
Lisa Richardson, Resident
Cathy Brydon, Resident
John Miller, Lower Capilano Residents
Association

1. Welcome and Introductions

Members introduced themselves and welcomed new attendees.

2. Review of September CAP meeting minutes

Meeting Summary Notes – November 30, 2021

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North Shore Community Advisory Panel (CAP)

Members reviewed the September CAP meeting minutes. No additions to the original draft sent out to members after the meeting were noted. Members were asked for further additions. No further additions were requested. The facilitator will finalize the September meeting minutes and send to DNV to post on their CAP information webpage.

3. Presentation: Emergency Response Planning

The companies, NSEM and DNV Fire and Rescue Services provided a presentation on emergency response planning as requested by CAP members in the September agenda planning discussion.

Details can be found in the attached Power Point.

Member questions:

-Is there training for working with specialized materials?

DNV's Fire Chief said that North Vancouver has the highest level of trained personnel in Canada.

-Are there any comments on the highest ever seen river?

NSEM responded that these are atmospheric river events caused by unprecedented rainfall, climatic change conditions and high freeze levels. It is level one at the Emergency Operation Centre now. People can notify the municipality on specific situations.

DNV Fire and Rescue said that the municipality has robust communication processes in place and keeps engineering structures updated.

It was noted that the systems and structures in place are impressive when we look at how we've been able to weather the storms. Engineering services has more than 300 sandbags for homes along the waterways and the resources to deploy these on short notice.

-How can we be impacted by the environment in an emergency?

There could be no power. Earthquakes would require preparation, facilities being designed to withstand them and having specific equipment.

-Does Alert Ready work on all phones?

Information taken from website here: <https://www.alertready.ca/wireless/>

Alert Ready sends life-threatening emergency alerts to cell phones and wireless devices that are compatible with Wireless Public Alerting (WPA). For emergency alerts to be received on a wireless device, three conditions must be met. The wireless device must be:

1. A wireless public alerting (WPA) compatible device, like a smartphone, capable of connecting to an LTE network (LTE is commonly referred to as "4G LTE"); and

2. Equipped with the latest version of its operating software; and
3. Connected to an LTE cellular network at the time the emergency alert is issued or joins the network while the alert is still active.

-How will the Fire Centre's relocation to along Dollarton Highway help coordination? It will enable coordination more with departments. Construction will be starting soon, and it will be operational by the second/third quarter of 2023. It will be a legacy piece of infrastructure. The headquarters and administration will move but the Lynn Valley Fire Station will stay. The aerial device (Ladder truck) will be moved and the fire station on Lower Mountain highway will be absorbed as well. This is to ensure it is the most appropriate resource deployment model for the North Shore, especially for providing resources east of Seymour.

-What other communication means beside Alertable are used to alert people in nearby neighbourhoods to a serious situation? As the primary means of alerting, Alertable is fast and DNV Fire and Rescue would be on the scene rapidly. Media releases would also alert the public. The RCMP can do a tactical evacuation or go door to door if needed.

DNV Fire Chief Brian Hutchinson noted that the DNV response time is supposed to be 6.5 minutes.

Alertable is the quickest, easiest way to get information on the North Shore during an emergency.

Robin Lee said that Univar Solutions would work with the Fire Department if the incident was outside facing and there would be an impact on neighbours.

-With a widespread power outage, most emergency services have back up generators, do most plants have them? Would a power outage affect the Alertable system?

Rob Schultz said that Chemtrade has an emergency generator at the site that operates critical equipment. While Univar Solutions is set up to shut down operations safely, they cannot continue operating without power. ERCO has 2 backup generators that supply power to essential equipment when there is a power outage. Terrapure has a backup generator that provides power for critical safety and pollution prevention systems during a power failure.

Cell phones are powered off the BC Hydro grid. They have back up generators on site and fuel for 72 hours so cell phone alerts would still go out. But cellphones connected to landlines would go down with them. Alertable is a digital system, so staff can send out alerts through their cell phones if they still have access.

Owen Horn from Chemtrade pointed out that during a power outage, plants go to a "safe state" automatically so there wouldn't be a need to use Alertable.

Jocelyn Hewson from NSEM mentioned that there are now 30,000 users on Alertable with 3,000 sign ups in the last few weeks.

4. Reports from the Companies

a) Chemtrade Logistics

Rob Schultz reported that there have been no Environmental, Safety, Security or Transportation incidents since the last CAP meeting. Chemtrade is preparing for RC 14001 certification (Environmental Management) in December, and currently finalizing their internal audit in preparation for the external audit. They will provide an update to CAP members at the February 2022 meeting.

The plant is continuing to follow the COVID-19 provincial health guidelines with no COVID related events since the last CAP meeting.

The demand for Chlor Alkali products remains strong and looks to continue into 2022.

Chemtrade has been curtailed in production due to the mudslides and road damage done by the recent rainfall event but will again return to full production rates as the rail system recovers and maintain those rates into next year. They are storing some material on site due to the road issues in the interior to support local companies impacted by the flooding and mudslides and are supporting the Port to keep space open.

The plant is well into preparations for the 2022 April plant Turnaround. The plan is to start shutting down around April 21 and hope to be mechanically complete by around May 6. This is a significant undertaking and will be the main focus for the plant over the next 6 months.

b) ERCO Worldwide

Brian Scott reported that the ERCO Worldwide North Vancouver plant has run well since the last CAP meeting. During the October 11-15 period, the site took 5-day shutdowns for crystal agitator repairs. On October 24, a windstorm knocked the plant down. On November 8, there was a planned L-8 acid wash.

Currently, the plant is down due to the ongoing “atmospheric river” weather conditions causing floods and mudslides delaying shipments to and from the ports of Vancouver.

On November 30, NV employees have worked 508 days since last Recordable safety incident (July 7/20) & 3979 days since their last Lost Time Accident (Jan. 05/11).

ERCO NV continues to ensure COVID safeguards are being followed by all employees, contractors, and visitors. ERCO has not had a COVID case with an employee since the single Maintenance employee case reported in December 2020.

It has been 192 days since the last Reportable Environmental Incident (May 21/21).

On November 17, PPWC Local 5 Union collective agreement bargaining was concluded, and the 6-year contract offer was ratified on Nov 25.

c) Univar Solutions

Robin Lee reported that there have been 206 days since the last personal safety recordable, and 3992 days since the last DAWC (as of end of day Nov 29th).

The following incidents have occurred since Sept 29th.

- Medical Treatment
 - A contractor cut himself with a knife while removing a zip tie and had stitches to the hand. He is fine with no lasting damage. Although it was a congested/tight space, it was not the correct tool to be using. Wire cutters would have avoided the line of fire incident.

- First Aid
 - Electrician dropped metal piping on foot while pulling cable
 - Although the potential hazard (in general) was recognized before starting the job, it does not appear he looked closely at the path he was pulling the cable. Steel toed boots protected his foot.
 - Attention will be paid to more secured storage solutions

 - Operator felt his back twinge while trying to operate a newly installed ramp and attended first aid (but he is fine)
 - New ramp adjusted to ensure smoother operation
 - Operations supervision will ensure new installations are more fully tested prior to turning over to operations

- Near Misses
 - Blasting equipment ran longer than intended due to equipment malfunction
 - Contractor had to use cell phone to communicate to the person operating the equipment due to high noise levels
 - Contractor not allowed to use cell phone in this area

- Future communications include using more basic forms of communication if equipment needs shutting down immediately
- Contractor opened incorrect valve while doing a tank dip
 - Due to maintenance work, the normal valve position had been changed and the contractor assumed a different valve was the correct one
 - Due to operational layers of protection, the valve the contractor opened had no impact on safety, but the action was still considered a serious near miss
 - Contractor company will retrain employee, and depending on evaluation, consider removing his rating to work at site
 - Univar is also labelling valves to make it clear which is which
- Equipment experienced a slight static discharge
 - Root cause is improper grounding
 - Contractor operators provided further training, and contractor foremen will review the connections prior to equipment start up

The site has been extremely busy with significant maintenance projects in recent months with many contractors on site. Tank and docks work will continue through to the end of the year with the dock scope of work reduced slightly to accommodate Port permitting requirements.

The site participated in a major audit from one of our clients, with subject matter experts reviewing both the upland marine shore side of the terminal, as well as the dock and marine operations. It went well, and auditors provided some great suggestions for improvement in the areas of documentation, maintenance frequency and communication.

Recent weather events have significantly impacted the rail supply chain. Univar is working with its customers to manage inventories. The BC Terminal Operators Association (of which Univar is a member) is working with larger provincial and federal supply chain groups to assist where possible. The Port generally is experiencing tremendous challenges with ships waiting at anchor, and cargos building without the ability to move them away from the Port. The site itself is fine, with the biggest challenge being the ongoing water management within the containment systems.

COVID 19 challenges continue with safety indoctrinations, meetings, and tool box talks being held outside and/or via computer. Visitors to the site continue to be extremely limited.

d) Terrapure Environmental

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North Shore Community Advisory Panel (CAP)

Steve Spence reported that GFL Environmental officially purchased Terrapure on August 17 and they are currently operating as “Terrapure – a GFL Company”. After January 1, 2022, they will be GFL Environmental.

The refinery is currently running at 100% capacity with a semi-annual shutdown completed October 24-30 with no surprises or incidents.

The facility has operated lost time injury free since the last CAP report and continues to operate within permitted approvals. The Biannual Groundwater Monitoring was completed in November and the Annual Emission Monitoring completed last week.

The plant did a mock evacuation on November 19th using a horn and doing a head count. They sent an email to very close neighbours informing them of this.

Terrapure continues to operate following all Provincial and Federal COVID-19 guidelines regarding worker and public safety. There are no positive cases of COVID-19 to report for facility staff, visitors or contractors.

- 1 incident to report on November 5 – tote tipped off a forklift:
 - At 09:00, a yard operator was transporting a tote of hydrogen peroxide from the warehouse to the plant. While transiting through the yard, the operator lost the tote off the front of the forks and it tipped onto its side. The tote did not leak or break, and fortunately, the tote was repositioned and moved without further incident. A serious incident could have occurred as the chemical was dangerous and there were other operators in the area. The root cause of the incident was speed and road conditions while the type of tote played a significant role as well. The following corrective actions have been taken:
 - The yard operator has been retrained on proper forklift operation
 - Safer totes have been requested from the supplier
 - A temporary strapping system has been put in place until the safer totes are received

Please see the pictures of totes in the full company report at the end of the meeting minutes.

5. NSEM Update

Emily Dicken introduced Ryan Benson from NSEM, Manager of Partnerships and Recovery, who will be the NSEM representative on CAP going forward.

One of NSEM's strengths is the relationships the organization has across the North Shore before, during and after a disaster. In Ryan's role, he will be looking at how to craft the space of partnerships strategically and operationally with consistency and transparency.

NSEM currently has a student from Denmark with a master's degree in Emergency Management assisting them until January. He is supporting their Emergency Management strategic planning.

The Emergency Operation Centre has been set up at level one status. It can support what the municipality needs. There has not been a significant event on the North Shore so far and they have been lending support to other jurisdictions. Five staff were deployed to Surrey and Abbotsford.

Locally, they are focusing on operational readiness, revamping and getting their technology up to speed. There has been good uptake on Alertable. There are currently 30,000 subscribers with around 6,000 on the North Shore.

Operation Coastal Response, which involves federal and municipal partners, was supposed to take place in February 2022 but has now been postponed, with the new date TBD.

For public education, NSEM is scaling back to virtual events. They can arrange online presentations for groups that are interested. Members of the public should have a 72-hour emergency kit, a one-week kit where possible. People are also advised to keep their gas tanks full.

6. Agenda Planning for Upcoming Meetings

The facilitator reviewed the suggestions of presentation topics for the upcoming year that had been presented in the September meeting.

In addition to the topic on emergency preparedness, the other topic that had been high priority for many members was shelter in place procedures for neighboring businesses. It was decided it may be more valuable to do this in person in the Spring if possible. Also, to have individual companies do training instead. ERCO mentioned they could also do a presentation as well as provide handouts. Rob from Chemtrade mentioned they have also done this some time ago. There are no specific directions around this, each company develops specific protocols. A handout would need corporate approval, so this is not on their radar to do soon. Pamela from Miles Industries mentioned that they can coordinate with Chemtrade on a presentation.

NSEM also shared links for shelter in place that can be found on their website:

<https://nsem.ca/during-emergency>

<https://nsem.ca/get-prepared>

<https://nsem.ca/get-prepared/home/prepare-shelter-place>

The revised list of agenda topics and number of CAP members interested is listed below.

1. Metro Vancouver could provide an explanation of their 2020-2021 clean air plan. (9)
Drastic impacts of these changes on industry

2. Update on Port Authority plans/activities affecting North Shore

- Enhancing Cetacean Habitat and Observation (ECHO) program Burrard Inlet initiatives (9)
- Port of Vancouver and national corridor air quality emissions
- Canada Place and our Cruise Operations
- Maplewood Flats Restoration Program (2)

[Maplewood Marine Restoration Project](#): This summer, the port authority (in collaboration with Tsleil-Waututh Nation) completed the final phase of this project, transplanting about 125,000 eelgrass shoots to create a 1.5-hectare eelgrass bed.

It was the largest eelgrass transplant ever performed in Burrard Inlet providing important refuge and nursery habitat for juvenile fish. During construction, nearly 230,000 cubic metres of dredged Fraser River sand was used to restore and raise the Maplewood basin floor, which will support a variety of shellfish and crab and allow marine plants like eelgrass to establish.

How will the Port manage the balance between climate change and restoration work?

3. DNV and Tsleil-Waututh – climate change plans (8)

4. Long term planning for the chemical plant areas by Port of Vancouver (6)

[Long-term vision in terms of sustainability, renewable energy, omissions, development?](#)

5. DNV could provide an update on the plans for community development in the area and impact on density, ie. OCP. (5)
6. Seaspan on their initiatives (environment/safety improvements) (3)
7. Options for effective Traffic management on Main St & Dollarton hwy (it gets very busy)
Focus on the expansion with the Transmountain pipeline and consequent marine traffic?

7. Update on Recently Submitted Development Applications

Arielle Dalley from DNV reported the following updates on development applications:

- Construction on the Maplewood Fire and Rescue Centre will be starting soon. The site has already been cleared and the contaminated soil removed. The contract for construction of the building has been awarded and basic site preparation has been conducted.
- The preliminary application to redevelop the existing Blueridge-Cove Animal Hospital at 165 Riverside Drive has been withdrawn.
- The District-led rezoning for four lots off Riverside Drive between Windridge Drive and Old Dollarton Road received First Reading at Council on November 1st and a public information meeting was held virtually in mid-November. A public hearing was held November 23rd and the next step is to bring it to Council for Second and Third Reading. The District is pursuing this rezoning so that this site will be considered for an affordable housing development grant with Metro Vancouver Housing. If the rezoning is successful and Metro Vancouver Housing selects this site, any development would include approximately 60-90 rental homes. A specific number would be determined through a land lease and development permit process. More information can be found [here](#).
- A detailed application was received for 2045-2075 Old Dollarton Road. This application as submitted proposes 36 owned apartments plus approximately 500 square metres of commercial space in a five-storey building. A total of 51 parking spaces are proposed (36 for residents, 2 for visitors, 13 for commercial parking).

8. Meeting Close

The meeting ended at 8:05pm.

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The facilitator notified members that long time CAP member Lisa Richardson would no longer be serving on the CAP and sent her thanks to all members for a rewarding experience.

The next meeting will be held on Tuesday, February 15, 2021, at 6pm on Zoom.



Community Advisory Panel (CAP)

Nov 30, 2021 Briefing Notes

Responsible Care – Safety, Security, & Environmental:

- **Safety:**
 - There has been no new Recordable Injuries since the last CAP meeting.
- **Environmental:**
 - There have been no new environmental events since our last CAP meeting.
 - We are preparing for RC 14001 certification (Environmental Management) in December. We are finalizing our internal audit now in preparation for the external audit.
- **Covid-19**
 - We are continuing to follow all provincial health guidelines.
 - We have not had any COVID related events since our last 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 demand for Chlor Alkali products remains strong and looks to continue into 2022.
 - We have been curtailed in production due to the mudslides and road damage done by the recent rail fall event. As the rail system recovers we will again return to full production rates and maintain those rates into next year.
 - We are storing some material on our site as a result of the road issues in the interior to support local companies impacted by the flooding and mudslides.

- We are beginning to build inventory in preparation for the plant Turnaround next year.
- We are well into preparations for the 2022 April plant Turnaround now. We plan to start shutting down ~April 21 and hope to be mechanically complete by ~May 6. The startup date at this point is tentative pending final planning so the actual mechanical completion date may move. This is a significant undertaking and will be the main focus for the plant over the next 6 months.

ERCO Worldwide

ERCO Worldwide Update - (since last CAP meeting on Sept 29, 2021)

Operations

- ERCO NV plant has run well since we met in Sept 29th.
- The site has taken 5-day shutdowns for crystal agitator repairs Oct 11-15. Windstorm knocked the plant down Oct 24th. A planned L-8 acid washes Nov 8th.

- Currently the plant is down due to the ongoing “atmospheric river” weather conditions causing floods and mudslides delaying shipments to and from the ports of Vancouver.

Safety

- ERCO employees and contractors continue to work safely. On Nov 30th, NV employees have worked 508 days since last Recordable safety incident (July 7/20) & 3979 days since our last Lost Time Accident (Jan. 05/11).
- ERCO NV continues to ensure COVID safeguards are being followed by all employees, contractors, and visitors. ERCO has not had a COVID case with an employee since the single Maintenance employee case reported in December 2020.

Environmental

- It has been 192 days since last Reportable Environmental incident (May 21/21).

Miscellaneous

- PPWC Local 5 Union collective agreement bargaining was concluded Nov 17th. The 6-year contract offer was ratified Nov 25th.

Name: Brian Scott, P.Eng.

Title: Plant Manager, North Vancouver

Univar Solutions report – November 29, 2021

Robin Lee reported that there have been 206 days since the last personal safety recordable, and 3992 days since the last DAWC (as of end of day Nov 29th).

The following incidents have occurred since Sept 29th.

- Medical Treatment
 - Stitches to hand when contractor cut himself with a knife while removing a zip tie. Although it was a congested/tight space, it was not the correct tool to be using. Wire cutters would have avoided the line of fire incident.
- First Aid
 - Electrician dropped metal piping on foot while pulling cable
 - Although the potential hazard (in general) was recognized before starting the job, it does not appear he looked closely at the path he was pulling the cable
 - Attention will be paid to more secured storage solutions
 - Operator felt his back twinge while trying to operate a newly installed ramp and attended first aid (but he is fine)
 - New ramp adjusted to ensure smoother operation
 - Operations supervision will ensure new installations are more fully tested prior to turning over to operations
- Near Misses
 - Blasting equipment ran longer than intended due to equipment malfunction
 - Contractor had to use cell phone to communicate to the person operating the equipment due to high noise levels
 - Contractor not allowed to use cell phone in this area
 - Future communications include using more basic forms of communication if equipment needs shutting down immediately
 - Contractor opened incorrect valve while doing a tank dip
 - Due to maintenance work, the normal valve position had been changed and the contractor assumed a different valve was the correct one

- Due to operational layers of protection, the valve the contractor opened had no impact on safety, but the action was still considered a serious near miss
 - Contractor company will retrain employee, and depending on evaluation consider removing his rating to work at site
- Equipment experienced a slight static discharge
 - Root cause is improper grounding
 - Contractor operators provided further training, and contractor foremen will review the connections prior to equipment start up

The site has been extremely busy with significant maintenance projects in recent months with many contractors attending site. Tank and docks work will continue through to the end of the year. The dock scope of work has been reduced slightly to accommodate Port permitting requirements.

The site participated in a major audit from one of our clients, with subject matter experts reviewing both the upland marine shore side of the terminal, as well as the dock and marine operations. It went well, and auditors provided some great suggestions for improvement in the areas of documentation, maintenance frequency & communication.

Recent weather events have significantly impacted the rail supply chain. Univar is working with its customers to manage inventories. The BC Terminal Operators Association (of which Univar is a member) is working with larger supply chain groups to assist where possible. The Port generally is experiencing tremendous challenges with ships waiting at anchor, and cargos building without the ability to move them away from the Port. The site itself is fine, with the biggest challenge being the ongoing water management within the containment systems.

COVID 19 challenges continue with safety indoctrinations, meetings, and tool box talks being held outside and/or via computer. Visitors to the site continue to be extremely limited.

Thanks & Regards,

Robin Lee (she/her/hers)

Terminal Manager

Univar Solutions

Current status / Schedule

- Name changes!
 - GFL Environmental officially purchased Terrapure on August 17
 - Currently operating as “Terrapure – a GFL Company”
 - After January 1, 2022, we will be GFL Environmental;



- Transition update – unfortunately, there isn't much to share as the North Vancouver refinery will not see any physical change other than a new owner, new signage and a new coat of green paint on our trucks. On the plus side, GFL brings feedstock certainty for the refinery ensuring constant operations going forward.
- Refinery running at 100% capacity
- Semi-annual shutdown scheduled for October 24-30

Health, Safety and Environment

- Facility continues to operate within permitted approvals
- Facility has operated lost time injury free since the last CAP report
- No positive cases of COVID-19 to report for facility staff, visitors or contractors. Terrapure continues to operate following all Provincial and Federal COVID-19 guidelines regarding worker and public safety.
- 1 incident to report: August 26, tank overflow in containment:
 - At 6:30am, a transport operator started off-loading his used oil truck into a day-tank at the facility. Shortly thereafter, one of the other transport operators noticed that the

receiving tank was overflowing, he hopped out of his cab, alerted the driver and they both shut down the transfer. They then proceeded to pump the used oil overflow from the compound into another used oil truck. An estimated 1,600L of used oil was pumped out of the compound sump. There was no loss of product or environmental contamination due to the day-tank being located inside a concrete bunker. Subsequent investigation revealed the driver failed to confirm there was enough room in the receiving tank for the off-load. The driver has been re-trained in off-load procedures.

Training and Audits

- No Audit activity for this period
- Training focused on courses, WHMIS, TDG (transport of dangerous goods), First Aid, Confined Space Awareness and H2S Alive