



WORKS PERMIT

Airports Act 1996

Airports (Building Control) Regulations

Regulation 2.11

File no. 08/4986

Issued To

Name Water Delivery Alliance

Postal Address Locked Bag 3001

Erskineville NSW

Postcode 2043

Contact Person Andrew Wild

Telephone 0438 246 344

Fax 9517-4905

Email andrew.wild@wdalliance.com

Lessee Details

Name Sydney Airport Corporation Limited

Postal Address Locked Bag 5000

Sydney International Airport

Postcode

Telephone

Fax

Location of Works Lot 5 DP 1050923 and Lot 1 DP 830952

Sydney Airport

Contractor

Name Water Delivery Alliance

Address Locked Bag 3001

Erskineville NSW

Postcode 2043

Telephone 0438 246 344

Fax

Contact Person Andrew Wild

Telephone

Fax

Details of Works Experts

to be engaged in the works:

	Name	Cat./Class	Req. No
1.	Water Delivery Alliance	Engineer/Civil	
2.	Water Delivery Alliance	Engineer/Mechanical	
3.	Water Delivery Alliance	Engineer/Electrical	
4.	Water Delivery Alliance	Quantity Surveyor	
5.	Water Delivery Alliance	Contractor	

Nature of Works

Description of Works Construct a Utility (Water) Pipeline to Enable the Delivery of Water from the Desalination Plant at Kurnell to the Existing Water Desalination Network at Erskineville

Stage of work permitted Whole

Cost of work \$1,750,000

Value of Fee for Works \$4,000

Inspection Requirements

The mandatory inspection stages are: Final Inspection

Use of Works

A certificate of compliance is required to be issued by the Airport Building Controller prior to the use of this work or part.

Duration of Approval

This approval has effect until: 16 October 2011

This permit incorporates the drawings, specifications and documents listed below:

Drawing Nos.

Civil

Drawing Number	Revision	Date
Sketch-REP-RO-C16	4	01/04/08
WMKE1-10-7003	A	25/07/08
WMKE1-10-7007	A	12/05/08
WMKE1-RO-1040	A	12/08/08
WMKE1-RO-1041	A	12/08/08
WMKE1-RO-1042	1	21/05/08
WMKE1-RO-1043	0	08/08/08
WMKE1-RO-1047	0	08/08/08
WMKE1-RO-2005	A	08/08/08
WMKE1-RO-5040	A	12/08/08

WMKE1-RO-5041	A	12/08/08
SKETCH-REP-MA-C15	2	21/05/08
WMTEMP-SS-100	A	18/04/08
WMTEMP-SS-101	B	18/04/08
WMKE1-SS-2000	A	04/07/08
WMKE1-SS-2001	B	04/07/08

In issuing this permit, reference has been made to the following: documents:

The Airports Act and Building Control Regulations 1996.

The Building Code of Australia 2007

Sydney Airport Corporation Limited consent SC 08/072 dated 16 October 2008

Civil design certification by Craig Nichelson of Water Delivery Alliance dated 20 May 2008

Environment Assessment Report by Peter Carson of GHD & Wayne Duffy of SWC dated 18 April 2007

Review of Environmental Factors for Pipeline Alignment through Airport Land dated May 2008

Extract of Development Agreement dated 10 October 2008 between Sydney Airport Corporation Limited & Sydney Water Corporation for the Desalination Pipeline

Safe Work Method Statement by Water Delivery Alliance dated 11 July 2008

Construction Environmental Management Plan dated 11 July 2008

Desalination Water Delivery System Preferred Project Report dated August 2007

Cathodic Protection System & AC Mitigation details

Arborist Report by Dennis Marsden dated 16 May 2008

Environmental Compliance Sheet dated 16 October 2008 by Andrew Wild.

