

MINUTES OF THE ENVIRONMENT MONITORING TEAM MEETING HELD TUESDAY 15th August 2017

Attendance Sheet:

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| Resident EMT Members | Qenos |
| Chris Rider | Rob Berton - Qenos SHE Manager |
| | Duncan Laslett - Qenos Olefins Operations Manager |
| | Bruce Gunn – SHE Coordinator - Olefins |
| | Alan Findlay - Qenos Environmental Health Coordinator |
| CWW | Jamal Raza - Qenos Polymers SHE Coordinator |
| Joe Messina | |
| | Dow |
| Apologies | KC Lim – Dow Altona Site Leader (Chair) |
| Les Harman - Qenos Senior Environmental Adviser (Secretary) | Camillo Coladonato – Dow Remediation Manager (ANZ) |
| Melinda Corry | Nivanyah Kukan –Dow EH&S Delivery Specialist |
| Frank Quosdorf | Taimor Hazou – Dow PA |
| Andre Olszewski | Yashar Davoodi – Dow Altona Production Leader |
| | EPS |
| | Tai Truong – EPS Engineering Manager |
| | Richard Beale – EPS Technology Manager |
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1. Introductions

KC opened the meeting @ 18:05 with a round of introductions and welcomes to attendees. A quick induction was also given to the attendees. KC explained that this was the second combined company EMT and that Dow was chairing the meeting.

The changes below were mentioned:

- Pramudana Tan currently on international assignment, and replaced by Nivanyah Kukan
- Patrick Pedrotti has moved to a different role, and replaced by KC Lim
- Tai Truong and Richard Beale from EPS joined the meeting for the first time in order to learn about ACNCG/EMT meetings. Note that Dow and EPS has a purely commercial relationship based on leasing of Dow land to EPS.

2. Agenda review and discussion

KC gave an overview of the agenda and asked people to identify any items of General Business that people wanted to discuss later in the meeting. No extra items were noted.

3. Company updates

Dow

Nivanyah presented the company update which included a Safety Case update. Chris then asked about Bow Tie diagrams and it was explained it was a method of showing hazards and preventative/mitigative measures to address the hazards. A Bow Tie example was also shown to Chris.

Dow had a phosphoric acid containment loss to Trade waste on 19/6/2017 which was reported to WorkSafe and corrective actions had been implemented. Dow has not had a recordable Injury/illness since May 2016.

Safety programs to encourage intervention when noticing unsafe behaviours was successfully rolled out among the ANZ sites. This is a regional effort to continue improving the company safety performance across offices to manufacturing sites.

Dow completed a mini-turnaround in the end of May for equipment and cooling tower inspection with no recordable events. Due to rising gas prices, Dow has focused on energy efficiency improvements to reduce energy intensity of the process.

Qenos

Rob shared about the internal power failure at Qenos that resulted in 4 noise complaints for flaring. Qenos's Safety Case has been submitted and are in the verification process. Also, the annual reports for licensed pipelines have been submitted.

On PFAS, the site assessment is on schedule and to be submitted to EPA by the end of August. The EIP progress was also briefly shown. No further queries were asked.

Rob also shared on an odour audit completed in April 2017 at Qenos Olefins together with members of the community. It was identified residential areas south east of Olefins had the highest potential for odour impact. Overall, the audit showed good improvement from previous years.

4. CWW

Joe gave a verbal update from CWW.

- No non-compliance issues for Dow or Qenos
- CWW have been working with Melbourne Water (MW) and the Essential Services Commission (ESC) to develop 20 new trade waste acceptance standards to reduce variance applications for components that do not have an acceptance standard. This is expected to roll out in December 2017.
- CWW, MW, and ESC will also introduce the way trade waste salt is managed and this is expected to roll out in Q2, 2018.
- CWW is also looking through individual cases for PFAS disposal through trade waste and are looking to develop a PFAS/PFOS discharge limit.

- Also, CWW has noticed an influx of stormwater coming to trade waste from construction sites/carparks that have basements and have not been treated. CWW is working with Council and EPA to address this.

5. Complaints

Alan discussed the complaint presentation distributed with the agenda. A few complaints were received since the last meeting;

- 2 x Air quality – one of which was Source outside complex and the other possible complex
- 6 x Flare noise – Source inside complex, Qenos Olefins
- 1 x Forklift beeping noise - Source outside complex

Also, 2 general complaints were made by other members of the community and brought up during this meeting;

- Resident from Brook Drive.
 - “I would like to impress that from my perspective there has been an increase in general noise level and also more occasions when the air quality/smell has been poor. A number of local residents are discussing it and are concerned.
 - I’m also disappointed to hear that EPA as regulators no longer contact Qenos or the ACNCG when a relevant complaint is received, rather the requirement is for you to contact them.”
- Resident who lives near the Golf course
 - “We have been experiencing odours irregularly and mostly mornings during the last few months (not reported to the community hotline as resident feels the complex has been inadequate in addressing them) and believe it lowers the quality of life.

As part of planned EPA changes the Complex believes that each council will receive a nominated EPA officer. This new arrangement should help residents deal with non-Complex related issues. When established, these nominated EPA officers will be invited to the future ACNCG/EMT’s.

6. Roundtable AOB

EPS asked about trade waste limits to CWW and will follow up with Joe. Note that Dow and EPS has a purely commercial relationship based on leasing of Dow land to EPS

7. Dow Groundwater update

Camillo started with explaining the Clean-up notice and the steps taken by Dow together with timelines. The strategy for the Clean up plan is to reduce volume of impacted soil and groundwater through appropriate technology developments.

Camillo gave a review of Clean-up Plan implementation progress for each sub-area of the site (summarised in Slide 6- Road Map of the presentation). The following aspects were covered;

- Objective of treatment
- Main contaminants being treated
- Stage of treatment
- Technology used

8. Meeting Close

At 19:35, the meeting was closed by KC.