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OVERVIEW

This report is for Water Services activities for June 2017. Significant items in this period include:

- There was one Lost Time Injury (LTI) recorded for the month in Water Networks where a staff member required an arthroscopy on his knee. It’s expected this will lead to 11 lost days. This is the first LTI to occur across the Water Program for over 24 months.
- The Water and Waste Advisory Board held a quarterly meeting on 8 June 2017.
- The new ultraviolet disinfection system (Trojan PTP 3000) was successfully installed and commissioned this week at the Mirani Sewage Treatment Plant. The performance of the system has been an ongoing issue and a decision had been made to manage this asset until upgrade of the Treatment Plant.
- Two officers attended the Water Industry Operators Conference 2017 in Logan on 7 & 8 June 2017. One officer gave a presentation on the Operational benefits the Network Crews experience with Sewer Sensors and this was well received.
- On Tuesday, 13 June 2017, the northern supply gravity zone lost the main feed to Mount Pleasant after a burst water main occurred in Kay Court. Contingency management and careful operation ensured that most of the residents in the zone did not suffer reduced potable supply service or pressure.
- On Wednesday, 14 June 2017, a cast iron main on Gordon Street suffered a blowout failure. This left a section of the business centre in Gordon Street without a potable supply service until after lunch requiring some businesses to close for the day’s trading.
- The Water Services’ stand at the Mackay Regional Show from 20 - 22 June 2017 was very successful with 1,500 x 600ml water bottles being given to the public to use at the Choose Tap Bottle Filling Station.
- The following table shows the number of applications processed over the last three financial years to provide relief under the Concealed Leaks Policy. This demonstrates the value of MiWater and the Customer Portal – myh20- to both the Council and customer.

<table>
<thead>
<tr>
<th>Financial Year</th>
<th>Number of Applications</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014/15</td>
<td>259</td>
<td>$57,238.57</td>
</tr>
<tr>
<td>2015/16</td>
<td>141</td>
<td>$37,683.81</td>
</tr>
<tr>
<td>2016/17</td>
<td>86</td>
<td>$18,567.84</td>
</tr>
</tbody>
</table>

Director Engineering & Commercial Infrastructure
1.1. Incident Statistics

The incident statistic details a summary of the Water Services safety incident performance. Water Services aspires to achieve zero harm with a stretch target of zero injuries.

The following incidents were recorded in June 2017:
2 x Non Treatment Injury from Muscular Stress

1.2. Lost Time Injuries

Water Services aspires to achieve zero Lost Time Injuries by improving safety performance by developing a proactive safety culture and implementing best practice safety management across all business areas.

One Lost Time Injury was sustained during the 2016/2017 reporting year.

The table below shows the Lost Time Injuries over previous years:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LTI</td>
<td>Days Lost</td>
<td>LTI</td>
<td>Days Lost</td>
<td>LTI</td>
</tr>
<tr>
<td>Administration</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Services</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planning &amp; Sustainability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Network</td>
<td>2</td>
<td>79</td>
<td>4</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>Water Treatment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infrastructure Delivery</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Services</td>
<td>2</td>
<td>79</td>
<td>4</td>
<td>9</td>
<td>3</td>
</tr>
</tbody>
</table>

Data is at 30 June 2017
## 2.1. Water and Wastewater Financial Fund Report

### Water and Waste Water Fund Financial Report

For June 2017

<table>
<thead>
<tr>
<th>Operating Result</th>
<th>AMD Budget</th>
<th>YTD Budget</th>
<th>YTD Actual</th>
<th>YTD Variance</th>
<th>%</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Water</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.01 - Commercial Infrastructure Management</td>
<td>(38,202,182)</td>
<td>(38,207,379)</td>
<td>(38,232,265)</td>
<td>(24,886)</td>
<td>100%</td>
<td>1% increase in income (mainly from interest received) &amp; $14k saving against expenses.</td>
</tr>
<tr>
<td>6.02 - Planning &amp; Sustainability</td>
<td>779,637</td>
<td>769,893</td>
<td>789,664</td>
<td>19,771</td>
<td>103%</td>
<td>Consultants expense exceeded budget. Budget is against sewer instead of water.</td>
</tr>
<tr>
<td>6.03 - Infrastructure Delivery</td>
<td>279,782</td>
<td>275,292</td>
<td>256,717</td>
<td>(18,576)</td>
<td>93%</td>
<td>Saving against expenses</td>
</tr>
<tr>
<td>6.04 - Water Networks</td>
<td>6,175,057</td>
<td>6,104,658</td>
<td>5,833,270</td>
<td>(271,388)</td>
<td>96%</td>
<td>$201k saving against internal plant hire, $99k increase in recoverable internal works partially, $90k saving against expenses offset by $61k TC Debbie expenses not budgeted.</td>
</tr>
<tr>
<td>6.06 - Business Services</td>
<td>17,029,708</td>
<td>7,539,052</td>
<td>7,381,385</td>
<td>(157,667)</td>
<td>98%</td>
<td>$33k net income MiWater, $61k increase in income, $64k saving against expenses. $13m depreciation not accounted for in budget or actual figures. Potential variance of $3.3M due to projected depreciation being $3.5M more than budget.</td>
</tr>
<tr>
<td>6.07 - Water Treatment</td>
<td>5,231,564</td>
<td>5,186,719</td>
<td>4,936,527</td>
<td>(250,192)</td>
<td>96%</td>
<td>$156k increase in lab revenue, $146k savings in expenses offset by $52k TC Debbie expenses not budgeted for</td>
</tr>
<tr>
<td><strong>Total Water</strong></td>
<td>(8,706,434)</td>
<td>(18,331,765)</td>
<td>(19,034,703)</td>
<td>(702,938)</td>
<td>104%</td>
<td></td>
</tr>
<tr>
<td><strong>Waste Water</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.01 - Commercial Infrastructure Management</td>
<td>(41,671,390)</td>
<td>(41,676,153)</td>
<td>(41,568,437)</td>
<td>107,716</td>
<td>100%</td>
<td>$93k decrease in income ($141k discounts allowed more offset by $13k additional interest &amp; $35k additional revenue) and $14k increase in expenses (mainly wages)</td>
</tr>
<tr>
<td>6.02 - Planning &amp; Sustainability</td>
<td>682,177</td>
<td>672,470</td>
<td>598,330</td>
<td>(74,139)</td>
<td>89%</td>
<td>Saving against budget but over expense against water.</td>
</tr>
<tr>
<td>6.03 - Infrastructure Delivery</td>
<td>259,486</td>
<td>255,149</td>
<td>173,822</td>
<td>(81,327)</td>
<td>68%</td>
<td>$51k saving against wages - vacancy &amp; $30k saving against expenses.</td>
</tr>
<tr>
<td>6.04 - Water Networks</td>
<td>4,881,461</td>
<td>4,833,883</td>
<td>5,206,819</td>
<td>372,936</td>
<td>108%</td>
<td>$77k decrease in recoverable works, $272k increase in electricity charges and $116k TC Debbie expenses not budgeted for offset by $92k saving against other expenses.</td>
</tr>
<tr>
<td>6.06 - Business Services</td>
<td>17,317,272</td>
<td>6,076,081</td>
<td>6,001,003</td>
<td>(75,078)</td>
<td>99%</td>
<td>$65k increase in revenue, $7k savings against expenses. $12.88M depreciation not accounted for in budget or actual figures. Potential variance of $1.58M due to projected depreciation being $1.66M more than budget.</td>
</tr>
<tr>
<td>6.07 - Water Treatment</td>
<td>6,425,763</td>
<td>6,403,058</td>
<td>5,895,452</td>
<td>(507,606)</td>
<td>92%</td>
<td>$200k increase in revenue ($170k septic receival and $34k recycled water), $308k saving against expenses ($460k Downer contract).</td>
</tr>
<tr>
<td><strong>Total Waste Water</strong></td>
<td>(12,105,231)</td>
<td>(23,435,512)</td>
<td>(23,693,010)</td>
<td>(257,498)</td>
<td>101%</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL OPERATIONAL**

<table>
<thead>
<tr>
<th></th>
<th>(20,811,666)</th>
<th>(41,767,277)</th>
<th>(42,727,713)</th>
<th>(960,436)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3 - Water</strong></td>
<td>6,557,672</td>
<td>6,557,672</td>
<td>4,959,066</td>
<td>(1,598,006)</td>
</tr>
<tr>
<td><strong>4 - Sewerage</strong></td>
<td>6,872,899</td>
<td>6,872,899</td>
<td>5,380,644</td>
<td>(1,492,254)</td>
</tr>
<tr>
<td><strong>TOTAL CAPITAL</strong></td>
<td>13,430,571</td>
<td>13,430,571</td>
<td>10,340,250</td>
<td>(3,090,321)</td>
</tr>
</tbody>
</table>

% Variance from YTD Budget

- Acts more than 10% over YTD Budget
- Acts between 5% and 10% over YTD Budget
- Acts between 5% over and 10% under YTD Budget
- Acts between 10% and 50% under YTD Budget
- Acts more than 50% under YTD Budget
2.2. Operating Result for Water and Waste Water Fund

The operational end of year position for Water Services still requires the depreciation to be accounted for which has yet to occur. It is expected the final position of revenue and operational expenses will be in line with the amended budget noting final/end of year accruals are still to occur.

2.3. Capital Expenditure for Water and Waste Water Fund

The end of year capital outcome is in line with the amended budget forecast. The forecast carryover figure of $2.4M remains unchanged.
2.4. Accrued Water Operating Revenue Less Expenditure
The following shows the estimation of the accrued revenue less expenditure. Capital revenue has been excluded.

The annual operating surplus is projected to be $195K more than budget (this is not taking depreciation into account).

Revenue is projected to be $410K above budget which is mainly driven by $368K higher internal transfer income.

Operating expenses are forecast to be $215K more than budget mainly due to goods and services $180K and internal transfer expenses $32K more than budget.

Financial data is up to June 2017.

2.5. Accrued Wastewater Operating Revenue less Expenditure
The following shows the estimation of the accrued revenue less expenditure. Capital revenue has been excluded.

The annual operating surplus is projected to be $337K above budget (this is not taking depreciation into account).

Revenue is projected to be $145K above budget which is driven by $154K higher internal transfer income.

Operating expenses are forecast to be $193K less than budget mainly due to internal transfer cost being $157K more than budget and finance cost $13K more than budget. These expenses are offset by $81K saving against wages and $282K saving against goods and services.

Financial data is up to June 2017.
2.6. Capital Expenditure Performance

The following trend provides a high-level overview of the capital expenditure to monitor actual expenditure against forecast expenditure. The forecast expenditure profile is based on the original Water and Sewerage Capital Program projects budget and delivery schedule.

- Capital YTD expenditure actuals resulted in a 77% spend of Total Amended Budget.
- Including commitments 102% of total amended budget has been spent.
- Currently forecast to spend 82% of total amended budget.
- The remaining funds are budgeted to be spent in 2017/2018.

3.1. Requests

This chart details the customer requests received and recorded via pathways that relate to the Water Business. The target is to have 90% of all customer requests closed at any one point in time.

- 89% of Client Requests completed in June 2017.

Data is at 30 June 2017.
3.2. Request Types

The following chart displays a summary of the customer request types received for the month.

3.3. Plumbing Applications

In accordance with the *Plumbing and Drainage Act* a plumbing application is required for all new plumbing installations or modifications to existing plumbing. A plumbing application must be lodged to Local Government. Water Services has a regulatory time frame of 20 business days to assess a plumbing application. An internal target of 5 business days has been set for all residential plumbing applications.

Plumbing application numbers decreased from 59 in May to 40 in June 2017. Approval turnaround times have increased to three days and remain well within set timeframes.
3.4. **Trade Waste Approvals**

The program for undertaking trade waste assessment and licensing of all applicable businesses that discharge trade waste is ongoing. As part of the Trade Waste Assessment process a temporary Trade Waste Approval is put in place while the formal approval process is undertaken. The table below summarises the number of Trade Waste Approvals for the Mackay Region.

<table>
<thead>
<tr>
<th>Total Approved Businesses</th>
<th>Temporary Approvals In Place</th>
<th>New Approved Businesses for the Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mackay South</td>
<td>758</td>
<td>19</td>
</tr>
<tr>
<td>Mackay North</td>
<td>68</td>
<td>2</td>
</tr>
<tr>
<td>Sarina</td>
<td>56</td>
<td>1</td>
</tr>
<tr>
<td>Mirani/Marian</td>
<td>31</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>913</strong></td>
<td><strong>22</strong></td>
</tr>
</tbody>
</table>

Data is at 30 June 2017

7 new businesses were identified for the month of June

3.5. **Annual Trade Waste Activity**

Annual targets are set for the Trade Waste team with respect to licensing Trade Waste Businesses. The target has been set at 250 new licensed businesses and audits completed by June 2017. The following chart shows the Actual Approvals, Temporary Approvals and Audits achieved and the number of the target remaining.

- **Total Approvals issued**: 128
- **Temporary Approvals in place**: 149
- **New Approved Businesses for the Month**: 7

Data is at 30 June 2017

7 Approvals issued and 13 Audits conducted during June 2017.

The target of 250 combined Approvals and Audits for 2016/2017 financial year has been achieved with 255 audits and approvals completed.
3.6. Building Over Adjacent Sewers

Building over Adjacent Sewer applications are lodged where the construction of a structure is proposed within close proximity of a sewer main. The application is assessed against Queensland Development Code Mandatory Part 1.4 with council reviewing applications that do not comply with acceptable solutions identified in the code. Building Over Sewer Applications are assessed within a target timeframe of 20 business days.

![Graph showing BOAS Applications](image)

One new BOAS referral was received in June 2017. Plumbing Inspectors continue to field enquiries and provide information on infrastructure.

Data is at 30 June 2017

3.7. Scientific and Analytical Services

Scientific and Analytical Services provides laboratory analysis in accordance with National Association of Testing Authorities (NATA) Standards to both Mackay Regional Council and external customers. A summary of the laboratory activities are detailed below.

![Graph showing Samples Analysed and Test Performed](image)

The number of samples registered and the number of registrations have increased slightly but the number of test performed per sample has decreased. Overall the Laboratory continues to perform more than 25000 tests per month. This is returning to normal levels after the influx of water, waste water and environmental issues post cyclone Debbie.

Data is at 30 June 2017
3.8. Community Engagement

This section monitors Water Services engagement on the services provided. The following chart shows the number of media releases, media updates and the number of people that were reached by the Media Releases on Facebook.

The following chart shows the number of likes and positive comments, the number of neutral comments and the number of negative comments received on Facebook from Media Releases and Media updates for Water Services.

Data is at 30 June 2017.
The following chart shows the cumulative number of myh2o registrations for the reporting period

The target number of myh2o registrations for the 2016/17 financial year is 12,500.

There were 186 new registrations during the month of June 2017 bringing the total of myh2o registrations to 11,504.

Data is at 30 June 2017

3.9. Leak Detection Notifications

Leak Detection notifications are sent to customers, when the leak identified is greater than 10 litres per hour. Follow up notices are sent to residents, monthly for a three-month period after the initial notification.

The number of new leaks identified during June for residential customers was 1794 and for non-residential customers was 245. This was a slight decrease for residential customers from the previous month and an increase for non-residential customers. The number of meters with leaks at the end of the reporting period has increased for residential and non-residential. The number of leaks ceased during the period for both residential and non-residential customers has decreased.

Data is at 30 June 2017
The average leak days for current leaks shows the average number of days a leak exists before any action by the customer to rectify the cause of the leak. The average leak days for ceased leaks shows the average number of days that the leak exists before the leak is repaired.

### ASSET MANAGEMENT

#### 4.1. Surface Water Raw Water Storage Capacities

Water Services sources water from a combination of surface water and groundwater sources. With the exception of Middle Creek Dam the storage facilities are owned and operated by SunWater. Middle Creek Dam is under Council’s control. The water stored in each of the storages is detailed below.

![Graph showing average leak days for current and ceased leaks]

The Average Leak Days (Current Leaks) for residential customers has had a slight increase during June and for non-residential customers has decreased. The gap for current leak days between non-residential and residential is 75 days. The Average Leak Days (Ceased Leaks) show that the residential customer has the leaks repaired within 16 days on average, whereas the non-residential customer takes 30 days to have leaks repaired on average. Considerable effort is undertaken with non-residential customers to encourage attention to fix the identified leaks.

Data is at 30 June 2017

![Bar chart showing percentage of volume stored in each reservoir]

Mirani Weir, Marian Weir, Dumbleton Weir and Teemburra Dam are at capacity. Middle Creek Dam and Peter Faust Dam are below capacity.

Data is at 30 June 2017
4.2. Annual Water Consumption vs Allocation by Source

Water Services has a water allocation or water license for each water source. The water allocation and year to date water consumption for each of the water sources is detailed below.

- **Calen Water Usage figures are not based on Water Allocation, but show the amount of water usage for the area to date.**

4.3. Water Consumption by Locality

Water Services supplies water to both residential and commercial water customers throughout the Mackay Region. The average water consumption in each of the three major community centres is detailed below. The water consumption is presented as litres per equivalent population per day. This chart provides a summary of water consumption including commercial water use.
4.4. Significant Projects

Water Services undertakes a range of projects across the water business. Projects take the form of Capital works projects, planning studies and investigations. Information for the significant projects in Water Services is provided in the table below and was current as at 30 June 2017. Significant Projects are assessed on the following criteria: Dollar Amount, Risk and/or Community Interest

<table>
<thead>
<tr>
<th>Council Project Management Phases</th>
<th>Indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Planning (Plan)</td>
<td>On Track</td>
</tr>
<tr>
<td>2. Design (Des)</td>
<td>Potential Issue</td>
</tr>
<tr>
<td>3. Procurement (Proc)</td>
<td>Definite Issue</td>
</tr>
<tr>
<td>4. Construction (Con)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>PHASE</th>
<th>PHASE % COMPLETE</th>
<th>INDICATORS</th>
<th>ORIGINAL BUDGET DETAILS</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sewerage Network Refurbishments (Relining)</td>
<td>Revisit Design/ Tender Specifications</td>
<td>50%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 30/06/2017</td>
<td>Original Budget: $1,126,583  The Tender Procurement strategy is currently being reviewed with all Stakeholders to ensure alignment with Industry Service Provider offerings before re-advertising. Planned date for re-advertisement is mid to late July 2017.</td>
</tr>
<tr>
<td>Sewerage Network Refurbishments (Manholes)</td>
<td>Con</td>
<td>95%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 30/06/2017</td>
<td>Original Budget: $935,850  Only 2 manholes remaining to be completed for Epoxy relining Contract. Letter of No Objection for Traffic control has been issued and awaiting Police Permit for these 2 manholes. All physical works for Contract for CaAl relining of manholes completed, including Contractor’s submission of all Inspection and Test Plans. Condition assessment inspection works by external contractor for manholes completed. All repair and inspection of access restricted manholes including CCTV survey of manholes completed.</td>
</tr>
<tr>
<td>Sewage Pump Station Resilience Upgrades</td>
<td>Con</td>
<td>90%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 1/09/2017</td>
<td>Original Budget: $3,874,534  The Contractor Roebuck Civil has completed all 9 access improvements, 28 ventpoles installations, 20 switchboard installations on site, 6 antenna relocations, 5 wet well rehabilitations, 3 elevated switchboard structure installations and 3 pump station top slabs refurbishments. The on-maintenance inspections have been conducted with minor defects to be rectified. As constructed drawings are currently being produced by the Contractor. The delivery of the remaining level sensors has been received and the installation is in progress.</td>
</tr>
<tr>
<td>Water Main Replacements - Roads Driven</td>
<td>Des and Con</td>
<td>100% Design 100% Construction</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 30/06/2017</td>
<td>Original Budget: $296,237  The 16/17 Capital project includes 3 water mains (WM) that require relocation prior to MRC road works. Construction of Curlew St WM, Breen St WM and Vincent St WM are complete. Changes in Civil Projects program have resulted in two additional WMR projects - Forsyth St (construction completed) and Holmes Ave Sarina (construction completed) which were not budgeted for in the FY 16/17 budget.</td>
</tr>
<tr>
<td>PROJECT</td>
<td>PHASE</td>
<td>PHASE % COMPLETE</td>
<td>INDICATORS</td>
<td>ORIGINAL BUDGET DETAILS</td>
<td>COMMENTS</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>-------------</td>
<td>------------------</td>
<td>------------</td>
<td>-------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Water Main Renewals (WMR)</td>
<td>Des &amp; Con</td>
<td>100%设计</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 30/06/2017</td>
<td>Construction works have been completed in Gibson, Gardner Street and Duncan Street, West Mackay. Roebuck Civil have started the construction of Bedford Road WM. Petrie Street WM construction is continuing. Kenmore Street WM construction will commence after WM Petrie Street has been completed. Design complete for Canberra Street. Construction works for Canberra Street are expected to start early July. Construction estimates indicate a potential budget shortfall on a number of WMR projects, to be monitored during construction.</td>
</tr>
<tr>
<td>Water Meter Replacements and AMR retrofits</td>
<td>Con</td>
<td>95%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 30/06/2017</td>
<td>Works delayed due to rains following Tropical Cyclone Debbie. Replacement of commercial meters, domestic meters and AMR nearing completion. Crew encountering difficult site conditions e.g.; Meters buried, meters unlocatable. etc. During AMR retrofit works crew encountered approx. 60 commercial water meters that are obsolete or are not compatible to AMR installation. These meters are scheduled to be replaced on completion of the current meter scope of works. All materials for these works have been ordered and to be complete by mid-August’17.</td>
</tr>
<tr>
<td>Shakespeare Street sewer realignment</td>
<td>Des &amp; Proc</td>
<td>93%设计</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 30/06/2017</td>
<td>Design review workshop and SID workshop conducted, resulting in minor changes to design drawings and documentation. The recommended alignment through the affected properties has a number of constraints and construction works expected to commence in the 17-18 FY. Revised design drawings received. Wayleave Agreement letters have been finalised and mailed to homeowners and Body Corps. Procurement documentation is being compiled for issue to MRC Contracts.</td>
</tr>
<tr>
<td>Mt Pleasant Reservoir No. 1 Refurbishments</td>
<td>Con</td>
<td>30%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 30/06/2017</td>
<td>Approximately 50% of drummy render has been removed; Many broken Posttensioning Wires evident; a revised methodology to make appropriate repairs has been agreed with Contractors. With more damaged wires being found than initially expected, there is potential for costs to exceed budget. This will be monitored as works progress. There have been three incidents on the site. The Contractors has been proactive in their notifications and in addressing these incidents, though the works will continue to be monitored closely to ensure safety remains a priority.</td>
</tr>
<tr>
<td>PROJECT</td>
<td>PHASE</td>
<td>PHASE % COMPLETE</td>
<td>INDICATORS</td>
<td>ORIGINAL BUDGET DETAILS</td>
<td>COMMENTS</td>
</tr>
<tr>
<td>-------------------------</td>
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<td>--------------------</td>
<td>-------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Mirani Storage</td>
<td>Plan / Des</td>
<td>50%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 30/06/2019</td>
<td>Meeting has been held with landowner to resolve outstanding issues. This aspect of the project has taken longer than originally estimated. Quotes have been received for the remaining design scope, though finalisation of the scope and awarding of the remaining design work is reliant on having a final dam location. The current schedule has construction commencing mid-2018.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Budget</td>
<td>Original Budget: $1,458,985</td>
<td></td>
</tr>
</tbody>
</table>
5.1. Drinking Water Compliance

Safe Water supplies are provided in accordance with the requirements of the *Water Supply Safety and Reliability Act* and are measured against the *Australian Drinking Water Quality Guidelines*. Drinking Water samples are taken at the outlet of Water Treatment Plants and within the reticulation network. A summary of the performance is detailed below.

**Health Parameter Test Results**

- Eton Reticulation samples for Selenium above 10 µg/L but below 15µg/L (limit of 15µg/L). Measured values were between 11 - 13µg/L.
- This data is reported 1 month in arrears.

**Aesthetic Parameter Test Results**

- Eton and Koumala continue to have high hardness levels (>200; range 330 to 430).
- This data is reported 1 month in arrears.
5.2. Wastewater Compliance

The discharges from wastewater treatment facilities are regulated by Development Approvals issued by the Department of Environment and Resource Management. The licence requirements differ based on the time the Development Approval was issued and the receiving environment associated with any discharges.

All wastewater testing for this period was compliant, except for an exceedence of faecal coliforms at Mirani on 13 June 2017.

Data is 30 June 2017

5.3. Backflow Testing

Backflow devices are installed on water services where there is a risk that water could return from a private property back into the Water Reticulation network. The requirement for backflow devices is regulated in accordance with the Standard Plumbing and Drainage Regulation.

13 new devices were registered in June 2017

Data is 30 June 2017