



## Contaminated Soils Removal Progress Report

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### Clarence Valley Council Depot

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## Contents

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<b>Contents</b>	<b>1</b>
<b>1. Introduction</b>	<b>2</b>
<b>2. Compliance Requirements</b>	<b>2</b>
2.1 Pre-Start & Toolbox Training	2
2.2 Compliance Inspections	2
2.3 Onsite Monitoring and Inspections	3
2.4 Current Tonnage	3
2.5 Environmental Controls Operational	3
2.6 WHS Controls	7

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Report Revision:

Revision Number	Date	Author
B	13/01/2017	Rita Mann – Quality & Environment Manager

## 1. Introduction

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This Contaminated Soils Removal report has been authored by the Hutchinson Builders Clarence Valley Council Depot Project Team to provide the reader with a full descriptive of all site activities over the previous week and to provide an update to all key stakeholders on the current status of the environmental and work health and safety management concerns and the mitigation strategies that Hutchinson Builders have implemented to address these concerns.

It is the intent to use this report as evidence towards the overall site remediation. This report will sit in support of the site validation report as authored by GHD on works completion.

It is the intent of Hutchinson Builders to provide this weekly report to the following key stakeholders:

1. Clarence Valley Council;
2. Ridgemill Project Management;
3. 3<sup>rd</sup> Party EHP Accredited Auditor;
4. GHD.

## 2. Compliance Requirements

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### 2.1 Pre-Start & Toolbox Training

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Works commenced on the 8<sup>th</sup> December 2016. Daily prestarts are being conducted with all personnel. Continued risk management analysis with all key stakeholders is being undertaken daily, to review day's progress and addressing of any issues that have arisen.

A hygienist from GHD is attending site daily.

A task specific SWMS has been developed for the process removal and the content of the SWMS was presented to all site personnel by the Licenced Asbestos Removalist Supervisor. This SWMS is being reviewed and continually updated to address the issues as identified in the daily risk reviews on site.

All site personnel were again inducted to the SWMS and all personnel signing onto this said SWMS.

The 3<sup>rd</sup> Party EPA Auditor was onsite on the 6<sup>th</sup> January 2017, confirmed the excavation and transport of material from the site was being undertaken in accordance with Hutchinson Builders Waste Management Plan.

### 2.2 Compliance Inspections

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EPA attended site on Monday 12<sup>th</sup> December 2016, minor issues related to Tyson Street were raised, these will be addressed during the site lockdown procedure – application of polymer to the previous trenching works in Tyson Street.

As indicated in 2.1, the 3<sup>rd</sup> Party EPA Auditor attended site on the 6<sup>th</sup> January 2017.

SafeWork NSW attended site 5<sup>th</sup> January 2017 with nil issues to report.

EPA (North Coast Region) had correspondence with Hutchinson Builders 6/1/2017 regarding the transport of potentially contaminated soil from the CVC Depot site, South Grafton. Allegations raised by EPA were as follows,

- Incomplete covering/ sealing of the rear of trucks potentially carrying contaminated soil.
- Potential release of contaminated material from rolling up and unrolling tarps covering trucks outside the premises.

Hutchinson Builders responses as follows,

- Hutchinson Builders and Lantrak representatives are inspecting all trucks leaving the site. Any trucks that are suspect of having tarp malfunctions are required to reverse, unload soil, decontaminate and leave site. No trucks are being permitted to leave site that are suspect of air pockets.
- No trucks are permitted to uncover their load at any time after leaving the CVC Depot site, until they reach the registered Swanbank landfill to dump.

This investigation was closed out by EPA following Hutchinson Builders response.

## 2.3 Onsite Monitoring and Inspections

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### Air Monitoring

The GHD Hygienist has attended site daily to collect data and reset air monitors ongoing. Wind direction is reviewed and monitors placed accordingly. At all times Hutchinson Builders is maintaining air monitoring on the eastern boundary of the site.

To date all air monitoring samples were reported at less than 10 fibres per filter, which is calculated to be less than 0.01 fibres/ml and below the fibre detection limit in NOHSC: 3003 (April 2005).

These results are being forwarded to Clarence Valley Council, NSW EPA and NSW Work Safe for reference.

### Dust Monitoring

Dust monitoring is being completed on the southern, eastern and northern boundaries of the site.

The National Environmental Protection Measure (NEPM) for Ambient Air Quality (NEPC 1998 and 2016) standard for particles is 0.05mg/m3 average over a 24 hour period and 0.025mg/m3 average over one year.

SMS alerts are sent to the Environmental Manager for any readings that exceed 0.1mg/m3. Thus far there has only been one occasion where this has occurred which was between 3.20PM and 3.50PM on the 31<sup>st</sup> December on the northern monitor. Upon investigation it was found a smoke haze contributed to these readings, not dust from the site.

These results are being forwarded to Clarence Valley Council, NSW EPA and NSW Work Safe for reference.

### Site Inspections

The Site Representative is undertaking three formal inspections during the day. These are recorded on a checklist with photographic evidence and being forwarded to relevant stakeholders. The Hygienist is also required to sign off on these checklists daily to ensure compliance is being maintained with monitoring and current controls.

## 2.4 Current Tonnage

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At the time of authoring this report a total of 29,293.42 tonnes of contaminated materials had left site and passed over the Swanbank weigh bridge. A total of 890 trucks have left site through the decontamination process.

## 2.5 Environmental Controls Operational

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As previously indicated multiple air monitors are active onsite and on the site boundary.

Onsite watering is conducted continually; one water truck is allocated to the general site, whilst another operates at source of contaminated soils removal. Continued inspections have ascertained that over the past month and there has been no evidence of any dust plume. All weather haul roads were constructed mitigating dust creation by the trucks traversing through site.

All trucks are required to be decontaminated prior to leaving site, they are hosed, cleaned and pass through a wheel wash.

Watering is also being conducted on the school boundary, site personnel are required to sign off daily prior to works commencement that sprinkler system is activated.

Shade cloth on perimeter of site is inspected daily; the cloth is subject to vandals but is currently being maintained.

Tyson and Skinner Streets are being washed down daily on numerous occasions as required.

### Truck Wash:





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#### Site Haulage Roads – All Weather







**Tarp Tie down Procedure prior to entering wash bay:**





**Dust Suppression, water trucks being refilled:**



**Public roadway condition:**





## 2.6 WHS Controls

Hygienist is attending site daily, the licenced Asbestos Removal Supervisor is remaining on site during all operations and is reviewing all processes including truck departure (confirming decontamination and secured loads).

A Decontamination Unit has been implemented to allow site personnel the ability to decontaminate and place PPE on commencement and completion of works. The Asbestos Removal Supervisor is ensuring decontamination processes are being adhered to by the site personnel.

All non-essential personnel are remaining out of the Asbestos Work Area. Haulage roads are all one way mitigating plant and personnel interaction.

Traffic control is operating on site daily.

### Personnel Decontamination Unit:



### Truck Wash:



