SAMPLE ENVIRONMENTAL MANAGEMENT PLAN

This EMP is designed for (Concrete Cutting and drilling), however you may insert your business activities with only minor changes needed. This EMP should become part of your safety documents after direct changes have been made to reflect your business activities. Also you may need to nominate the state legislation you may be working under. The QLD Act is nominated throughout, apart from the federal legislation nominated. You may Google the Environmental Safety Legislation in Your state to find the state legislation that may affect your business activities.

Proposed (Concrete Cutting And Drilling) Environmental Management Plan

The EMP’s in the following sections have been developed specifically for use at worksites in use by (your company). The EMP’s have been produced to address potential issues based upon discussions, previous complaints and from a site visit. The EMP’s are additional to and compliment the (your company) safety management system.

The following environmental issues that require environmental management plans based upon the potential impacts of activities by (your company) are as follows.
• Air Quality
• Energy management
• Noise and Vibration
• Waste management
• Water quality
• Environmental contingency plan

To ensure the purpose of this EMP will be achieved, the environmental management plans will be established as follows:
• Objectives to be achieved
• Management strategies
• Tasks
• Responsibilities
• Frequency
• Monitoring and reporting
• Corrective actions

The federal Legislation observed will be The Environmental Protection and biodiversity Conservation Act 1999. (you may also need to nominate the state legislation you are working under)
Air Quality Management Plan

The main source of pollution to be managed is dust produced from operating (concrete cutting and drilling machines).

Performance objectives:

To minimise the impact to air quality from site operations. Ensure the relevant provisions of the Protection of the Environment Operations Act 1997 and the Interim Construction Guidelines are met.

Management Strategies:

The performance objectives above will be achieved by the following management strategies. Use of improved technology where economically feasible. Evaluate the effect of air emissions where appropriate. Employment of dust extraction equipment on equipment.

Tasks: The following actions will be undertaken to implement the above management strategies. EMS/EMP awareness training to be included as part of inductions. Dust extraction and collection units to be maintained and repaired as required.

Responsibilities: This EMP is the responsibility of the Director of (your company). The actions outlined in this plan are the responsibility of management, foremen and employees.

Performance Indicators: Nil complaints relating to air quality management. Extraction equipment maintained as per maintenance schedule.

Monitoring and reporting Any complaints as to the management of on site air quality will be directed to the director of (your company) as soon as practical. Complaints and any actions arising from a complaint will be recorded in a complaints register to be maintained by site management.

Corrective actions: Maintain dust collection system following reduced performance.

Energy Management Plan

The energy management EMP is aimed at minimising electricity use. The main sources of use are:

Site equipment
Lighting.
Performance objectives: To minimise electricity usage on site.

Management Strategies: The performance objective above will be achieved by the following management strategies: Monitor energy usage to determine high-use areas. Establishing areas of wastage. Install energy management systems where economically viable. Take energy rating into account when purchasing new equipment.

Tasks: The following actions will be undertaken to implement the above management strategies. Undertake EMS/EMP awareness training as part of inductions. Maintain energy control systems.

Responsibilities: This EMP is the responsibility of the director of (your company). The actions outlined in this plan are the responsibility of management, foremen and employees.

Monitoring and reporting: Any complaints as to the management of on site energy usage will be directed to the director of (your company) as soon as practical. Complaints and any actions arising from a complaint will be recorded in a complaints register to be maintained by site management.

Corrective actions: Undertake energy monitoring and establish where and how increased usage in electrical energy has occurred.

Noise And Vibration Management Plan:
The potential sources of noise are from (Concrete cutting machinery and drilling machinery.)

Performance objectives: To meet requirements of the Protection of the Environment Operations Act 1997 and the Interim Construction Guidelines. To avoid nuisance noise to nearby residents. To avoid vibration nuisance to nearby residents.

Management Strategies: The performance objective above will be achieved by the following management strategies: Activities that produce excessive noise will be restricted where practical to hours permitted by the EPA. Maintain on-site equipment including noise reduction equipment. Enclose excessively noisy equipment likely to generate community complaints where economically feasible.

Tasks: The following actions will be undertaken to implement the above management strategies.

Responsibilities: This EMP is the responsibility of the Director of (your company). The actions outlined in this plan are the responsibility of management, foremen and employees.

Monitoring and reporting: Any complaints as to the management of on site air quality will be directed to the director of (your company) as soon as practical. Complaints and any actions arising from a complaint will be recorded in a complaints register to be maintained by site management.

Corrective Actions: Immediate shutdown of noisy activities. Investigate complaint immediately.

Waste Management Plan:

The main wastes likely to be produced on-site are dust, slurry, rubble and core sheaths.

Performance objectives: To meet the objectives of the Protection of the Environment Operations Act 1997 and the Interim Construction Guidelines. To minimise waste generation by developing strategies for the management and disposal of all waste produced in accordance with the principles of avoidance, reuse, recycling and disposal of waste. To manage waste in a manner that is sustainable and sensitive to the environment.

Management Strategies: The performance objective above will be achieved by the following management strategies: Components of waste streams will be separated at source where possible to minimise contamination and maximise potential for reuse and recycling of materials. Waste will not be stored on areas where it could contribute to the generation of contaminated runoff. Waste storage on-site will generally be organized by the head contractor. Waste management will form part of the on-site induction process. Tasks: The following actions will be undertaken to implement the above management strategies. Organize regular waste collection to minimise excessive waste storage. Audit the locations of waste storage to ensure that the above strategies are being met.

Performance Indicators: Nil complaints about waste storage or removal.

Monitoring and reporting: Any complaints as to the management of on site waste nuisance will be directed to the director of (your company) as soon as practical. Complaints and any actions arising from a complaint will be recorded in a complaints register to be maintained by site management.

Corrective Actions: (your company) will recommend corrective actions.

Water Management Plan:

The water management plan is designed to manage: Sediment and Process water usage and disposal.

Management Strategies: The performance objective above will be achieved by the following management strategies: Divert clean stormwater runoff from site to prevent it entering operations area. Collect runoff from process area. Ensure waste is located in areas which will not contaminate surface water runoff. Ensure discharge of process water meets trade waste requirements.

Tasks: The following actions will be undertaken to implement the above management strategies: Monitor discharge water to ensure that trade waste conditions are being met. Undertake EMS/EMP awareness training at inductions.

Responsibility: This EMP is the responsibility of the Director of (your company). The actions outlined in this plan are the responsibility of management, foremen and employees.

Performance Indicators: No contaminated runoff.

Monitoring and reporting: Any complaints as to the management of on site waste nuisance will be directed to the director of (your company) as soon as practical. Complaints and any actions arising from a complaint will be recorded in a complaints register to be maintained by site management.

Corrective Actions: Investigate any non complying runoff.