

# SMS Workshop

## AS2885.6 Safety Management Study – Proposed Land Use Change

SMS Action Plan: **Ampol to implement with Western Sydney University (WSU)**

| Item                                  | SMS Worksheet Item                                                                                                                                                                                                     | SMS Workshop Proposed Action                                                                                                                                                                                                                              | Responsible | Due Date                  |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------|
| Workshop Teams Notes                  |                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                           |             |                           |
| 1                                     | WSU ICOE Building - Emergency Exists                                                                                                                                                                                   | WSU to consider location of Emergency Exists & Assembly Area away from pipeline eg oval to west, noting pipeline Measurement Length radiation contour distances                                                                                           | WSU         | Design                    |
| 2                                     | WSU ICOE Building - Building Façade                                                                                                                                                                                    | WSU facade design to consider flammability from a pipeline rupture scenario.                                                                                                                                                                              | WSU         | Design                    |
| 3                                     | WSU ICOE Building - Piling                                                                                                                                                                                             | WSU to advise Ampol of proposed piling design & methodology, with expected resultant vibration levels                                                                                                                                                     | WSU         | Contractor Design         |
| 4                                     | Ampol pipeline location                                                                                                                                                                                                | WSU to undertake pipeline location pot-holing data, required at WSU site KP's (Kilometre Points)..                                                                                                                                                        | WSU         | Design                    |
| Land Use Change                       |                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                           |             |                           |
| 5                                     | AS2885 Location Class Review for proposed ICOE within Measurement Length<br><br>Note - a significant portion of the sub-division is also within the more significant 12.6 kw/m2 (fatality threshold) radiation contour | Primary Location Class T2 (for existing WSU complex) <u>retained</u> , to represent normal ICOE occupation (circa 600 people)                                                                                                                             | Ampol       | Completed                 |
| 6                                     |                                                                                                                                                                                                                        | Add secondary Class of "Crowd" at ICOE KP's, for anticipated maximum / peak occupation (circa 1000 people). Treat consistent with T2 primary Class.                                                                                                       | Ampol       | Completed                 |
| 7                                     |                                                                                                                                                                                                                        | Ampol to assess (minor) increase to southern KP for application of T2 Location Class.ie needs to change to pick-up the ICOE plot -> may require revised HCA assessment, which may lead to need for pipeline protection measures to achieve ALARP outcome. | Ampol       | Post-workshop             |
| 8                                     |                                                                                                                                                                                                                        | Ampol to implement field requirements eg signage for T2 covering ICOE KP's                                                                                                                                                                                | Ampol       | Prior to ICOE occupation. |
| 8b. Threat Register: Credible Threats |                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                           |             |                           |
| 9                                     | Threat #5 - Excavation for construction activity outside Easement                                                                                                                                                      | Concept design completed - all ground works in WSU site across road from pipeline.<br>Noting any change to off-plot activities near easement to be advised to Ampol.                                                                                      | WSU         | Completed                 |
| 10                                    |                                                                                                                                                                                                                        | WSU to seek Ampol supervision for any works within 5m of pipeline                                                                                                                                                                                         | WSU         | Construction              |
| 11                                    | Threat #7 - Vibration from site works                                                                                                                                                                                  | WSU to provide piling design & methodology to Ampol                                                                                                                                                                                                       | WSU         | Contractor Design         |
| 12                                    |                                                                                                                                                                                                                        | Approved Vibration Monitoring required for any works within 20m of pipeline                                                                                                                                                                               | WSU         | Construction              |
| 13                                    | Threat #8 - Electrical Interference                                                                                                                                                                                    | Ampol to advise if new sub-station requires a CP impact study                                                                                                                                                                                             | Ampol       | Design                    |