CONSTRUCTION & WASTE MANAGEMENT PLAN

TACO BELL RESTAURANT
52-54 BATHURST RD. ORANGE NSW 2800

Prepared by:

BD Architecture : Interiors
Suite 14 / Level 3
22-36 Mountain Street
Ultimo NSW 2007
## CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>Policy Statement</td>
<td>3</td>
</tr>
<tr>
<td>2.0</td>
<td>Responsibilities and Objectives</td>
<td>4</td>
</tr>
<tr>
<td>3.0</td>
<td>Induction and Training</td>
<td>5</td>
</tr>
<tr>
<td>4.0</td>
<td>Site Establishment and Constructions</td>
<td>5</td>
</tr>
<tr>
<td>4.1</td>
<td>Site</td>
<td>5</td>
</tr>
<tr>
<td>4.2</td>
<td>Construction Hours</td>
<td>5</td>
</tr>
<tr>
<td>4.3</td>
<td>Materials Handling</td>
<td>5</td>
</tr>
<tr>
<td>4.4</td>
<td>Hoarding</td>
<td>5</td>
</tr>
<tr>
<td>4.5</td>
<td>Pedestrian Traffic</td>
<td>5</td>
</tr>
<tr>
<td>5.0</td>
<td>Waste Management Plan</td>
<td>7</td>
</tr>
<tr>
<td>6.0</td>
<td>Strategies for Waste Management</td>
<td>9</td>
</tr>
<tr>
<td>7.0</td>
<td>Noise Management</td>
<td>10</td>
</tr>
<tr>
<td>8.0</td>
<td>Inspection and Audit</td>
<td>10</td>
</tr>
<tr>
<td>9.0</td>
<td>Reporting</td>
<td>11</td>
</tr>
<tr>
<td>10.0</td>
<td>Records</td>
<td>11</td>
</tr>
</tbody>
</table>
1.0 POLICY STATEMENT

As a responsible operator, QSR Pty. Ltd (QSR) is committed to minimising the environmental impacts associated with the development of the proposed new Taco Bell Restaurant in Orange.

The Construction Management Plan details how QSR and its appointed builder, will manage its responsibilities to ensure that all forms of construction related works that impact on the environment is controlled to acceptable and agreed limits. This will be achieved by proactively and vigilantly planning the construction process whilst at all times carefully considering the environmental impacts of the works.

The Construction Management Plan shall be implemented on this project and where appropriate tailored to the specific details of the project. The plan shall describe the scope of likely impacts, strategies and actions proposed to minimise impacts: the division of responsibilities including subcontractors and suppliers: site environmental monitoring: auditing and reporting on compliance with respect to the plan.

The scope of this plan embraces both the temporary impacts that the work will create during construction and the permanent (longer-term) impacts the construction process may have on the environment.
2.0 RESPONSIBILITIES and OBJECTIVES

The successful implementation of the Construction Management Plan is reliant on the collective efforts of all parties having an involvement in the construction process: the main contractor or builder, subcontractors and suppliers.

The Site Manager will ultimately be responsible for ensuring compliance with the Construction Management Plan. In summary, the site supervisor will be responsible for:

- Providing all necessary training including induction of project personnel.
- Reviewing construction method statements to check that adequate environmental management procedures are incorporated into the construction methodology.
- Maintaining an effective audit procedure to ensure compliance with the Construction Management Plan.
- Reviewing non-conformances to ensure corrective action is responsibly taken.
- Maintaining an effective reporting system.

The Site Manager may delegate some of the above responsibilities to other site personnel. Note, the delegation of responsibility does not in any way excuse the Site Manager from being accountable for the above.
3.0 INDUCTION AND TRAINING

All personnel employed on the project shall be required to participate in an Environmental Management Induction, the purpose of which will be able to:

- Introduce the Construction Management Plan
- Review in detail those elements of the Construction Management Plan, which directly relate to the work to be carried out by the person or persons being inducted.
- Review procedures to be followed in the event of an emergency.

Records shall be maintained of the attendees on the attached form. The induction will generally form part of the site induction process.

4.0 SITE ESTABLISHMENT and CONSTRUCTION

4.1 The Site

The site is situated at the corner of Bathurst Rd. and Eyles St. and has already been cleared by the previous owner.

4.2 Construction Hours

The intended hours of work for construction are

- Monday to Friday: 7.00am to 5.30pm
- Saturday: 7.00am to 3.00pm
- Sundays and public holidays: no work

These hours are in-line with the NSW EPA, Environmental Noise Control Manual.

4.3 Materials Handling

Due to the nature and location of the project materials handling will be given serious and careful consideration. The off-site fabrication of building components will be maximised. The sources of materials handling will be via the use of

- Licensed Forklift
- Temporary Cranes as required

The crane will only be used for the lifting of materials at the roof level. It is envisaged that the initial requirements of the crane will only be minimal coming to site one or two days a week and would peak for a very short period at a maximum of two to three days a week.

When the crane is in use the following guidelines will be implemented:

- Accredited traffic controllers will be used to manage all traffic on surrounding roads and will involve flagmen and warning signs.
- Traffic and pedestrian flow will be maintained at all times when using the crane.
4.4 Site Fencing

It is intended to provide temporary chain mesh security fencing to be erected along the perimeter of the building site. The fencing will act as protection and security to the public whilst facilitating location for site sheds, etc.

4.5 Pedestrian Traffic

Pedestrian movement during the construction phase will not be affected by the development. Pedestrian management considerations are detailed below. It includes the following:

- Protection for pedestrians will be per statutory requirements with Class A & B hoarding and perimeter security fencing where required.
- Traffic controllers for construction vehicles entering and leaving the site;
- Provisions for night lighting, protective barriers, overhead protective structures and traffic barriers;
- Diversion of pedestrians away from working areas except where continuity of access is required (protection to be provided to these areas) whilst maintaining existing pedestrian pathways where practical.
5.0 WASTE MANAGEMENT PLAN

As part of the construction planning process, the project team in conjunction with the relevant subcontractors and suppliers shall identify and assess construction related impact on the environment. In an effort to minimise the impact of project specific activities within acceptable and agreed limits, the project team will develop strategies of Waste Management, which will become an integral part of the Construction methodology. The end result will ensure that the procedures adopted will minimise waste, recycle materials whilst reducing any effect onto our environment.

As part of the overall construction process the following procedures will be implemented:

5.1 All existing services will be disconnected at the main distribution points within the building.

5.2 Any existing services that will not be used within the new building will be identified and recorded, prior to any works being carried out.

5.3 A reputable waste management company will handle the waste/rubbish that will be generated during construction i.e. Dial-a-Dump, J&M Waste, Bradshaw’s etc.

5.4 Where possible there will be separate waste bins on site to cater for the following rubbish:
   - Masonry and Concrete. These materials will be taken away and re-cycled for hardcore filling for other sites. Due to the nature of the works it is not expected that there will be a large surplus of masonry waste.
   - Reinforcement steel. This material will be re-cycled for possible new steel building products.
   - Paper and cardboard. These materials will be re-cycled for new paper and cardboard products.
   - Power Consumption. All existing lighting will be reduced to ensure safe working levels are maintained to ensure consumption is kept to a minimum.

5.5 General Garbage Disposal.

5.5.1 Where waste is required to be disposed, the material will be taken off site to selected landfill sites and be used for clean, compactable fill. NB. The selected sites will be notified to Council once the internal demolition contract has been awarded.
5.6 **Fixtures and Fittings**

5.6.1 Prior to commencing new works on site all existing fixtures and fittings will be disconnected and sold to others for re-use. This includes such items as furniture, taps and spouts, lighting, electrical equipment, etc.

5.7 **Halon Extinguishers and Refrigeration Equipment**

5.7.1 Where Halon extinguishers or air-conditioning equipment are in use, an authorized technician shall decommission the services in accordance with the Ozone Protection Regulation.

5.8 **Hazardous Materials**

5.8.1 These materials that may be used in the course of construction will be handled as per the following:

- Manufacturer’s recommendations.
- New South Wales Occupational Health and Safety Act
- Work Cover requirements.
- Occupation Health and Safety Act.
- Material Safety Data Sheets to be accompany all materials delivered to site where appropriate.
### 6.0 Table of Strategies for Managing Waste Management and Environmental Impacts

