

FACT SHEET

WASHDOWN BAY

Application

1. Submit a "Washdown Bay Application Form" with detailed design plans (including side view elevations) of the washdown area, pad, plate oil separator and disposal area. The application should include the following information;
 - a. A scaled site plan (1:100, 1:200 or 1:500)
 - b. Showing existing and proposed facilities at the site
 - c. Design drawings of washdown bay, pipes, silt trap, holding tanks, plate oil separator and leachdrains
 - d. Description of the type and monthly volume of any chemicals (including detergents/ solvents) to be used on site
 - e. Demonstrate that the system can cope with a 1:100 storm event
2. Payment of applicable fee. Cheque are to be made payable to the City of Kalgoorlie/Boulder

Design Information

1. Key Features;
 - The location, size and type of hydrocarbon (petrol/oil) separator
 - Slit trap/pit
 - Size of washdown pad/s
 - Storm water access to the washdown 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 washdown bay x 24.
 - The washdown pad should grade to a collector gully
 - Water collected from the washdown 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 Corp 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.

Water Quality Requirements

1. 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

1. 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.

2. The site operator should take representative samples at six monthly (minimum) intervals, for any liquids discharged to the environment. These liquids should be analyzed 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
3. Water sampling results are to be made available to Authorised Persons on request
4. 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

1. Construction and or installation is not to commence until approval has been granted by the City of Kalgoorlie-Boulder.
2. A final inspection of each approved system must be carried out by City's Environmental Health Services prior to use.

More Information

Contact the City of Kalgoorlie-Boulder Environmental Health Services.



577 Hannan St, Kalgoorlie
PO Box 2042, Boulder WA 6432

Telephone: (08) 9021 9600
Facsimile: (08) 9021 6113

APPLICATION TO CONSTRUCT OR INSTALL WASHDOWN BAY (APPARATUS)

1. APPLICATION DETAILS

1. THE APPLICANT MUST COMPLETE IN FULL SECTIONS 1-6.
2. 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 NO _____

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 washdown bay must be roofed.

(please tick as appropriate)

DISPOSAL SYSTEM: LEACH DRAIN HOLDING TANK CITY'S RETICULATED SEWERAGE SCHEME

OTHER PLEASE SPECIFY _____



577 Hannan St, Kalgoorlie
PO Box 2042, Boulder WA 6432

Telephone: (08) 9021 9600
Facsimile: (08) 9021 6113

NO. VEHICLES WASHED PER DAY / WEEK (please tick):

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 washdown 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 washdown bay and all relevant dimensions and site details, including distances from boundaries and water supplies/source.

Applicants Signature: _____ Date: _____

Please print name: _____

LOCAL GOVERNMENT REPORT - OFFICE USE ONLY

7. SITE CONDITIONS

NATURE OF SOIL: SAND GRAVEL LOAM CLAY

OTHER PLEASE SPECIFY _____

DEPTH FROM NATURAL GROUND LEVEL TO HIGHEST KNOWN PERMANENT/SEASONAL OR TIDAL WATER TABLE (mm) _____

DISTANCE FROM NATURAL WATER BODIES _____ METRES

WILL THE APPARATUS BE INSTALLED IN ANY OF THE FOLLOWING LOCATIONS:

WITHIN 30 M OF A WELL, BORE, WATERCOURSE, DAM INTENDED TO BE USED FOR HUMAN CONSUMPTION YES NO

IN AN AREA LIKELY TO BE SUBJECT TO FLOODING OR INUNDATION IN A 1:10 YEAR RETURN EVENT YES NO

IF YES TO ANY OF THE ABOVE, COURSE OF ACTION TAKEN _____

8. CONDITIONS OF APPROVAL

TYPE OF DISPOSAL SYSTEM AND DIMENSIONS: _____

OTHER CONDITIONS: _____

9. APPROVAL

APPROVED (subject to above conditions)

APPROVAL RECOMMENDED (subject to above conditions)

REFUSED (reason for refusal attached)

APPROVAL NOT RECOMMENDED (reason for refusal attached)

DELEGATE OF LOCAL GOVERNMENT: _____

LOCAL GOVERNMENT: **CITY OF KALGOORLIE-BOULDER** DATE: _____

RECEIPT NO. _____ APPROVAL NO. _____ FEE: _____

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

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

ONCE THE APPLICATION FORM HAS BEEN COMPLETED IT SHOULD BE SUBMITTED TOGETHER WITH THE PLANS TO THE CITY OF KALGOORLIE BOULDER.

ADDRESS
CITY OF KALGOORLIE BOULDER
577 HANNAN STREET; KALGOORLIE WA 6430

POSTAL ADDRESS:
PO BOX 2042; BOULDER WA 6432

PHONE: (08) 9021 9600
FAX: (08) 9021 6113
E-MAIL: mailbag@ckb.wa.gov.au

FEES

ALL FEES SHOULD BE MADE PAYABLE TO THE CITY OF KALGOORLIE BOULDER.

THE FOLLOWING FEES WILL APPLY:

APPLICATION FEE & PERMIT TO CONSTRUCT	\$ 123.00
FEE FOR THE GRANT OF A PERMIT TO USE A WASHDOWN BAY (APPARATUS)	\$ 123.00

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.