

8. USYD RESPONSE TO ENVIRONMENT PROTECTION AUTHORITY SUBMISSION

SSD 7055 – F23 ADMINISTRATIVE BUILDING	
EPA ISSUE – F23 ADMINISTRATION	USYD RESPONSE
<p>Site investigation and remediation</p> <p>1. The proponent be required prior to commencing works to prepare and implement an appropriate procedures for identifying and dealing with unexpected findings of site contamination, including asbestos containing material, for each of the building sites.</p>	<p>USYD highlights the Douglas Partners Phase 1 report which concludes (pp11):</p> <p>8.5 Discussion of Contamination Results</p> <p>The analyte concentrations in the soil samples analysed were within the adopted SAC. No asbestos was detected in the soil samples and no significant building rubble was observed in the test bores. It is noted however that there are limitations to the test bore method with regards to detecting asbestos and therefore it is possible that asbestos may be present in the fill material.</p> <p>Based on the results of the current assessment it is considered that the site is compatible with the proposed development from a contamination perspective and that there is no evidence of widespread or significant contamination at the site.</p> <p>However based on the preliminary nature of the investigation it is recommended that an unexpected finds protocol be prepared and implemented during bulk earthworks and excavation to provide appropriate management procedures in the event that unexpected contamination is encountered during works.</p> <p>In response to the DPE request, Douglas Partners provided the University with advice (letter dated 29 April 2016) which reiterates:</p> <p><i>“it is considered that the site is compatible with the proposed development from a contamination perspective and that there is no widespread or significant contamination at the site.”</i></p>

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	<p>and concluded with the following:</p> <p>“With regards to the third point, Lend Lease Buildings Pty Ltd has prepared <i>University of Sydney, F23 Administration Building, Contaminated Soil and Water Management Plan</i>, 1 April 2016. The plan details contingency measures for the case that unexpected contaminated soil or groundwater is encountered during the construction phase of the project, even though remediation works are not proposed for the project. DP considers that this plan acts as the recommended finds protocol.”</p> <p>By email dated 2 May 2016 to the university, DPE has advised:</p> <p>“In regards to the F23 site and having regard to the additional information provided by Douglas Partners, the Department is satisfied that the investigations undertaken within the PSI report are adequate for exhibition”.</p> <p>On this basis, no further Phase II or RAP is required for the proposed F23 development.</p> <p>An <i>Unexpected Finds Protocol</i> (UFP) report, prepared by Lend Lease (dated 1/04/2016 rev 1) for the F23 Administration building was included with the SDD application and located within EIS Appendix R Geotechnical and PSI.</p>
2. The proponent be required to satisfy the requirements of the <i>Protection of the Environment Operations Waste Regulation 2014</i> with particular reference to Part 7 ‘asbestos wastes’.	The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent.
3. The proponent be required to consult with SafeWork NSW concerning the handling of any asbestos waste that may be encountered during the course of the project.	The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent.

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Noise and vibration 4. The proponent be required to ensure that demolition, site preparation, construction and construct-related work is undertaken only during the standard construction hours recommended in Table 1 Chapter 2 of the Interim Construction Noise Guideline, July 2009.	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent.</p>
Construction hours (intra-day respite periods) 5. The proponent be required to schedule intra-day 'respite periods' for construction activities identified in the Interim Construction Noise Guideline as being particularly annoying to noise sensitive receivers, including surrounding residents and both nearby hospitals.	<p>Agreed – for inclusion as part of the SSD conditions of consent.</p>
Queuing and idling construction vehicles and vessels 6. The proponent be required to ensure construction vehicle (including concrete agitator trucks) involved in construction and construction-related activities do not arrive at the project site or in surrounding residential precincts surrounding that site.	<p>A Traffic Management Plan has been issued to RMS and City of Sydney Council for review and comment.</p> <p>Construction vehicle movements and queuing for the F23 Administration Building site will be limited to Universities Fisher Road, the portion of Fisher Road between City Road and the Madsen Building will be restricted to construction vehicles only for the duration of the project with traffic control at all entrances and exits.</p> <p>The University confirms it can satisfy the requirements as part of the SSD conditions of consent as required by the consent authority.</p>
Dust control and management 7. The proponent be required to: (a) minimise dust emissions on the site, and (b) prevent dust emission from the site.	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p>

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<p>Erosion and sediment control</p> <p>8. The proponent be required to ensure that:</p> <ul style="list-style-type: none"> (c) all waste generated during the project is assessed, classified and managed in accordance with the “Waste Classification Guidelines Part 1: Classifying Waste: (Department of Environment and Climate Change and Water, December 2009); (d) the body of any vehicle or trailer, used to transport waste or excavation spoil from the premises, is covered before leaving the premises to prevent any spill or escape of any dust, waste, or spoil from the vehicle or trailer; and (e) mud, splatter, dust and other material likely to fall from or be cast off the wheels, underside or body of any vehicle, trailer or motorised plant leaving the site, is removed before the vehicle, trailer motorised plant leaves the premises. 	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p>
<p>Waste control and management</p> <p>9. The proponent be required to ensure that appropriate waste and rinser water on not disposed of on the development site.</p>	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p>
<p>Noise and vibration impacts / Mechanical plant and equipment</p> <p>10. The proponent be required to:</p> <ul style="list-style-type: none"> (a) provide a worst case quantitative assessment of the ‘night-time’ background noise level in accordance with the guidance material provided in the New South Wales Industrial Noise Policy; and (b) ensure plant and equipment does not generate noise that exhibits tonal or other annoying characteristics. 	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p>

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<p>11. That consideration be given to requiring the proponent -</p> <ul style="list-style-type: none"> (a) To undertake noise compliance monitoring and assessment during commissioning of the mechanical plant and equipment serving each building; and (b) to report the results of the compliance assessment monitoring referred to in (a) to confirm that noise levels do not exceed levels predicted in the required noise impact assessment and acceptable noise criteria identified in the NSW Industrial Noise Policy, January 2000. 	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p>
<p>Waste management</p> <p>12. The proponent be required to identify and implement feasible and reasonable opportunities for reuse and recycling of waste, including food waste.</p>	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p> <p>Note, USYD supplied Appendix Q - Operational Waste Management Plan, prepared by WasteAudit (April 2016) as part of the original EIS documentation.</p>

SSD 7054 – ADDITIONAL MATTER FOR F07 LEES 1 BUILDING	
EPA ISSUE – LEES1	USYD RESPONSE
1. Supplementary Clarification – Radioactive Substances	<p>The University acknowledges the requirement to apply for a review of the its current radiation management licence prior to operation of the X-Ray Crystallography equipment or any other radioactive substances and radiation apparatuses within the building.</p> <p>The timeframe for procurement and installation of the X-Ray crystallography may NOT coincide with the completion of building works. Part of the operational commissioning of the facility will include application for review of any existing licences.</p>
2. Supplementary Clarification – Clinical & Related Waste	<p>The LEES1 Waste management plan is provided in Attachment 6. The plan identifies the following waste streams:</p> <ul style="list-style-type: none"> • General Waste; • Recyclable waste; • Biological (PC2 laboratory) waste; • Chemical waste; • Radioactive waste; • Compressed gas cylinders waste. <p>It proposes the approach to management of:</p> <ul style="list-style-type: none"> • Biological Waste • Chemical Waste • Radioactive waste

SSD 7054 – ADDITIONAL MATTER FOR F07 LEES 1 BUILDING

EPA ISSUE – LEES1

USYD RESPONSE

USYD Response to Submission - supplied 20 September 2016

Site investigation and remediation

1. The proponent be required prior to commencing works to prepare and implement an appropriate procedures for identifying and dealing with unexpected findings of site contamination, including asbestos containing material, for each of the building sites.

The EIS has included a Phase 1 (July 2015), Phase 2 and RAP reports (May 2016), all prepared by Douglas Partners and contained within EIS Appendix Q.

An *Unexpected Finds Protocol* (UFP) report, prepared by Richard Crookes Constructions (26 April 2-16) is also included with the SDD application and located within EIS Appendix Q.

2. The proponent be required to satisfy the requirements of the *Protection of the Environment Operations Waste Regulation 2014* with particular reference to Part 7 'asbestos wastes'.

The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent.

3. The proponent be required to consult with SafeWork NSW concerning the handling of any asbestos waste that may be encountered during the course of the project.

The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent.

Noise and vibration

4. The proponent be required to ensure that demolition, site preparation, construction and construct-related work is undertaken only during the standard construction hours recommended in Table 1 Chapter 2 of the Interim Construction Noise Guideline, July 2009.

The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent.

Construction hours (intra-day respite periods)

5. The proponent be required to schedule intra-day 'respite periods' for construction activities identified in the Interim Construction Noise Guideline as being particularly annoying to noise sensitive receivers, including surrounding residents and both nearby hospitals.

Agreed

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EPA ISSUE – LEES1	USYD RESPONSE
<p>Queuing and idling construction vehicles and vessels</p> <p>6. The proponent be required to ensure construction vehicle (including concrete agitator trucks) involved in construction and construction-related activities do not arrive at the project site or in surrounding residential precincts surrounding that site.</p>	<p>A traffic management plan has been issued to RMS and Council for review and comment. RMS has already approved a Construction Zone adjacent to the site on City Road for the proposed services augmentation and early works to the site. It is noted that the construction zone has time restrictions associated with its usage.</p> <p>The University acknowledges the request, will pursue a similar application to RMS for the actual construction of the project, and confirms it can satisfy the requirements as part of the SSD conditions of consent as required by the consent authority.</p>
<p>Dust control and management</p> <p>7. The proponent be required to:</p> <ul style="list-style-type: none"> (a) minimise dust emissions on the site, and (b) prevent dust emission from the site. 	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p>
<p>Erosion and sediment control</p> <p>8. The proponent be required to ensure that:</p> <ul style="list-style-type: none"> (a) all waste generated during the project is assessed, classified and managed in accordance with the “Waste Classification Guidelines Part 1: Classifying Waste: (Department of Environment and Climate Change and Water, December 2009); (b) the body of any vehicle or trailer, used to transport waste or excavation spoil from the premises, is covered before leaving the premises to prevent any spill or escape of any dust, waste, or spoil from the vehicle or trailer; and (c) mud, splatter, dust and other material likely to fall from or be cast off the wheels, underside or body of any vehicle, 	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p>

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<p>trailer or motorised plant leaving the site, is removed before the vehicle, trailer motorised plant leaves the premises.</p>	
<p>Waste control and management</p> <p>9. The proponent be required to ensure that appropriate waste and rinser water on not disposed of on the development site.</p>	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p>
<p>Noise and vibration impacts</p> <p>Mechanical plant and equipment</p> <p>10. The proponent be required to:</p> <ul style="list-style-type: none"> (a) provide a worst case quantitative assessment of the 'night-time' background noise level in accordance with the guidance material provided in the New South Wales Industrial Noise Policy; and (b) ensure plant and equipment does not generate noise that exhibits tonal or other annoying characteristics. 	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p>
<p>11. That consideration be given to requiring the proponent -</p> <ul style="list-style-type: none"> (a) To undertake noise compliance monitoring and assessment during commissioning of the mechanical plant and equipment serving each building; and (b) to report the results of the compliance assessment monitoring referred to in (a) to confirm that noise levels do not exceed levels predicted in the required noise impact assessment and acceptable noise criteria identified in the NSW Industrial Noise Policy, January 2000. 	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p>

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EPA ISSUE – LEES1	USYD RESPONSE
Waste management 12. The proponent be required to identify and implement feasible and reasonable opportunities for reuse and recycling of waste, including food waste.	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p>
Clinical and related waste – LEES1 13. The proponent be required to identify the nature and scope of any clinical and related waste likely to be generated during operation of the LEES1 (Carslaw building extension) and the measures proposed to handle, store, transport and dispose of those wastes, in any.	<p>The University acknowledges the request and can satisfy the requirements as part of the SSD conditions of consent, as required by the consent authority.</p>