

Specific Gipps Street Work Permits allows the Long Term Environment Management Plan (LTEMP) Manager to ensure that site specific risks are considered, and suitable controls are implemented for identified high risk activities.

In turn, it also allows the LTEMP Manager to ensure that the environmental controls on the site (e.g. landfill gas mitigation system, leachate management system, capping, etc) are not adversely impacted by the activities being undertaken. This is important as the cost to repair or undertake remedial works on environmental controls can be considerable.

### **What works require a specific Gipps Street Work Permit?**

The following works require approval from the LTEMP Manager prior to being undertaken:

#### Work Around Buildings

1. Any subsurface works (of any depth) and hot works within 1 metre of buildings on site.
2. Any proposed penetration of building concrete slabs.

#### Asbestos Management Areas

3. Any works that involve ground penetration or excavation equal to or greater to 100mm.

#### Other Capping Areas

4. Any works that involve ground penetration or excavation equal to or greater than 500mm in depth.

#### Confined Spaces

5. Any works that involved confined spaces on site.

#### Leachate Management System

6. Any works that will impact the leachate management infrastructure.

## Required Information to Support Permit Request

Depending on the work being undertaken, the following information will need to be submitted as part of a permit request.

Requirement	When it is required
Environmental and Safety Works Plan	Required for all permit requests.
Job specific Safe Work Method Statement	Required for all permit requests.
Fill and spoil management plan	Required for any permit request that involves: <ul style="list-style-type: none"><li>• Work where fill material is required to be imported or where spoil will be generated that will not be placed back into the same location.</li><li>• Work that involves ground intrusion or excavation greater than 500mm in depth.</li></ul>
Details of proposed landfill gas (LFG) and asbestos monitoring to comply with LTEMP requirements	Required for any permit request that involves or where the work is likely to intercept the landfill below the capping layers.
Details of licensed asbestos removal contractor	Required for any permit request that involves asbestos.
Details of licensed asbestos assessor contractor	Required for any permit request that involves asbestos or where the work is likely to intercept the landfill below the capping layers.
Contractor issued Hot Works Permit	Required for any permit request that involve hot works.
Contractor issued Confined Space Permit	Required for any permit request that involve confined space work.

## **Environmental and Safety Works Plan**

An Environmental and Safety Works Plan is a plan that is established by a suitable qualified environmental consultant or someone the LTEMP Manager accepts has the appropriate skills and knowledge to prepare the plan.

The Plan outlines a work methodology that ensures that all environmental and safety requirements on site are met prior to, during and at the completion of works.

In some cases, an Environmental and Safety Works Plan may not be required because existing procedures exist. The LTEMP Manager will be able to inform if existing procedures exist for the proposed works.

## **Assessment Process**

When receiving a permit request, the LTEMP Manager will undertake the following assessment.

1. Has a Permit Request been submitted with all required information provided?
2. Is the information in the permit request satisfactory or are there any concerns?
3. Determine if the works are being carried out in an identified 'high risk' area of the site.
4. Check works against all the requirements in the LTEMP.
5. Will there be impacts to the leachate management system, LFG mitigation system, asbestos management areas or site capping?

The LTEMP Manager will endeavour to complete the permit assessments and responses within 5 days.

## Conditions of Approval

The following outlines the general conditions of approval that will apply to Gipps Street Site Work Permits. Stakeholders are to note that additional or modified conditions may be applied to specific work permits based on the works being proposed and the timing of those works.

### For all works

- This permit is issued with the understanding that the relevant workers have read the **Gipps Street Reserve - Environmental and Safety Requirements Document** and the **Long Term Environmental Management Plan**.
- The purpose of this permit is to ensure that all site safety risks are adequately considered and addressed prior to works and that the works do not adversely impact the environmental controls on site. It is the responsibility of the work supervisor organising the work to be satisfied with the SWMS for their contractor. As such, Council's work supervisor must view and be satisfied with the job specific SWMS provided for the works
- Under Council's contractor safety protocols, it is the responsibility of the work supervisor organising the work to be satisfied with the SWMS for their contractor. As such, Council's work supervisor must view and be satisfied with the job specific SWMS provided for the works.
- All works must be undertaken in accordance with the approved plans and documents provided as part of this permit.
- It is the responsibility of the work supervisor and/or contractor to undertake adequate assessment of any underground services and to ensure that services will not be impacted and that the work can be undertaken safely.
- Hot work permits issued by Council (for council workers) and by the Contractor (for contractor works) are required for all hot work on site.
- Confined Space permits issued by Council (for council workers) and by the Contractor (for contractor works) are required for all confined space work on site.
- The LTEMP Manager is to be notified immediately if any asbestos, other contamination or landfill gas are identified when works are being undertaken on site.

- In the case of an unexpected breach of capping layers or exposure of the marker layer, The LTEMP Manager is to be notified immediately. The contingency plan provided in Volume 1 of the LTEMP will be required to be followed in these situations.
- All fill, spoil and waste are to be managed in accordance with the approved fill and spoil management plan. Where one is not required, all spoil must be appropriately classified and taken to a waste facility that accept that type of waste. Any fill material used as part of the project must be:
  - Certified VENM, ENM, an approved EPA recovered resource, concrete, asphalt, decomposed granite or landscape soils that comply with AS4419. If it is proposed to use materials other than those listed, approval must be provided by the LTEMP Manager.
- If it is determined that the *LTEMP* is required to be updated due to these works, the cost to do so is [Estimated cost] and must be provided to Divisional Assurance and Security Operations by [Date].

