

Thursday, 23 March 2017

DL2591\_PJ0774

Mr Vince Hardy  
Cityscape Planning Projects  
PO Box 127  
Glenbrook NSW 2773

Email: vhardy@cityscape.net.au

Dear Sir,

**Re: DA16/0498 Proposed Dwelling at 259 West Wilchard Road, Castlereagh: Register of Responses**

DLA Environmental Services (DLA) was engaged by Cityscape Planning Projects [the Client] to perform an environmental assessment for the property identified as Lot 1 in DP 1181666, 259 West Wilchard Road, Castlereagh (the Site). The VENM QA assessment by DLA Environmental Services (dated 18 January 2017, ref: DL2591\_PJ0760) prepared for the Site were subject to review by Penrith City Council for the purposes of approving a proposed dwelling on the Site.

Following review of the aforementioned reports, comments were provided in an email on the 23<sup>rd</sup> of February 2017, where clarification and request for further information was made. The council's comments are *italicised* with the respective response by DLA provided in the register below. These changes have been reflected in the revised aforementioned reports which are to be read in conjunction with this letter.

Based on a review of the historic review of the Site, previous Site filling activities, available desktop search data and observations made during the site walkover, DLA consider Lot 1 in DP 1181666 **suitable for the intended land use consistent with NEPM (NEPC, 2013) Residential A – Residential with Garden / Accessible soil.**

1. *Section 4.0 states that “during importation from SUEZ Kemps Creek, DLA conducted soil sampling and seventeen primary soil samples collected from the Upper Castlereagh Placement Area”; however, only 17 samples appear in the data summary table provided in Appendix 1.*

A total of seventeen QA samples were collected from Kemps Creek Shales - Six samples from the source Site and eleven samples from the designated placement area. The results of all seventeen samples have been presented in the report DL2591\_PJ0773.

2. *A sampling plan detailing sampling points for stockpiled material (at excavation site) and of fill material at the subject site has not been provided for review. In the absence of this information, we cannot be certain that the methodology is appropriate to satisfactorily characterise the contamination status of all imported material and be confident that the site is suitable for its proposed residential use.*

Sampling plans for Site assessments at SUEZ Kemps Creek area during the period of material placement has been provided in Attachment 1.

The West Wilchard area (Lot 2 DP 1042570) was subject to a non-statutory Site Audit Statement (0310-1319-5) issued on the 19th of December 2013. The SAS concluded that the site is Suitable for Residential with accessible soil, including garden (minimal home-grown produce contributing less than 10% fruit and vegetable intake), excluding poultry. Since this time only Virgin Excavated Natural Material (VENM) was imported into the Site as per DA4 MOD9.

The subject site is within the Penrith Lakes Scheme in which PLDC have applied an importation protocol which has been reviewed by an EPA accredited Site Auditor to ensure PLDC adhere to the DA condition importing VENM materials which are suitable classified as VENM.

The importation of VENM to the West Wilchard block formed a small part of a significant 2 million tonne VENM import operation into the Penrith Lakes Scheme from the SUEZ Waste Facility at Elizabeth Drive, Kemps Creek. Applying the importation protocol, a review of the waste classification generated by the Kemps Creek Site by consulting company GHD was reviewed to ensure material was of a suitable quality and documented all pre-importation quality requirements. The material is then subject to registration checking and material placement inspections to ensure the classified material meets the previously supplied material description. Samples were taken from source and various active fill areas across the Penrith Lakes Scheme on a random basis. Sampling was done on the day VENM was imported to the subject site. All quality assurance sampling and testing has been conducted in accordance with the PLDC Importation Protocol and on this basis DLA has characterised all fill placed as VENM.’

The importation of VENM materials in accordance with the DA and Importation Protocol has not modified the site suitability as a residential site. Supplemental to this statement Quality Assurance sampling of VENM materials at the source site and when received has also demonstrated that the material chemically complies with the Residential A Land Use as defined by the National Environment Protection (Assessment of Site Contamination) Measure 1999 (Amended 2013)

3. *Section 3.0 states that in total approximately 8,000 tonnes of approved VENM material was imported from the approved single source location owned by SUEZ at Kemps Creek. Receipts for the purchase and transportation of this material have not been provided, and as such, we cannot be certain that this report corresponds with fill material imported to this site. Further, the Daily Site Report prepared by Soil Test Services (dated 28/4/16, report number: 03) includes a notation regarding the arrival of “imported tunnel shale from the NorthConnex Project” which is inconsistent with the ‘single source’ statement. As previously advised, if material was taken from one site and ‘stored’ on another site prior to being placed on the subject site than it must be acknowledged that the material can no longer be considered VENM.*

Noted. Sandstone from the NorthConnex Southern Portal Site was placed to provide a stable access path and material platform for material to be imported. The Sandstone was imported via Truck and Dog as VENM with materials subject to a waste classification and quality assessments as required by the PLDC importation protocol.

DLA have sighted the delivery dockets for VENM material imported to 259 West Wilchard Rd, Castlereagh from PLDC and is in accordance with the Importation Protocol. Further, the STS daily reports (22/4/16 & 27/4/17) contained typo errors regarding the source of the material and have since been revised (Attachment 2). NorthConnex material was imported from the tunnel to the site under similar Protocol arrangements to the SUEZ material.

4. *Further assessment of contamination is to be undertaken. This assessment is to supplement the VENM QA letter prepared by DLA Environmental Services (dated 18 January 2017, ref: DL2591\_PJ0760) and is to be undertaken with consideration of the National Environment Protection (Assessment of Site Contamination) Measure (2013). The assessment is to address all fill placement areas, including batters, consistent with the house pad and building platform identified in the ‘Construction Plan/Erosion & Sediment Control Plan’ prepared by Metricon dated 31/3/17 ref: 671572 and the house pad and building platform diagram (ref: 110088/SK50, dated: 13/4/16) as included in the VENM QA letter prepared by DLA Environmental Services (dated 18 January 2017, ref: DL2591\_PJ0760).*

*A report documenting the findings of this assessment is to be provided to Penrith City Council for review and assessment. This report is to be prepared in accordance with the NSW Environment*

*Protection Authority's 'Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites'. No works are to commence until the report has been submitted and approved by Penrith City Council.*

Noted. The report titled 'Preliminary Site Investigation - 259 West Wilchard Road Castlereagh,' by DLA Environmental Services (dated 21<sup>st</sup> of March 2017, ref: DL2591\_PJ0772) has been issued to Penrith City Council.

Refer to the revised reports for the aforementioned changes.

If you have any questions please do not hesitate to contact us.

Yours faithfully,

**DLA ENVIRONMENTAL SERVICES**



**Russell Jarman**

Environmental Consultant

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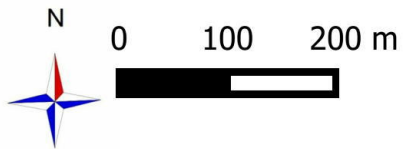
**ATTACHMENT 1 – Kemps Creek QA Sample Location Plans**

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**Legend**

● Sample Location and ID



Sydney Office  
Phone (02) 9476 1765  
Fax (02) 9476 1557

Maitland Office  
Phone (02) 4933 0001

Title  
VENM QA Assessment - Kemps Creek Site Assessment

Client  
Penrith Lakes Development  
Corporation Pty Ltd

Project No.	Document No.	Figure No.
DL2591		2
Date	Compiled	Revision No.
19/05/16	RJ	1.0



**Print 001**

**Stockpiled Shale being Loaded**



**Print 002**

**Base of shale stockpile**



**Print 003**

Top of clay stockpile



**Print 004**

In-situ shales being ripped





**Print 005**

In-situ ripped shales being loaded

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**ATTACHMENT 2 – Revised STS daily reports (22/4/16 & 27/4/17)**

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# DAILY SITE REPORT

Page 1 of 1



PROJECT: Penrith Lakes Development  
ADDRESS: West Wilchard Road, Castlereagh

JOB NO: L3884E  
DATE: 22/04/2016  
REPORT NO: 01  
AS3798 – 2007: TESTING LEVEL:

1. **WEATHER:** OVERCAST to FINE / MILD

2. **MACHINERY ON SITE:**

COMPACTORS: N/A  
SCRAPERS: N/A  
DUMP TRUCK: N/A  
BOGIE TRUCKS: N/A

EXCAVATORS: N/A  
BULLDOZERS: KOMATSU (D65EX)  
WATERCARTS: N/A  
OTHERS:

3. **EARTHWORKS IN PROGRESS:**

- Imported Crushed Sandstone from North Connex as per Black Clay Pit material (Kingsfeld) 286t
- Commencement of first Layer of import spec fill into the existing stripped floor of West Wilchard Road Lot.
- Layer of up to 150 mm thickness spread from Wilchard Rd entrance gate spreading downhill into the low floor and continued formation of a truck access track outside of the west fill boundary. Majority of sandstone fill was for a purpose of a ground layer to provide one directional access inside & outside of future lot fill area.

4. **SUBGRADE APPROVAL: None**

Area ID	Subgrade Approval Report No:	Comments
L37	L37 – WHC.001	Stripping Inspection Report

5. **LOT APROVAL: None**

Lot ID	Lot Approval Report No:	Comments

6. **SURVEY: None**

Type of survey:	Survey undertaken by:	Reference:

7. **INSTRUCTIONS RECEIVED ON SITE:**


- PLDC request to inspect the existing stripped floor area before commencement of fill operations today.
- Kingsfeld request to produce an initial GPS mapping of the stripped area & outlier boundary areas prior to filling with imported material

8. **INSTRUCTIONS GIVEN ON SITE:**

- Advised Kingsfeld after initial site inspection that the site was suitable for fill operations to commence.

9. **OTHER COMMENTS:**

- Sandstone being imported as the select material for the access platform was 75mm minus tunnel spoil, (same material as the stockpile at the top of the black clay pit).
- Material arriving homogenous and perceived to be approx. on or one percent above optimum moisture content.

Signed:  Tech' Name: Leonard Matrix  
All services provided by STS are subject to our standard terms & conditions.  
A copy is available on request.

FORM NO: A30a  
VERSION: 2  
REVISION: 1

DATE: 01/08/2005  
DATE: 17/6/2013

File: sitereport.doc/adminwkshts



# DAILY SITE REPORT

Page 1 of 1



PROJECT: Penrith Lakes Development  
ADDRESS: West Wilchard Road, Castlereagh

JOB NO: L3884E  
DATE: 27/04/2016  
REPORT NO: 02  
AS3798 – 2007: TESTING LEVEL:

1. **WEATHER:** FINE / WARM

2. **MACHINERY ON SITE:**

COMPACTORS: N/A  
SCRAPERS: N/A  
DUMP TRUCK: N/A  
BOGIE TRUCKS: N/A

EXCAVATORS: N/A  
BULLDOZERS: KOMATSU (D65EX)  
WATERCARTS: N/A  
OTHERS:

3. **EARTHWORKS IN PROGRESS:**

- Imported Crushed Sandstone from North Connex as per Black Clay Pit material (Kingsfeld) 866t
- Layer of up to 150 mm thickness spread from 20m inside Wilchard Rd gate entrance and spreading downhill in 2 thin layers overlying the lower floor as the first compaction layer. Layer was continued outside of the west boundary to extend a truck haul road to exit Castlereagh Rd.
- Half of the sandstone spec fill was utilized outside of the lot boundary area for purposes of truck haulage.

4. **SUBGRADE APPROVAL: Below**

Area ID	Subgrade Approval Report No:	Comments

5. **LOT APPROVAL: None**

Lot ID	Lot Approval Report No:	Comments

6. **SURVEY: None**


Type of survey:	Survey undertaken by:	Reference:

7. **INSTRUCTIONS RECEIVED ON SITE:**

8. **INSTRUCTIONS GIVEN ON SITE:**

9. **OTHER COMMENTS:**

- Sandstone being imported as the select material for the access platform was 75mm minus tunnel spoil, (same material as the stockpile at the top of the black clay pit).
- Material arriving homogenous and perceived to be approx. on or one percent above optimum moisture content.

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