Conditions

This work permit is subject to the following conditions:

General Requirements

1. Compliance must be given to the provisions of the Airports Act 1996 and Airports (Building Control) Regulations 1996.
Reason: Statutory.
2. This approval relates to works within the confines of the Airport boundaries only.
Reason: To clarify the extent of the approval
3. This permit authorises the removal of three trees, as detailed in the Arborist Report by Dennis Marsden dated 16 May 2008.
Reason: To clarify that this permit permits the removal of vegetation.
4. An application for a Certificate of Compliance must be submitted and obtained on completion of the works.
Reason: Statutory.
5. Prior to the Airport Building Controller issuing a Certificate of Compliance a Sydney Airport Corporation Limited Compliance Certificate must be provided to the Airport Building Controller indicating the conditions of the SACL consent SC 08/072 dated 16 October 2008 have been complied with.
Reason: To ensure the Sydney Airport Corporation Limited consent is complied with.
6. Approval must be obtained from Rail Corp prior to the commencement of tunnelling work in Lot 1 of DP 830952.
Reason: To ensure the stability of the existing goods rail line.

7. Prior to Airport Building Controller issuing a Certificate of Compliance a copy of "As Built" drawings must be submitted.

Reason: To provide as constructed documentation for appropriate records.

8. The contractor must restore all areas affected by the proposed works to the satisfaction of the Airport Building Controller.

Reason: To ensure the surrounding area is restored to original state.

Site Requirements and Structure

9. Prior to the issue of a Certificate of Compliance, certification from an appropriately qualified structural engineer must be submitted to the Airport Building Controller to certify that the piles have the required safe working load capacities.

Reason: To ensure the structural stability of the pipeline.

10. Upon completion of the works and prior to the issue of a Certificate of Compliance, a Civil Engineer's certificate is to be submitted to the Airport Building Controller certifying the completed works.

Reason: To ensure the structural stability of the pipeline and support structures.

11. Fixed platforms, walkways, stairways and ladders must comply with Australian Standard 1657. Certification shall be provided to the Airport Building Controller prior to a certificate of compliance being issued.

Reason: Statutory.

Documentation Required Prior to Use

Certification and other documentation from an appropriately qualified person for the following:

Item	Description
1.	An application for a Certificate of Compliance is submitted.
2.	Sydney Airport Corporation Limited Compliance Certificate to the effect that the SACL consent has been satisfied.
3.	As built drawings.
4.	Proof that licence agreements in relation to the installation of the pipeline have been finalised.
5.	Civil engineer's certification of the completed works.
6.	Structural Engineer's certification of piling, pile caps and foundation material to support the design loads of the proposed pipeline.
7.	Certification of platforms, stairways and ladders to AS 1657.
8.	Waste Disposal Certificate from a licensed landfill site of all exported material.

The above schedule is for guidance only. The Airport Building Controller reserves the right to add or delete the items in the schedule as necessary upon inspection on site.

Airport Building Controller

Signature:

Trevor Dartnell

Date of issue 16 October 2008

This form and the above signature has been made for and on behalf of the Commonwealth of Australia. The Airport Building Controller is a statutory office holder appointed under the Airports (Building Control) Regulations.

Note: Under regulation 5.02 the applicant for the approval may make application to the Administrative Appeals Tribunal to have the decision of the Airport Building Controller to impose a condition on a building approval reviewed.

Environmental Protection Requirements

Please note that the (“Regulations”) referred to are the Airports (Environment Protection) Regulations 1997.

Compliance with the Airport Environment Strategy

All operators of undertakings on the airport must comply with the Regulations and have the following general duties:

- R 4.01 General duty to avoid polluting
- R. 4.03 Duty to use pollution control equipment and keep it in proper working order.
- R 4.04 Duty to preserve the natural and cultural heritage environment of the airport.
- R 4.05 Duty to give notice to Sydney Airports Corporation Limited (SACL) of a cultural heritage discovery.
- R 4.06 General duty to prevent offensive noise from occurring.
- R 4.09 Duty to use noise control equipment and to ensure that it is properly maintained.

All operators of undertakings on the airport must take all reasonable steps to ensure that they comply with the Sydney Airport Environment Strategy and Conditions of Consent issued by SACL for this project.

Construction Environment Management Plan

A construction environmental management plan (CEMP) for the construction/excavation phase of the project works is required to be submitted to the Airport Environment Officer by the Contractor 14 days before the commencement of construction/excavation works.