<table>
<thead>
<tr>
<th>ENVIRONMENTAL IMPACT</th>
<th>STRATEGIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENERAL</td>
<td>• Comply with relevant statutory regulations and council requirements</td>
</tr>
<tr>
<td>NOISE AND VIBRATION</td>
<td>• Programming such that necessary high noise and vibration works occur at times of least impact.</td>
</tr>
<tr>
<td></td>
<td>• Selection of equipment which utilise noise emission devices</td>
</tr>
<tr>
<td></td>
<td>• Random independent checks of noise emissions</td>
</tr>
<tr>
<td></td>
<td>• Proactive and effective communication with those impacted or affected by the noise and vibration.</td>
</tr>
<tr>
<td>AIR QUALITY (Dust)</td>
<td>• Settle dust at source with water</td>
</tr>
<tr>
<td></td>
<td>• Use wet process cutting machines for concrete and masonry</td>
</tr>
<tr>
<td></td>
<td>• Contain hazardous dusts and use prescribed extraction techniques</td>
</tr>
<tr>
<td></td>
<td>• Monitor air where hazardous dust may exist</td>
</tr>
<tr>
<td></td>
<td>• Cover loads of materials leaving site.</td>
</tr>
<tr>
<td>WATER QUALITY</td>
<td>• Use of fill that meets an acceptable standard (as appropriate)</td>
</tr>
<tr>
<td></td>
<td>• Installation of sediment control facilities</td>
</tr>
<tr>
<td></td>
<td>• Approved sand filtering systems through which stormwater and ground seepage shall pass prior to discharge</td>
</tr>
<tr>
<td></td>
<td>• Controlled disposal of all wet waste materials</td>
</tr>
<tr>
<td>SOIL CONSERVATION (Erosion)</td>
<td>• Confining land disturbances to as small an area as possible</td>
</tr>
<tr>
<td></td>
<td>• Stabilising finished areas as soon as possible</td>
</tr>
<tr>
<td>WASTE MANAGEMENT</td>
<td>• Encourage recycling of waste products where appropriate</td>
</tr>
<tr>
<td></td>
<td>• Prefer subcontractors who actively pursue a recycling policy</td>
</tr>
<tr>
<td></td>
<td>• Encourage the use of recycling type waste bins</td>
</tr>
<tr>
<td></td>
<td>• Comply with the requirements for the disposal of hazardous materials</td>
</tr>
<tr>
<td>TRAFFIC MANAGEMENT (Pedestrian and Road)</td>
<td>• Define pedestrian travel paths clearly</td>
</tr>
<tr>
<td></td>
<td>• Supervise and control the construction related traffic flows through pedestrian and road traffic zones</td>
</tr>
<tr>
<td></td>
<td>• Provide physical barriers to maintain flow of pedestrian traffic</td>
</tr>
<tr>
<td></td>
<td>• Define transport routes and schedule times for site access</td>
</tr>
<tr>
<td></td>
<td>• Clean trucks leaving the site as appropriate</td>
</tr>
<tr>
<td>CHEMICALS AND FLAMMABLE MATERIALS</td>
<td>• Obtain data sheets for all such products</td>
</tr>
<tr>
<td></td>
<td>• Store in containers as prescribed by regulations or as specified by the manufacturer</td>
</tr>
<tr>
<td></td>
<td>• Ensure all handling and usage procedures meet the manufacturer specification</td>
</tr>
</tbody>
</table>
7.0 NOISE MANAGEMENT

Standards:
- The maximum noise levels of all deconstruction and construction plant and equipment is to generally comply with EPA requirements;
- Noise levels to comply with Local Council Statutory regulations.

Management:
- The maintenance of exhaust silencing attachments on all diesel powered equipment;
- Only silenced compressors and silenced, bagged jackhammers (if required) will be permitted to be used on the site;
- Potential for noise generation to be used is an important criteria in the selection of construction plant and equipment on the site;
- On site periodic checks are to be carried out to ensure that noise suppression devices are installed on all required plant and equipment;
- Where practicable, noise-generating plant is to be located away from residential boundaries.

8.0 INSPECTION AND AUDITS

Regular site inspections shall take place to ensure that control measures are maintained and effective. Such inspections shall be the responsibility of the site supervisor, and shall take place:

- Weekly on Fridays, to ensure that controls are adequate in case of a storm activity over the weekend.
- Before any site closure when the site might be unattended for more than 24 hours.
- Prior to any forecast storm activity.
- After any storm activity that has caused runoff.

Internal audits shall be carried out to verify compliance with the Management Plan. The Audit programme shall be managed by the Site Supervisor who shall:

- Undertake the audits or make arrangements for the Audits to be carried out;
- Maintain records of all audits;
- Ensure that corrective actions are properly implemented.

Note, the audit shall include the work carried out by subcontractors and suppliers. An “Audit Checklist” shall be used as part of the audit procedure.
9.0 REPORTING

Immediately upon the detection of any environmental impact exceeding acceptable levels, the Project Manager and/or Site Manager will inspect the construction work to review the extent of the possible impact.

An incident report is to be completed and a register of non-conformance is to be maintained for each project.

All non-conformances will be reviewed and corrective actions taken to prevent any recurrence. Work Method Statements shall be revised wherever appropriate to reflect these corrective actions.

The Site Supervisor is responsible for ensuring all corrective action is satisfactorily completed. In addition, the Site Supervisor is responsible for ensuring all necessary action is taken to prevent a re-occurrence.

Complaints regarding environmental impacts shall be directed to the Site Manager and the following details recorded:

- Date of Complaint
- Name, address, telephone number of complaint
- Response action taken and date.

10.0 RECORDS

Environmental management records are to be kept by the project team and include the following documents:

- Environmental Management Plan
- Audit meeting minutes
- Incident reports
- Non-conformances
- Method Statements
- Complaint reports