

<b>Project</b>	Remediation, operation and monitoring, Community Working Group (CWG)	<b>Date</b>	12 July 2022
<b>Venue</b>	Ampol Fuel Terminal, 2 Solander Street, Kurnell Training Facility – SOB meeting room 7	<b>Time</b>	6.30pm-8.00pm
<b>Purpose</b>	Meeting 1 CWG		
<b>Attendees</b>	<i>Isabelle Moss, Chair (WSP)</i> <i>Brett Lobwein, resident</i> <i>Sarah-Jo Lobwein, resident</i> <i>Robyn Heagney, resident</i> <i>Joanne Oldfield, resident</i> <i>Rob Stanley-Jones, resident &amp; President, Kurnell Progress and Precinct Residents' Association</i> <i>Cr Leanne Farmer, Sutherland Shire Council</i> <i>Dr Adam Capon, South Eastern Sydney Public Health Unit</i> <i>David Peninton, National Operations Manager, Ampol</i> <i>James Farhart, Project Manager, Ampol</i> <i>Damien Davidson, Remediation Specialist, Ampol</i> <i>Dr Nivari Jayasinghe, Principal Environment Scientist, Contaminated Land Management (WSP)</i> <i>Ella Burgess, CWG secretariat (WSP)</i> <i>Observer - Helen Stanley, Community Relations, Ampol</i>	<b>Apologies</b>	<i>Sarah Thomson, EPA</i>
	<p><i>Stakeholders to receive minutes/agenda:</i></p> <p><i>Leanne Mariani, Environmental Assessment Officer, Sutherland Shire Council</i></p> <p><i>Sarah Thomson, EPA (will attend and present information when required)</i></p>		

Item	Actions/Notes
<p><b>Welcome to the CWG</b></p> <ul style="list-style-type: none"> <li>- The meeting commenced at 6:31pm.</li> <li>- The Chair welcomed all, gave an Acknowledgement of Country and noted Adam Capon will represent South Eastern Sydney Public Health Unit.</li> <li>- David Peninton from Ampol gave an overview of the site safety procedures in case of an emergency.</li> <li>- The Chair outlined the agenda of the meeting.</li> <li>- The Chair asked each member to introduce themselves and their connection to the local Kurnell community.</li> </ul> <p><b>CWG Terms of Reference/Code of Conduct</b></p> <ul style="list-style-type: none"> <li>- The Chair gave an overview the Terms of Reference and the Code of Conduct.</li> <li>- The Chair noted that the inaugural Remediation CWG meeting is the first of a series of meetings. It is important all members are clear on the best ways to work together to reach positive outcomes for the Kurnell community.</li> <li>- The Chair highlighted that there are several meetings planned to encourage considered discussion and give members time to have meaningful conversations with the wider Kurnell community. The inaugural meeting and subsequent meetings are to focus on remediation, testing and monitoring work associated with Ampol's Kurnell terminal operations. All questions and topics brought up during the meeting that are not on topic, will be taken on notice and addressed outside of the Remediation CWG.</li> </ul>	<p>The CWG contact email address is <a href="mailto:ampolcwg@wsp.com">ampolcwg@wsp.com</a></p> <p>Please notify the Secretariat of observers who would like to attend, <a href="mailto:ampolcwg@wsp.com">ampolcwg@wsp.com</a></p>

- Meetings are planned to be held monthly until November/December 2022. If CWG members feel they have achieved all desired outcomes before November, they are welcome to bring the CWG meetings to a close.
- The Chair noted her role as a Principal Consultant at WSP. Her role includes work for a multitude of government and non-government clients.
- Meetings will be held on site at the Ampol Kurnell Terminal, for up to two hours.
- It is important for all CWG members to commit to ongoing meeting attendance.
- Observers are allowed during meetings. Please notify the Secretariat of observers who would like to attend, [ampolcwg@wsp.com](mailto:ampolcwg@wsp.com)
- The Chair outlined the potential process for the meeting minutes. The group agreed to an approximate two-week turn around before the meetings minutes are published on Ampol's website.

