



Contaminated Soils Removal Progress Report

Clarence Valley Council Depot

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Report Revision:

Revision Number	Date	Author
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1. Introduction

This contaminated soils removal report has been authored by the Hutchinson Builders Clarence Valley Council Depot project team to provide the reader with an update 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. 3rd Party EHP Accredited Auditor;
4. GHD.

2. Compliance Requirements

2.1 Pre-Start & Toolbox Training

Works commenced on the 8th 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 for inspections. GHD have provided visual clearance for asbestos in nominated portions of the site. Hutchinson Builders is now continuing with contract works surrounding the removal of existing in-ground bonded asbestos piping from the former Sewerage Treatment Plant infrastructure. Full visual clearance of the site will be provided upon completion of this task.

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 are inducted and signing onto the aforementioned SWMS.

The 3rd Party EPA Auditor was onsite on the 9th February 2017. Auditor observations and comments from site inspection as follows,

- Sediment controls, dust suppression, wheel washing, load covering, boundary monitoring etc was being conducted in a manner consistent with approved Hutchinson Builders waste management plan.

2.2 Compliance Inspections

EPA last attended site on Monday 12th December 2016. EPA raised an enquiry from a member of the public, description of enquiry as follows:

Asbestos concerns about water tankers spraying near convoys of trucks, Clarence Valley Council Depot, Corner of Vere St & Rushforth Rd, Grafton. On Saturday 28/1/17 at 11am, caller witnessed convoys of trucks from QLD pull up on the road to enter the site and a water tanker spraying water on the road. The trucks had the covers open on the road verge-caller understands the trucks from QLD should be already decontaminated, caller wants to know what was the reason for the water truck on the road.. Caller wants to know if there is any gap in the protocol process and why it was necessary to have water trucks up and down the road next to the trucks waiting to get into the site as the truck convoys should have been decontaminated once the covers are pulled back on the road.

Hutchinson Builders responded saying that the water truck that attends Vere St is simply to moisten the ground where the trucks are queuing in preparation to their call up on site. This is a measure to reduce the dust that is created by the trucks on Vere St. All vehicles that attend or queue in Vere St or leave the site have passed through the decontamination process onsite.

As indicated in 2.1, the 3rd Party EPA Auditor attended site on the 9th February 2017 with no issues to report.

SafeWork NSW attended site 5th January 2017 with nil issues to report.

2.3 Onsite Monitoring and Inspections

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. The monitors were triggered on Wednesday, 1/2/17. Upon investigation nil dust was being generated on the site, and the exceedances were due to a nearby bush fire creating a lot of smoke. GHD confirmed that the exceedances were due to the smoke in the air, and not 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 daily. 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

At the time of authoring this report a total of 72,007.42 tonnes of contaminated materials had left site and passed over the Swanbank weigh bridge. A total of 2,152 trucks have left site through the decontamination process.

Bulk excavation works involving the removal of contaminated soils is now complete. Hutchinson Builders is continuing with contract works surrounding the removal of existing in-ground bonded asbestos piping from the former Sewerage Treatment Plant infrastructure. Full visual clearance of the site will be provided upon completion of this task.

2.5 Environmental Controls Operational

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 two months 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:



Site Haulage Roads – All Weather





Tarp Tie down Procedure prior to entering wash bay:



Dust Suppression:



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:

