Site Environmental Management Plan

**Template section 2 – Builders**

*To be completed by the main Contractor and all other builders on site. The completed template must be returned to the person responsible as identified in Section 1.*

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| Company name: |  |
| Company description: |  |
| Company operations on site: |  |
| Staff number (employed at site): |  |
| Name and contact details of person responsible for coordinating environmental matters on site: |  |

*Note: for every item below, if you have assigned a high priority, then highlight that square in red to allow for prioritization of mitigation measures.*

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| **Item 1 - Air pollution:** risk to workers on site, and potential risks to neighbours & surrounding communities. | | | | | |
| Sub-category | Potential risk | Risk – high, medium, or low | Control and mitigation procedures | Potential accidents | Emergency response procedures |
| Construction wood dust (contain formaldehyde) | Carcinogenic of formaldehyde; Inhaling formaldehyde can cause burning sensations in the eyes, nose and throat and a range of other symptoms if higher levels are in the air. | *e.g. High* | *e.g. all tools to have extraction and collection exhausts for solid and engineered timber sawing. Workers to wear protective respiratory masks.* | *e.g. collection bag spills or bursts liberating large quantities of wood dust.* | *e.g. nominated responsible person to be notified immediately. Organise clean up and containment of wood dust. All workers to wear appropriate protective gear.* |
| Toxic emission from heavy vehicle (CO. NO2 etc.) | Negative effect on human respiration system. |  |  |  |  |
| Dust, PM10 and VOC, Solvents. | Negative effect on human respiration system. Potential damage to nervous system and long term health damage. |  |  |  |  |
| Explosive substances | Concentration and risk of explosion from gases and emissions. |  |  |  |  |
| Noise pollution | Noise form construction site nuisance to neighbours and hazard to worker safety. |  |  |  |  |

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| **Item 2 - Waste** (Solid, Liquid and Toxic): risk to workers on site, potential risks to soils &waterways, impacts on landfill. | | | | | |
| Sub-category | Potential risk | Risk – high, medium, or low | Control and mitigation procedures | Potential accidents | Emergency response procedures |
| Solid Waste  (inert and green waste) | Saturation of landfill sites. Creation of Greenhouse gases if no composting of green waste. | *e.g. High* | *Reuse maximum amounts of cut and fill back on site. Avoid over-ordering materials to reduce waste. Assign recycling bins on site and follow targets to achieve recycling level required for Homestar rating* | *e.g. Workers do not segregate waste appropriately.* | *e.g. conduct team meeting and briefing on the importance of waste segregation and recycling to achieve Homestar outcomes.* |
| Liquid waste, including wash down of vehicles | Potential contamination of soils and waterways if spillage. |  |  |  |  |
| Sharp waste | Risk of injury. |  |  |  |  |
| Toxic waste | Risk of pollution to soil and waterways. Dangerous to humans if inhaled, swallowed or skin contact. |  |  |  |  |

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| **Item 3 – Hazardous substances and contaminated soil**: risk to workers on site, potential risks to soils and waterways. | | | | | |
| Sub-category | Potential risk | Risk – high, medium, or low | Control and mitigation procedures | Potential accidents | Emergency response procedures |
| Contaminated Soil  (existing contaminated soil taken from the project site) | Risk of contamination of waterways at point of disposal | *e.g. High* | *Specialist contractor engaged on site to take all contaminated soil and treat it accordingly (either on site or off site). Where possible re-use treated soil on site or replace with previously remediated.* | *e.g. Spillage of soil or runoff into waterway* | *e.g. Contain spillage and clear area around waterway immediately. Inform site manager and local authority environmental agency. Filter soil from waterway if possible and secure area to avoid accident recurring.* |
| Synthetic Mineral Fibres (SMF), glues, sealants | Larger fibres can cause irritation of the skin, eyes, nose and throat while there is a possible risk of lung cancer from some SMF. VOCs from sealants, adhesives and potential irritation to skin. |  |  |  |  |
| Liquid/ solid chemicals | Skin irritation and potential penetration into blood stream. Pollution to soils and waterways. |  |  |  |  |
| Sewerage and contaminated water spillage | Risk to human health.  Ecotoxic for local environment. |  |  |  |  |