*Meeting minutes will be a summary of discussions had during the meetings followed by a list of actions.*

- Meeting minutes will be drafted by the CWG Secretariat over the few business days following the CWG meeting. The Chair will review the minutes before they are sent to Ampol for review of technical accuracy only. Once all changes and comments have been accepted, the meeting minutes will be distributed to CWG members for comment. A weekend will be included in the timeframe for CWG members to review. Once the meeting minutes have been adopted, they will be published to Ampol's website.
- The Chair noted that if anyone from the community has any questions about the minutes or the CWG in general, the point of escalation is the Secretariat.
- The Chair noted that members of the CWG cannot speak on behalf of the CWG until the meeting minutes have been reviewed and made public. Members can express personal views but cannot speak on behalf of the CWG to mitigate misrepresentation.
- The Chair outlined the Code of Conduct.

*The group agreed to adhere to the Code of Conduct.*

- Acceptance Form/Declaration of pecuniary or other interests.
- Each member present in the room was asked to sign the Terms of Reference and Code of Conduct with their name, date and signature.

*Each member signed, named and dated the Terms of Reference and the Code of Conduct.*

*The Chair, Secretariat and Nivari all noted their fees as employees of WSP are paid by Ampol.*

- *No other Declarations of Pecuniary Interest were made.*

### **Ampol introductions and overview**

- David introduced himself and his role as National Operations Manager at Ampol.
- David provided an overview of the history of Ampol, who Ampol is, their community partnerships and what occurs on the Ampol site today.
- David noted that fuel received at the terminal is tested, stored and then distributed through Ampol's network.
- A community CWG member commented on the amazing amount of pipeline that stretches underground from the Kurnell site.
- David noted the underground pipe travels from Kurnell through to Newcastle, going above ground when the pipe reaches a storage facility.
- The pipeline has a working life of 50 years from today, however it was noted the pipeline could operate for another 100 years.

- Ampol has a program in place to monitor and maintain the pipeline that occurs every 5 years. The program involves devices travelling along the length of the pipeline giving a very detailed picture of what the pipe looks like. The pipeline can hold over 17 million litres of substance from end to end.
- David noted that Ampol's site in Banksmeadow is a storage and loading facility. The tanks in Banksmeadow are there just for the trucks to load.
- David noted that most of the diesel comes from Korea and Japan, the jet fuel comes from China and the gasoline comes from India and, or Singapore.

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#### **Remediation process overview**

James and Nivari gave an overview of the remediation process that has been undertaken by Ampol following the overflow incident on 7 April at the Ampol Kurnell terminal. This overview is to ensure a general understanding of the process amongst CWG members, which will help inform the discussion on agenda items for future meetings.

- James provided an overview of the incident that occurred on 7 April and his role as Project Manager across 9 main workstreams as identified by Ampol following the incident.

The 9 main work streams are:

1. Environmental Clean-up & Remediation
  2. Facility Improvements
  3. Community Health and Safety
  4. Improved Community Relations
  5. Independent Investigations and Reviews
  6. Agency Relationship Management
  7. People, Culture and Communications
  8. Existing Kurnell Remediation Plan
  9. Extending Learnings across Ampol
- A community CWG member asked if the system on the Ampol Kurnell site is the same across all Ampol sites.
  - David advised that all the systems are very different at other Ampol sites.
  - James explained some of the work that Ampol has been focussing on as part of these work streams.

#### **Environmental Clean-up and Remediation**

- WSP engaged as a specialist environmental consultant
- Involves advice, assessment and validation of remediation work

#### **Facility Improvements**

- Short term Stormwater Improvement Plan which includes skimming the pits daily and increasing the bund wall height to 900mm.
- Long term corrective actions which include the learnings and recommendations taken into account from a number of investigations as well hydrology and engineering design consultants.