#### For works in an asbestos management area

(Works that will not breach the landfill base capping layer. Where works will breach the base capping layer, also refer to "For works that may impact the capping layer" section)

- Asbestos works include any works that involve:
  - Disturbance of the geofabric layer or the soil and material below the geofabric layer.
  - Works within the Asbestos Management Areas below a depth of 100mm.
- The proposed intrusive works must comply with the requirements of Section 7 of the **LTEMP Volume 5 – Asbestos Capping Management Plan**.
- Works must be completed by a licensed asbestos removal contractor. The works must also be overseen by an independent licensed asbestos assessor.
- An asbestos work permit must also be obtained prior to works being undertaken.

<https://assetinformation.penrith.city/asbestos-permit>

- Monitoring for airborne asbestos fibres is to be carried out by a licensed asbestos assessor prior to and during periods of work within the capped

contaminated soils at positions nominated by the licensed asbestos assessor.

- Where the asbestos capping is to be reinstated, the requirements of **Section 4.4 of the LTEMP Volume 5 – Asbestos Capping Management Plan** are to be implemented.
- Upon reinstatement of the capping layer, the area is to be inspected by the Contaminated Land Consultant or a licenced asbestos assessor (LAA, if friable asbestos encountered) to complete a clearance inspection. Once a clearance inspection has been completed, a clearance certificate provided and the area deemed safe for reoccupation, the asbestos controls / management procedures will no longer be required.
- The LTEMP Manager is to be notified at the completion of the works so an inspection can be undertaken in line with Section 7 of the LTEMP Volume 5 – Asbestos Capping Management Plan.
- No payment should be made to the Contractor until the LTEMP Manager has completed the inspection and confirmed that the requirements of the LTEMP have been complied with.

#### For works that may impact the capping layer

- Any works that may impact the capping layer across the site, must comply with **Section 7 of the LTEMP Volume 4: Landfill Capping Management Plan**.
- For any intrusive works that will impact the capping layer, the works are to either be overseen by an appropriately qualified consultant or follow an approved written procedure from an appropriately qualified consultant.
- The reinstatement of the capping layer must be in line with **Section 4 of the LTEMP Volume 4: Landfill Capping Management Plan** and consider all requirements from the overseeing appropriately qualified consultant.
- In line with **Section 7.4 of the LTEMP Volume 4: Landfill Capping Management Plan**, Monitoring for landfill gas is required during the course of all excavation works likely to intercept the landfill below the capping layers. If there is uncertainty as to whether the landfill will be intercepted, then Landfill Gas (LFG) monitoring must be carried out as a precaution.
- In line with **Section 7.5 of LTEMP Volume 4: Landfill Capping Management Plan**, monitoring for airborne asbestos fibres is to be

carried out by a licensed asbestos assessor prior to and during periods of work within the capped contaminated soils at positions nominated by the licensed asbestos assessor.

- It is the responsibility of the work supervisor and/or contractor to undertake adequate assessment of any underground services and to ensure that services will not be impacted and that the work can be undertaken safely.
- The LTEMP Manager is to be notified at the completion of the works to undertake an inspection in line with **Section 8 of the LTEMP Volume 2: Landfill Gas Mitigation System Management Plan**.
- No payment will be made to the Contractor until the LTEMP Manager has completed the site inspection and confirmed that works have been completed satisfactorily.

#### For works in or within 1m of a building

- Any works within a building or within 1m of the slab is to comply with **Section 8 of the LTEMP Volume 2: Landfill Gas Mitigation System Management Plan**.
- In the event that adverse gas conditions are being experienced (above 1% v/v – 10,000 ppm), workers are to evacuate the building as a precaution and contact the LTEMP Manager as soon as possible.
- An appropriately qualified consultant is required to be engaged and oversee the following work:
  - Penetrations of the concrete slab greater than 200 mm.
  - Undertake works within the underlying clay cap or gravel blanket.
  - Direct impacts or amendments to the Landfill Gas Mitigation System.
- It is the responsibility of the work supervisor and/or contractor to undertake adequate assessment of any underground services and to ensure that services will not be impacted and that the work can be undertaken safely.
- The LTEMP Manager is to be notified at the completion of the works to undertake an inspection in line with **Section 8 of the LTEMP Volume 2: Landfill Gas Mitigation System Management Plan**.

- No payment is to be made to the Contractor until the LTEMP Manager has inspected the works and has confirmed works have been completed satisfactorily.

### Impact on Leachate Management Infrastructure

- Specific conditions to be determined as part of assessment outlined in Permit Assessment process.

## Disclaimers

In providing this permit, Divisional Assurance and Security Operations do not take on the overall safety responsibilities of the work being undertaken. The purpose of this permit is to ensure that all site safety risks are adequately considered and addressed prior to works and that the works do not adversely impact the environmental controls on site.