The CEMP should ensure that the following key aspects are described in detail:

- Waste management – particular focus should be placed on the removal of potentially contaminated soils/groundwater (if found), waste classification, demolition waste from old infrastructure, hazardous wastes;
- Water quality management – (e.g. groundwater dewatering and stormwater collection/treatment prior to disposal). Note that the CEMP needs to include an erosion and sediment control plan (ESCP) for the works;
- Heritage management – particular focus should be placed on construction activities and mitigation measures around the SWSOOS
- Flora and Fauna – particular focus should be placed on identifying any vegetation or habitat likely to be affected by the proposal and the potential impacts on flora and fauna on airport land and
- Air quality management – (dust control, FOD)
- Noise and Vibration Management – particularly focus should be provided on activities that may be carried out during curfew periods i.e. between 11:00pm and 6:00am; and
- Incident/emergency Response Plan – The plan must be consistent with the Airport Emergency Plan.

Failure to comply with these general requirements could incur further enforcement action by the AEO under Part 7 of the Regulations.

Incident Management and Reporting

All operators of undertakings on the airport have a duty to notify the SACL Project Manager immediately should there be any environmental incident during the course of these works.

Reasons: Statutory (R6.04 & R6.05) and compliance with the Airport Environment Strategy.

Stormwater Quality & Erosion Control

The contractor shall minimise the risk of stormwater contamination by ensuring that construction activities do not take place in close proximity to stormwater drains. If this cannot be avoided, temporary covers should be placed over drains or temporary bunding be provided to prevent run-off and contaminants entering the drain.

The following are examples of some contaminants that are not to be discharged, or placed in a position where they could lead to discharge to the stormwater system:

- concrete slurry or concrete mixer wash-out;
- cutting saw slurry;
- paint and paint brush wash down water;
- oil, fuel or other hydrocarbon contaminants; and
- vehicle or plant wash-down water.

Measures to minimise the risk of soil erosion and sediment loss should be considered by the contractor. Some of these measures include:

- Minimise the area of excavation open at any one time;
- Utilise erosion and sediment control measures such as silt fences, hay bales or geotextile matting; and
- Maintain sediment and erosion control measures, particularly after heavy rainfall.

The contractor shall implement appropriate stormwater management measures in accordance with Clause D4-Water Quality contained in Part D of SACL's works specification document (Ref 3384t30a/RN, 15/3/04).

Reasons: Statutory and protection of water quality (Part 4, & Schedule 2 of Regulations)

Air Quality

Odour and visible contaminants such as dust, smoke and fumes are not to be released to the environment unless authorised. Conditions where dust is causing visible deposition on cars and buildings, or visible dust clouds should be reported immediately to the SACL Environment Coordinator or AEO.

The contractor must implement appropriate dust control measures in accordance with Clause D3-Air Quality contained in Part D of SACL's works specification document (Ref 3384t30a/RN, 15/3/04).

Reasons: Statutory and protection of air quality. (Part 4 and Schedule 1, Regulations)

Contaminated Soils and Groundwater

If groundwater is encountered within excavations during the works, this water must be sampled and analysed to validate the absence of petroleum hydrocarbons or other analytes listed under Schedule 2 of Regulations, prior to disposal.

If soil or groundwater suspected of containing contamination is encountered during the works, the contractor should contact the SACL Project Manager or AEO immediately to discuss the most appropriate course of action.

The contractor must implement appropriate control measures in accordance with Clause D5-Surface Disturbance and Clause D7-Soil Pollution contained in Part D of SACL's works specification document (Ref 3384t30a/RN, 15/3/04).

Reasons: Statutory and protection of the environment. (Part 6, of Regulations), state legislative requirements and compliance with the Airport Environment Strategy.

Solid and Liquid Waste

All waste materials, whether solid and liquid wastes must be disposed off airport land in accordance with the NSW Department of Environment and Climate Change (DECC) requirements.

No liquid wastes, including any surface water and/or groundwater that may have been encountered during dewatering practices are to be discharged into nearby drains or ponds without prior consultation and written approval from the SACL Environment Manager and AEO.

All solid wastes (including potentially contaminated sediment and spoil) are to be disposed in accordance with the corresponding DECC waste classification guidelines. Relevant records are to be maintained by the contractor and provided to the AEO for review, if requested to do so.

Reasons: State legislation and Airport Environment Strategy

Noise and Vibration Emissions

Offensive noise and vibration, as defined in Schedule 4 of the Regulations is not permitted from the construction site.

Whether noise or vibration is excessive or not is determined by; the proximity of the site to sensitive or commercial receptors (eg private or commercial properties); the time of day when the noise occurs; the duration of the noise; and the nature and characteristics of the noise.

If your activities are likely to cause a noticeable increase in the background noise levels at commercial or residential properties or in the vicinity of the airport, contact SACL for guidance in relation to legal requirements.

Reasons: Statutory (Schedule 4, and R 4.06 of Regulations) and compliance with Airport Environment Strategy.

Fuels and Chemicals

All fuels and chemicals are to be stored in spill trays or bunded areas capable of retaining the contents of the tanks or drums if they are damaged or leak. Spill clean up equipment should be available and staff trained in its use, if spillage of chemicals is possible.

The AEO requires that all refuelling activities are to be conducted outside the construction site.

Reasons: Statutory and protection of the environment (Part 4 & Part 6, and Schedule 2 of Regulations), compliance with Airport Environment Strategy, and legislative requirements.

Heritage/Cultural

Some parts of the airport are known to have been associated with historical activity and therefore may contain cultural artefacts, either Aboriginal or non-Aboriginal in origin. Therefore it is possible that cultural artefacts may be discovered during works on the airport.

Parts of the airport (land areas and buildings) have been identified by the Australian Heritage Commission and subsequently been listed as a heritage item. Works are proposed in the vicinity of the Southern Suburbs Sewage Ocean Outfall System (SWSOOS) which is a listed heritage item. If any impacts or incidents occur from the proposed works on the SWSOOS then work is to cease and the incident is to be immediately reported to the SACL Environment Manager for advice on any necessary action before work can recommence. Any incident may be referred to the Heritage Division of the Department of the Environment, Water and the Arts (DEWHAA) for advice and/or action.

If any items of cultural heritage are found on the airport, all works in the area where the artefact is discovered should cease immediately. The SACL Project Manager should then be contacted to determine the appropriate course of action.

Reasons: Statutory (R4.05), compliance with Airport Environment Strategy, and legislative requirements.

Flora and Fauna

The area surrounding Sydney Airport supports significant areas of habitat for flora and fauna, including the Botany Wetland System and migratory bird habitats within Botany Bay. The main areas within the Airport that have been identified as having natural value are the Engine Ponds and Mill Stream, which form part of the Botany Wetland System, and the marine environment within Botany Bay.

Any activity by the contractor must not have any adverse consequences on these areas. If any incident occurs which could impact on significant areas of habitat/vegetation then the SACL Environment Manager should be contacted to determine the appropriate course of action.

Reasons: Statutory (R4.04), compliance with Airport Environment Strategy, and legislative requirements.

Importation of Material

The contractor shall provide copies of all validation certificates and/or receipts from licensed landfill suppliers regarding the validity of the imported fill. Copies of these documents should be provided to the SACL Project Manager or AEO if requested to do so.

Note that the requirements regarding fill quality must comply with the SACL's procedure entitled Management of Spoil, Demolition Waste and Fill Material at Sydney Airport

Reasons: NSW legislative requirements and compliance with the Airport Environment Strategy.

Site Inspection

The AEO may visit the site during the proposed works to ensure compliance with the above conditions.

Reasons: Statutory (R 4 of Regulations).



APPLICATION FOR CERTIFICATE OF COMPLIANCE - OCCUPANCY/USE

Airports Act 1996

Airports (Building Control) Regulations

Regulation 3.02

To: Sydney Airport Building Controller

Postal Address GPO Box 594
 Canberra ACT

Postcode 2601

Building / Works Permit Reference Number: - **08/4986**

From (Name of Person applying).....

Position..... **Category/Class**.....

Business Name.....

Postal Address..... **Post Code**.....

Contact Person..... **Telephone**.....

Facsimile.....

Occupier.....

In accordance with Airports (Building Control) Regulation 3.02, I hereby apply for a Certificate of Compliance for the Building Activity at:

Location:.....

USE APPLIED FOR:

Part of building/site.....

Use.....

BCA Class (if applicable)

BUILDING EXPERTS (CONTRACTORS/PRACTITIONERS AND ARCHITECTS) WHO WERE ENGAGED IN BUILDING ACTIVITY:

Name	Category/Classification	Membership or Registration Number.
	Architect	
	Engineer-Civil	
	Engineer-Mechanical	
	Engineer-Electrical	
	Engineer-Hydraulic	
	Builder	

Signature of Applicant **Date:**