#### **Community Health and Safety**

- Short term odour investigations
- Long term odour management improvements.

James gave an overview of the remediation that has been completed to date.

- The bulk of remediation has been completed, with the exception of two locations on Captain Cook Drive.

#### **Environmental Expert Introduction**

Nivari explained WSP's role as environmental consultants.

- WSP has been engaged by Ampol via a strict procurement process. WSP is one of three consultants on a panel undertaking various environmental investigation programs for Ampol across Australia.
  - Nivari advised that WSP routinely undertakes work for multiple government and non-government clients, across a multitude of sectors including those in the oil and gas sector.
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**ACTION:** A future CWG meeting to include a presentation and discussion of the data for surface water where the booms are placed.

**ACTION:** Advise the CWG of the species of tree at the hot spot location.

- The initial WSP team was made up of 5 people. The suite of WSP team members responding to the overflow has grown to over 50 across 7 different disciplines.

#### **Overview of the incident remediation**

- WSP was immediately engaged following the incident to begin surveillance and identify areas of impact within Kurnell. The information informed the boundaries of the remediation areas. The emergency response was comprised of the following two phases:
  1. Initial assessment to understand the extent of the impact: a) soil and surface water sampling b) inspections using qualitative measures of visual and olfactory senses
  2. Remediation of public and open space areas based on the boundaries developed by the initial assessment.

Nivari outlined the remediation response process.

- Establishment of 8 work zones.
- Excavation of soil to 200 mm below ground surface (or deeper as necessary).
- Once impacted grass and soil was removed by Ampol contractors, WSP sampled the soil remaining in place within the each excavation. These are called validation soil samples.
- Through this process, 1300 soil samples were taken across the remediation zones to validate the remediation work. Validation sampling protocol was guided by NSW EPA sampling guidelines. The sampling density resulting in 1300 soil samples is significantly more than what is outlined as the highest density provided in the NSW EPA guidance document.
- Of the 1300 samples, 9 locations were identified with a chemical compound concentration above the selected guideline. At 8 of these locations further remedial works were undertaken to remove any remnant contamination. One location at the root zone of a tree on Captain Cook Drive is still pending. A risk assessment team has reviewed the area and have advised to leave soils in place given that further excavation at the base of the tree may compromise the tree as well as the creek bank. This area is not a hazard to human health the depth at which contamination was identified has been capped with 200mm of soil. Ampol has also engaged an arborist to assess the tree.

#### Air sampling

- Air sampling occurred at 17 different locations. Results showed that the air quality in Kurnell does not differ from that of other urban areas in Australia.

#### Private property sampling

- At the request of residents, 34 private properties have been sampled for soil, surface water and or bore water samples. Results from private properties identified concentrations well below the criteria and in a majority of instances below the detection limit of the laboratory. Reports documenting the results have been provided to owners/occupiers.

Nivari gave an overview of the remediation process moving forward

#### Validation Report

- A Validation Report is prepared to document the process, results and outcomes of a remediation program. A Validation Report will be prepared for the remedial works that have been undertaken in the public areas and presented to the NSW EPA.
  - The results that will be the core of the validation report has been made available to the public by, Ampol via its website.
- Summary
- The remediation and validation phase of public areas has been completed. Contamination above criteria were identified in less than 1% of samples. Based on this low occurrence of contamination in soil within public areas, remediation efforts have been successful.
  - Nivari suggested that the outcomes of the Validation Report be presented/discussed at a future Remediation CWG meeting.

