



Shire of East Pilbara Wash-down Bay Guidelines And Application Form.

1. Application

- Submit a “Wash-down Bay Application Form” with detailed design plans (including side view elevations) of the wash-down area, pad, plate oil separator and disposal area. The application should include the following information;
- A scaled site plan (1:100, 1:200 or 1:500) showing existing and proposed facilities at the site
- Design drawings of wash-down bay, pipes, silt trap, holding tanks, plate oil separator and leach drains
- Description of the type and monthly volume of any chemicals (including detergents/ solvents) to be used on site
- Demonstrate that the system can cope with a 1:100 storm event
- Payment of applicable fee: Cheques are to be made payable to the Shire of East Pilbara

2. Design Information

Key Features;

- The location, size and type of hydrocarbon (petrol/oil) separator
- Silt trap/pit
- Size of wash-down pad/s
- Stormwater access to the wash-down pad is to be minimised. Areas over 20m² must be roofed unless it can be demonstrated that the system can contain all water from a 1:100 year storm event.
- The following formula is to be used;
 - Volume (litres) to be retained = 5.59 x Area (m²) of unroofed wash-down bay x 24.**
- The wash-down pad should grade to a collector gully
- Water collected from the wash-down pad must initially drain from the collector gully via a pipe or culvert to a sediment trap, to settle and allow removal of soil, silt and other heavy contaminants
- Silt trap, plate oil separator/s and holding tank types to be indicated and must be Water Corporation approved
- Industrial Waste Sampling Points (IWSP) are to be located in between the plate oil separator and the leach drain diverter, sewer connection point or holding tank(s).

Setback criteria;

- Leach drains must be a minimum of 1.8m from buildings, boundaries and other leach drains
- Wastewater Disposal
- If using leach drains, two drains must be installed. Leach drain size calculation information is to be provided as per guideline below;
 - Leach drain trenches are 2m wide & 1.2m deep*
 - A 2m gap is required between the leach drains and the diverter*
 - Leach drain size in metres = Total inflow to leach drains per day in litres / 20 (soil infiltration factor) / 1.34 (leach drain dispersion factor) / 2.*
- If water disposal is to sewer, water quality must meet the service provider’s requirements.

3. Wash-down Bay Information and Specifications

Water Quality Requirements

- Documentation must be provided to demonstrate that wastewater will comply with the parameters below;
- Water quality
- Hydrocarbons 10mg/L
- Suspended solids < 1500ppm
- pH 5.5 - 8.5
- Salinity (measured as Electrical Conductivity) 1800 micro-Siemens/ centimetre (maximum)
- Surfactants (detergents) - 5 milligrams/ litre (maximum)
- Benzene, toluene, ethyl benzene, xylene (BTEX) - 10 micrograms/ litre (cumulative maximum)
- Other toxic soluble contaminants Ten times the guideline criteria or investigation trigger for local water values as published in the Australian and New Zealand Guidelines for Fresh and Marine Water Quality 2000

System Maintenance, Monitoring and Reporting

- A signed maintenance agreement and program for system must be in place i.e. testing of water for compliance with recommended parameters (provision of an industrial waste water sampling point), regular cleaning out of spoon drains, silt pits, pump pits, disposal of waste oil etc.
- The site operator should take representative samples at six monthly (minimum) intervals, for any liquids discharged to the environment. These liquids should be analysed by a laboratory registered by the National Association of Testing Authorities for relevant parameters, e.g. pH, electrical conductivity, suspended solids, total petroleum hydrocarbons, BTEX, and surfactants
- Water sampling results are to be made available to Authorised Persons on request
- Maintenance inspections of all wastewater treatment and disposal systems should occur at least weekly.
- Any necessary remedial action should be taken immediately. All inspection results, analytical data and corrective actions should be recorded in an operating log. This data should be retained on-site for a minimum of two years as an operations logbook

General Conditions

- Construction and or installation is not to commence until approval has been granted by the Shire of East Pilbara
- A final inspection of each approved system must be carried out by Shire Environmental Health Officer.

For any further enquiries please contact the Environmental Health Department on 08 9175 8000 or email eho@eastpilbara.wa.gov.au or mdsh@eastpilbara.wa.gov.au.

Please complete, detach and submit only page 3 and 4 for the Application Form below.

APPLICATION TO CONSTRUCT OR INSTALL A WASHDOWN BAY (APPARATUS)

1. APPLICATION DETAILS

**THE APPLICANT MUST COMPLETE IN FULL SECTIONS 1-6.
EACH APPLICATION MUST BE ACCOMPANIED BY 2 COPIES OF A SITE PLAN.**

2. LOCATION OF INSTALLATION

STREET _____ TOWN OR SUBURB _____

LOT OR PT. LOT NO. _____ HOUSE NO. _____

NEAREST CROSS ROAD OR PERMANENT LAND MARK: _____

3. OWNER/APPLICANT DETAILS

OWNER'S NAME _____

APPLICANT'S NAME _____

APPLICANT'S ADDRESS _____

_____ POSTCODE: _____ PHONE _____

Note: the approved application will be returned to the applicant only.

4. PREMISES DETAILS

PREMISES DESCRIPTION: (please tick as appropriate)

NEW EXISTING COMMERCIAL INDUSTRIAL

OTHER PLEASE SPECIFY _____

WASHDOWN BAY EXPECTED DAILY WASTEWATER INFLOW VOLUME: (Litres per day) _____

WATER SUPPLY TO PREMISES: RETICULATED MAINS WATER BORE

OTHER PLEASE SPECIFY _____

5. SYSTEM DETAILS

WASHDOWN BAY DETAILS (please specify i.e. PLATE SEPARATOR & SILT TRAP) _____

WASHDOWN BAY DIMENSIONS (FLOOR AREA m²):- note if over 20 m² the wash down bay must be roofed _____

DISPOSAL SYSTEM :(please tick as appropriate)

LEACH DRAIN HOLDING TANK RETICULATED SEWERAGE SCHEME

OTHER PLEASE SPECIFY _____

NO. VEHICLES WASHED PER DAY / WEEK (approximate estimate)

CAR _____ UTE _____ 4WD _____ TRUCKS _____ OTHER _____

6. DECLARATION AND SIGNATURE OF APPLICANT

I hereby apply as the owner, or the person authorised to act on behalf of the owner, for approval to construct or install the wash-down bay as referred to above. I have attached 2 copies of a site plan, (see attached information sheet for requirements for plans) showing the location of the wash-down bay and all relevant dimensions and site details, including distances from boundaries and water supplies/source.

Applicants Signature: _____ Date: _____

Please print name: _____

INFORMATION FOR APPLICANTS

APPLICANTS SHOULD COMPLETE SECTIONS 1-6 OF THE APPLICATION AND SIGN THE DECLARATION.

DRAWINGS

EACH APPLICATION MUST BE ACCOMPANIED BY:

- **2 COPIES OF A SITE PLAN** (FOR APPLICATIONS TO LOCAL GOVERNMENT)
- **3 COPIES OF A SITE PLAN** (FOR APPLICATIONS TO THE EXECUTIVE DIRECTOR PUBLIC HEALTH)

SITE PLANS SHOULD BE DRAWN TO A SCALE OF 1:100, AND BE LABELLED WITH ALL DIMENSIONS AND INCLUDE THE FOLLOWING DETAIL:

- LOCATION OF THE APPARATUS AND ALL DRAINS AND PIPEWORK.
- DISTANCE OF THE APPARATUS FROM ALL BUILDINGS, BOUNDARIES, BORES, WATERWAYS AND WATER BODIES.
- DISTANCE OF ALL RECEPTACLES FOR DRAINAGE FROM TRAFFICABLE AREAS

SUBMISSION OF APPLICATION

APPLICATIONS FOR APPROVAL BY LOCAL GOVERNMENT APPLY ONLY TO THE FOLLOWING:

- ANY PREMISE THAT PRODUCES NOT MORE THAN 540 LITRES OF WASTE WATER PER DAY

ALL OTHER SITUATIONS ARE REFERRED FOR APPROVAL TO THE EXECUTIVE DIRECTOR PUBLIC HEALTH. THE APPLICANT SHOULD COMPLETE THE APPLICATION FORM AND ATTACH THE FOLLOWING:

- 3 COPIES OF THE SITE PLAN
- A LOCAL GOVERNMENT REPORT
- CHEQUE FOR \$35 MADE PAYABLE TO THE EXECUTIVE DIRECTOR PUBLIC HEALTH.

ONCE THE APPLICATION FORM HAS BEEN COMPLETED IT SHOULD BE SUBMITTED TOGETHER WITH THE PLANS TO THE SHIRE OF EAST PILBARA.

ADDRESS: SHIRE OF EAST PILBARA
22 KALGAN DIVE, NEWMAN
PMB 22 NEWMAN, WA 6753
PHONE: (08) 91758000 FAX: (08) 91752668
E-MAIL: cso@eastpilbara.wa.gov.au

FEES

ALL FEES SHOULD BE MADE PAYABLE TO THE SHIRE OF EAST PILBARA.

THE FOLLOWING FEES WILL APPLY:

LOCAL GOVERNMENT APPLICATION FEE	\$ 113.00
LOCAL GOVERNMENT REPORT FEE	\$ 110.00
INSPECTION FEE AND PERMIT TO OPERATE	\$ 113.00

FOR REFERRED APPLICATIONS, THE FOLLOWING FEES WILL APPLY:

HEALTH DEPARTMENT OF WA APPLICATION FEE	(WITH A LOCAL GVT REPORT)	\$35.00
	(WITHOUT A LOCAL GVT REPORT)	\$113.00

WORK NOT TO COMMENCE

IF THE PLANS ARE APPROVED OR REFUSED, THE APPLICANT WILL BE NOTIFIED.

NOTE: DO NOT START WORK ON THE CONSTRUCTION OR INSTALLATION OF AN APPARATUS WITHOUT APPROVAL.

PERMIT TO USE APPARATUS

WHEN YOU HAVE OBTAINED APPROVAL, YOU MAY PROCEED WITH THE CONSTRUCTION OR INSTALLATION OF THE APPARATUS. BEFORE USE AND/OR COVERING THE LEACH DRAINS (if applicable), NOTIFY AN ENVIRONMENTAL HEALTH OFFICER FROM THE LOCAL GOVERNMENT, SO THAT THEY MAY INSPECT THE APPARATUS AND ISSUE A PERMIT TO USE THE APPARATUS.

COMPLIANCE WITH REGULATIONS

ALL MATERIALS, PIPES, BENDS, JUNCTIONS, FITTINGS AND FIXTURES SHALL BE SOUND AND FREE FROM DEFECTS AND SHALL BE AUTHORISED AND INSTALLED IN ACCORDANCE WITH THE BY-LAWS OF THE WATER CORPORATION AND THE WATER SERVICES LICENSING (PLUMBERS LICENSING AND PLUMBING STANDARDS) REGULATIONS 2000.