

LEAK DETECTION (GROUNDWATER MONITORING)

GROUNDWATER MONITORING REPORTS

Where impacts from petroleum products are detected in groundwater and/or when routine groundwater monitoring is conducted, a groundwater monitoring event (GME) report should be prepared. The purpose of a GME report is to provide information to detail how the results may impact the environment.

At a minimum, a GME report should include the information presented in Table 8.

Table 8: Checklist for groundwater monitoring event report

| Reporting components | What should the report include? | Included (Y/N) | Adequate (Yes/No) | Comments and remedy (why 'no'? how is compliance reached?) |
|--|---|----------------|-------------------|--|
| Introduction | <ul style="list-style-type: none"> Background Objectives of the sampling program Scope of work | | | |
| Site information | <ul style="list-style-type: none"> Name, address, lot and DP number, local government area Site owner's trading name, description of owner (company, operator, third-party), current site use, reason for groundwater sampling Current site plan with scale bar, showing the direction of north, position of wells, local groundwater flow direction | | | |
| Groundwater assessment criteria | <ul style="list-style-type: none"> An assessment of the results against the groundwater sampling parameters in Table 7 | | | |
| Discussion | <ul style="list-style-type: none"> Discussion of results and exceedances in criteria, if any Discussion on the source of the groundwater impacts, where identified, including the steps that have been and are to be undertaken to prevent the further release of hydrocarbons | | | |
| Recommendations | <ul style="list-style-type: none"> Proposed remedial measures to reinstate the environmental value of the groundwater resource where impacts exceeding criteria are identified, or appropriate justification as to why this is not necessary | | | |