#### Ecological Risk Assessment (ERA)

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- Medium to long term study to understand the impacts of the overflow to sensitive ecological receptors.
- Chemical data from the initial assessment and further sampling of sediment and surface water that has been undertaken recently will determine areas of focus of the ERA.
- A community CWG member expressed concern that the ecological study sampling commenced 3 weeks ago, 2 months following the incident.
- Nivari responded that an initial data set was available for review to evaluate ecological risks. The urgent priority initially was evaluating human health risks and obtaining a data set to allow the commencement of remediation.
- Damien noted that after the initial surface water testing, Ampol undertook the clean up to be then followed by the latest surface water testing which is being utilised for the ecological study.
- Nivari informed that the surface water sampling data has been made available to the community and published on Ampol's website. Nivari advised that ecological impacts tend to be longer term in nature, particularly regarding sensitive receptors.
- Community members acknowledged that the surface water data is available but requested that this be presented and explained at a CWG meeting.
- **ACTION:** A future CWG meeting to include a presentation and discussion of the data for surface water where the booms are placed.
- A CWG member noted the remaining hot spot contamination in the root area of a tree and asked what is the species of tree.
- Nivari advised that she didn't have information on the tree species with her at this meeting but will advise the CWG at the next meeting.
- **ACTION:** Advise the CWG of the species of tree at the hot spot location.
- A community CWG member noted that there are no barriers around the tree and asked how impactful the contamination is.
- Nivari responded that approximately 200mm of clean soil has been placed above the impacted depth. Essentially the contamination has been "capped". Capping is a routine method used to cut off an exposure pathway to contamination.
- A community CWG member questioned if the tree can be taken out as they feel that the removal of contaminated soil is more important than the survival of the tree.
- Nivari noted that consideration of scenarios of removing the tree and keeping it in place are under evaluation. WSP is investigating what will happen if they save the tree. The most likely result to save the tree will be to use hand tools to remove the contaminated soil.

#### Discussion - odour

- A community CWG member commented that the odour was the first thing they noticed when they drove into Kurnell. It was questioned if the odour is associated with the contaminated soil located at the tree root hot spot and the recent rain causing leaching.
- Nivari explained that WSP has taken a number of soil samples in the vicinity of the foot bridge which indicate that the contaminated area under the tree is an isolated hot spot.
- James advised that Ampol has engaged a specialised odour consultant who are currently undertaking odour surveys and recording conditions where odours are smelt. This process will be undertaken for several months both on and off the Ampol Kurnell site that will inform separate investigations to determine the possible sources of the odour.
- A community CWG member commented that a major concern is the odour at Silver Water Beach. The community member also observed odours at the creek by the Recreation Club. A complaint was made about the odour 9 years ago and complaints have been made over the years prior to the overflow in April. The CWG community member feels that the odour complaints have been ignored by Ampol.

James gave an overview of Ampol's commitments to the community moving forward:

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Ampol is working hard to reduce risk of repeat occurrence of the incident; engaged specialists to assist, short-term and long term actions or improvements are either completed or underway, establishment of CWGs to improve communications.

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#### **Future agenda items**

Discussion took place and the key issues are summarised, grouped for ease of understanding

#### Validation Report

- Explanation of key outcomes following the release of the Validation Report

#### Ecological risk assessment

- Explanation of the scope of work planned for the ERA
- What does currently available data tell us?

#### Creeks impacted by incident

- Role of the booms in the creek- past, current and future
- Role of sucker trucks past, current and future

#### Odour

- Investigations into the sources of Ampol related odour on and off the Ampol site.

#### Ampol Operations

- How the wastewater treatment plant separators work
- Other tanks used to store gasoline on site
- Other equipment stored on site e.g. "black bags"

#### Stormwater

- Stormwater on site
- Toxins or contaminants in the stormwater
- Movement of any contaminated stormwater off site

#### Landfarm

- Explanation of history
  - Long term plan for the land farm.
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#### **Wrap up**

- The next Remediation, Operation and Monitoring CWG meeting is tentatively scheduled for Wednesday 3 August, 2022 at 6:30pm.
  - The Chair noted that there are several topics that have been tabled during the inaugural meeting. She explained that not all topics will be able to be covered during the one meeting, so they will need to be addressed over multiple meetings.
  - The meeting closed at 8pm.
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