FINAL MINUTES

21 April 2010

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Declaration of Potential Conflict of Interest

CR CAMILLERI (Item 8.1)

ORDINARY MEETING MINUTES

1. ATTENDANCE:

His Worship the Mayor, Cr C Meng (Chairperson), Crs G R Christensen, D T Comerford, P F Steindl, D J Perkins, D R Hatfield, D E Camilleri, W A Cameron, G R Thomsen, K J Casey and K L May were in attendance at the commencement of the meeting. Also present was Mr D McKinlay (Acting Chief Executive Officer) and Mrs K Di Filippo (Minute Secretary).

The meeting commenced at 10.00 am.

2. ABSENT ON COUNCIL BUSINESS:

Nil.

3. APOLOGIES:

THAT the apology on behalf of Peter Franks, Chief Executive Officer be accepted.

Moved Cr Camilleri **Seconded Cr Comerford**

CARRIED

4. CONDOLENCES:

Condolences were expressed at the passing of Peter Franks' father in South Africa.

5. CONFIRMATION OF MINUTES:

5.1 ORDINARY MEETING MINUTES - 14 APRIL 2010

THAT the Minutes of the Ordinary Meeting held on 14 April 2010 be confirmed.

Moved Cr Casey **Seconded Cr Hatfield.**

CARRIED

6. BUSINESS ARISING OUT OF MINUTES OF PREVIOUS MEETING:

Nil.

7. MAYORAL MINUTES:

Nil.

8. CORRESPONDENCE AND OFFICERS' REPORTS:

Cr Camilleri declared a perceived conflict of interest in respect to Item No. 8.1, as the applicant is a client of Bennett Partners and remained in the meeting whilst the item was being discussed and a decision taken thereon.

8.1 MATERIAL CHANGE OF USE - DEVELOPMENT PERMIT - LOCAL COMMUNITY FACILITY - MADEC - 4 TURNER STREET, MACKAY (706593-006-DA-2009-396)

Application Number:	DA-2009-396
Date Received:	19 October 2009
Action Officer:	Kathryn Goodman
Applicant's Details:	MADEC C/-RPS (Mackay) Pty Ltd PO Box 1895 MACKAY QLD 4740
Proposal:	Local Community Facility
Site Address:	4 Turner Street, Mackay
Property Description:	Lot 6 on RP706593
Owner's Details:	Mackay & District Education Office (MADEC)
Area:	678m^2
Planning Scheme:	Mackay City Consolidated Planning Scheme (24 April 2009)

Planning Scheme Designations:	
Locality:	City Centre Locality
Precinct:	City South Precinct
Zone:	Higher Density Residential Zone
Assessment Level:	Impact
Submissions:	Three (3) Properly Made Submission
Referral Agencies:	Nil
Attachments:	Attachment A: Locality Plan Attachment B: Proposal Plan Attachment C: Mackay Transit Coaches Network Guide
Recommendation:	Refused

ASSESSMENT OF APPLICATION

The following report was presented at the Ordinary meeting on the 14 April 2010, and it was resolved:

> *"THAT the matter be deferred to the Council Meeting to be held 21 April 2010 by request of the Applicant."*

The original recommendation remains unchanged.

Purpose

The Material Change of Use application is for a Local Community Facility at 4 Turner Street, Mackay (refer to Attachment A – Locality Plan). The application is impact assessable and received three properly made submissions objecting to the proposal. The inability to meet the Mackay City Consolidated Planning Scheme (24 April 2009) requirements and submissions objecting to the proposal have raised grounds for refusal.

Whilst a Local Community Facility use could be supported within this location, by utilizing the existing dwelling house within the design, the size of the subject site is not adequate for the facility to achieve minimum floor levels, safe vehicle manoeuvring, and carparking requirements.

The application is recommended for refusal.

Background

The site has a current Development Permit for three Multiple Dwelling Units lodged by the previous owners.

No discussions regarding a Local Community Facility use operating from this site occurred between the applicant and Council Planning Officers prior to the acquisition of the property. Discussions with the Consultants immediately after acquisition involved availability of existing detail survey and engineering information including minimum floor levels required for this site.

Subject Site and Surrounds

The subject site is zoned Higher Density Residential and triggers the Flood and Inundation Management Overlay Code with minimum floor levels to be determined by the Pioneer River Flood Study.

The 678m^2 subject site is irregular in shape and contains a two storey Queenslander style dwelling house. The site is located on the western side of Turner Street with a 20m frontage. Turner Street is classified as an Access Street.

The surrounding area is zoned Higher Density Residential to the south and east, Commercial (Services) to the north and Open Space directly west.

Turner Street is approximately 160m in length, and currently occupied by two businesses, and dwelling houses. There are current Multiple Dwelling Units Development Permits for two sites within Turner Street, including the existing site. Generally light industrial uses are located within the Commercial (Services) zone to the north of Turner Street.

The mix of uses within the surrounding area of the subject site have been approved under previous Planning Schemes, and are existing lawful uses.

Proposal

The applicant proposes to redevelop the subject site for a Local Community Facility, generally in accordance with the proposal plans (refer Attachment B).

The proposed Local Community Facility will provide the administration and commercial support for the services provided by Mackay And District Education Centre (MADEC). MADEC provide services in the areas of disability, youth at risk, and training.

MADEC propose to convert and extend the existing dwelling house to offices and extend this building by 114.3m^2 over two storeys totalling 198.3m^2, incorporating the modern Queenslander style. They propose to remove the attached carport and supply eight carparks on site.

Resource Implications

Nil

PLANNING SCHEME ASSESSMENT

Desired Environmental Outcomes

The Desired Environmental Outcomes (DEO's) for the City of Mackay require *community safety and buildings, structures and other physical infrastructure are not jeopardised by unacceptable risks due to natural hazards such as bushfire, excessive erosion and land slippage, disturbance of acid sulfate soils, or inundation by flood waters.*

The applicant proposes to redevelop an existing dwelling house currently with a ground floor level of RL 4.15 AHD and propose a new building interconnected at a height of RL 4.9 AHD, which is 1m above ground level. The Mackay City Consolidated Planning Scheme (24 April 2009) requires a minimum floor level of RL 5.4m AHD. This matter is discussed further in the 'Applicable Codes – Flood and Inundation Management Overlay Code' section of this report.

As the Local Community Facility use located in the Higher Density Residential zone is assessed against the 'Urban Areas' DEO's of Council's Planning Scheme.

Urban Areas

A high level of service and amenity for residents is encouraged through a range of activities in the urban areas including:

- *residential, high density residential, and other forms of housing and accommodation such as caravan parks, relocatable home parks and the like;*

- *community facilities such as schools, local open space, religious activities, sporting and small scale recreational facilities.*

It is considered that a Local Community Facility for the provision of administration and commercial support for the services provided by MADEC conflicts with the DEO's because the site is zoned Higher Density Residential and the intent of the site is for residential purposes. In addition, the proposed use does not fall in the major community facilities category as identified above.

Applicable Codes

The subject site is zoned Higher Density Residential, contained in the City South Precinct of the City Centre Locality. The subject site is affected by the Flood and Inundation Management Overlay. The following codes are applicable:

- Mackay City Centre Locality Code
- Local Community Facilities Code
- Environment and Infrastructure Code
- Flood and Inundation Management Overlay Code.

As the application applied for is Impact Assessable, the application is assessed against all relevant provisions of the Mackay City Planning Scheme.

Mackay City Centre Locality Code

- Overall Outcomes

The proposal generally complies with the Mackay City Centre Locality Code with the exception of Specific Outcome P11 which requires *Adequate parking is provided in all new developments by application of Schedule 2.*

The development proposes eight carparking spaces including one disabled carpark. A Local Community Facility requires one carparking space per employee, three visitor spaces, plus one bicycle parking space per 12 employees. MADEC employs approximately 22 staff and 11 trainees, and based on staff employed by MADEC this equates to a total of 36 carparking spaces plus three bicycle parking spaces. The applicant has identified a number of staff work off site with the current office experiencing staff peaking at 13 in the morning, eight at lunch time and 11 staff in the afternoon. Given this information, calculations on 13 staff equate to a total of 16 carparking spaces and two bicycle parking spaces, creating a deficiency of eight carparking spaces.

Proposed staff on site include Managers, Administrators, Officers and Receptionist. Officers will utilise this office as a base and for initial assessment, thereafter attending to clients off site. On-site training and meeting rooms are primarily for the use of internal staff. The applicant advises 10 staff are expected to be present at the Turner Street office at any one time on a typical day due to a recent loss of a contract resulting in a staff reduction of three. The applicant also advises MADEC staffing and vehicle levels fluctuate based on contracts, and as such can increase or decrease at any time.

The use should be assessed against the carparking requirements for a Local Community Facility, not the Commercial Premises use rate preferred by the applicant. Refer to Submission section 1. Vehicle Parking and Traffic Congestion of this Report.

In addition to the non-compliance for parking numbers, on-site vehicle movements do not comply with Australian Standard AS 2890.2-1989, as they do not allow vehicles to exit the site in a forward gear with no more than a three point turn. It is also of concern that the disabled carpark is required to reverse into Turner Street to exit the site. Based on an assessment of the proposal against the Australian Standard only two spaces can comply.

Traffic congestion is currently an issue within this vicinity with off street parking in Turner Street currently at a maximum during business hours. Hayes Lane is to the immediate north, and due to the width and design is unavailable for off street parking. Evan Street is to the immediate south and off street parking is heavily utilized by short term parking for the South Mackay Post Office, South Mackay Newsagency, Bottleshop and café. Added to this, the light industrial uses to the north of Turner Street has created additional traffic issues with buses and heavy vehicles, ie. semi trailers, utilizing Turner Street as a traffic path into Hayes Lane.

In summary, the use could be support on this site if it met the relevant codes for development of a Local Community Facility. However, the current design is not acceptable and the use as proposed does not satisfy the Locality Code.

- Higher Density Residential Zone Code

  The Overall Outcomes for the Higher Density Residential Zone are as follows:

  a) a range of housing types, including duplexes, multiple dwellings units and accommodation units, are provided in the zone at densities greater than those allowed in the Urban Residential zone;

  b) the character and amenity of streets in the zone are maintained and enhanced through the adoption of contemporary architecture and integrated landscaping and street planting.

  Under the Mackay City Consolidated Planning Scheme (24 April 2009) the intent of the Higher Density Residential Zone is to encourage higher density residential use, and a Local Community Facility is not encouraged within this zone, although such a use could be considered if it could meet the relevant codes for this development.

- City South Precinct

  The proposal generally complies with the City South Precinct.

Local Community Facility Code

The overall outcome for the Local Community Facilities Code is to ensure premises used for local community facilities:

a) are located to be compatible with the surrounding land uses, considering the scale of development;
b) provide safe and convenient vehicular and pedestrian access to meet the mobility requirements for all persons; and
c) complement the existing character and amenity of the locality.

It is considered this proposal is non-compliant with the overall outcomes, as the site cannot accommodate the required carparking and does not provide safe vehicle movements, as discussed in the 'Mackay City Centre Locality Code – Overall Outcomes' section of this report.

The site area is 678m^2 which does not comply with the required minimum 1,000m^2 as set out in the Acceptable/Probable Solutions of the Local Community Facility Code. Due to the area of the site, this proposal is not capable of accommodating the building along with vehicle parking and manoeuvring requirements.

Environment and Infrastructure Code

The proposal generally complies with the Environment and Infrastructure Code with the exception of vehicle parking and flooding, as discussed in the 'Mackay City Centre Locality Code – Overall Outcomes', 'Flood and Inundation Management Overlay Code' and 'Submissions' sections of this report.

Flood and Inundation Management Overlay Code

The applicant proposes to redevelop an existing dwelling house currently with a ground floor level of RL 4.15 AHD and propose a new building interconnected at a height of RL 4.9 AHD, which is 1m above ground level.

The Mackay City Consolidated Planning Scheme (24 April 2009) requires a minimum floor level of RL 5.4m AHD. The Q_{100} level from Pioneer River flooding for the subject site is RL 5.1m AHD, however the site is subject to storm surge therefore RL 5.4m AHD is the minimum level for buildings in this area.

The applicant has supplied a Cyclone/Storm Policy and gives reasons for the reduced floor level of 0.5m is to achieve:

- a greater level of flood immunity for the new building than the existing building;
- disabled access directly accessible from the disabled carpark, and is not cost prohibitive;
- interconnectivity between the existing and proposed building at the first floor level; and
- integration of the proposed building with the existing building from a streetscape perspective.

The applicant advised increasing the minimum floor level by 0.5m to RL 5.4m AHD will have the following adverse impacts on the proposal:

- increased difficulty for all users to access the premises with an additional 7 metres of ramping required;
- relocation of the proposed disabled carpark, which will in turn impact on carpark numbers and disabled accessibility;
- less practical to interconnect the proposed building with the existing building at first floor level with a height difference of approximately 1.4m;
- exaggerate the height difference between the two buildings, making the roof interface between the existing and new buildings difficult; and
- overall more costly to develop.

In consideration of the State Planning Policy (SPP) 1/03, the development is required to demonstrate the following:

> *"Can overriding need for the development in the public interest be demonstrated and are there no other sites suitable and reasonably available?"*

If the above statement cannot be demonstrated SPP 1/03 states *"the development application does not achieve Outcomes 1 and 2 of the SPP and should not be approved"*.

Whilst it is agreed there is a public need for the services of MADEC, the community facility will only be occupied during the day, and a Cyclone/Storm Policy can manage evacuation and elevation of important workplace infrastructure, it is considered more suitable sites are available in close proximity to public transport. It is also of concern the proposed new building is below the Q_{100} Pioneer River flood level of RL 5.1m AHD.

In summary, the proposal does not comply with the intent of the above Codes, the areas of non-compliance are identified below:

1. Inability to achieve vehicle parking and manoeuvring due to the size of the site.

2. The proposed new building as part of this development is 0.5m below the required minimum floor levels.

3. The intent of the Higher Density Residential Zone is primarily for residential purposes.

PLANNING SCHEME CONTRIBUTIONS POLICIES

The following contribution policies would be applicable to a Local Community Facility on the subject site:

- Water Supply and Sewerage Infrastructure Contributions Policy
- Transport Network Contributions Policy
- Parks Contributions Policy – Public Parks and Community Land (PPCL) – Developer Contributions.

As this report recommends refusal, an analysis of likely contributions has not been undertaken.

SUBMISSIONS

The application was publicly notified in accordance with the requirements of the *Integrated Planning Act 1997*, and as a result of this process, three individually prepared written submissions were received.

The submissions received, expressed opposition to the proposal. The principal concerns raised from the submissions are summarised and discussed below.

1. Vehicle Parking and Traffic Congestion
Each of the three submissions raised carparking and traffic congestion in Turner Street as an issue. They identify an existing carparking and traffic congestion problem in Turner Street due to traffic generated by existing businesses and are concerned the

proposed Local Community Facility will add to further congestion.

Applicant's Response:

The planning scheme seeks 'sufficient' carparking to be provided for the proposed use. The proposed eight carparks should be considered 'sufficient' for the proposed use, given:

- *Eight carparks is recommended by the planning scheme for a 'Commercial Premises' with the same size gross floor area. As previously discussed, the proposed use is an office based 'Local Community Facility' which would be defined as a 'Commercial Premises' under the planning scheme if it did not provide social welfare services.*
- *A single parking rate is recommended by the planning scheme for all 'Local Community Facilities' despite the definition covering a diverse range of community activities (e.g. from an office provide social welfare services to a Community Hall). In relation to offices, this rate is higher than required for 'Commercial Premises', which is essentially the same use. On this basis, the relevance of the recommended rate for 'Local Community Facility' must be questionable.*
- *The proposed facility will attract few visitors. Clients rarely visit the site and largely rely on public transport (e.g. School aged children).*
- *The subject site has specifically been selected for its proximity to public transport services, which can be readily accessed by clients and staff.*
- *Staff and vehicle movements at MADEC's existing office indicate six to seven of the proposed eight carparks will typically be available between the hours of 9am to 2.30pm for private staff vehicle parking and any visitors as the MADEC vehicles are generally out all day.*
- *At peak times, vehicle parking at the existing office is managed to fit as many of the cars on site as possible (e.g. tandem parking). This practice is proposed to continue at the Turner Street facility. However, if needed, there is off-site Council parking provided within 200m of the subject site, including dedicated on-street parking and an off-street carpark at the end of Keats Street (directly accessible from Turner Street by pedestrians).*

As MADEC will open later than the existing businesses in Turner Street, on-street carparking in Turner Street will be well set before the arrival of vehicles associated with MADEC. As such, parking generated by MADEC should have no adverse impact on those businesses.

The existing congestion in Turner Street reported on by the submitters indicates the existing businesses in Turner Street may have outgrown their premises and undertaking activities not suited to the design of Turner Street (e.g. large trucks and extensive on-street parking).

Officers Comments:

The applicant applied for a Local Community Facility, not Commercial Premises, and as such this application has been assessed against the provisions of the Mackay City Consolidated Planning Scheme (24 April 2009) for a Local Community Facility.

The applicant acknowledges the number of carparks required by MADEC is greater than the eight carparks supplied. It is of concern that the applicant advised in their response to the submissions, they proposes unsafe vehicle movements with tandem parking on site by MADEC vehicles. This practice would in turn leave no free visitor carparks. If visitors are required to park as far as Prospect Street and walk to the offices, the accessibility of the subject site becomes questionable.

The applicant advises clients rarely visit the site and largely rely on public transport, and can be readily accessed by clients and staff, which supports the suitability of the site. On examining the Mackay Transit Coaches routes the nearest bus stop is approximately 400m, being Evan Street within Route 1 (City to East Mackay) between Prospect and Wentford Street (refer Attachment C). Whilst this distance does not appear great, consideration should be given to children with disabilities, ease of connections, and timing of connecting routes for staff and school children.

The Mackay Regional Council carpark sited at the end of Keat Street and Eighteenth Lane is not connected to Turner Street by way of a formed pedestrian path; a rough, uneven track connects the carpark to Turner Street.

Staff carparking proposes to be available between the hours of 9am to 2.30pm. Traffic congestion within this area occurs during business hours. It is unlikely staff will move vehicles to and from the site for this short period of time.

Whilst deliveries are received by the current businesses in Turner Street, the light industrial uses to the north of Turner Street has created additional traffic issues with buses and heavy vehicles, ie. semi trailers, utilizing Turner Street as a traffic path into Hayes Lane. On site vehicle manoeuvring and safety is still of concern, where vehicles are not able to exit the subject site in a forward gear with no more than a three point turn, and the disabled carpark is designed so that reversing into Turner Street is the only form of exit.

In summary, the vehicle parking is inadequate both in terms of quantity as well as manoeuvrability on the site. Unless the building was redesigned to better accommodate the use, then the current design will require staff and MADEC vehicles to be parked in Turner Street creating further congestion.

2. Flood and Inundation

One submission raised flooding as an issue as their business lost nine computer hard drives and were without phone or power for up to two days with almost 1m of water in the premises.

Applicant's Response:

While the proposed floor level of the new building is less than the Q_{100} flood level, the proposed new building floor level is almost about 0.75 metres higher than existing building on the subject site and existing businesses in Turner Street.

The proposed development meets the circumstances whereby State Planning Policy 1/03

allows Council to approve floor levels below the Q_{100}.

The risk to the safety of people is low. If a flood event occurs during a work day without adequate warning, occupants can retreat to the first floor level, which is located well above the flood level. At other times there should be no occupants of the facility. The risk to property can be reduced by locating valuable items (e.g. computer hard drives) on the first floor or otherwise elevated at the ground floor level.

MADEC is now developing facilities on both the north and south side of the Pioneer River. This should allow them to continue to provide their services to the community if one office is adversely impacted by a flood event. During the 15 February 2008 flood event, it was not critical to access the existing office during the flood event.

Increasing the minimum floor height by 0.5m to achieve the Q_{100} level of RL 5.4m AHD will have the following adverse impacts on the proposal:

- *Increased difficulty for all users to access the premises (beyond limits of practicality) as an additional 7 metres of ramping will be required. The proposed ramp is already at the limit of practicality with 3 legs and intermediate landings at each directional change.*
- *Relocation of the proposed disabled access carpark away from the disabled accesses to the carparking area on the northern side of the building, which in turn will adversely impact on carpark numbers and disabled accessibility.*
- *Less practical to interconnect the proposed building with the existing building at the first floor level (height difference about 1.4m).*
- *Exaggerate the height difference between the two buildings, make roof interface between the existing and new buildings difficult and affect the streetscape with the new building above and out of proportion with the old; and*
- *Overall more costly to develop.*

Officers Comments:

Under SPP 1/03, Council can only approve floor levels below the Q_{100} level if there are no other sites suitable and reasonably available. Council codes require in fact that floor levels higher than SPP 1/03, being 300mm above Q_{100} or RL 5.4m AHD whichever is the greater.

Given that the area of the subject site is only 678m^2 and the adverse impacts on the proposal to achieve the minimum floor level of RL 5.4m AHD, further highlights the unsuitability of the site due to its size.

3. Land Use

One submission raised land use as an issue. The submitter considers the use to be 'Commercial Premises' and not consistent with the sites 'Higher Density Residential' zone.

Applicant's Response:

The proposed use is defined by the planning scheme as a 'Local Community Facility'

not a 'Commercial Premises' as it provides a social welfare/community service. However, it is acknowledged the use will function like an office ('Commercial Premises'). A 'Local Community Facility' is a suitable use of the subject site, given:

- *A local community facility is identified by the planning scheme as a 'consistent use' on the subject site;*
- *Higher order outcomes of the planning scheme recognise residential development must be conveniently serviced with a range of community facilities to achieve a standard of living coincident with resident's expectations;*
- *The site is preferred for a local community facility due to its accessibility, affordability and availability; adjoins a node of existing non-residential uses; provides a transition between the adjoining non-residential and residential uses; and can be readily re-used for residential accommodation purposes.*

Officers Comments:

The intent of the zone is for residential purposes. It is of concern that the applicant suggests the development can be readily re-used for residential accommodation purposes, when they are proposing to develop at RL 4.9m AHD. As a result they would be increasing the number of people living on a site developed below the minimum floor level, and as such creating a situation where people are exposed to a hazard that may result in serious injury, loss of life, or the possibility of making a dwelling unfit for habitation. The Local Community Facility would be acceptable in this zone on this site, if the building was redesigned to address the floor level, carparking and vehicle manoeuvring codes.

CONSULTATION

Internal

The application was discussed with representatives from various Departments at the Development Assessment Review Team meeting on 9 March 2010.

CONCLUSION

The proposed Local Community Facility by MADEC at 4 Turner Street is not consistent with the Mackay City Consolidated Planning Scheme (24 April 2009). The size of the subject site is not adequate for the facility to achieve minimum floor levels, vehicle manoeuvring and achieve carparking requirements. Traffic congestion and existing off street parking in this area cannot accommodate the overflow of carparking required for this development.

Officer Recommendation

A. THAT Council refuse the application for a Material Change of Use for a Local Community Facility located at 4 Turner Street, Mackay, described as Lot 6 on RP706593, for the following reasons:

1. The proposed use conflicts with the intent and overall outcomes of the Mackay City Consolidated Planning Scheme (24 April 2009).

2. The proposed use does not comply with Council's Vehicle Parking, Access and Manoeuvring Standards.

3. The proposed building floor levels do not comply with Council's 'Flood and Inundation Management Overlay Code'.

4. The proposed building floor levels do not comply with State Planning Policy 1/03 Mitigating the Adverse Impact of Flood, Bushfire and Landslide'.

5. The applicant has not demonstrated that there is sufficient grounds to approve the application despite the conflicts in the Planning Scheme.

Council Resolution

THAT the Officer Recommendation be adopted.

Moved Cr Hatfield **Seconded Cr Cameron**

CARRIED

Cr Camilleri voted for the motion.

8.2 WATER & WASTE SERVICES MONTHLY PERFORMANCE MANAGEMENT REPORT FEBRUARY/ MARCH 2010

Author Director Water & Waste Services

Purpose

To provide Council with Water & Waste Services Monthly Performance Management Report for the period ending 28 February 2010 & 31 March 2010.

Officer Recommendation

THAT the Monthly Performance Management Report be received.

Council Resolution

THAT the Officer Recommendation be adopted.

Moved Cr Thomsen **Seconded Cr Comerford**

CARRIED

9. CONSIDERATION OF COMMITTEE REPORTS:

9.1 DRAFT MINUTES MACKAY PUBLIC AND COMMUNITY TRANSPORT ACTION ADVISORY COMMITTEE

Author Manager Community Development

Purpose

Attached for information purposes is a copy of the draft minutes of the Mackay Public and Community Transport Action Advisory Committee meeting held 29 March 2010.

Officer Recommendation

THAT the minutes be received.

Council Resolution

THAT the Officer Recommendation be adopted.

Moved Cr May **Seconded Cr Steindl**

CARRIED

9.2 DRAFT MINUTES OF THE SUSTAINABLE FUTURES ADVISORY COMMITTEE MEETING HELD 29 MARCH 2010

Author Director Corporate Service

Purpose

To review and endorse the recommendations and actions in the attached draft minutes of the meeting of the Sustainable Futures Advisory Committee held 29 March 2010.

Officer Recommendation

THAT the attached minutes be adopted.

Council Resolution

THAT the Officer Recommendation be adopted.

Moved Cr May **Seconded Cr Camilleri**

CARRIED

10. RECEIPT OF PETITIONS:

Nil.

11. TENDERS:

Nil.

12. CONSIDERATION OF NOTIFIED MOTIONS:

Nil.

13. LATE BUSINESS:

13.1 THE AUSTRALIAN REGIONAL WOMEN LEADERS CONVENTION

Cr Comerford thanked Council for the opportunity for both herself and Cr May to attend The Australian Regional Women Leaders Convention in Melbourne. Both Cr May and Cr Comerford gained a great deal of knowledge from this convention.

14. PUBLIC PARTICIPATION:

Nil.

15. CONFIDENTIAL REPORTS:

15.1 MONTHLY DEVELOPMENT ASSESSMENT APPEALS REPORT

THAT the report be received.

Moved Cr Hatfield **Seconded Cr Comerford.**

CARRIED

16. MEETING CLOSURE:

The meeting closed at 10:16 am

17. FOR INFORMATION ONLY

17.1 DEVELOPMENT APPLICATION INFORMATION - 28.03.10 TO 03.04.10

For Council Information Only - No Decision Required.

Development Applications Received

App no	Address	Applicant	Description	Officer
MCUCD-2008-483	30 Len Shield Street, PAGET	SJ Taylor Constructions Pty Ltd	Extension of Metal Fabrication Workshop - Request to Change Development Approval	Darryl Bibay
MCUC-2010-68	25 Cemetery Road, SARINA	Ian J Korte	Outbuildings with a combined total of 73m2 in the Town Zone (Residential Precinct).	Josephine McCann
OW-2010-27	L 4 Farrellys Road, PAGET	Mackay Regional Council	Operational Works - Road Works, Drainage Works, Stormwater, Earthworks, Signage, Water Infrastructure, Sewerage Infrastructure	
CON-2010-34	4-8 Stoddart Place, WALKERSTON	Dale S Algate and Cynthia L Algate	Road Boundary Setback Variation (Stoddart Place).	Josephine McCann
MCUC-2010-101	196 Nebo Road, WEST MACKAY	Martin Lambert	Home-based Business	
MCUC-2010-95	7 Cuttlefish Court, EAST MACKAY	Anthony S Wilson	Residential Storage Shed	Sonia Cannell
CON-2010-35	4 Ahern Court, RURAL VIEW	Lifestyle Homes Mackay Pty Ltd	Road Boundary Setback Variation (Dawson Bvld).	Josephine McCann
OW-2010-26	L 2 Sarina Beach Road, SARINA	Vanwhig Pty Ltd	Operational Works - Roadworks, Drainage Works, Landscaping, Stormwater, Earthworks, Water Infrastructure, Sewerage Infrastructure	
MCUC-2010-94	6 Ginger Street, PAGET	DJ Titmarsh Constructions Pty Ltd	General Industry Building	Helle Jorgensen Smith
ROLC-2010-98	1 Alberta Street, MIRANI	Zoneta Pty Ltd	Reconfiguration of a Lot - Code - 1 into 2 Lot Subdivision	Kathryn Goodman
CON-2010-37	5 Gorman Street, BAKERS CREEK	Micah C Butt and Coastal Building Approval Service	Removal of Dwelling	Bruce Lenahan
MCUC-2010-97	5 O'Flynn Crescent, MIDGE POINT	The Certification Professionals	Residential Storage Shed	Josephine McCann
CON-2010-36	2 Turtle Place, BLACKS BEACH	Weiss Constructions	Concurrence Agency - Dwelling House Setback Relaxation	Dennis O'Riely

Development Applications Finalised

App No	Location	Applicant	Description	Officer
Approved Subject to Conditions				-
OW-ASPA-2010/18	2 Mangrove Road MACKAY QLD 4740	James Foreman	Bulk Earthworks for Shopping Centre Re-development	Colin Kelleher

MCUIMP-IDAS-2008/785	13-47 Rosewood Drive RURAL VIEW QLD 4740	Eulcom Pty Ltd	Combined application comprising a Preliminary approval for Locality Concept Plan no 10 for the Major Neighbourhood Centre AND a Development permit for Stage 3 and Stage 4 extension to Shopping Centre, Showroom-General, Hardware Store, Hotel, Child Care Centre, Educational Establishment, Special Purpose and Veterinary Hospital Land Uses	John Caldwell
RECONF-IDAS-2009/473	2-6 Collett Court MARIAN QLD 4753	Publius Zahra	Reconfiguration of 1 Lot to create 2 Residential Lots	Kathryn Goodman
OW-IDAS-2009/112	L 900 Sologinkin Road RURAL VIEW QLD 4740	Frost Consulting Engineers	Operational Works - Roadworks, stormwater, water, sewerage, earthworks, landscaping, drainage works as part of residential subdivision	Renan Solatan
ROLC-ASPA-2010/38	241 Bedford Road ANDERGROVE QLD 4740	Graham D Bowling	Boundary Realignment	Sonia Cannell
Negotiated Decision				-
MCUCD-IDAS-2009/491	415 Sorensens Road KUTTABUL QLD 4741	Beverley Hollands	Caretaker's Residence	Josephine McCann
MCUCD-IDAS-2009/353	L 4 Farrellys Road PAGET QLD 4740	Mackay Regional Council	General Industry and ERA No 21 - Paget Depot	Leah Sorohan
RECONF-IDAS-2009/354	L 4 Farrellys Road PAGET QLD 4740	Mackay Regional Council	Reconfiguration of 3 lots to create 6 lots	Leah Sorohan

Confirmed on Wednesday 28 April 2010.

.....

MAYOR

Executive Summary: Water and Waste Services Performance Management Report February/ March 2010

The month of March had a significant focus on managing the outcomes of cyclone Ului. The impact of power loss had a significant impact on the sewerage system and part of the potable water supply system. The significant amounts of green waste that resulted, required significant management to coordinate its removal and disposal. Whilst there has already been numerous acknowledgement to staff involved I would to again like to recognise the outstanding performance of all WWS staff involved both prior and after the event. There hard and diligent works ensured there was as minimal disruption as possible to the essential services we provide.

One of the continuing focuses over the last two months has been on the operational and capital program for 09/10 and planning for the operational and capital program for 10/11. Overall the 09/10 budget is in a good position for the YTD. Delivery ion capital remain s a focus and greater rigor has gone into this for 10/11 to ensure that things such as planning & design, priority of work and risk of non delivery are key tools for determining the program for 10/11.

Major water projects such as Nebo Rd WTP upgrade and Sarina pipeline are progressing although the final dates for completion have slipped due to factors such as wet weather.

Water Services' planning and sustainability manager Kylie Rogers was recognised for her valuable contribution to women in Local Government with an ALGWA Certificate presented at a morning tea with Councillors recently.

Waste Services are continually to look at the planning for major projects identified in the waste Strategy such as transfer stations at Otterburn, Haypoint and a new Northside transfer station, closing and remediation programs for existing landfill sites and future cell construction at Hogan's Pocket.

Director Water and Waste Services

Performance Management Report
February/ March 2010

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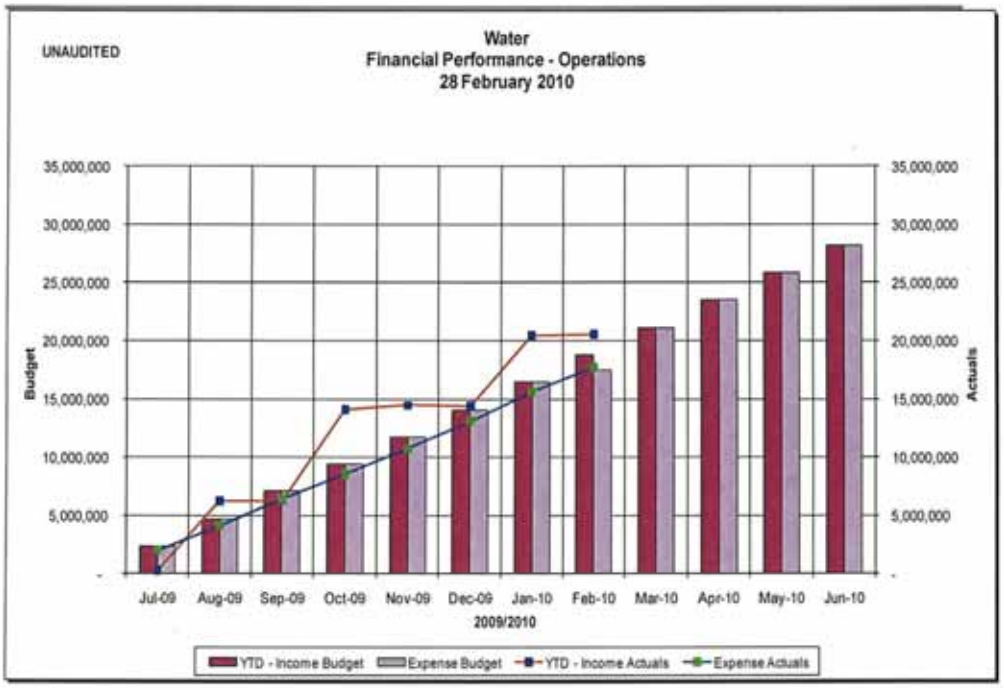
1 BUSINESS SERVICES – February 2010

1.1 Finance

The financial performance figures for Water and Waste Services Business Units will be included in the Executive Monthly Financial Report, produced by the Corporate Services department.

Financial Performance of Individual Business Unit Areas

Performance Area	09/10 Budget			Actuals	Actuals + Commit.	Comment
	Original	Revised	YTD			
Water						
Revenue	-28,207,725	-28,207,725	-18,805,150	-20,556,742		
Expenditure	25,249,319	25,249,319	16,832,879	15,056,963		
Internal Transfers	2,943,677	958,755	639,170	2,711,079		
Profit/Loss	-14,730	-1,999,651	-1,333,101	-2,788,700		
Wastewater						
Revenue	-29,128,524	-29,128,524	-19,419,016	-28,946,053		
Expenditure	27,055,393	27,055,393	18,036,929	14,491,995		
Internal Transfers	2,087,861	-3,910,700	-2,607,133	2,201,678		
Profit/Loss	14,729	-5,983,831	-3,989,221	-12,252,380		
Waste						
Revenue	-18,325,090	-18,325,090	-12,216,727	-16,804,516		
Expenditure	17,261,451	17,229,652	11,486,435	8,539,349		
Internal Transfers	1,063,639	91,123	60,749	402,172		
Profit/Loss	0	-1,004,315	-669,543	-7,862,996		
Sewerage Recoverable Works	-41,695	-41,695	-27,796	75,940	75,940	
Water Recoverable Works	-139,306	-139,306	-92,871	-218,232	-218,232	
CCTV Recoverable Works	9,468	9,468	6,312	-12,486	-12,486	
Bulk Water Sales	-413,400	-413,400	-275,600	-322,503	-318,769	
Plumbing Inspections	-194,357	-194,357	-129,571	-408,874	-401,280	
Trade Waste	-1,033,808	-1,033,808	-689,206	-935,265	-925,946	
Lab Services	641,405	641,405	427,603	348,874	387,288	
Sewer Modelling	-18,746	-18,746	-12,497	5,246	5,246	
Water Modelling	-10,000	-10,000	-6,667	82	82	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Water
Financial Performance - Operations
28 February 2010
Budget
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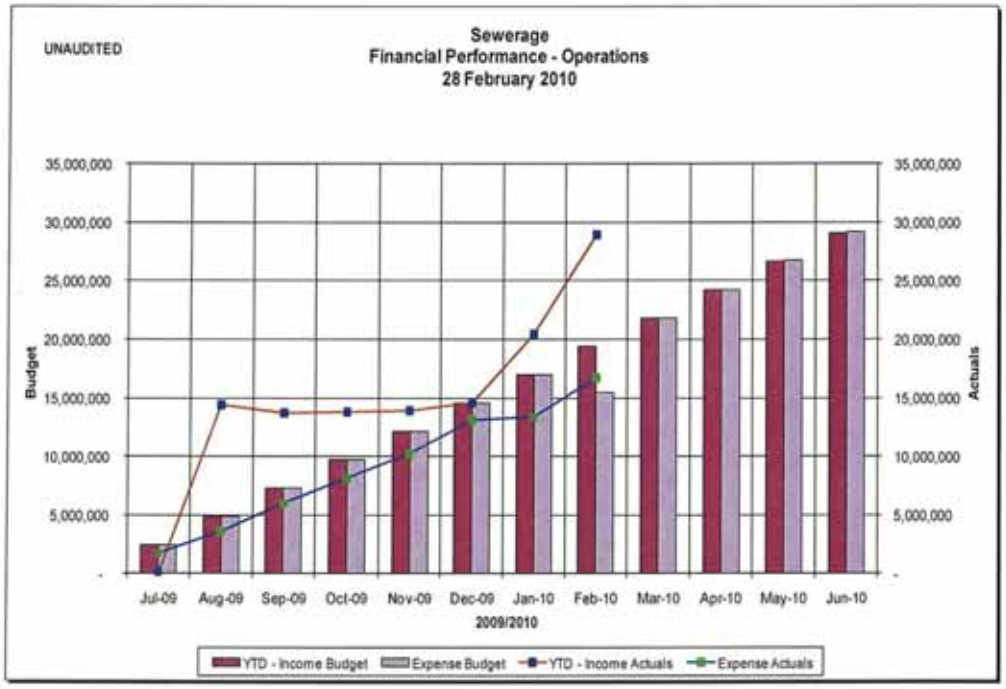
YTD - Income Actuals
Expense Actuals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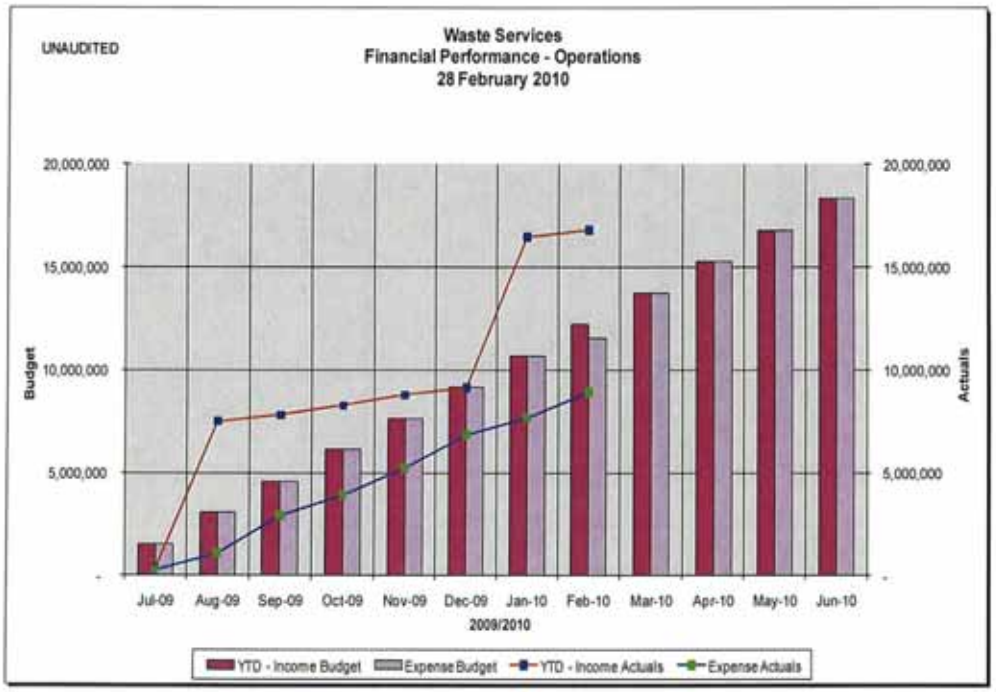


1.2 **Customer Service**

The following key activities have occurred relevant to customer service during the month.

- 2 water exemption applications processed
- Water rebate approval rates have remained steady with 4 processed for the month and 8 rainwater tank rebate applications still in the approval process
- Customer service received 31 water restriction enquiries in February, a significant reduction compared to previous months, 6 enquiries about Trade Waste and 6 about the waste survey.

Water Meter Applications

A summary of the water meter applications that have been processed are detailed in the table below.

Water Meter Applications for period ended 28th February 2010

	Applications Lodged				Applications Finalised				Applications Outstanding			
	20mm	25mm	>25mm	Total	20mm	25mm	>25mm	Total	20mm	25mm	>25mm	YTD
2008/2009	12	0	5	17	0	0	0	0	12	0	5	17
Jul-09	73	0	7	80	56	0	0	56	29	0	12	41
Aug-09	85	0	10	95	34	0	0	34	80	0	22	102
Sep-09	82	0	12	94	121	0	17	138	41	0	17	58
Oct-09	85	0	13	98	45	0	4	49	81	0	26	107
Nov-09	89	0	10	99	122	0	20	142	48	0	16	64
Dec-09	64	0	8	72	49	0	4	53	63	0	20	83
Jan-10	54	0	5	59	30	0	5	35	87	0	20	107
Feb-10	76	0	4	80	112	0	10	122	51	0	14	65
Total 09/10	608	0	69	677	569	0	60	629				

Note: There are 4 - 20mm Outstanding Applications that have carried over from 07/08
Note: There are 8 - 20mm & 5 >25mm Outstanding Applications that have carried over from 08/09

Customer Satisfaction Survey Results

Results have not been updated since last month.

Customer Service Requests

A summary of the customer request that have been received through the pathways system for the month are detailed in the table below.

Monthly Report February 2010
Customer Request System - Pathways

	Feb-10			TOTALS - YTD 2009/2010		
Statistics for Water						
Request Category	**Ordinary Request**	**Call-Out Request**	**Total Request**	**Total Ordinary Request Y-T-D**	**Total Call-Out Requests Y-T-D**	**Total Requests Y-T-D**
Fire Hydrant or Service Valve Damaged/Leaking	6	4	10	48	28	76
Water Service - Backflow Prevention Devices			-	3	-	3
Water Main - Broken/Leaking	7	12	19	55	104	159
Water Main - Replacement			-	-	-	-
Water Meter - Broken/Leaking	71	31	102	616	231	847
Water Miscellaneous	11	2	13	114	21	135
No Water	1	4	5	39	41	80
Low Water Pressure	2	2	4	52	8	60
Dirty Water / Cloudy Water	11	6	17	69	25	94
Water Odour/Taste/Smell	-	2	2	12	8	20
Public Amenities	10	-	10	94	13	107
Repair Park & Rec facilities - exclude public amenity	-	1	1	11	9	20
Water meter rewasher or leaky stopcock	21	2	23	160	26	186
Water Service Broken/Leaking	61	28	89	621	208	829
Water Service Replacement			-	1	-	1
Water Service - Subsidence in Ground			-	2	-	2
MRC Community Hall Repairs			-	7	-	7
Repair to MRC Pensioner Cottage	2	-	2	20	-	20
Alleged Breach of Water Restrictions	1	-	1	24	4	28
Water Leak	3	1	4	25	13	38
Drinking Fountains	1	-	1	18	1	19
WATER TOTAL	**208**	**95**	**303**	**1,991**	**740**	**2,731**
Statistics for Sewer						
Broken Manhole	1	-	1	8	-	8
Building Over Sewer Enquiries			-	-	-	-
Hit through sewer pipe / Breaks	1	-	1	5	-	5
Sewer Miscellaneous	4	-	4	25	5	30
Sewerage Overflows/Spillage	6	-	6	19	8	27
Public Toilets			-	8	4	12
Pump Station Faults			-	-	-	-
Sewerage Blockage	3	4	7	49	25	74
Sewerage Smell	2	1	3	13	6	19
Subsidence in Ground	3	-	3	16	-	16
Copies of Plans & Sewer Plans & Depths	112	-	112	822	1	823
SEWER TOTAL	**132**	**5**	**137**	**965**	**49**	**1,014**
GRAND TOTAL	**340**	**100**	**440**	**2,956**	**789**	**3,745**

Backflow Licensing

Due to the shortage of administration staff at the depot premises (we are at 50% of contingent at the moment, with sick leave further deteriorating availability), the *Scheduled Devices Overdue for Testing* figures may not be as high as what is showing on the report. (The completed testing has to be input by Business Services Officers upon receipt of the plumbers certificate.)

BACKFLOW TESTING UNDERTAKEN BY MACKAY WATER & WASTE to 28th February 2010				
Reporting Period	Devices Tested this Fin. Year		Devices Scheduled for Testing this Fin. Year	Devices Scheduled and overdue for Testing this Fin. Year
	Devices Tested	Y-T-D		
31 July 2009	272	272	285	13
31 August 2009	99	371	114	15
30 September 2009	159	530	195	36
31 October 2009	138	668	148	10
30 November 2009	77	745	103	26
31 December 2009	71	816	107	36
31 January 2010	27	843	127	100
28 February 2010	65	908	77	12
BACKFLOW REGISTRATIONS				
Number of registered devices		2,194		
Number of active licenses		604		
06/07 No of outstanding licenses		2		
07/08 No of outstanding licenses		4		
08/09 No of outstanding licenses		28		
09/10 No of outstanding licenses		87		
% of Outstanding Licences		20%		

1.3 Human Resource Management

The following key activities have occurred relevant to human resource management during the month.

- The directorate had a total of 30 vacancies
- The following positions were recruited during the month: Plumber, Student Engineer, Labourer, WTP Operator, Sampler, Administration Officer (Waste)
- The following positions were vacated during the month: 2 x Plumber, 2 x Administration Officer, Student Engineer, Client Project Coordinator
- The following safety hazard inspections were undertaken during the month and rectification action plans issued as identified

Inspections	Scheduled	Done	RAP issued
Offices – Bedford Rd	Feb 2010	No	No
Laboratory	Feb 2010	04.03.10	No
Workshop – Bedford Rd	Feb 2010	No	No
Vehicle – Trade Waste	Feb 2010	No	No

Maintenance Worksite	Feb 2010	No	No
Reservoirs	Feb 2010	No	No
Finch Hatton Reservoir & Bore Site	No	01.02.10	Yes
Sarina WTP (Chlorine)	No	09.02.10	Yes

- Safety cultural change was supported through ongoing work with development of a Business Proposal and Specification Scope for full upgrade Gas Detectors. This also incorporates service, management and training, management of data and correlation of process and procedures

- Incident Reports for the month

Incident Type	Qty
No Time Lost (NTL)	1
Medically Treated Injury (MTI)	0
Lost Time Injury (LTI)	1
Non Injury incident (NII) - Near miss	3
Public Incident	0

- Officers attended 7 courses for professional development training during the month (refer table below)

Training Course Name	Qty
Word Introduction	2
Word Intermediate	2
Excel Level 1	1
Generation Y	2

- Officers attended 11 courses for compulsory development training during the month (refer table below)

Training Course Name	Qty
CPR	1
Bedford Rd Induction	5
MRC Induction	3
Harassment / Discrimination	2

1.4 **IT Integration**

Integration of LIMS with Finance One is in progress. Project temporarily halted due to coordinator from IT being on annual leave

1.5 **Statutory Reporting**

In February, SAS had a meeting with the Office of the Water Supply Regulator (OWSR) of DERM. This meeting was to aid in streamlining statutory reporting to DERM and set up essential processes for the management of drinking water quality incidents.

1.6 **Communication**

The following key activities have occurred in relation to communication and promotion of the water business for the month.

- Directorate promotion:
  - Updated MRC webpage with water usage stats, water interruption notices and trade waste information session dates
  - Distributed mail out on the Water and Waste Schools Education Program to all primary and high schools within the region
  - Distributed mail out to all builders, turf farms and landscapers about water restrictions and exemption permits
  - Employee award nomination forms and flyers/posters were prepared and distributed to WWS employees
  - Press release on the inflow and infiltration project submitted into the In Focus magazine
- Communication plans:
  - The trade waste communication plan continued to run during February and will end at the end of March; in February there were 60 commercials on Seven, 95 on Win, 150 on Sea FM, 127 on Zinc, 81 on 4MK, 3 advertisements in the Daily Mercury; 2 trade waste information sessions for business owners were held on 24 February - 46 invitations were sent to businesses, 28 people attended the afternoon session and 6 attended the night session
  - The inflow and infiltration communication plan was finalised and the advertising was approved to commence 1 March,
  - 49,500 water restriction magnets were distributed to the region in February as part of the water conservation communication plan
- Internal communication – Stories submitted to the Grapevine included a water saving tip and an update on the new infrastructure crew
- Education – there were no school visits or tours for water education in February, 1 teacher group of 4 attended a joint water and waste presentation at the MRF.

1.7 **Governance**

The following activities have occurred with regard to the improvement of quality systems for the month:

- No Standard Operating Procedure drafts prepared, nil reviewed ready for finalization, awaiting outcome of SafePlan formatting prior to sign off
- Meetings held with MRC Governance to ensure Water & Waste Services are in line with the Corporate approach/plan for Policy and Procedure.
- Work still ongoing for policy review.
- Immunisation review and management plan progressing well with full consultation with MRC WH&S and MRC Health & Regs. Personnel booked into Hepatitis Training package and information sessions
- GE Money Building Emergency Response. An implementation team has been formed utilizing the Building Wardens and WH&SO.

1.8 **Scientific and Analytical Services (SAS)**

New monitoring Projects and Highlights

February was the biggest month in terms of work volumes that SAS has ever experienced. The total number of individual tests was nearly five percent higher than the last biggest month in November 2009. The volume of work is over 100 percent higher than the same time in 2009.

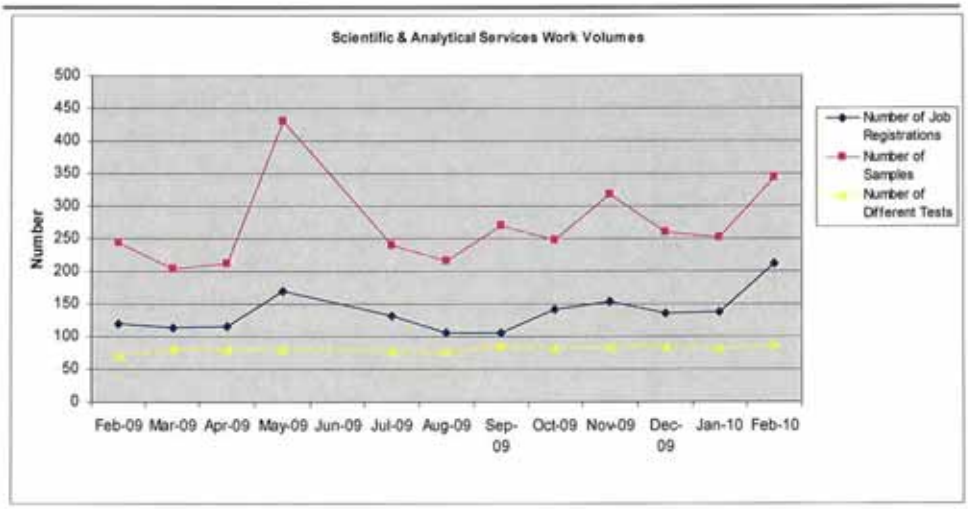
The table below lists the performance of the SAS Laboratory for February 2010.

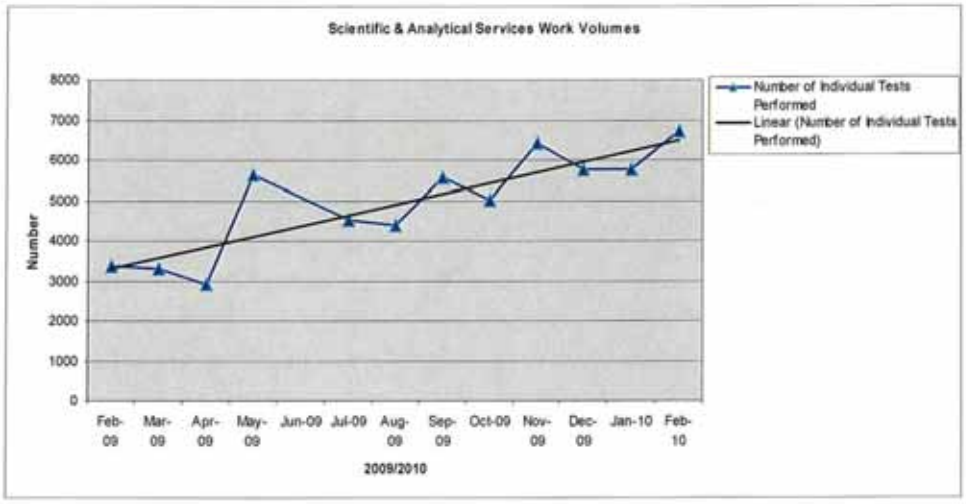
	Feb 2010	Previous 12 Months
Number of Registrations	212	1758
Number of Samples	345	3448
Number of Test Types	89	122
Number of Individual Tests Performed	6719	62897
Number of Clients	23	42

Breakdown of Registrations	
Mackay Water	86 (40.57%)
Other Council Departments (Incl Trade Waste, Strategic Planning, and Aquatic Facilities)	93 (43.87%)
External Clients	27 (15.56%)

* Although consisting of 40% of the registrations, the Water & Waste Services work accounts for over 60% of the number of test performed.

The following graph details the number of tests performed by the laboratory is detailed in the table below.





NATA accreditation

SAS is continuing with finalising the documentation that is required in order for the final NATA assessment to occur. It is expected that the documentation will be submitted to NATA in March. The final assessment has been tentatively booked with NATA for the end of March and early April.

BUSINESS SERVICES - March 2010

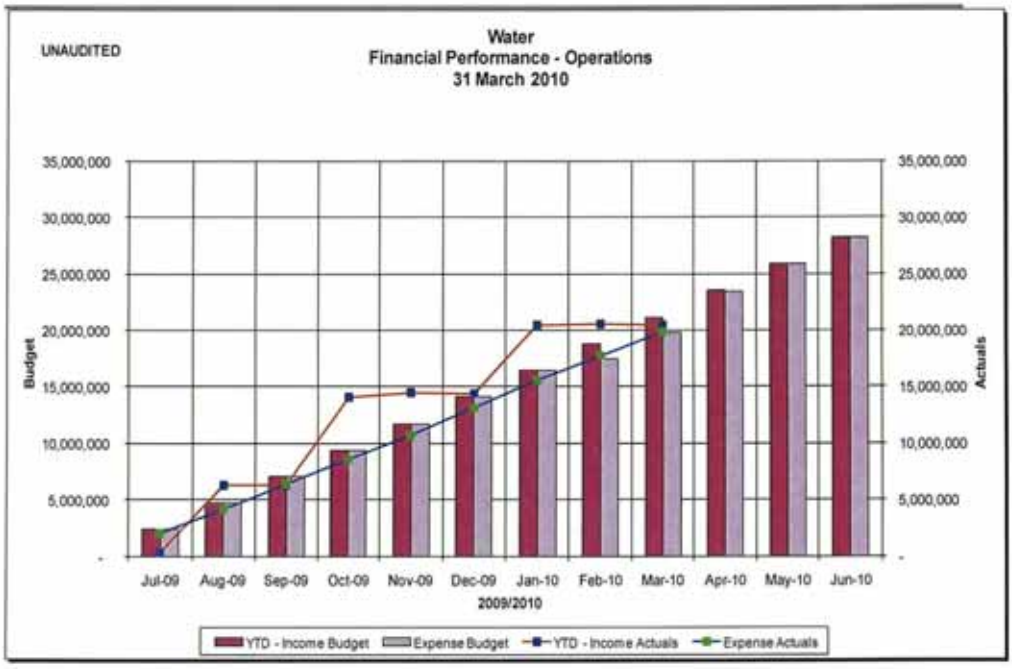
1.9 **Finance**

The financial performance figures for Water and Waste Services Business Units will be included in the Executive Monthly Financial Report, produced by the Corporate Services department.

Financial Performance of Individual Business Unit Areas

Performance Area	09/10 Budget			Actuals	Actuals + Commit.	Comment
	Original	Revised	YTD			
Water						
Revenue	-28,207,725	-28,207,725	-21,155,794	-20,445,930		
Expenditure	25,243,319	25,399,319	19,049,489	16,830,513		
Internal Transfers	2,943,677	958,756	719,067	3,009,257		
Profit/Loss	-20,729	-1,849,650	-1,387,238	-606,160		
Wastewater						
Revenue	-29,128,524	-29,128,524	-21,846,393	-28,319,628		
Expenditure	27,055,393	27,055,393	20,291,545	16,325,008		
Internal Transfers	2,087,861	-3,910,700	-2,933,025	2,976,161		
Profit/Loss	14,730	-5,983,831	-4,487,873	-9,018,459		
Waste						
Revenue	-18,325,090	-18,325,090	-13,743,818	-17,104,594		
Expenditure	17,261,452	17,229,652	12,922,239	10,577,613		
Internal Transfers	1,063,639	91,123	68,342	962,837		
Profit/Loss	1	-1,004,315	-753,236	-5,564,144		
Sewerage Recoverable Works	-41,695	-41,695	-31,271	62,115	62,115	
Water Recoverable Works	-139,306	-139,306	-104,480	-298,228	-298,228	
CCTV Recoverable Works	9,468	9,468	7,101	-15,044	-15,044	
Bulk Water Sales	-413,400	-413,400	-310,050	-339,897	-336,163	
Plumbing Inspections	-194,357	-194,357	-145,768	-419,100	-411,708	
Trade Waste	-1,033,808	-1,033,808	-775,356	-858,974	-850,653	
Lab Services	641,405	641,405	481,054	414,363	467,378	
Sewer Modelling	-18,746	-18,746	-14,059	277	277	
Water Modelling	-10,000	-10,000	-7,500	2,140	2,140	

A second water meter read is due to occur before the end of the financial year which will contribute to the final water revenue actual. Operational costs remain below budgets for the current YTD period placing the overall program in a good position. Work is being undertaken to review the Sewerage Recoverable Works area which will flow into revised Fees and Charges for 10/11.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31 March 2010
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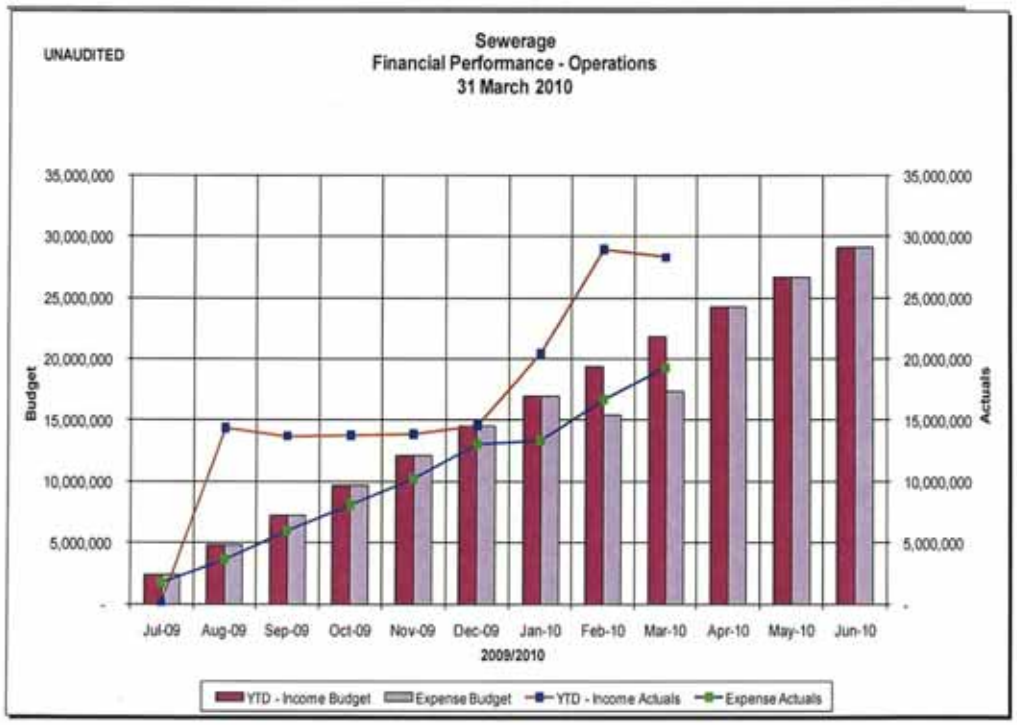
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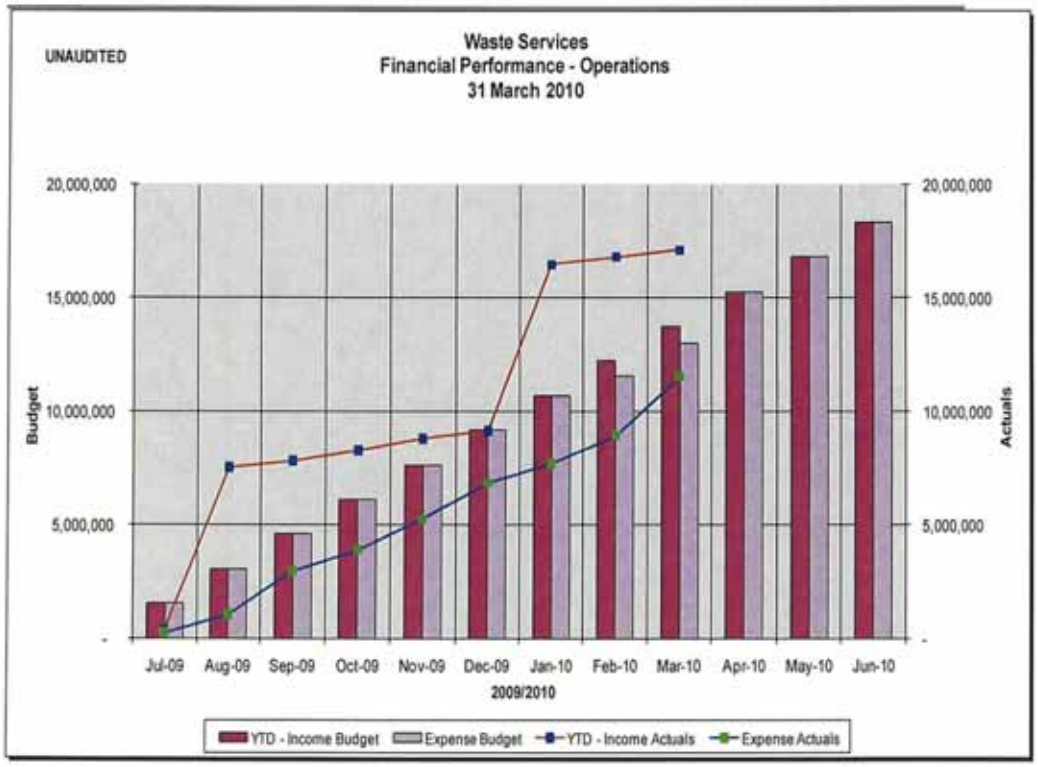


1.10 **Customer Service**

The following key activities have occurred relevant to customer service during the month.

- 2 water exemption applications processed
- Water rebate approval rates have remained steady with 4 processed for the month and 7 rainwater tank rebate applications waiting still in the approval process

Water Meter Applications

A summary of the water meter applications that have been processed are detailed in the table below.

Water Meter Applications for period ended 31st March 2010

	Applications Lodged				Applications Finalised				Applications Outstanding			
	20mm	25mm	>25mm	Total	20mm	25mm	>25mm	Total	20mm	25mm	>25mm	YTD
2008/2009	12	0	5	17	0	0	0	0	12	0	5	17
Jul-09	73	0	7	80	56	0	0	56	29	0	12	41
Aug-09	85	0	10	95	34	0	0	34	80	0	22	102
Sep-09	82	0	12	94	121	0	17	138	41	0	17	58
Oct-09	85	0	13	98	45	0	4	49	81	0	26	107
Nov-09	89	0	10	99	122	0	20	142	48	0	16	64
Dec-09	64	0	8	72	49	0	4	53	63	0	20	83
Jan-10	54	0	5	59	30	0	5	35	87	0	20	107
Feb-10	76	0	4	80	112	0	10	122	51	0	14	65
Mar-10	55	0	11	66	33	0	4	37	73	0	21	94
Apr-10				0				0	73	0	21	94
May-10				0				0	73	0	21	94
Jun-10				0				0	73	0	21	94
Total 09/10	663	0	80	743	602	0	64	666				

Customer Satisfaction Survey Results

There have been no updated results issued since last month.

Customer Service Requests

A summary of the customer request that have been received through the pathways system for the month are detailed in the table below.

Monthly Report March 2010
Customer Request System - Pathways

Statistics for Water	Mar-10			TOTALS - YTD 2009/2010		
Request Category	Ordinary Request	Call-Out Request	Total Request	Total Ordinary Request Y-T-D	Total Call-Out Requests Y-T-D	Total Requests Y-T-D
Fire Hydrant or Service Valve Damaged/Leaking	4	1	5	52	29	81
Water Service - Backflow Prevention Devices			-	3	-	3
Water Main - Broken/Leaking	10	13	23	65	117	182
Water Main - Replacement			-	-	-	-
Water Meter - Broken/Leaking	82	27	109	698	258	956
Water Miscellaneous	11	3	14	125	24	149
No Water	15	17	32	54	58	112
Low Water Pressure	8	3	11	60	11	71
Dirty Water / Cloudy Water	7	8	15	76	33	109
Water Odour/Taste/Smell	3	1	4	15	9	24
Public Amenities	8	1	9	102	14	116
Repair Park & Rec facilities - exclude public amenity	1	5	6	12	14	26
Water meter rewasher or leaky stopcock	9	1	10	169	27	196
Water Service Broken/Leaking	73	32	105	694	240	934
Water Service Replacement			-	1	-	1
Water Service - Subsidence in Ground			-	2	-	2
MRC Community Hall Repairs	5		5	12	-	12
Repair to MRC Pensioner Cottage	1		1	21	-	21
Alleged Breach of Water Restrictions		1	1	24	5	29
Water Leak	2		2	27	13	40
Drinking Fountains			-	18	1	19
WATER TOTAL	239	113	352	2,230	853	3,083
Statistics for Sewer						
Broken Manhole			-	8	-	8
Building Over Sewer Enquiries			-	-	-	-
Hit through sewer pipe / Breaks			-	5	-	5
Sewer Miscellaneous	7	2	9	32	7	39
Sewerage Overflows/Spillage	13	6	19	32	14	46
Public Toilets			-	8	4	12
Pump Station Faults			-	-	-	-
Sewerage Blockage	9	4	13	58	29	87
Sewerage Smell	6	1	7	19	7	26
Subsidence in Ground	3	-	3	19	-	19
Copies of Plans & Sewer Plans & Depths	115		115	937	1	938
SEWER TOTAL	153	13	166	1,118	62	1,180
GRAND TOTAL	392	126	518	3,348	915	4,263

1.11 **Human Resource Management**

The following key activities have occurred relevant to human resource management during the month.

- The directorate had a total of 23 vacancies
- The following positions were filled: 2 x Administration (Waste, Business Services), Business Services Administration Team Leader, Senior Infrastructure Planning Engineer)
- The following positions were vacated: Labourer, Trade Waste Inspectors Assistant
- The following safety hazard inspections were undertaken during the month and rectification action plans issued as identified

Inspections	Scheduled	Done	RAP issued
Water Treatment Plant Nebo Rd	March 2010	02.03.10	Yes
Waste Facilities	March 2010	08.03.10	Yes
Laboratory	Feb 2010	04.03.10	Yes
Finch Hatton Reservoir & Bore Site	No	01.02.10	Yes

- Safety cultural change was supported through the compilation of a database of all outstanding Rectification Action Plans pertaining to Hazard Inspections undertaken to date. The RAPs were color coded to depict High, Medium and Low Hazard status. All WH&S Reps were given the list of unclosed RAPs relevant to operational area. The action is to follow up with mangers and supervisors to record actual status, implement further action if required and obtain close-out dates.
- Incident Reports for the month of March

Incident Type	Qty
No Time Lost (NTL)	4
Medically Treated Injury (MTI)	0
Lost Time Injury (LTI)	1
Non Injury incident (NII) - Near miss	1
Public Incident	0

- Training Undertaken for the month of March (training numbers are unconfirmed due to limited information availability at the time of this report).
- Officers attended 7 courses for professional development training during the month (refer table below)

Training Course Name	Qty
MiSite Navigation	2
Finance 1	1
Pathway Customer Request	4
Applied Project Management	1
Hepatitis Training Package/ Resources	1

- Officers attended 26 courses for compulsory development training during the month (refer table below)

Training Course Name	Qty
CPR	3
Apply First Aid	1
Bedford Rd Induction	5
MRC Induction	17
Harassment / Discrimination	8
Fire/Building Warden	1
Load Restraint	3

1.12 **Statutory Reporting**

Monthly meeting held with DERM to discuss current issues and ongoing incidents e.g. Baker's Creek audit.

1.13 **Communication**

The following key activities have occurred in relation to communication and promotion of the water business for the month.

- Directorate promotion:
  - Updated MRC webpage with water usage statistics, water interruption notices, waste facilities fact sheet, trade waste information session details and inflow and infiltration inspection program information.
  - MWRP – applied for 2010 National Awards for Local Government under the 'Infrastructure Project' category.
- Communication plans:
  - Trade waste advertising was finalized in March with 108 ads aired on SeaFM and 32 ads screened on Channel 7.
  - Inflow and infiltration communication plan commenced with 10 print ads in the Daily Mercury, 2 in the Midweek, 2 in the Sarina Advertiser, 128 ads aired on SeaFM, 164 ads aired on Zinc, 52 ads screen on Win and 74 ads screened on Channel 7
  - Water conservation measures – a media release was made advising the region of the reduction to restriction levels in some areas, an article regarding water conservation was also submitted to In Focus. A five week water conservation reminder campaign has been drafted for May/June, and this will proceed if water consumption increases beyond acceptable levels at that time.
- Internal communication:
  - employee awards were promoted throughout the directorate with flyers and nomination forms distributed to all WWS employees; the intranet was updated with a list of the Workplace Health and Safety representatives; articles were submitted to Grapevine including an infrastructure update and a water saving tip; work has commenced on a WWS newsletter with the first edition due out in April.
- Education:

- There were no school visits or water education tours during the month.
- A draft water auditing program for schools has been developed and is under review.
- A proposal was put forward for the development of a corporate education trailer.

1.14 **Governance**

The following activities have occurred with regard to the improvement of quality systems for the month:

- Progress on capturing Standard Operating Procedures has temporarily been put on hold to avoid rework due to system change over to SafePlan.
- Meetings held with MRC Governance to ensure Water & Waste Services are in line with the Corporate approach/plan for Policy and Procedure preparation.
- Policy review progressing.
- Immunisation review and management plan progressing well. QSO and Human Resources Team Leader attended Hepatitis Training package and information sessions and obtained useful resources and contacts.
- The GE Money Building Emergency Response planning committee has identified a number queries and are liaising with various Council sections to address these prior to final drafting of the plan.

1.15 **Scientific and Analytical Services (SAS)**

New Monitoring Projects and Highlights

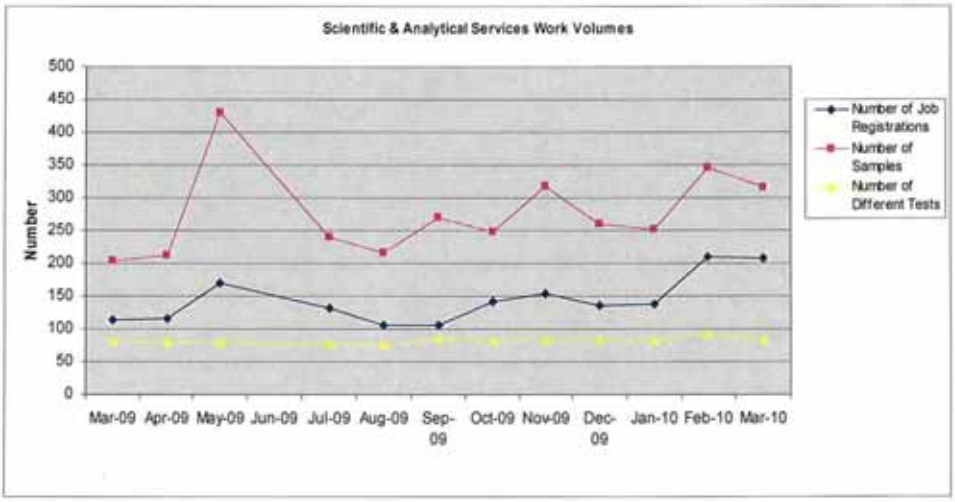
March was again a big month in terms of work volumes, and of the biggest on record, second only to February 2010. Much of the work has had to do with increased monitoring from the Cyclone, and from the MSWRF which is discharging effluent into Bakers Creek. March's work volume is approximately double to the volume experienced in March 2009.

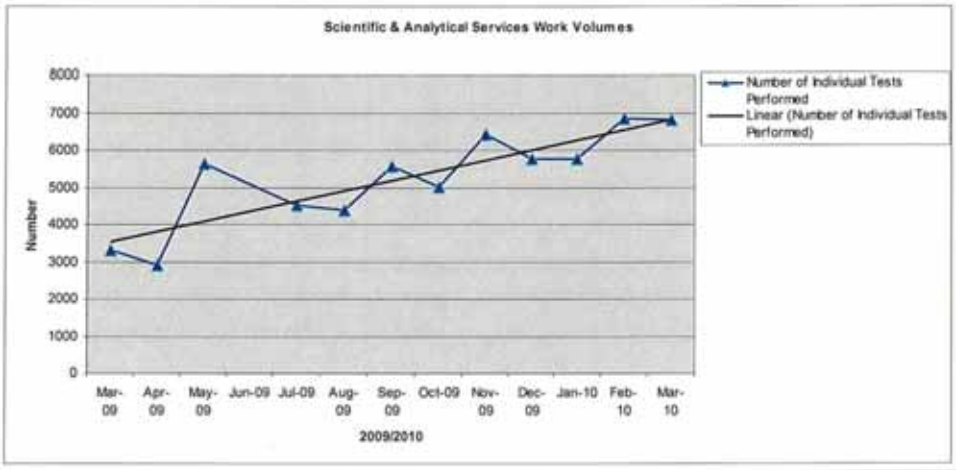
The table below lists the performance of the SAS Laboratory for March 2010

	March 2010	**12 Months**
Number of Registrations	208	1826
Number of Samples	317	3477
Number of Test Types	84	126
Number of Individual Tests Performed	6815	63977
Number of Clients	21	42

Breakdown of Registrations	
Water and Waste Services (excl. Trade Waste)	116 (55.7%)
Other Council Departments (Incl Trade Waste, Strategic Planning, and Aquatic Facilities)	80(38.5%)
External Clients	12 (5.8%)

The following graph details the number of tests performed by the laboratory is detailed in the table below.





Cyclone Ului

Due to Cyclone Ului, there was some water infrastructure damaged. The most prevalent, was the loss of the roof at the Green Street Reservoir. SAS had to manage this potential water quality incident, by advising on additional chlorine dosing, and has been constantly monitoring the water quality until the roof can be replaced. The results of the monitoring are being distributed to Queensland Health.

NATA Accreditation

SAS has finalised and submitted the documentation for NATA accreditation. The final site assessment is still yet to be confirmed by both NATA and SAS. It is expected that this will occur in the next four to six weeks.

2 PLANNING AND SUSTAINABILITY – February 2010

Resourcing

Eric Moss has accepted the position of Senior Infrastructure Engineer and commences on 16th March. Eric will be moving across from New Zealand where has had extensive experience in the water industry.

Activity No.	Project / Activity	Status	Critical Issues
1.	**Strategic Asset Management**		
1.1	Capture of Asset data	Sewer The capture of the sewer data has been completed and the target date of the end of February was meet. This achievement is acknowledged as a major input of time and commitment by the staff involved. Water Work has commenced on the capturing of water data. The team has transferred direction now to water assets. Ongoing liaison with Councils Asset Management team continuing.	Completion of the water data capture is critical for informed decisions to be made regarding the asset and meeting long term business drivers.
1.2	Inflow and Infiltration Strategy for entire MRC Region	Council has endorsed the approved inspection program with a start date of March 15th. The first two areas targeted are Sarina and East Mackay.	Ensuring that the findings of the inspection are followed up and consistently dealt with.
1.3	System Leakage Management Plan	LGIS (local government Infrastructure services) has	

		produced a Preliminary Project Plan as a result of the Management Plan to move the project forward. This is currently being reviewed.	
1.4	Water Supply Disinfection for Mackay City	Investigation being undertaken to ensure the effectiveness of the chlorination disinfection system.	There has been no developments on this project as the focus has been on other key projects

Activity No.	Project / Activity	Status	Critical Issues
2.	**Strategic Infrastructure Planning**		
2.1	Mackay Water Supply Hydraulic Model for Mackay City	There has been discussion on building a trunk (high level) model of water system prior to the data being fully captured. This would allow better decision making with high level knowledge of the system.	Ensuring minimum data requirements are met to produce a valuable model.
2.2	Sewerage Hydraulic Model for Mackay City	The data collection has been completed with some cleansing being undertaken. The data will then be sent to Brisbane for the model to be built.	Calibration of the model will be required before use of the model.
2.3	Sewerage Strategy Report for Mackay City	The sewerage strategy has been finalized and signed by APMT. However there are three options with no clear winner at present. So further work will be undertaken to determine likely preferred path before presenting to Council.	There are three main options recommended out of this paper. In order to determine which one is the preferred path further work is required in order to determine the right direction. This work has commenced and will be feed back to council through the briefing process.
2.4	Regional Water Supply Report	Reviewing report prepared for way forward on Regional Water schemes. Current focus is Eton,	Planning team to ensure short term strategy is consistent with long term

		Bloomsbury & Finch Hatton supply due to operational issues highlighted. Short term fix options currently being considered by Operations.	options being considered.
2.5	Demand Management Discussion Paper	Internal briefing document prepared & implementation strategy to be determined.	

Activity No.	Project / Activity	Status	Critical Issues
2.6	Sarina Sewerage Treatment Plant Planning Report	Site selection report is being finalised and Delivery team is being developed. Council briefing on site selection and deliverables to occur in April.	Determining legislative process (eg EIS requirements) to understand likely timing of delivery for project.
2.7	Water Supply Planning Report for Mirani and Marian	The planning report key recommendations was presented to Council (Feb) in a briefing, with general agreement with outcomes. In moving forward a draft work packaged definition statement (WPDS) has been finalized for the augmentation work. This will need to be reviewed.	The augmentation of the existing network to address pressure issues.
2.8	Sewerage Planning Report for Mirani and Marian – upgrade of Mirani WWTP	Outstanding issues to be resolved for the planning report to be finalized. Internal meeting to discuss design capacity issues paper circulated. A briefing on re-use (golf course) component has been prepared for delivery to council in March.	Loss of time for resolution of planning report. Need to await outcome of design capacity paper to feed into planning report.

Activity No.	Project / Activity	Status	Critical Issues
2.9	10 Year Capital Plan	The capital plan has been	Allocation of funding for

		reviewed and been a focus for inputs to 10/11 budget process. 10 and 20 Year Capital Works Programs are currently being finalised in conjunction with Infrastructure Delivery and Operations.	the coming 10/11 capital plan.
2.10	Eungella Integrated Water Management Analysis	This paper has been completed and circulated for review. Council briefing will be prepared in the coming months with	Placing the outcomes for Eungella in a regional context for integrated management.
3. Detailed Infrastructure Planning			
3.1	Implementation of planning activities associated with 1 Year Capital Plan	As per item 2.9 above.	
3.2	MWRP – Water Balance Model	The water balance model work has been pushed out due to delays in gathering required data for resources in Brisbane. A separate, subsequent stage of the project will involve the formulation of System Management Procedures.	Timing on the water balance model being completed. Need to ensure timely outputs to feed back to DERM on Mackay South.
Activity No.	**Project / Activity**	**Status**	**Critical Issues**
4. Development Assessment			
4.1	Development Approvals - Planning	Ongoing input into development approvals and operational works reports as required.	
4.2	Development Approvals - Compliance	Working with Development Services – Engineering team to issues associated with compliance and inspection.	
Policy & Standards			
4.1	Review of Water Services engineering	Review of engineering construction and design	This is still progressing with an update due by the

	guidelines, planning policies and standard drawings	guidelines, ITP's and standard drawings in conjunction with Development Assessment – Engineering team resources (external consultant).	end of the March.

PLANNING AND SUSTAINABILITY - March 2010

Resourcing

Activity No.	Project / Activity	Status	Critical Issues
5.	**Strategic Asset Management**		
1.1	Capture of Asset data	Sewer Completed Water Capturing of water data has progressed well with a high commitment from the team.	
1.2	Inflow and Infiltration Strategy for entire MRC Region	Inspection program commenced in March with 675 properties being included – of which 53 properties have been identified with I & I problems. Defect letters are being complied and will be sent out shortly.	Ensuring that the findings of the inspection are followed up and consistently dealt with.
1.3	System Leakage Management Plan	LGIS (local government Infrastructure services) has produced a Preliminary Project Plan as a result of the Management Plan to move the project forward. This is currently being reviewed.	There has been no progression with project due to other commitments.
1.4	Water Supply Disinfection for Mackay City	Investigation being undertaken to ensure the effectiveness of the chlorination disinfection system.	There has been no developments on this project as the focus has been on other key projects

Activity No.	Project / Activity	Status	Critical Issues

6.	**Strategic Infrastructure Planning**		
2.1	Mackay Water Supply Hydraulic Model for Mackay City	There has been discussion on building a trunk (high level) model of water system prior to the data being fully captured. This would allow better decision making with high level knowledge of the system.	Ensuring minimum data requirements are meet to produce a valuable model. This option is still being discussed.
2.2	Sewerage Hydraulic Model for Mackay City	The data collection has been completed with some cleansing being undertaken. The data has yet to be sent to Brisbane as there is work required to be completed within GIS.	Calibration of the model will be required before use of the model. Dependant on resources and timing within GIS.
2.3	Sewerage Strategy Report for Mackay City	The sewerage strategy has been finalized and signed by APMT. However there are three options with no clear winner at present. So further work will be undertaken to determine likely preferred path before presenting to Council. Ongoing	
2.4	Regional Water Supply Report	Reviewing report prepared for way forward on Regional Water schemes. Current focus is Eton, Bloomsbury & Finch Hatton supply due to operational issues highlighted. Short term fix options currently being considered by Operations.	Planning team to ensure short term strategy is consistent with long term options being considered.
2.5	Demand Management Discussion Paper	Internal briefing document prepared & implementation strategy to be determined.	

Activity No.	Project / Activity	Status	Critical Issues
2.6	Sarina Sewerage Treatment Plant Planning Report	Site selection report is being finalised and Delivery team is being developed. Council briefing on site selection and deliverables to occur end of April/early May.	Update of population growth forecasts for Sarina have indicated increase EP, so thought is being given to how best manage the project and this will be included in briefing to Council.

2.7	Water Supply Planning Report for Mirani and Marian	The planning report key recommendations was presented to Council (Feb) in a briefing, with general agreement with outcomes.	The augmentation of the existing network to address pressure issues.
2.8	Sewerage Planning Report for Mirani and Marian – upgrade of Mirani WWTP	Outstanding issues to be resolved for the planning report to be finalized. Recruitment for Project Manager for this project has commenced. The briefing on the golf course – water reuse issues was completed with further negotiations occurring with the golf course in order to finalize contractual arrangements.	The design capacity discussion paper has been resolved with direction forward. Resources

Activity No.	Project / Activity	Status	Critical Issues
2.9	10 Year Capital Plan	The capital plan has been reviewed and been a focus for inputs to 10/11 budget process. 10 and 20 Year Capital Works Programs are currently being finalised in conjunction with Infrastructure Delivery and Operations. Ongoing	Allocation and review of priority projects for the coming 10/11 capital plan.
2.10	Eungella Integrated Water Management Analysis	This paper has been completed and circulated for review. Council briefing will be prepared in the coming months with	Placing the outcomes for Eungella in a regional context for integrated management.

7. Detailed Infrastructure Planning

3.1	Implementation of planning activities associated with 1 Year Capital Plan	As per item 2.9 above.	
3.2	MWRP –Water Balance Model	The modeling work has been undertaken with clarification required on some issues. A separate, subsequent stage of the	Timing on the water balance model being completed. Need to ensure timely outputs to feed back to DERM on Mackay

		project will involve the formulation of System Management Procedures.	South.

Activity No.	Project / Activity	Status	Critical Issues
8. Development Assessment			
4.1	Development Approvals - Planning	Ongoing input into development approvals and operational works reports as required.	
4.2	Development Approvals - Compliance	Working with Development Services – Engineering team to issues associated with compliance and inspection.	
Policy & Standards			
4.1	Review of Water Services engineering guidelines, planning policies and standard drawings	Review of engineering construction and design guidelines, ITP's and standard drawings in conjunction with Development Assessment – Engineering team resources (external consultant).	Some delays with finalizing the review.

3 INFRASTRUCTURE DELIVERY – February 2010

Summary of Water Services Current Capital Program

The following table summarises key projects in the Water Infrastructure Delivery budget for 2009 / 2010.

Water Projects

Legend	
On track	
Of concern	
Not on track	

Project	Status	Budget	Time	Comments
Nebo Rd WTP Upgrade	Detailed Design / Construction			Delays with HLPS scope change and P&ID drawings impacting on finalising work packages
Critical Issues	• Finalisation of HLPS scope design and P&IDs Resolution of the HLPS scope change is critical to the awarding of the electrical package of work. Delays in processing the scope change will impact on the			

Project	Status	Budget	Time	Comments
	overall program. Tender packages are not meeting the schedule which puts pressure on the overall program. Project Manager will be reporting regularly to APMT with regards to schedule issues to provide focus and necessary resources to mitigate project slippages. Workshop being conducted to resolve P&ID drawings to enable finalization of work packages.			
Nebo Rd Fluoridisation	Detailed Design / Construction			Permanent Plant commissioned in February
Critical Issues	• Finalisation of contractor claims to submit progressive subsidy claims. Third subsidy claim being submitted, two payments received to date.			
Dumbleton Raw Water Trunk Main and Pump Station	Planning			Workshop held in February prioritising identified scope items for implementation.
Critical Issues	• Interfacing works at WTP with the Nebo Rd Plant Upgrade works • Reliability of supply during plant peak demands. • Operational reliability of pump station. Priority of works needs to align with operational security of the plant, and capital budget funding.			
Sarina Water Supply Main	Construction			Works progressing. Over 40 days of wet weather on this project since November
Critical Issues	• Weather Project delivery unchanged with the rain delays that were experienced in February. Directional boring is behind schedule but this is not affecting the overall schedule.			
Mirani WTP	Planning			Briefing presented to Council.
Critical Issues:	• Acceptance of planning report. • Land acquisitions. • Short term water supply / allocation. Augmentation requirements at Mirani and Marian to be progressed, while sit location of plant is subject to a cost benefit study.			
South Mackay Trunk Main	Concept Design / TOC			Stage II – Mackay to Sarina pipeline
Critical Issues	• Integration with New Depot works program – wet weather delays • Procurement of pipe for full project Pipe has been procured for installation works prior to the road upgrades that are being implemented along the pipe route. Early funding request is required for the installation works around the new Depot to be completed prior to the road program.			
Middle Creek Dam Access Stairs	Construction			Stairs due early March. Weather delays
Critical Issues	• Wet Weather • Safe work environment. Site works awaiting delivery of stairs. Contractor behind schedule. Impacts to the site from the wet weather continue from December.			

Project	Status	Budget	Time	Comments
Shakespeare St	Concept Design / TOC			Works prioritised to align with road program
Critical Issues	• Installation prior to road works program in street. MRC construction crew to undertake these works due to the level of interaction with customers required in this street, with MIA design and management. Procurement of pipe to be undertaken to ensure supply and readiness to commence work on receipt of design			

Waste Water Projects

Project	Status	Budget	Time	Comments
Sarina Waste Water Treatment Plant	Planning			Planning meeting progressing with delivery team
Critical Issues	• Land issues • E.I.S and overall project timeframe. Project team for the planning team is being led by Zemek Environmental with support from the MIA.			
Mirani WWTP	Detailed Design / Construction			Outstanding issues to be resolved for the planning report to be finalised.
Critical Issues	• Strategy for upgrade work. Addressing quality issues with strategic planning report for presentation to Council for upgrade works.			
Schmidtkes Rd Pump Station	Procurement / Construction			Site works progressing.
Critical Issues	• Weather. Project delays due to weather. Working with Development Services to ensure SPS is available ahead of the requirements of the Developer.			
Sarina Effluent Rising Main	Construction			Construction package awarded.
Critical Issues	Works to commence in March.			
Sarina SPS 3,4,5,6 & 8	Design and construction			Packages out to Tender.
Critical Issues	• Resource availability to deliver all pumping stations in financial year Review with potential tenderers.			
Pumping Stations – Beaconsfield, Coles Rd & Gordon St	Construction			Electrical on critical path. Cut-over works delayed by wet weather
Critical Issues	• Wet Weather • Delivery of electrical switchboards Reviewing with electrical supplier. Progressing cut-over works as weather permits.			

INFRASTRUCTURE DELIVERY - March 2010

Summary of Water Services Current Capital Program

The following table summarises key projects in the Water Infrastructure Delivery budget for 2009 / 2010.

Water Projects

Legend	
On track	
Of concern	
Not on track	

Project	Status	Budget	Time	Comments
Nebo Rd WTP Upgrade	Detailed Design / Construction			Delays with HLPS scope change and P&ID drawings impacting on finalising work packages
Critical Issues	• Finalisation of HLPS scope design and P&IDs Small electrical package has been award to progress site works not impacted by HLPS to minimize program delays. Project Manager is reporting regularly to APMT and ALG with regards to schedule issues to provide focus and necessary resources to mitigate project slippages. Workshop conducted to resolve P&ID drawings to enable finalization of work packages.			
Nebo Rd Fluoridisation	Detailed Design / Construction			Permanent Plant commissioned in February
Critical Issues	• Finalisation of contractor claims to submit progressive subsidy claims. Third subsidy claim submitted, two payments received to date. Final claim is pending.			
Dumbleton Raw Water Trunk Main and Pump Station	Planning			Tendering relining works and progressing intake design
Critical Issues	• Interfacing works at WTP with the Nebo Rd Plant Upgrade works • Reliability of supply during plant peak demands. • Operational reliability of pump station. Priority of works has been aligned with operational security of the plant, and capital budget funding.			
Sarina Water Supply Main	Construction			Works progressing. Over 40 days of wet weather on this project since November
Critical Issues	• Weather Project delivery has moved out by a month with an anticipated completion of end of August 2010 dueto the rain delays that were experienced since December. Directional boring is behind schedule but this is not affecting the overall schedule.			
Mirani WTP	Planning			Recruiting in progress for project manager.

Project	Status	Budget	Time	Comments
Critical Issues:	• Resource to manage project • Acceptance of planning report. • Land acquisitions. • Short term water supply / allocation. Augmentation requirements at Mirani and Marian to be progressed, while sit location of plant is subject to a cost benefit study.			
South Mackay Trunk Main	Concept Design / TOC			Stage II – Mackay to Sarina pipeline
Critical Issues	• Integration with New Depot works program – wet weather delays • Procurement of pipe for full project Works have been progressed at the new Paget Depot site, ahead of roadworks. Slight delays due to wet weather. Pipe and construction packages are being tendered to finalise project budgets.			
Middle Creek Dam Access Stairs	Construction			Stairs fabricated. Weather delays
Critical Issues	• Wet Weather • Safe work environment. Stairs have been fabricated and available for installation. Contractor behind schedule. Impacts to the site from the wet weather continue from December.			
Shakespeare St	Concept Design / TOC			Works prioritised to align with road program
Critical Issues	• Installation prior to road works program in street. MRC construction crew to undertake these works due to the level of interaction with customers required in this street, with MIA design and management. Procurement of pipe to be undertaken to ensure supply and readiness to commence work on receipt of design			

Waste Water Projects

Project	Status	Budget	Time	Comments
Sarina Waste Water Treatment Plant	Planning			Planning meeting progressing with delivery team
Critical Issues	• Land issues • E.I.S and overall project timeframe. Project team for the planning team is being led by Zemek Environmental with support from the MIA.			
Mirani WWTP	Detailed Design / Construction			Recruiting in progress for project manager.
Critical Issues	• Strategy for upgrade work. Addressing quality issues with strategic planning report for presentation to Council for upgrade works.			
Schmidtkes Rd Pump Station	Procurement / Construction			Site works progressing.
Critical Issues	• Weather. Project delays due to weather. Working with Development Services to ensure SPS is available ahead of the requirements of the Developer.			
Sarina Effluent Rising Main	Construction			Construction package awarded.
Critical Issues	Works to commence in April, delayed due to wet weather			
Sarina SPS 3,4,5,6 & 8	Design and construction			Packages out to Tender.
Critical Issues	• Resource availability to deliver all pumping stations in financial year Review with potential tenderers.			
Pumping Stations – Beaconsfield, Coles Rd & Gordon St	Construction			Electrical on critical path. Cut-over works delayed by wet weather
Critical Issues	• Wet Weather • Delivery of electrical switchboards Reviewing with electrical supplier. Progressing cut-over works as weather permits. Project delays have completion now well past original program completion date.			

4 OPERATIONS – February 2010

4.1 Water Treatment System Performance

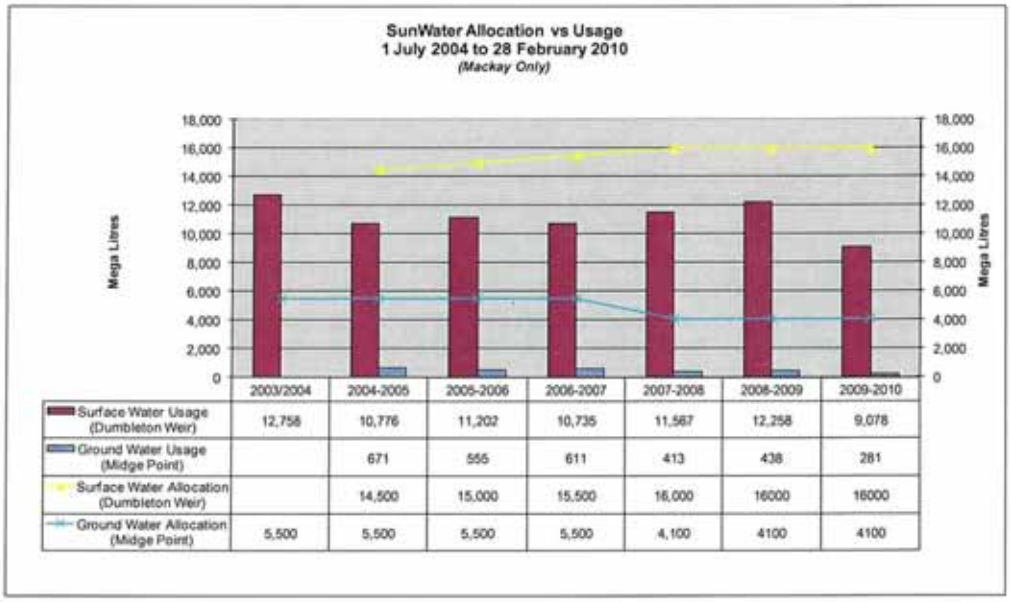
This report covers the month of February. The main focus for water treatment remained the capital works at Nebo Rd WTP. The Fluoride dosing plant is in the commissioning phase and is proceeding with minor adjustments and enhancements being implemented. Potholing has been done in conjunction with geotech drilling to identify existing services in the location of the proposed River Water Dosing Tank.

Dam levels in the region remain high as summarised below, with recent rain completely replenishing the Dumbleton and Mirani bulk water supplies. The rainfall has also coincided with a marked downturn of customer demand.

Water Storage Levels

AS AT 28 FEBRUARY 2010		
Weir / Dam	Volume / ML	%age
Mirani	4260	91
Marian	3985	100
Dumbleton	8373	94
Middle Creek	1486	100

A summary of the water use against SunWater allocations is detailed in the figure below.



	2003/2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010
Surface Water Usage (Dumbleton Weir)	12,758	10,776	11,202	10,735	11,567	12,258	9,078
Ground Water Usage (Midge Point)		671	555	611	413	438	281
Surface Water Allocation (Dumbleton Weir)		14,500	15,000	15,500	16,000	16000	16000
Ground Water Allocation (Midge Point)	5,500	5,500	5,500	5,500	4,100	4100	4100

4.1.1 Mackay (Nebo Rd) Water Supply Summary

Water consumption in February decreased with the average consumption being 29 ML/d in the month.

Annual consumption is still on forecast at around 13,000 ML, within the available Sunwater allocation of 16,000 ML. Ground water (bore) usage was 54 ML.

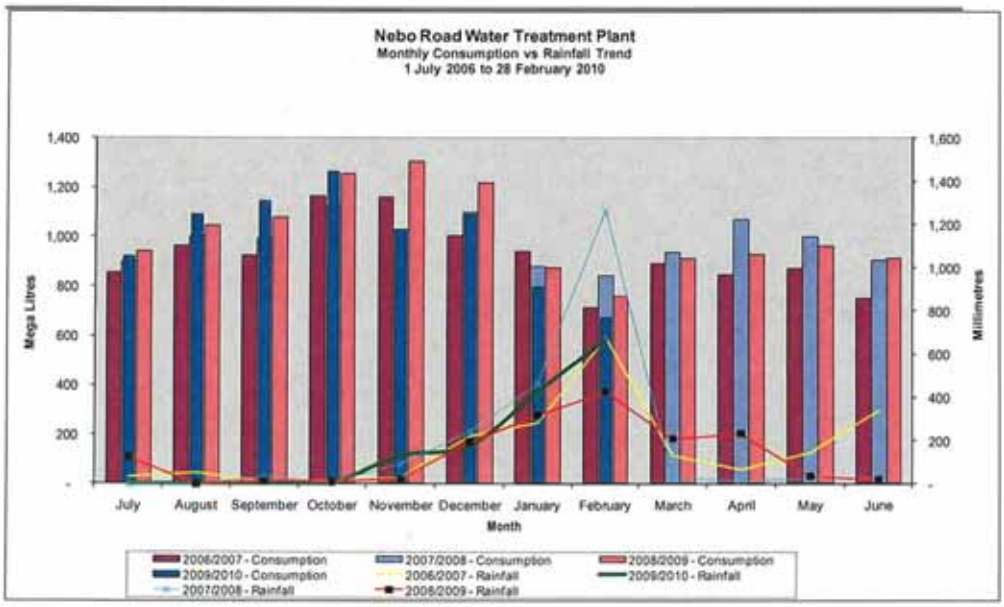
Water Source Performance Summary

	Allocation (ML/year)	February Consumption (ML)	January Consumption (ML)	Year to Date Consumption (ML)
Dumbleton Weir	16000	818	948	9359
Mackay Bores	5500	54	10	128

Water Consumption Performance Summary

	February	January	December
Monthly Water Consumption (ML)	768	913	1248
Average Daily Water Consumption (ML)	27	29	40
Maximum Daily Water Consumption (ML)	34	35	49
Rainfall	586	376	155

Consumption trends have dipped well below the levels experienced last year with the arrival of the increased rainfall. Maximum day demands reached 34 ML/d in February compared to 35 ML/d in January and 49ML in December.



4.1.2 Sarina and Beaches Water Supply Summary

A summary of the water supplied to Sarina and the surrounding communities is detailed below.

Water Source Performance Summary

	Allocation (ML/year)	February Consumption (ML)	January Consumption (ML)	Year to Date Consumption (ML)
Mt Blarney WTP (Plane Creek)	N/A	18.2	22.4	255.90
Sarina Bores	200	28.13	18.1	131.13
Marwood Bores	350	29.39	33.5	259.69
Bally Keel Bore	150	68.62	7.7	112.62
Armstrong Beach Bore		18.96	2.2	45.26

4.1.3 Pioneer Valley Water Supply Summary

Demand has reduced in all areas to a more reasonable level for this time of year; the high level of demand seems to have been tempered by the increase in water restrictions and the advertising campaign.

Water Source Performance Summary

	Allocation (ML/year)	February Consumption (ML)	January Consumption (ML)	Year to Date Consumption (ML)
Mirani Bore	100	6.30	7.58	88.51
Marian Bore	95	12.08	13.60	173.23
Pinnacle / Garget	60	1.63	1.64	22.14
Finch Hatton	46	2.50	2.31	31.32

Water Consumption Performance Summary

	February	January	December
Monthly Water Consumption (ML)	22.51	25.13	41.63
Average Daily Water Consumption (ML)	0.80	.81	1.34
Rainfall	129	453.25	234

4.1.4 Remote Water Treatment Sites Performance

A summary of the water supplied to the remote sites is detailed below.

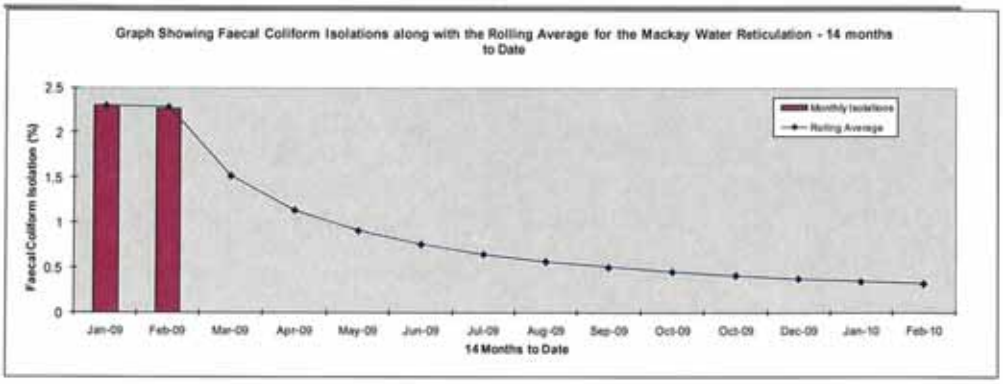
Water Source Performance Summary

	February Consumption (ML)	January Consumption (ML)	Year to Date Consumption (ML)
Eton	2.31	2.87	36.6
Calen	2.73	3.21	28.86
Bloomsbury	0.59	0.59	7.73
Midge Point	18.09	48.53	314.89
Koumala	1.03	1.3	9.107

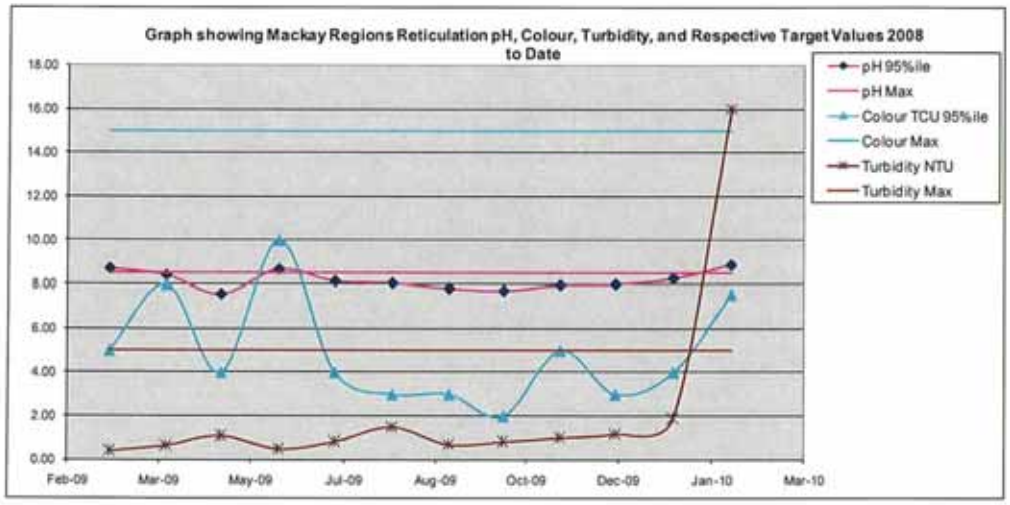
4.2 Water Quality

There were no faecal coliform isolations detected in the Region in January to February despite the elevated temperatures and high rainfall, which is shown in the attached graph. This equates to a 14 month rolling average of 99.67% compliance, which is still higher than the customer service level target of 98%. A summary of the water quality performance data for the region is detailed in the following graphs.

Coliform Isolation Results

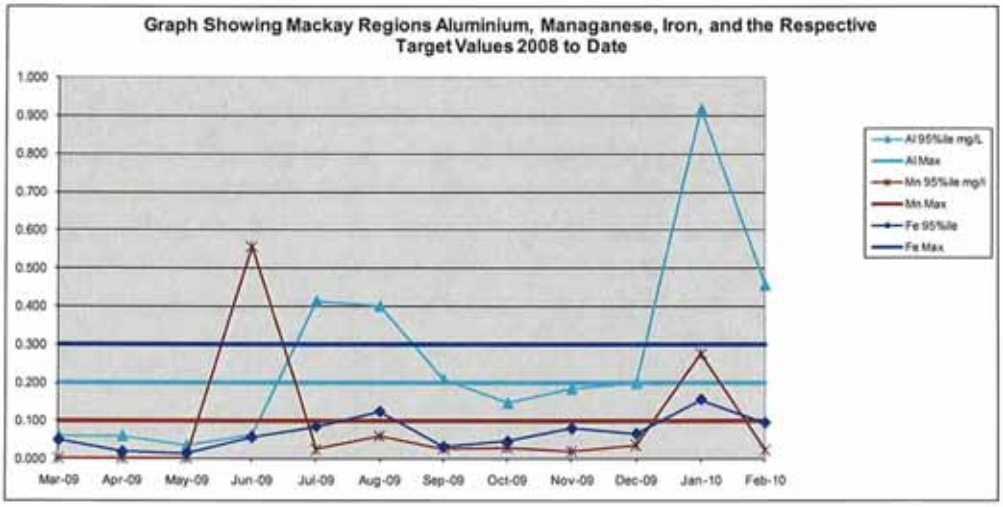


Reticulation pH, Colour, Turbidity



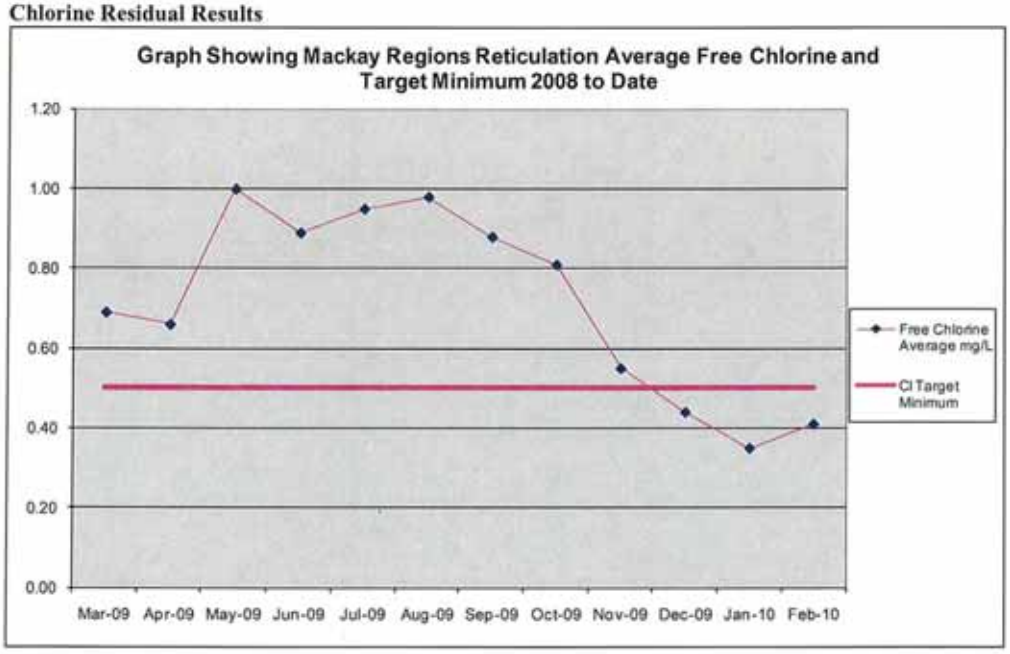
Physical chemical parameters have exceeded the aesthetic guideline for Turbidity in the Mackay distribution system even though the results at Nebo Road WTP were well below the guideline values. It is suspected that the results were due to post plant flocculation.

Aluminium, Manganese, Iron



Physical chemical parameters have exceeded the aesthetic guideline for Aluminium in Sarina and Manganese in Bloomsbury. With these results the 12 month rolling compliance average is 99.1% which is still above the target of 98%.

Chlorine Residual Results



Chlorine residual has dipped below the target value of 0.5mg/l due to elevated temperatures and reduced

demand. This increases the reservoir retention time of the water and allows the chlorine residual to dissipate.

4.3 Wastewater Treatment System Performance

The significant events for the wastewater system are as follows:

- Works on the buffer tank at Mirani WWTP are complete apart from some modification to enable greater control of the flow rate. The modification will be a Variable Speed Drive for the transfer pump.
- Heavy rainfall at the end of January has led to a number of uncontrolled discharges in Sarina, Mirani and Baker's Creek
- Storage at Baker's Creek has reached 60%.

4.3.1 Mackay North Water Recycling Facility and Catchment

In January, the plant received a total of 93.83 ML of influent this month equating to an average flow of 3.03 ML/d. The maximum flow for the month 6.68 ML. Total rainfall for the month was 364.2mm.

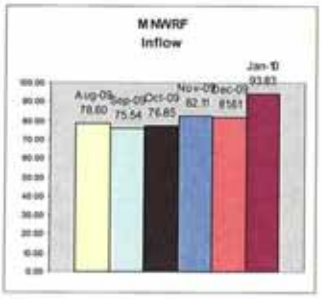
MNWRF Performance Summary

MONTHLY LICENCE READINGS - MNWRF								
Date	Effluent pH (mg/l)	Effluent DO (mg/l)	Effluent BOD(mg/l)	Effluent COD(mg/l)	Effluent Suspended Solids (mg/l)	Effluent TN (mg/l)	Effluent TP (mg/l)	Effluent Faecal Coliforms cfu/100 ml
Limits	Range 6-8.5	Min 2 mg/L	Max 20mg/L	Refer BOD	Max 30mg/L	Max 15mg/L	Max 3mg/L	50%ile 150 90%ile 1000 Max 4000
9-Jan-10	6.7	3.5	<5	27	11	8.2	2.2	<1
17-Jan-10	7.2	2.2	<5	18	15	1.3	0.2	<1
25-Jan-10	7.7	11.9	<5	38	5	7.4	0.1	2
Limits Contract						Average < 5 mg/L	Average < 1 mg/L	
Ave of all results in month						6.1	0.8	

Summary of Discharges from System

Parameter	January	Year to Date
Total Wastewater Treated	93.83	568.51
Effluent Released at Outfall (ML)	89.47	514.28
Effluent Reused (ML)	N/A	N/A
% Effluent Reused	N/A	N/A
Target / Licensed Effluent to be Reused (%)	N/A	N/A
Effluent Storage (% remaining)	N/A	N/A
Tonnes of Biosolids Removed From Site	144	870
% Biosolids Beneficially Reused	100	100
No. of Pump Station Overflows	0	0
Estimated Volume of Overflow release	0	0

A summary of the flows over the previous six months treated by MNWRF is shown below.



4.3.2 Mackay South Water Recycling Facility and Catchment

In January, The plant received a total of 527.52 ML of influent this month equating to an average flow of 17.02 ML/d. The maximum flow for the month 46.13 ML. Total Potential Reuse 548.77 ML. Flow to Bakers Creek 58.72 ML. Total rainfall for the month was 542.4 mm.

MSWRF Performance Summary

MONTHLY LICENCE READINGS - MSWRF									
Date	Effluent pH (mg/l)	Effluent BOD (mg/l)	Effluent COD(mg/l)	Effluent TSS (mg/l)	Effluent TN(mg/l)	Effluent TP(mg/l)	Effluent Faecal Coliforms	Turbidity	Disinfection Chlorination
Limits	6.0 to 8.5	Max 20	Refer BOD	Max 30	50%ile 10 Max 30mg/L	50%ile 8 Max 15mg/L	50%ile 1000 Max 4000	Max 15mg/L	Max 3mg/L
9-Jan-10	6.8	10	26	16	7.9	2.9	<1	0.9	6.3
17-Jan-10	6.9	5	23	20	9.7	2.3	43	0.3	0.20
25-Jan-10	6.8	<5	30	2	9.3	2.3	<1	1.4	0.20
Limits Contract	6.0 to 8.5				Average <10.0 mg/L	Average < 8.0 mg/L	Average < 150 mg/L	95th %ile <2 NTU	> 1.0mg/L FCR
Ave of all results in month	6.85				9.0	2.5	15	0.60	3.25

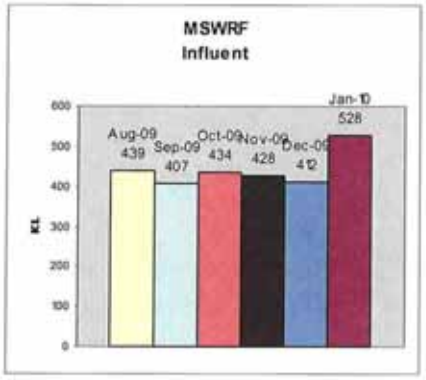
Mackay South plant is running well and has shown no licence non-compliance events this month, although algae ids becoming an issue in the filter feed pump station and the filters.

In January 100% of the effluent produced was discharged to the recycled water storage dams for future use for cane irrigation.

Summary of Discharges from System

Parameter	January	Year to Date
Total Wastewater Treated	527.52	3116.77
Effluent Released at Outfall (ML)	0	1938
Effluent Reused (ML)	471.90	936.9
% Effluent Reused (target 88%)	100	N/A
Effluent Storage (% remaining RWS2)		N/A
Effluent Storage (% remaining RWS3)	56	N/A
Tonnes of Biosolids Removed From Site	317	3367
% Biosolids Beneficially Reused	100	100
No. of Pump Station Overflows	0	0
Estimated Volume of Overflow release	0	0

A summary of the flows over the previous six months treated by MSWRF is shown below.



4.3.3 Sarina Wastewater Treatment Plant

The plant received a total of 121.23 of influent this month equating to an average flow of 4.32 ML/d. The maximum flow for the month was 7.88ML/d. Total rainfall for the month was 808 mm.

Sarina WWTP Performance Summary

MONTHLY LICENCE READINGS - SARINA					
Date	Effluent BOD(mg/l)	Effluent Suspended Solids (mg/l)	Effluent Faecal Coliforms cfu/100 ml	Effluent TN (mg/l)	Effluent TP (mg/l)
Limits	Max 30	Max 45	Max 4000	Max	Max 5mg/L
3-Feb-10	5	6	<1	8.9	3.1

Summary of Discharges from System

Parameter	February	January	Year to Date
Total Wastewater Treated	121.22	70.13	244.35
Average Daily Flow	43.29	2.26	-
Effluent Released at Outfall (ML)	105.24	6*	29
Effluent Reused (ML)	1895	64.13	180.6
% Effluent Reused	85%	91.4%	73.9%
Target / Licensed Effluent to be Reused (%)	N/A	N/A	N/A
Effluent in Storage (%)	N/A	N/A	N/A
Tonnes of Biosolids Removed From Site (m3)	0	0	112
% Biosolids Beneficially Reused	0	100	100
No. of Pump Station Overflows	2	2	2
Estimated Volume of Overflow release	**	**	**

*Figures for Total Flow Leaving Plant, & Discharge at Smythes Crossing were unavailable for January as the flow-meter was u/s. It has been repaired as of 2 February 2010.
** There were two pump station overflows in February; both at number 1 pump station due to wet weather events. These have been reported to the EPA.

4.3.4 Mirani/Marian Wastewater Treatment Plant

The plant received a total of 31.13ML of influent this month equating to an average flow of 1.11 ML/d. The maximum flow for the month was 2.32ML/d. Total rainfall for the month was 688 mm.

Mirani WWTP Performance Summary

MONTHLY LICENCE READINGS - MIRANI								
Date	Effluent pH (mg/l)	Effluent DO (mg/l)	Effluent BOD(mg/l)	Effluent Suspended Solids (mg/l)	Effluent TN (mg/l)	Effluent TP (mg/l)	Effluent Faecal Coliforms cfu/100 ml	Ammonia
Limits to water storage	6.5-8.5	N/A	Max 20mg/L	Max 30mg/L	N/A	N/A	Max 4000	N/A
Limits to water way	6.5-8.5	Min 2 mg/L	Max 15mg/L	Max 20mg/L	Max 20mg/L	Max 5mg/L	Max 600	Max 2
3-Feb-10	7.6	3.8	25	22	42.6	17.9	>100000	34.3

Mirani discharge all effluent to the recycled water storage. The local cane farmers are not using effluent from the dam for irrigation. Whilst discharging to reuse the licence limits are BOD (20 mg/L), Suspended Solids (30 mg/L) and E-Coli (1000 cfu/100ml).

Summary of Discharges from System

Parameter	February
Total Wastewater Treated	21.12
Average Daily Flow	1.11
Effluent Released at Outfall (ML)	0
Effluent Reused (ML)	0
% Effluent Reused	0
Target / Licensed Effluent to be Reused (%)	100
Effluent in Storage (%)	67
Tonnes of Biosolids Removed From Site (m3)	0
% Biosolids Beneficially Reused	0
No. of Pump Station Overflows	0
Estimated Volume of Overflow release	0

4.3.5 Effluent Recycling

Recycled Water usage in February has been nil.

Continual wet weather has resulted in no irrigation requirements at all.

The Pump Station at RWS 3 is still switched off.

Storage levels at RWS 3 are at 90 % and at RWS 2 close to 98 %.

4.4 Networks Reticulation System

4.4.1 Significant Issues

- The Mackay Water Maintenance crews have been focussing on infiltration on manholes in the Paget area (Boundary Road, Cuttersfield, Paget and Crichtons Road PS catchment) during the wet period in an effort to minimise pumping hours in this part of the network.
- The 450mm water main across the new Forgan Bridge has been interconnected into the network as far as Palm Street Cremorne this will allow the decommissioning of the 450mm main from the Kooyong Hotel to Cremorne Street, to allow bridge works to proceed on Barnes Creek.
- The meter replacement programme has been rolled out prior to the water meter read which starts in March.
- Under bridge inspections were carried out on the new Forgan Bridge – new sewer and water mains to ensure all assets were installed to MRC standards.

- Mackay Water Services is working extensively with OH&S and council's works construction team in an effort to prevent essential infrastructure being damaged and buried by construction works undertaking in this area.

- A water meter replacement programme has been undertaken in Koumala township by the southern network team.

4.4.2Civil Water Maintenance

- Inspections have been carried out on the Mt Pleasant Reservoir Nos 1 & 2, and the drains have been cleared. This problem is caused by an ongoing deterioration of paint which was installed 2 years ago.

- A small fig tree was found to be growing through the wall of the reservoir no 1 with an extensive root ball inside the reservoir both were removed and repairs undertaken.

- The altitude valve was repaired at the Seaforth Reservoir and inlet and outlet interconnecting valves were located.

- Water mains were located on Coles Road to allow for contractors working for the MIA to proceed with works – associated with the Coles Road PS.

- Five (5) flow and pressure tests were carried out – Bridge Road, main street Bakers Creek, Temples Lane Bakers Creek, Titanium Drive and Mangrove Road Mackay to allow developers to complete their design works prior to submitting plans to council planning department.

- A subsidence on the bore pits located at Crystalbrook Road Proserpine has been filled, the subsidence occurred during maintenance development on the bores.

- Hydrants and valves have been cleared and painted and cats eye installed in East Mackay and parts of Malcolmsen Street as part of council's ongoing maintenance plan.

- Service valves have been located on Harbour Road, Mt Bassett Cemetery Road after they were buried by contractors working in the area.

- Twelve (12) services have been under bored in Kathleen Street Sarina as part of council's ongoing planning maintenance programme, after this street was identified as a problem area.

- Inlet piping has been replaced on the dosing tanks at Sarina WTP.

- Installation of larger services and fire lines.
  - 50mm water meter has been installed on the corner of Sydney and Victoria Streets to allow for a restaurant development in the old ANZ Building.
  - A 40mm water service has been installed at 89 Willets Road to allow for a development near the Mater Hospital.

- Backflow tests – installation/ replacement

- 26 council tests
- 2 private tests

- Building maintenance undertaken for internal departments
  - Macarthur Street Pensioner Cottage – replace pressure relief valve HW system
  - Bedford Road Depot – disconnect old existing tap set up
  - Ness Street Depot – repair toilet cistern
  - Palmyra Depot – repair toilet cistern
  - Mirani Depot – repair gutters and downpipes
  - Water treatment plant – repair leaking taps in lab.
  - Ran Chandra Park – repair drinking fountain - repair taps and pipe work in toilet
  - John Breen Park – repair leaking taps.
  - Schaefer Street Park toilets – replace toilet cistern
  - Shoal Point Park toilets – repair toilet cistern
  - Lamberts Beach Park toilets – repair hand basin and waste pipes
  - Eimeo Beach Park toilets – replace toilet cistern
  - Iluka Park – repair two (2) leaking taps
  - Town Beach Park – repair leaking taps
  - Blacks Beach Park – repair leaking taps
  - Seaforth Park – change and repair taps
  - St Helens Beach toilets – repair blockage
  - Cape Hillsborough toilets – repair toilet
  - Finch Hatton toilets – repair blockage
  - Eton Park toilet – repair blockage
- Other work
  - Water meters replacements work carried out in West Mackay
  - One (1) tank inspection
  - Water mains have been tapped plus 32 poly water service and 20mm water meters have been installed to Boundary in four (4) locations. Due to property being sub divided into new blocks at 39 Perry Street Mackay, 29 Boundary Road Page, 8 Peach Street Paget and 2-4 Cremorne Street Cremorne.
  - One (1) underground box installation
  - Raise 100mm water meter to above ground located at Golf Course Mackay/ Bucasia Road
  - Eleven (11) water services were replaced – Hamilton Street, North Mackay, Podosky Street South Mackay, Keller Court North Mackay, 10 – 12 Cumberland Drive Slade Point, Beaconsfield Road Beaconsfield, Nelson & Victoria Street Mackay, Holmes

Drive Beaconsfield, Downie Ave Bucasia, Janz Court Slade Point and Hill End Road Glenella.

- Flush dirty water after complaints of poor quality from residents Kay Court and Brake street North Mackay, Sologinkin Road Rural View and Midge Point Road Midge Point.
- Alter position of existing water meter and service at Evans Ave North Mackay at new shopping centre The Avenue site.
- A main flushing preventive maintenance was carried out in Paget and Ooralea.
- Two (2) water disconnections carried out this month.
- Pipe work has been altered and repaired at three (3) sewer pump stations this month – Sydney Street Mackay, Magpie Street Slade Point and Lamberts Beach Slade Point.
- One (1) water test at White Lace Motel was carried out.
- Test and tag of all electrical gear has been carried out at Ness Street Depot and Bedford Road Depot.
- Remove all old meter legs in Barton Street West Mackay. Not removed when new legs were installed.

4.4.3 Civil Sewer Maintenance

- Nine manholes have been repaired after they were discovered to be leaking through manhole inspections.
- Three (3) manholes have been raised after they were found to be below flood water heights in recent rains.
- Two (2) manholes have been lowered in Marini to allow works department to install new footpaths.
- One (1) sewer main repair was undertaken.
- Four (4) main blockages were cleared.
- Three (3) mains were scoured as part of councils ongoing planned maintenance.
- The 300mm isolation valve on the Coles Road rising main was located and freed up to allow contractors working for the MIA to proceed with their contract.
- Two (2) house connection points were repaired after customer complaints notified failure.
- Three (3) subsidences were identified and repaired.
- Twelve (12) house connection points were investigated as part of councils ongoing maintenance programme.
- Two (2) overflow flaps were replaced on sewerage pump station to prevent ingress of water during heavy rain.
- One (1) house connection point was installed and another disconnected under the recoverable works section of our programme.

4.4.4 Mechanical/ Electrical Maintenance

Maintenance target is 20% reactive – 80% preventative, current tracking for February is 75% reactive – 25% preventative.

Staffing levels have been increased in the mechanical team, this will result in increased levels of preventative maintenance activities.

Capital program upgrades are addressing problematic installations also resulting in reduction of reactive maintenance activities.

4.4.5 CCTV Investigations

New developments:

- Blacks Beach Cove Stage 3B - 286.89m
- Beach Road Dolphin Heads - 75.95m

- Works Department:
  - Stormwater drainage surveys
  - Davey Street Glenella – 35.93m
  - Wilson Street West Mackay – 191.61m
  - Brisbane Street CBD – 56.20m
- General mains investigations
  - Kew Court Glenella – 44.73m
  - Brisbane Street CBD – 3.87m
  - Swallow Street Slade Point – 44.85m
  - Inglewood Close Andergrove – 85.90m
  - Kierra Drive Andergrove – 31.95m
  - Xyloblades Shoal Point =- 54.29m
- Mackay Infrastructure Alliance
  - Sarina infiltration/investigation – 535.80m
- Private works
  - Golding Pty Ltd – 29.48m

4.5 Trade Waste

4.5.1 Main focus

The trade waste implementation plan and advertising campaign is continuing to be rolled out with the main focus on the Mackay CBD.

The second round of trade waste information sessions were held at Mackay Grand Suites on Wednesday

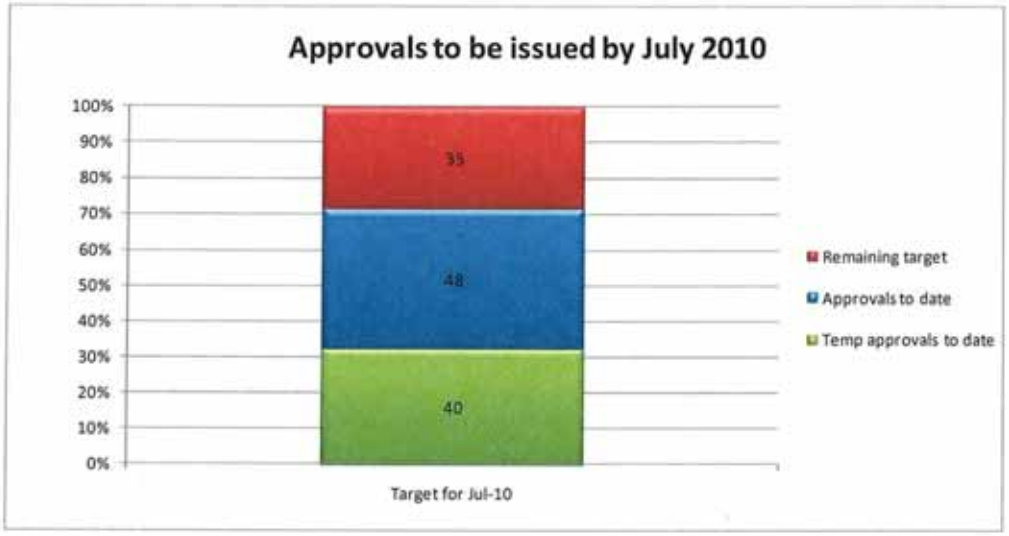
24 February 2010 at 2:30pm and 6:00pm. A total of 34 people attended the two sessions with 28 people at the afternoon session and 6 people at the evening session.

Based on the low numbers at both evening sessions to date, the intention is to cut the evening session and continue with the afternoon session.

On Friday 26 February 2010, an amount of oil was detected in the sewer pump station on Heaths Rd at the end of Valetta Gardens. This pump station receives waste from the Glenella industrial area. A trade waste inspector attended the site and arranged for a liquid waste transporter to remove the oil. The oil spill occurred during a heavy rain event so may have been caused by the malfunction of a stormwater diversion valve at an industrial wash bay. The trade waste department will monitor the pump station and carry out investigations into the possible cause.

Applications have closed for the vacant Trade Waste Inspector's position and an appointment will be made next week.

4.5.2 Trade waste statistics



February 2010	Bakers Creek WWTP	Bucasia WWTP	Sarina WWTP	Mirani WWTP
Total approvals issued @ 28 February 2010	270	31	3	1
Current approvals issued @ 28 February 2010:	217	22	3	1
• Category 1	53	6	1	0
• Category 2	46	3	1	0
• Category 3	120	13	1	1
Applications under assessment @ 28 February 2010	3	0	0	0
Temporary approvals	8	0	0	0
Temporary approvals issued for February 2010	8	0	0	0
Temporary approvals awaiting formal approval @ 28 February 2010	40	0	0	0
Total non-generator assessments	0	0	0	2
Non-generator assessments	0	0	0	0
Total approvals issued	9			0
Approvals issued for February 2010:	9	0	0	0
• Category 1	1	0	0	0
• Category 2	4	0	0	0
• Category 3	4	0	0	0
Compliance tests performed			0	0
• Within set limits	28	6	0	0
• Exceeding set limits	13	2	0	0
Outstanding test results @ 28 February 2010	30	2	1	1

4.6 Plumbing

4.6.1 Plumbing inspections

4.6.2 Plumbing applications received

	Total no. of Applic	Mirani Applic	Sarina Applic
Mar-08	75	5	0
Apr-08	111	8	4
May-08	144	17	6
Jun-08	97	9	6
Jul-08	113	6	12
Aug-08	79	14	5
Sep-08	108	14	6
Oct-08	113	10	10
Nov-08	99	11	14
Dec-08	63	3	6
Jan-09	78	7	6
Feb-09	57	10	7
Mar-09	88	9	6
Apr-09	108	20	7
May-09	103	19	4
Jun-09	141	31	13
Jul-09	147	17	11
Aug-09	123	22	8
Sep-09	120	15	10
Oct-09	130	15	8
Nov-09	129	12	8
Dec-09	116	17	15
Jan-10	76	12	7
Feb-10	30	3	3
	2448	306	182

The total number of plumbing applications received for the entire region during February 2010 was 30 (compared to 57 for February 2009). Of the 30 applications received in total, 3 related to the Mirani area and 3 related to the Sarina area.

4.6.3 Plumbing applications decided

	Total no. of applic	Average days to decide	Mirani applic	Mirani ave days	Sarina applic	Sarina ave days
Mar-08	85	10				
Apr-08	96	16	7	23		
May-08	119	12	14	25		
Jun-08	106	9	1	5	5	13
Jul-08	102	14	1	2	3	9
Aug-08	58	12	2	5	5	11
Sep-08	86	7	3	6	1	1
Oct-08	85	9	4	43	1	63
Nov-08	91	19	12	10	11	20
Dec-08	61	14	2	101	1	3
Jan-09	75	22	7	35	8	36
Feb-09	84	23	12	24	13	18
Mar-09	75	14	7	33	4	29
Apr-09	59	7	8	16	2	5
May-09	91	15	15	10	1	0
Jun-09	122	9	35	6	6	8
Jul-09	154	11	20	9	19	13
Aug-09	147	8	22	7	9	16
Sep-09	106	6	15	4	9	12
Oct-09	113	8	16	6	7	10
Nov-09	165	10	15	5	11	19
Dec-09	113	6	15	13	16	15
Jan-10	56	9	9	6	5	5
Feb-10	29	3	3	4	3	2
	2,278	11	245	13	141	15

The total number of plumbing applications decided for the entire region during February 2010 was 29 (compared to 75 for February 2009).

OPERATIONS – March 2010

4.1 Water Treatment System Performance

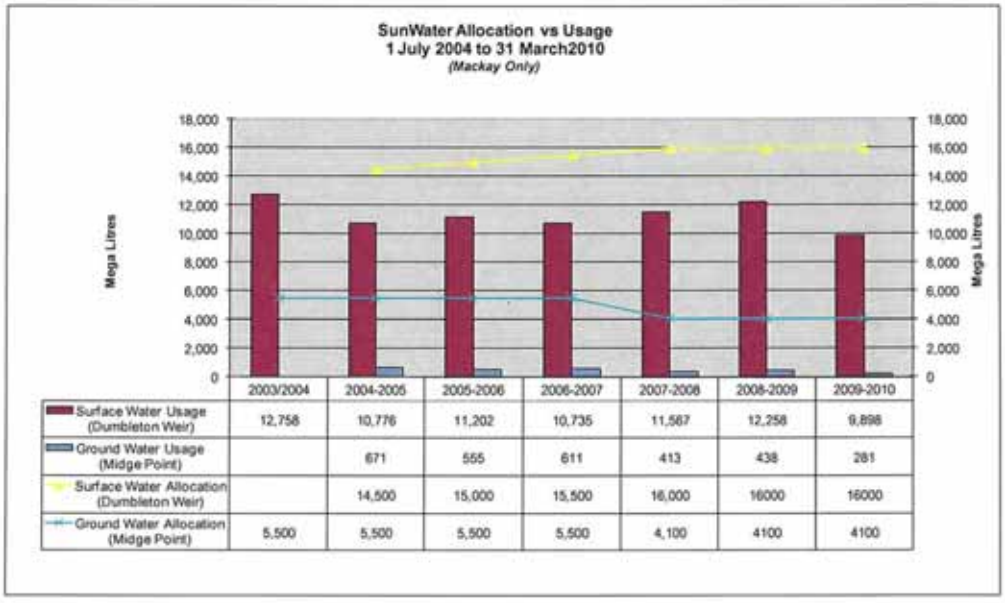
This report covers the month of March. The main focus for water treatment remained the capital works at Nebo Rd WTP. The Fluoride dosing plant is in the commissioning phase and is proceeding with minor adjustments and enhancements being implemented. Potholing has been done in conjunction with geotech drilling to identify existing services in the location of the proposed River Water Dosing Tank.

Dam levels in the region remain high as summarised below, with recent rain completely replenishing the Dumbleton and Mirani bulk water supplies. The rainfall has also coincided with a marked downturn of customer demand.

Water Storage Levels

AS AT 31 MARCH 2010		
Weir / Dam	Volume / ML	%age
Mirani	3299	71
Marian	3985	100
Dumbleton	6791	77
Middle Creek	1486	100

A summary of the water use against SunWater allocations is detailed in the figure below.



	2003/2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010
Surface Water Usage (Dumbleton Weir)	12,758	10,776	11,202	10,735	11,567	12,258	9,898
Ground Water Usage (Midge Point)		671	555	611	413	438	281
Surface Water Allocation (Dumbleton Weir)		14,500	15,000	15,500	16,000	16000	16000
Ground Water Allocation (Midge Point)	5,500	5,500	5,500	5,500	4,100	4100	4100

4.1.1 Mackay (Nebo Rd) Water Supply Summary

Water consumption in March has increased with the average consumption being 28 ML/d in the month.

Annual consumption is still on forecast at around 13,000 ML, within the available Sunwater allocation of 16,000 ML. Ground water (bore) usage was 54 ML.

Water Source Performance Summary

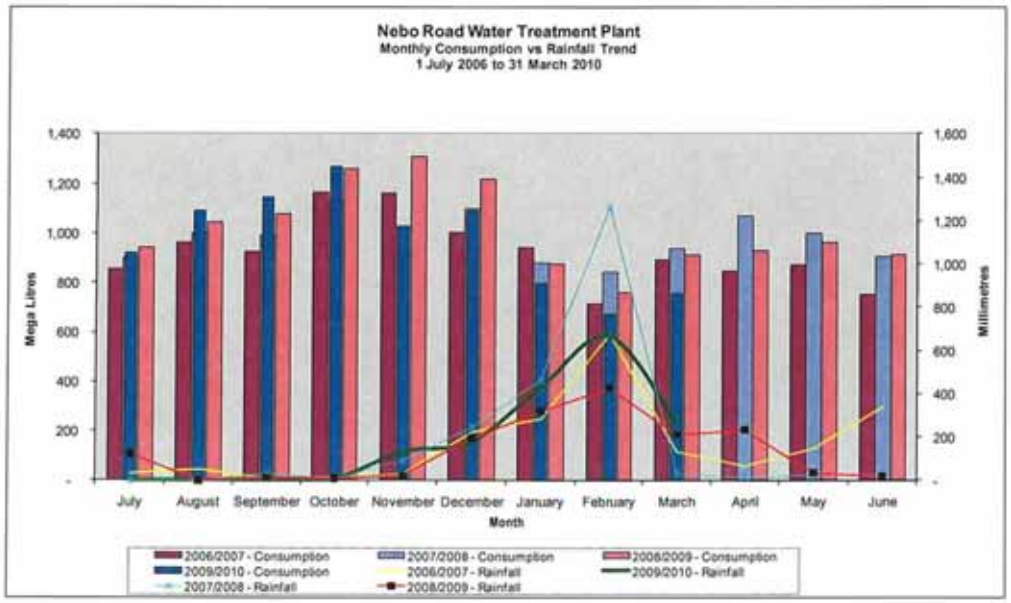
	Allocation (ML/year)	March Consumption (ML)	February Consumption (ML)	January Consumption (ML)	Year to Date Consumption (ML)
Dumbleton Weir	16000	900	818	948	10025
Mackay Bores	5500	12	54	10	140

Water Consumption Performance Summary

	March	February	January	December
Monthly Water Consumption (ML)	866	768	913	1248
Average Daily Water Consumption (ML)	28	27	29	40
Maximum Daily Water Consumption (ML)	38	34	35	49
Average Water Consumption *(Litres per Equivalent Person)**	253	225	267	366
Rainfall	230	586	376	155

* Based on an estimated equivalent population of 110,000
Treatment Plant capacity to approximately 50 ML/day
**Please note that previous months average daily consumption per EP have been changed as the previous formula was incorrect.

Consumption trends have dipped well below the levels experienced last year with the arrival of the increased rainfall. Maximum day demands reached 38 ML/d in March compared to 34 ML/d in February, 35 ML/d in January and 49ML in December.



4.1.2 Sarina and Beaches Water Supply Summary

A summary of the water supplied to Sarina and the surrounding communities is detailed below.

Water Source Performance Summary

	Allocation (ML/year)	March Consumption (ML)	February Consumption (ML)	January Consumption (ML)	Year to Date Consumption (ML)
Mt Blarney WTP (Plane Creek)	N/A	33.3	18.2	22.4	255.90
Sarina Bores	200	27.0	28.13	18.1	131.13
Marwood Bores	350	32.3	29.39	33.5	259.69
Bally Keel Bore	150	9.0	68.62	7.7	112.62
Armstrong Beach Bore		30.3	18.96	2.2	45.26

4.1.3 Pioneer Valley Water Supply Summary

Demand has reduced in all areas to a more reasonable level for this time of year; the high level of demand has abated as a consequence of sustained high rainfall, as well as an increase in water restrictions which were supported by a water saving advertising campaign.

Water Source Performance Summary

	Allocation (ML/year)	March Consumption (ML)	February Consumption (ML)	January Consumption (ML)	Year to Date Consumption (ML)
Mirani Bore	100	7.33	6.30	7.58	88.51
Marian Bore	95	14.0	12.08	13.60	173.23
Pinnacle / Garget	60	2.16	1.63	1.64	22.14
Finch Hatton	46	2.78	2.50	2.31	31.32

Water Consumption Performance Summary

	March	February	January	December
Monthly Water Consumption (ML)	26.27	22.51	25.13	41.63
Average Daily Water Consumption (ML)	0.85	0.80	.81	1.34
Average Water Consumption (Litres per Equivalent Person)	227	215	217	359
Rainfall	420	129	453.25	234

- Based on an estimated equivalent population of 3730EP

4.1.4 Remote Water Treatment Sites Performance

A summary of the water supplied to the remote sites is detailed below.

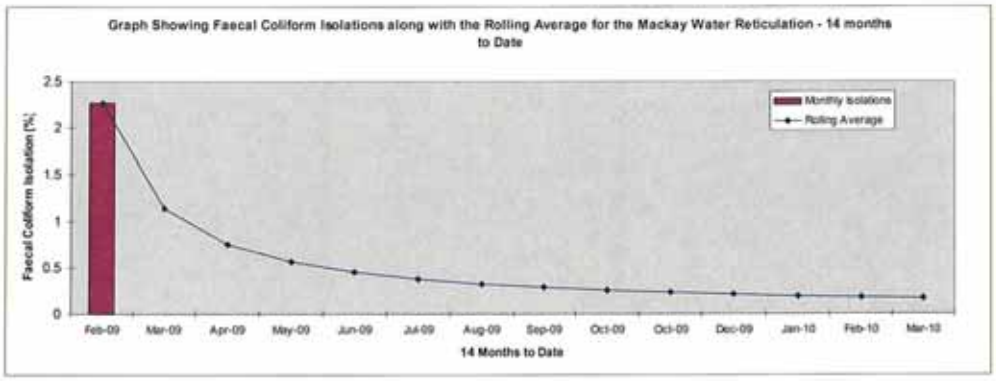
Water Source Performance Summary

	March Consumption (ML)	February Consumption (ML)	Year to Date Consumption (ML)
Eton	3.08	2.31	39.68
Calen	2.02	2.73	30.88
Bloomsbury	0.48	0.59	8.21
Midge Point	9.65	18.09	324.54
Koumala	1.33	1.03	10.437

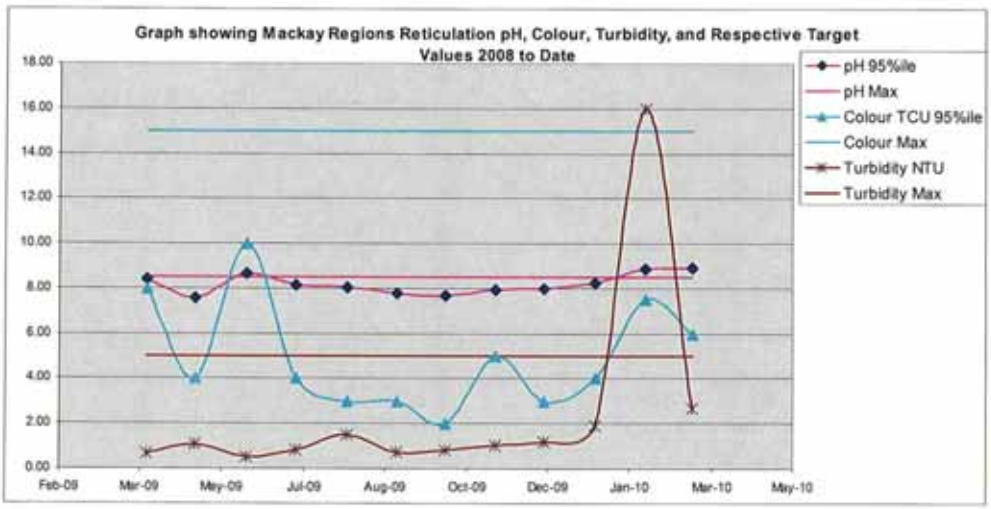
4.2 Water Quality

There were no faecal coliform isolations detected in the Region in January to March despite the elevated temperatures and high rainfall, which is shown in the attached graph. This equates to a 14 month rolling average of 99.84% compliance, which is still higher than the customer service level target of 98%. A summary of the water quality performance data for the region is detailed in the following graphs.

Coliform Isolation Results

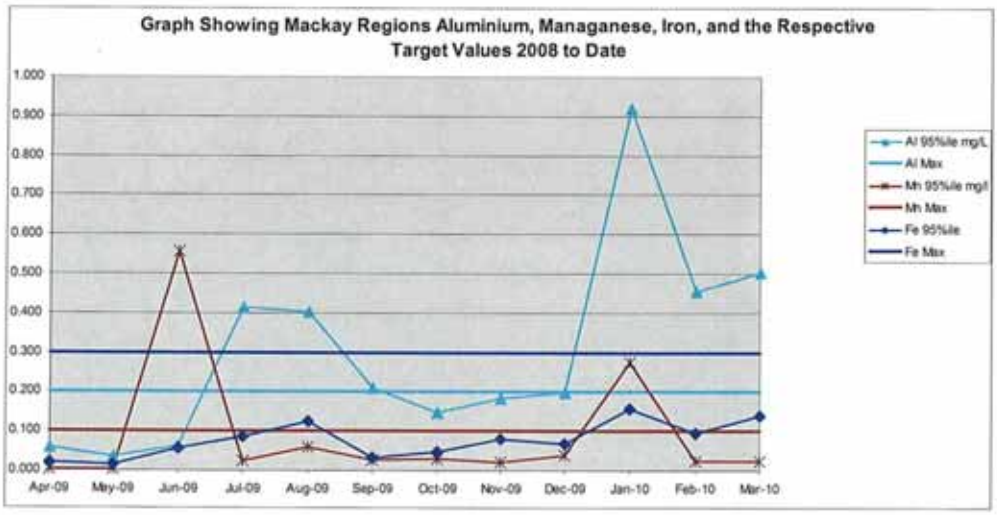


Reticulation pH, Colour, Turbidity



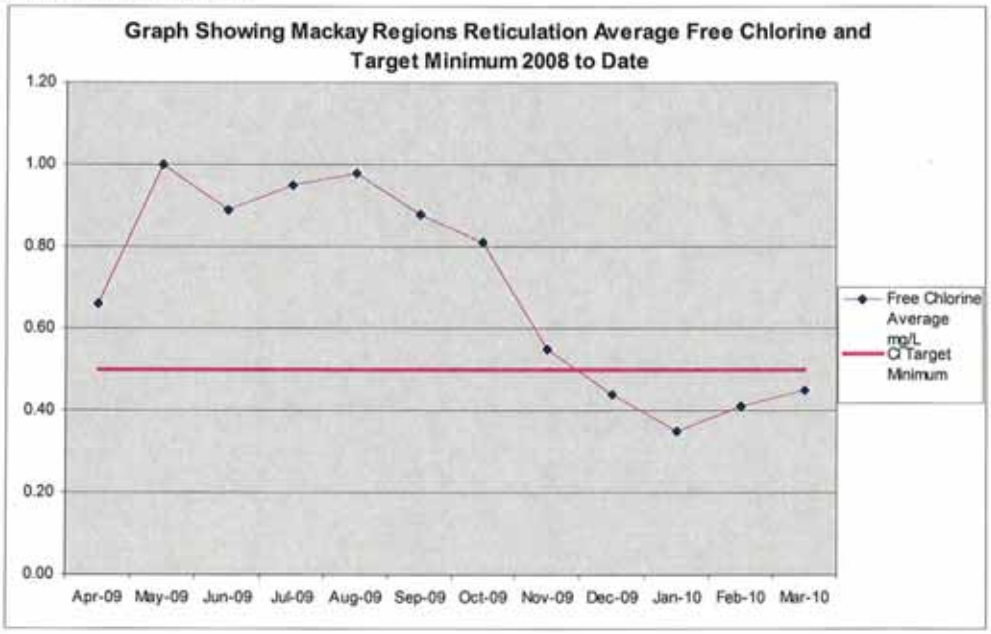
Physical chemical parameters have exceeded the aesthetic guideline for Turbidity in the Mackay distribution system even though the results at Nebo Road WTP were well below the guideline values.

Aluminium, Manganese, Iron



Physical chemical parameters have exceeded the aesthetic guideline for Aluminium in Sarina and Manganese in Bloomsbury. With these results the 12 month rolling compliance average is 99.1% which is still above the target of 98%.

Chlorine Residual Results



Chlorine residual has dipped below the target value of 0.5mg/l due to elevated temperatures and reduced demand. This increases the reservoir retention time of the water and allows the chlorine residual to dissipate.

4.3 Wastewater Treatment System Performance

The significant events for the wastewater system are as follows:

- Works on the buffer tank at Mirani WWTP are complete apart from some modification to enable greater control of the flow rate. The modification will be a Variable Speed Drive for the transfer pump.
- Heavy rainfall at the end of February and throughout March has led to a number of uncontrolled discharges in Sarina, Mirani and Baker's Creek
- Storage lagoons at Baker's Creek are 100% full.

4.3.1 Mackay North Water Recycling Facility and Catchment

In February, the plant received a total of 106.99 ML of influent this month equating to an average flow of 3.82 ML/d. The maximum flow for the month 7.25 ML. Total rainfall for the month was 426.6mm.

MNWRF Performance Summary

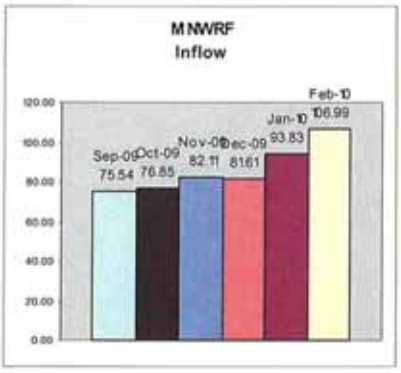
MONTHLY LICENCE READINGS - MNWRF								
Date	Effluent pH (mg/l)	Effluent DO (mg/l)	Effluent BOD(mg/l)	Effluent COD(mg/l)	Effluent Suspended Solids (mg/l)	Effluent TN (mg/l)	Effluent TP (mg/l)	Effluent Faecal Coliforms cfu/100 ml
Limits	Range 6-8.5	Min 2 mg/L	Max 20mg/L	Refer BOD	Max 30mg/L	Max 15mg/L	Max 3mg/L	50%ile 150 90%ile 1000 Max 4000
2-Feb-10	6.8	5	<5	34	10	2.5	0.4	9
10-Feb-10	7.2	5.7	<5	19	7	1.8	0.6	19
18-Feb-10	7.2	7	<5	26	6	2.2	0.1	5
26-Feb-10	7.4	6.2	<5	26	5	2.5	0.5	6
Limits Contract						Average < 5 mg/L	Average < 1 mg/L	
Ave of all results in month						2.4	0.4	

Summary of Discharges from System

Parameter	February	January	Year to Date
Total Wastewater Treated	106.99	93.83	568.51
Effluent Released at Outfall (ML)	119.40*	89.47	514.28
Effluent Reused (ML)	N/A	N/A	N/A
% Effluent Reused	N/A	N/A	N/A
Target / Licensed Effluent to be Reused (%)	N/A	N/A	N/A
Effluent Storage (% remaining)	N/A	N/A	N/A
Tonnes of Biosolids Removed From Site	210	144	870
% Biosolids Beneficially Reused	210	100	100
No. of Pump Station Overflows	0	0	0
Estimated Volume of Overflow release	0	0	0

* Effluent figure higher than inflow due to high monthly rainfall.

A summary of the flows over the previous six months treated by MNWRF is shown below.



4.3.2 Mackay South Water Recycling Facility and Catchment

MSWRF Performance Summary

MONTHLY LICENCE READINGS - MSWRF									
Date	Effluent pH (mg/l)	Effluent BOD (mg/l)	Effluent COD(mg/l)	Effluent TSS (mg/l)	Effluent TN(mg/l)	Effluent TP(mg/l)	Effluent Faecal Coliforms	Turbidity	Disinfection Chlorination
Limits	6.0 to 8.5	Max 20	Refer BOD	Max 30	50%ile 10 Max 30mg/L	50%ile 8 Max 15mg/L	50%ile 1000 Max 4000	Max 15mg/L	Max 3mg/L
2-Feb-10	8.3	5	7	1	5.2	3.1	125	0.5	<0.02
10-Feb-10	6.7	<5	20	1	8.3	2.3	43	0.3	0.10
18-Feb-10	NA - only UV in use	NA - only UV in use	NA - only UV in use	NA - only UV in use	NA - only UV in use	NA - only UV in use	NA - only UV in use	NA - only UV in use	NA - only UV in use
26-Feb-10	NA - only UV in use	NA - only UV in use	NA - only UV in use	NA - only UV in use	NA - only UV in use	NA - only UV in use	NA - only UV in use	NA - only UV in use	NA - only UV in use
Limits Contract	6.0 to 8.5				Average <10.0 mg/L	Average < 8.0 mg/L	Average < 150 mg/L	95th %ile <2 NTU	> 1.0mg/L FCR
Ave of all results in month	7.5				6.3	2.63	63	1.05	0.06

Discharges to Bakers Creek licence compliance

Date	Effluent pH (mg/l)	Effluent DO	Effluent BOD (mg/l)	Effluent TSS (mg/l)	Effluent TN(mg/l)	Effluent NH4		Effluent Faecal Coliforms
Limits Licence	6.0 to 8.5	Minimum 2	Max 20	Max 30	Max 30mg/L	90th%ile 3 Max 6	Effluent TP(mg/l) Max 15mg/L	50th%ile 150 90th %ile 1000 Max 4000 (Up to 3 x ADWF)
18/02/2010	6.7	4.7	<5	6	6	1.4	2.1	285000
26/02/2010	6.9	6	<5	12	7.4	2.8	1.5	4,320

* Please note the Faecal Coliform results for 18-2-10 and 26-2-10 were recorded when there was greater than 3 x ADWF

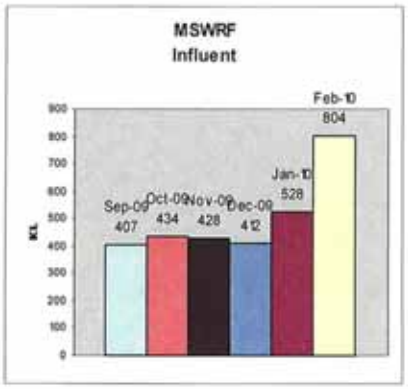
Mackay South plant is running well and has shown no licence non-compliance events this month.

In February 34% of the effluent produced was discharged to the recycled water storage dams for future use for cane irrigation.

Summary of Discharges from System

Parameter	February	Year to Date
Total Wastewater Treated	803.85	3116.77
Effluent Released at Outfall (ML)	579.87	1938
Effluent Reused (ML)	284	936.9
% Effluent Reused (target 88%)	34	N/A
Effluent Storage (% remaining RWS2)	0	N/A
Effluent Storage (% remaining RWS3)	0	N/A
Tonnes of Biosolids Removed From Site		3367
% Biosolids Beneficially Reused		100
No. of Pump Station Overflows		0
Estimated Volume of Overflow release		0

A summary of the flows over the previous six months treated by MSWRF is shown below.



4.3.3 Sarina Wastewater Treatment Plant

The plant received a total of 121.23 of influent this month equating to an average flow of 4.32 ML/d. The maximum flow for the month was 7.88ML/d. Total rainfall for the month was 808 mm.

Sarina WWTP Performance Summary

MONTHLY LICENCE READINGS - SARINA					
Date	Effluent BOD(mg/l)	Effluent Suspended Solids (mg/l)	Effluent Faecal Coliforms cfu/100 ml	Effluent TN (mg/l)	Effluent TP (mg/l)
Limits	Max 30	Max 45	Max 4000	Max	Max 5mg/L
10-Mar-10	<5	8	<1	6.2	1.9

Summary of Discharges from System

Parameter	March	February	January	Year to Date
Total Wastewater Treated	85.89	121.22	70.13	244.35
Average Daily Flow	2.889	4.329	2.26	-
Effluent Released at Outfall (ML)	89.58	105.24	6*	29
Effluent Reused (ML)	0	1895	64.13	180.6
% Effluent Reused	0%	85%	91.4%	73.9%
Target / Licensed Effluent to be Reused (%)	N/A	N/A	N/A	N/A
Effluent in Storage (%)	100%	N/A	N/A	N/A
Tonnes of Biosolids Removed From Site (m3)	0	0	0	112
% Biosolids Beneficially Reused	0	0	100	100
No. of Pump Station Overflows	***	0	2	2
Estimated Volume of Overflow release (kL)	***	0	21	21***

*Figures for Total Flow Leaving Plant, & Discharge at Smythes Crossing were unavailable for January as the flow-meter was u/s. It has been repaired as of 2 February 2010.
** There were two pump station overflows in January; both at number 1 pump station due to wet weather events. These have been reported to the EPA.
*** Cyclone Ului resulted in multiple environmental discharges and pump station overflows in Sarina caused by power outages.

4.3.4 Mirani/Marian Wastewater Treatment Plant

The plant received a total of 24.25ML of influent this month equating to an average flow of 0.782 ML/d. The maximum flow for the month was 1.246ML/d. Total rainfall for the month was 420.3 mm.

Mirani WWTP Performance Summary

MONTHLY LICENCE READINGS - MIRANI								
Date	Effluent pH (mg/l)	Effluent DO (mg/l)	Effluent BOD(mg/l)	Effluent Suspended Solids (mg/l)	Effluent TN (mg/l)	Effluent TP (mg/l)	Effluent Faecal Coliforms cfu/100 ml	Ammonia
Limits to water storage	6.5-8.5	N/A	Max 20mg/L	Max 30mg/L	N/A	N/A	Max 4000	N/A
Limits to water way	6.5-8.5	Min 2 mg/L	Max 15mg/L	Max 20mg/L	Max 20mg/L	Max 5mg/L	Max 600	Max 2
3-Mar-10	7.3	7.6	<5	3	9.4	3.5	2700	<0.3

Mirani discharge all effluent to the recycled water storage. The local cane farmers are not using effluent from the dam for irrigation. Whilst discharging to reuse the licence limits are BOD (20 mg/L), Suspended Solids (30 mg/L) and E-Coli (1000 cfu/100ml).

Summary of Discharges from System

Parameter	February
Total Wastewater Treated	16.77
Average Daily Flow	0.782
Effluent Released at Outfall (ML)	0
Effluent Reused (ML)	0
% Effluent Reused	0
Target / Licensed Effluent to be Reused (%)	100
Effluent in Storage (%)	58.6
Tonnes of Biosolids Removed From Site (m3)	0
% Biosolids Beneficially Reused	0
No. of Pump Station Overflows	0
Estimated Volume of Overflow release	0

4.3.5 Effluent Recycling

Recycled Water usage in March has been nil.

Continual wet weather has resulted in no irrigation requirements at all.

The Pump Station at RWS 3 is still switched off.

Storage levels at RWS 3 and at RWS 2 are at 100 %.

4.1 **Trade Waste**

4.3.6 Main focus

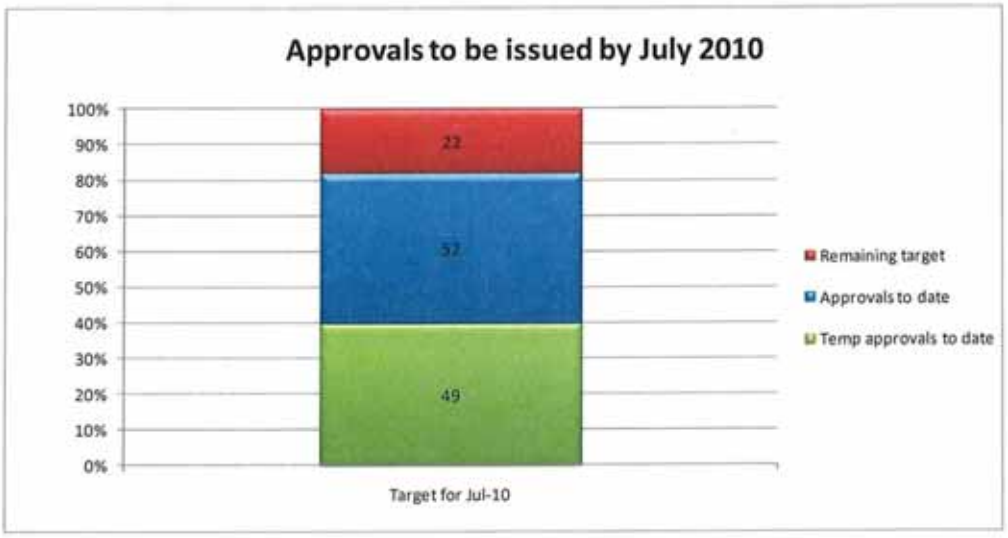
The trade waste implementation plan and advertising campaign is continuing to be rolled out with the main focus on the Mackay CBD.

The third round of trade waste information sessions will be held at Mackay Grand Suites on Tuesday 13 April 2010 at 2:30pm. Only one session will be held due to lack of numbers at previous evening sessions.

Trade Waste Inspector's Assistant, John Sullivan, was offered and accepted the role of Trade Waste Inspector. Interviews have been conducted for the Inspector's Assistant position and an appointment will be made next week.

5.4.2 Trade waste statistics

March 2010	Bakers Creek WWTP	Bucasia WWTP	Sarina WWTP	Mirani WWTP
Total approvals issued @ 31 March 2010	275	31	3	1
Current approvals issued @ 31 March 2010:	221	22	3	1
• Category 1	55	6	1	0
• Category 2	0	3	1	0
• Category 3	122	13	1	1
Applications under assessment @ 31 March 2010	28	0	0	0
Temporary approvals		0	0	0
Temporary approvals issued for March 2010	18	0	0	0
Temporary approvals awaiting formal approval @ 31 March 2010	49	0	0	0
Total non-generator assessments	236	0	0	2
Non-generator assessments	82	0	0	0
Total approvals issued				0
Approvals issued for March 2010:	4	0	0	0
• Category 1	2	0	0	0
• Category 2	0	0	0	0
• Category 3	2	0	0	0
Compliance tests performed			0	0
• Within set limits	21	2	0	0
• Exceeding set limits	32	2	0	0
Outstanding test results @ 31 March 2010	5	0	0	0



Plumbing

Plumbing inspections are continuing as normal however the senior plumbing inspector has taken extended long service leave until 15 October 2010 leaving the team under resourced. A 6 month temp

position was advertised this month without any successful applicants. This will be readvertised but will be a very difficult position to fill. The impact to date is that there are delays to scheduling plumbing inspection, so far not too bad but will back up unless an additional resource can be found.

This situation will be compounded if we continue to see the number of large developments such as the base hospital, new Paget Depot, Stadium and Canelands coming through in the next 6 months.

The stats for this month cannot be run but will be presented in next month's report.

A meeting of the Master Plumbers Association Qld Mackay Branch on the 8 March 2010 was attended by the Mayor and staff from Water and Waste and issue raised are currently being addressed by Council.

4.4 Network Reticulation Systems

4.4.1 Significant Issues

- Planned maintenance programme, line scouring sewers which are known problem areas to prevent blockages and inconvenience to our customers was undertaken in Andergrove and Beaconsfield.

- Inflow investigations were carried out in Boundary Road, Hastings Street, Broadsound Road, Tropical Caravan Park (Farrellys Lane), Holts Road and Beaconsfield Heights.

- An extensive water main flushing programme, flushing the dead end streets and the network has begun as part of councils planned maintenance works.

Cyclone Ului

- Clean up extensive works were undertaken after the cyclone including sewer clean ups in Hucker, Gold, Steen, Stevenson Streets, Leisure Court, Evans, Wentford, Simon, Gladstone Streets and Main Street Bakers Creek, Temples Lane McKenzie Street, Monique Court, Holts Road and Quarry Street.
- Trees were removed so fences could be repaired at Mt Pleasant, Seaforth, Ball Bay, Calen and Midge Point, Reservoir sites.
- The creek bore were reinstated in the O'Connell River Bloomsbury after flood rains washed it away. T
- he roof from the Green Street Reservoir was removed from a neighbouring house and the site maintained.

- Washouts were backfilled on the Sarina Northern Beaches Pipeline due to damage caused in the cyclone.

- Extensive works were undertaken following the malfunction of the trunk water system between Mt Griffiths and Mt Hayden on the Sarina Beach Pipelines. The malfunction was caused by flow and effects by the cyclone, and the southern network put in long days to rectify this situation.

4.4.2 Civil Water Maintenance

- Inspections were carried out at Mt Pleasant Reservoirs No 1 and No 2 roofs after it became evident that paint installed after a recent contract was failing. Infrastructure Delivery have arranged for the contractor to come and undertake remedial works under warranty.

Chlorine boost network reservoirs

- Chlorine levels were boosted in Ian Radcliffe Drive, Rural View, Shoal Point, Green Street, Midge Point, Seaforth and Ball Bay Reservoirs as a precaution after Cyclone Ului due to interruptions to pumping and retention times.
- Three repairs were undertaken on the Dumbleton Raw Water Rising Main two in Rougashes Road and one in Weigunds Road.
- All existing air valves on the Dumbleton Raw Water Main were replaced as part of works undertaken for MIA delivery in an effort to minimise failures on this asset.
- Flow and pressure tests have been undertaken in Victoria Street and Mangrove Road to allow the developers of Caneland Shopping Town expansion to finalise their design.
- Water mains have been cut into the existing network in three locations Coogee Terrace, Blacks Beach, Palm Street and Cremorne Street, North Mackay.
- Hydrant and valves were located cleaned painted and cats eyes installed in Ooralea, Farleigh and West Mackay as part of councils ongoing maintenance programme.
- Fire hydrants were replaced in Phillip and Shakespeare Streets and Amanda Drive after they failed during routine testing.
- Service valve repairs were undertaken in Carlisle, Shakespeare, River, Brisbane and Woods Streets after planned maintenance identified their failure.
- Water main locations were undertaken in Milne Lane, West Mackay for works department to allow them to finalise their designs.

- Installation of larger services and fire lines/met checks were installed at:
  - 141 Boundary Road South Mackay – 50m - 63 poly
  - Gordon Street Sewer Pump Station – 63 poly to Boundary
  - 19 Martin Street North Mackay – 3-20mm – 2-32 poly
  - 61 Carlyle Street Mackay – 4-20mm - 50 poly
  - 2-4 Cremorne Street North Mackay – 2-20mm – 32 poly
- Backflow tests – installation/ replacement
  - 20 council tests
  - 2 private tests
  - 1 new backflow installation Coles Road 40mm
  - 1 backflow repair Park Street roundabout

- Building maintenance undertaken for internal departments
  - Bedford Road Depot - repair female toilet – Parks
    - male toilets replace cistern

- clean roof water sheds
- Ness Street Depot - install eye wash dispenser
- Mulherin Park - repair disable shower
  - repair taps in park
  - repair drinking fountain
- Lamberts Beach Park - repair hand basin
- John Breen Park - repair drinking fountain
- Ran Chandra Park - repair hand basin
- Community Hall Northern Beaches - repair toilets
- Bucas Drive Pensioner Cottage – repair toilet
- Mt Bassett Crematorium - repair water line
- Botanic Gardens - install basin tap
- Starboard Circuit Park - repair shower tap
- Entertainment Centre - repair broken waterline

- Other Work
  - Water meter replacements were carried out in West Mackay
  - One underground box was repaired at Elvin Street
  - Nine water services were replaced:
    - Pratt Street Mackay,
    - Barnes Creek Road North Mackay
    - Lindeman Street Slade Point
    - Meyer Street Mt Pleasant
    - Linda Street Bucasia
    - Edmond Street Bucasia
    - Turner Street East Mackay
    - Pelican Street Slade Point
    - 28 Andergrove Road Andergrove
  - Flush dirty water after complaints of poor quality from residents:
    - Palm Street
    - Cremorne Street
    - Barnes Creek Road
    - Laguna Resort Midge Point
    - Bloomsbury
  - Pipework has been installed and altered to the chlorinator line at Kelsey Creek water pump station
  - One water disconnection was carried out this month

- One water meter test at 30 McLennan Street was carried out this month
- Repair 40mm water line damaged by contractors on Golding's site new bridge approach Sydney Street. Remove and install in laneway
- Remove damaged roofing at Green Street Reservoir, due to cyclone damage.

4.4.3 Civil Sewer Maintenance

Recoverable Works

- Three new manhole connections were undertaken to allow subdivisions to be connected to the existing infrastructure.
- Three manholes were raised to allow a home owner to adjust the height of his property
- Two sewer mains were repaired after damage during road works

Standard Maintenance

- Ten manholes were repaired after defects were identified during inflow investigations
- Five house connection points were repaired after defects were identified investigating slump in private properties
- Seven blockages were cleared after they were identified after customer complaints

4.4.4 Mechanical / Electrical Maintenance

Maintenance target is 20% reactive – 80% preventative, current tracking for March estimated to be 78% reactive – 22% preventative. Limited resources to input data into Hansen are being reviewed at present to improve the accuracy of reporting.

Staffing levels in the electrical team have been affected due to difficulties in recruiting for the Team Leader position and staff illness.

Reactive maintenance was higher this month mainly due to the influence of Cyclone Ului. This placed an enormous demand upon the maintenance staff which lasted well beyond the passing of the Cyclone itself.

4.4.5 CCTV Investigations

- New developments:
  - Pioneer Lakes Stage 4 – Mirani
  - Pioneer Lakes Stage 4 – Mirani
  - New development – listed defects fusion app – Nelson Street
  - New development – St Joseph's Canberra Street
  - New development – St Francis Holland Street
- Maintenance – existing relign CCTV:
  - CBD – 16.03.10
  - CBD – 17.03.10
  - CBD – 23.03.10

- CBD – 25.03.10

- Maintenance investigations
  - 27 Creek street (blockage h/drain)
  - 12 Spannagle Street (main)
  - 11 Holts Road (main)
- Works Department
  - Victoria Street – Stormwater Survey
- Private works
  - CSR Sarina – Dunder Ponds outlet ethanol

5 MANAGEMENT - WASTE SERVICES – February 2010

5.1 Management

- Officers have been focused on budget preparation for the 2010-2011 budgets to ensure that the budget timelines are met.
- Key Waste Services officers met on 4 February 2010 to review the current safety rectification action plan for southern waste disposal facilities. Most actions have been completed. Some long term actions require completion.
- Waste Services Coordinator has attended the new Paget Depot Project team meetings held on the 4th and 25th February 2010. The officer has been providing advice to the committee on waste management services for the new facility.
- Waste Services Coordinator attended a product demonstration of asset management software that council is considering on the 28th February 2010.
- The monthly contract meeting with Thiess services was held on the 23rd February 2010.

Active Waste Disposal Sites

Transactions (Receipts Issued):

	February	January	December	November	October	September	August	July	June	May	April	March	Februar
Hogans Pocket L/F	27	32	31	18	17	31	13	11	8	3	6	0	
Paget T/S	8,871	10,740	10,355	8160	9724	9264	7875	8396	8512	9462	9460	9562	92
Bloomsbury T/S	99	179	157	202	146	106	153	137	107	142	133	186	1
Kolijo T/S	138	157	169	244	155	114	208	136	143	149	142	231	1
Kuttabul I/B	132	175	166	126	180	166	165	176	207	474	169	0	
Seaforth T/S	232	415	313	501	292	311	257	268	319	286	311	497	2
Sarina L/F	431	707	707	389	646	692	529	667	726	954	1081	777	10
Hay Point L/F	196	383	302	460	633	560	446	576	482	578	608	633	6
Koumala T/S	17	34	45	42	58	42	46	57	45	58	70	45	
Otterburn L/F	369	367	486	347	495	413	359	453	422	543	486	367	
Gargett L/F	95	136	160	79	119	123	94	131	128	147	152	132	

Finch Hatton T/S	61	94	80	54	91	97	77	98	89	105	104	110	
Eungella T/S	55	78	71	54	58	42	32	47	53	46	45	80	1
Bayersville Greenwaste Facility	864	1139	671	847	970	966	640	556	777	982	906	1058	9
Walkerston Greenwaste Facility	203	216	137	158	184	175	124	149	165	207	191	235	2
Bucasia Greenwaste Facility	517	615	490	594	657	683	507	451	472	621	612	507	6

Closed Waste Sites

Closed Waste Sites:

	February			January		
	Inspections	Actions Required	Actions Completed	Inspections	Actions required	Actions completed
Illawong (Far Beach)	1	0	0	0	0	0
Bakers Creek	0	0	0	0	0	0
Eton	1	0	0	0	0	0
Habana	0	0	0	0	0	0
St Helens	0	0	0	0	0	0
Midge Point	1	0	0	0	0	0
Rural Bin Sites	0	0	0	0	0	0
Seaforth L/F	1	0	0	0	0	0
Koumala	1	1	1	0	0	0

Waste Site Transactions (Receipts Issued)

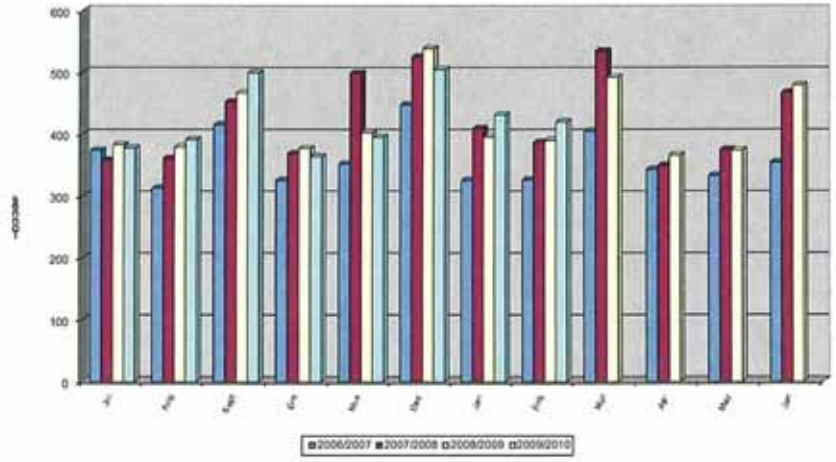
Transactions (Receipts Issued):

	February	January	December	November	October	September	August	July
Hogans Pocket L/F	27	32	31	18	17	31	13	11
Paget T/S	8871	10740	10355	8160	9724	9264	7875	8396
Bloomsbury T/S	99	179	157	202	146	106	153	137
Kolijo T/S	138	157	169	244	155	114	208	136
Kuttabul I/B	132	175	166	126	180	166	165	176
Seaforth T/S	232	415	313	501	292	311	257	268
Sarina L/F	431	707	707	389	646	692	529	667
Hay Point L/F	196	383	302	460	633	560	446	576
Koumala T/S	17	34	45	42	58	42	46	57
Otterburn L/F	369	367	486	347	495	413	359	453
Gargett L/F	95	136	160	79	119	123	94	131
Finch Hatton T/S	61	94	80	54	91	97	77	98
Eungella T/S	55	78	71	54	58	42	32	47
Bayersville Greenwaste Facility	864	1139	671	847	970	966	640	556
Walkerston Greenwaste Facility	203	216	137	158	184	175	124	149
Bucasia Greenwaste Facility	517	615	490	594	657	683	507	451

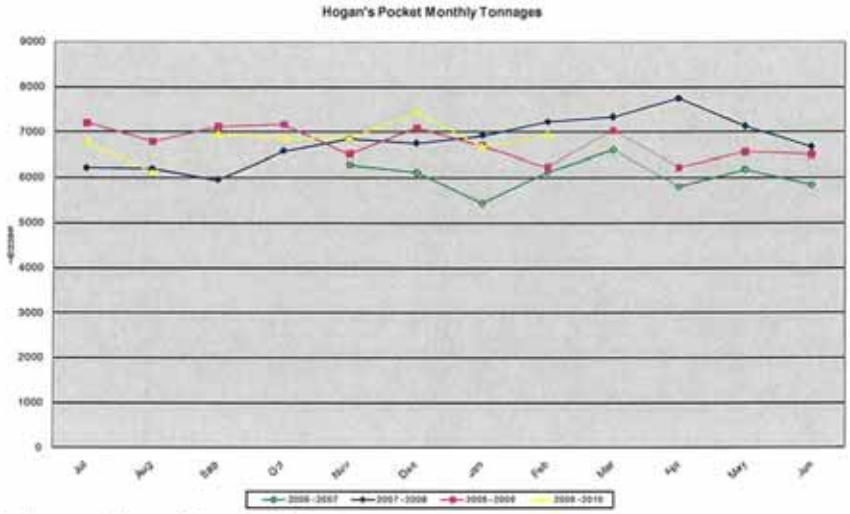
Collection Services

- Collection services provided by Council's contractors have been performed satisfactory.

Recycling Collection



Waste Disposal Monthly



Performance Report February 2010

Main focus of work activities:
Coordination of Free Weekend 13 & 10th March 2010
Monthly Graphs
Distribution of Workplace Health and Safety Manuals
Spraying around the Bores

Environmental Education duties:

Education visits to the Material Recovery Facility:

- Co-coordinated and performed the following school and community visits at the Materials Recovery Facility:
    - 5 Teachers from Science Smart and Earth Smart Science programs.
    - Mackay Christian College 17 students & 1 adults

Clean Up Australia Day 2010:
Coordinated clean Up Australia Day 2010 for the Mackay Region this included:

- Registering sites for Clean Up Australia Day 2010 online
- Inspected sites in the area for public clean up suitability and planning of skip bin placement
- Monitored Clean up Australia Day website for registrations made by other groups
- Coordinated rubbish removal from council registered sites
- Contacted site supervisors of non council registered sites to assist with rubbish removal
- Organised separate removal of tyres from sites with ChanSes R
- Prepared additional equipment for council registered sites
- Distributed kits, drinks and materials to site supervisors
- Provided Clean Up Australia Day information and photos for media stories.
- Liaised with Corporate Communications regarding advertising for Clean Up Australia Day 2010.

Reef Guardian Council program

- Commenced updating the Reef Guardian Council Program action plan for 2010/11.

Conference / meetings:

- Attended teacher networking meeting organised by Great Barrier Reef Marine Park Authority- 22 February 4-6pm

MANAGEMENT- WASTE SERVICES – March 2010

Management

- The focus for the 2nd part of March was managing the impact of Cyclone Ului.
    - Prior to the cyclone, waste disposal facilities experienced a significant increase in customer numbers and volume of waste received. Additional resources were allocated to manage the extra waste.
    - Following the cyclone, Mackay Waste Services opened green waste disposal sites seven days a week at 19 locations. Most receiving locations were at established operating sites, but some were established using closed landfills and quarries.
    - Green waste is being mulched and the material will be processed in accordance with current contracts or at closed landfills.
    - All disposal sites operated 7 days per week up to Easter Monday (5/4/2010).
    - Green waste disposal fees have been waived until Friday 30th April 2010.

- Mackay Waste Services has been continuing to work on business planning, the 2010 – 2011 draft budget, and the National Completion Policy review.

- Preliminary work is continued regarding identification of the proposed North Mackay Transfer Station.
- Mackay Waste Services carried out scheduled safety audits of Pioneer Valley waste disposal facilities on the 4th March 2010. An action plan will be drafted and submitted to the water and waste safety officer as per the current procedure.
- Tender documents are being prepared for new rural transfer station design, former landfill remediation, resource recovery services, green waste management and LFG system design and construction.
- Meetings held with AECOM and Thiess to progress respective contractual issues.

Active Waste Disposal Sites

Active Waste Disposal Sites:	March			February		
	Inspections	Actions required	Actions completed	Inspections	Actions required	Actions completed
Hogans Pocket L/F	7	0	1	6	1	0
Paget T/S	20	2	2	17	1	1
Bloomsbury T/S	3	1	1	1	0	0
Kolijo T/S	3	1	1	1	0	0
Kuttabul I/B	4	0	0	2	0	0
Seaforth T/S	9	3	3	1	0	0
Sarina L/F	26	5	2	1	0	0
Hay Point L/F	22	0	0	2	0	0
Koumala T/S	7	0	0	4	0	0
Colston I/B	3	3	3	0	0	0
Otterburn L/F	15	2	2	4	0	0
Gargett L/F	11	0	0	2	0	0
Finch Hatton T/S	9	0	0	1	0	0
Eungella T/S	5	0	0	1	0	0

Greenwaste Sites

Greenwaste Sites:	March			February		
	Inspections	Actions required	Actions Completed	Inspections	Actions required	Actions completed
Bayersville	4	0	0	1	1	1
Walkerston	5	0	0	2	1	1
Bucasia	4	0	0	2	1	1

Closed Waste Sites

Closed Waste Sites:	March			February		
	Inspections	Actions Required	Actions Completed	Inspections	Actions required	Actions completed
Eungella L/F	1	0	0	0	0	0
Illawong (Far Beach)	5	1	1	1	0	0
Bakers Creek	0	0	0	0	0	0
Eton	2	0	0	1	0	0
Habana	0	0	0	0	0	0
St Helens	1	0	0	0	0	0

Midge Point	5	3	3	1	0	0
Rural Bin Sites	0	0	0	0	0	0
Seaforth L/F	4	0	0	1	0	0
Koumala	2	0	0	1	1	1

Waste Site Transactions (Receipts Issued)

Transactions (Receipts Issued):

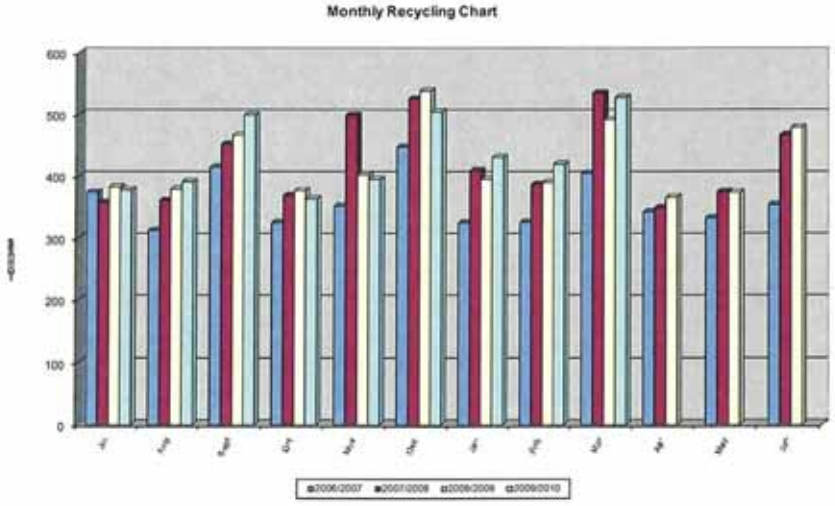
	Mar 10	Feb-10	Jan-10	Dec-09	Nov-09	Oct-09	Sep-09	Aug-09	Jul-09	Jun-09	May-09	Apr-09
Hogans Pocket L/F	44	27	32	31	18	17	31	13	11	8	3	
Paget T/S	*14,508	8,871	10,740	10,355	8160	9724	9264	7875	8396	8512	9462	946
Bloomsbury T/S	*370	99	179	157	202	146	106	153	137	107	142	13
Kolijo T/S	*151	138	157	169	244	155	114	208	136	143	149	14
Kuttabul I/B	*182	132	175	166	126	180	166	165	176	207	474	16
Seaforth T/S	*965	232	415	313	501	292	311	257	268	319	286	31
Sarina L/F	*1455	431	707	707	389	646	692	529	667	726	954	108
Hay Point L/F	*717	196	383	302	460	633	560	446	576	482	578	60
Koumala T/S	*47	17	34	45	42	58	42	46	57	45	58	7
Otterburn L/F	*1478	369	367	486	347	495	413	359	453	422	543	48
Gargett L/F	*273	95	136	160	79	119	123	94	131	128	147	15
Finch Hatton T/S	*203	61	94	80	54	91	97	77	98	89	105	10
Eungella T/S	*76	55	78	71	54	58	42	32	47	53	46	4
Bayersville G/Waste Facility	*5412	864	1139	671	847	970	966	640	556	777	982	90
Walkerston G/Waste Facility	*1899	203	216	137	158	184	175	124	149	165	207	19
Bucasia G/Waste Facility	*6273	517	615	490	594	657	683	507	451	472	621	61

*Cyclone Clean up

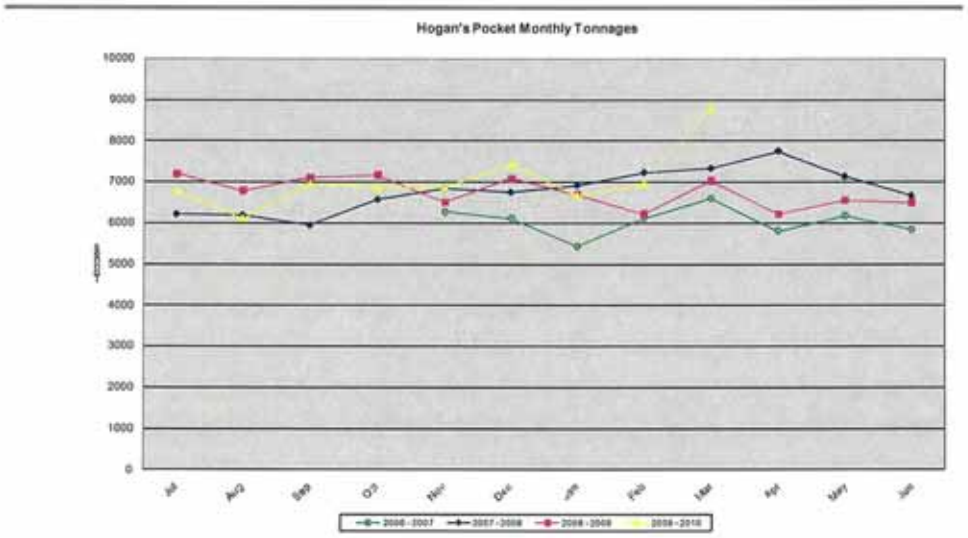
Collection Services

- Collection services provided by Council's contractors have been performed satisfactory.

Recycling Collection



Waste Disposal Monthly



Environmental Education Performance Report March 2010

Main focus of work activities:

Environmental Education duties:

Education visits to the Materials Recovery Facility:

- Co-coordinated and performed the following school and community visits at the Materials Recovery Facility:
    - Staff induction tour for new waste service staff member

School / Community Education Visits:

- Six recycling education sessions given at Marian State School for years 4-7. Total attendance 200 students and 8 teachers.

Competitions:

- Prepared and sent out the 2010 recycling art competition details to all primary school in the region.

Clean Up Australia Day 2010

Coordination of Clean Up Australia Day 2010 -7 March for the Mackay Region included:

- Completed all preparations for Clean Up Australia Day prior to 7 March
- Visited all council registered sites within Mackay city area on Saturday 6 March and Sunday 7 March.
- Organised follow-up collection and removal of tyres from sites.

- Completed a Clean Up Australia Day 2010 survey for the Mackay region.
- Organised a thank-you morning tea with the Mayor for the site supervisors of the council registered sites.
- Compiled a Clean Up Australia Day 2009 report for the Mackay region (attached).

Website / Information updates:
- Ongoing liaison with Kylee Gilbank to update website information.

Conference / meetings:
- Attended Eco Expo meeting, 9 March
- Attended Reef Guardian Schools meeting 11 March.
- Attended Reef Guardian Council workshop 19 March
- Attended cyclone recovery team meetings 23-26 March

Clean Up Australia Day (CUAD) 2010 Report

There are three national clean up days:
- Business Clean Up Day (Tuesday 2 March 2010)
- Schools Clean Up Day (Friday 5 March February 2010)
- Community Clean Up Australia Day (7 March 2010)

The Clean Up Australia Day 2009 project officer for the community was:
Tatjana Fromm Ph: (02) 8197 3412 Fax: (02) 9251 6249
Email
Tatjana was the main point of contact for any enquiries regarding Clean Up Australia Day issues.

Overview:

Each year the council co-ordinates the community Clean Up Australia Day and gives assistance and advice to businesses and schools if requested. Clean Up Australia Day Sunday March 7 2010, was the 20th anniversary of Clean Up Australia Day.

Registrations:

The Mackay Regional Council lodged an expression of interest to participate and register sites in the region with Clean Up Australia in October 2009.
Site coordinators who were involved in CUAD in previous years with the Mackay Regional Council were contacted to seek their involvement again in 2010 by registering with the council. An advertising campaign seeking site coordinators was launched to further attract interested parties across the region.

In total 19 sites were registered through council for Clean Up Australia Day.
Council registrations included:

Mackay Rotary Club
Rotary Club of Mackay Sunrise
North Mackay State High School
Seaforth Progress Association
Mercy College Mackay
1st Northern beaches Girl Guides Club
Mackay Land Rover Club Inc.

Mackay Surfing Club
Mackay City Central Scout Group
Pioneer Catchment & Landcare Group
Hail Creek Mine Group
Mackay and District Holden Club
Midge Point Progress Association Club
Strategic Accountants Group
Jesus Christ Laterday Saints Group
Sarina Lions Club
Saint Patrick's College
Matthew Sant
Zona Lomas

Volunteers:

Over 500 volunteers registered to clean up at council registered sites.

Waste Disposal:

Waste removal was coordinated with Veolia and skip bins provided for all sites registered with the Council. 19 skip bins were provided for rubbish collection. The number and size of the skip bins distributed was as follows:
4 x 4m bins
12 x 6m bins
3 x 15m bin

The Mackay Regional Council provided free waste disposal of Clean Up Australia Day rubbish. The total tons of waste disposed of from Clean Up Australia Day 7.16 tons.

26 tyres were collected and disposed of separately by ChanSes R.

Promotion:

The Mackay Regional Council actively promoted the event using advertising and press releases via the local newspapers and radio stations. Many Clean Up Australia Day articles appeared in the local papers leading up to and after the event.

Sponsorship/ Donations:

Council purchases drinks and organised partial sponsorship of free drinks at each of the council sites.

Distribution Kits and Material:

The Mackay Regional Council supplied additional material to clean up kits including bags, gloves and tongs. The clean up kits were distributed directly to the site coordinators who were given a briefing about their responsibilities on the day.

Clean Up Australia Day -Sunday 7 March:

On 7 March, Council registered sites were visited in the Sarina and Mackay areas.

Thank-you morning tea:

A thank-you morning tea with the Mayor was organised for the site supervisors of the council registered Clean Up Australia Day sites.

Summary of Clean Up Australia Day 2010
Points for consideration and improvement:

Double up of sites

The Clean Up Australia day website was very helpful in identifying the doubling up of registered sites. I was able to advise Clean up Australia day of doubles up and they were able to remove some of the double ups.
There appeared to be confusion with the different clean up days with a business registering for Business Clean Up Day (BCUD) on the Community Clean Up Day (CUAD). This went unnoticed and resulted in some doubling up of registered sites. This problem was communicated to Clean up Australia Day via a survey at the completion of the event.

Contact Your Local Council

Individuals and groups who registered directly online are required to get in contact with their local council to request help with or notify council of their intended rubbish removal.
Mackay Regional Council was forced to contact some individuals / groups who registered directly online with Clean Up Australia Day to find out what they intended to do with their rubbish. Some individuals / groups failed to advise council and expected they could just leave rubbish for collection by council or take it to their local transfer station free of charge without having prior permission. This problem was communicated to Clean Up Australia Day during planning and efforts were made to advise registerers of their responsibilities to council.

Mackay REGIONAL COUNCIL

Minutes

MACKAY PUBLIC AND COMMUNITY TRANSPORT ACTION ADVISORY COMMITTEE

Monday, 29 March 2010 at 1.30pm in the Reception Room

Attendance: Chair – Cr Karen May, Cr Di Hatfield, Kerrie Elliot, Lauriann Trevy, Gerard Carlyon and Jodie Pietzner.

Apologies: **Nil.**

Meeting Opened: 1.30pm.

ITEMS	ACTION / COMMENTS
1. Previous Committee Minutes	Cr Karen May advised she is the new chair of the committee due to the portfolio change with Cr George Christensen.
- **Wests Rugby League Club Cowboys Football Game**	Cr Di Hatfield gave members a run down on the transport system used at the recent Wests Rugby League Club Cowboys Football game and advised the buses worked really well. The issue was raised that if there had been no buses, car parking could have been an issue. As a first in Mackay, this system worked really well with minimum changes required to be implemented including less buses at the end of the game. Patrons who didn't use the service would have seen it working well and the system may attract more patrons next time. There were some differences between this game and another event's transport system being the game was held on a Friday instead of a Saturday night. In relation to the ticketing costs, Queensland Transport subsidised $2.50 of each ticket, Mackay Regional Council gave a discount on the ticket fees at MECC to Wests, but members agreed the cost of the public transport needs to be added onto the ticket price not included in. Kerrie Elliot advised there were a couple of complaints including a gentleman fell into a drain, pedestrians sharing access of the road with car users and one house on the closed road wasn't aware it was being closed for the event. Members agreed to send Reagon Forsyth from Mackay Transit Coaches a letter of thanks for his support on this project. Cr Di Hatfield to draft a response to Carolyn Craig congratulating her on her hard work on this project.
- **Bus Stop in Paget Area**	Kerrie Elliot advised she has discussed the bus stop with the Brisbane branch of Queensland Transport and they agree there is one required in the Paget area based on travel to work statistics census data. Funding is the issue for the extra service and to do a survey to find out the best way to run the new service. Gerard Carlyon advised Council may be able to assist in distributing the survey.

Mackay REGIONAL COUNCIL

ITEMS	ACTION / COMMENTS
	Action: Kerrie Elliot to email members the draft survey for their comment.
2. Facilitation of formal discussions with QTMD and Tim Mulherin re: public transport issues.	Cr Di Hatfield advised that she would like to facilitate formal discussions with Tim Mulherin regarding public transport after the interest created from the football match. Action – Cr Di Hatfield to organise a meeting with herself, Tim Mulherin, Gerard Carlyon, Cr Karen May and Kerrie Elliot.
2. Sarina Bus Service Community Consultation	Jodie Pietzner advised she has finished the community consultation regarding the Sarina Beaches Community Bus. Approximately 30 people participated in the consultation. Members agreed to change the drop off location to Canelands but due to extra costs that would be incurred to add an additional drop off to Mt Pleasant agreed that users can catch a MTC bus to this location. Action – Kerrie Elliot and Jodie Pietzner to determine best time to drop off and pick up at Canelands to ensure it doesn't clash with current bus operators.
3. Correspondence – Email from Eunice Donovan regarding Transport Issues.	Kerrie advised the following in relation to point one – - Kerrie requires more information in relation to the bus services not running on time so she can follow this up further. - In relation to the timetable being hard to read due to small writing, the timetable can be downloaded from the QConnect website on the internet which is in much larger writing. The timetables will soon be displayed at bus stops once a policy has been adopted by Queensland Transport which is currently being approved. The timetables are the same across the State. - There is a wheelchair accessible bus on every route, however, this may only run once on each route during the day. Kerrie advised the public can contact Reagon a couple of days in advance and he can try and get a wheelchair accessible bus to run at the time the patron requires. In relation to point two – - An audit has been conducted on the bus stops and no issue was raised in relation to poor visibility. Council decides the aesthetics in relation to the bus stops. There is currently an upgrade program Council is working on to upgrade many of the shelters across the region. In relation to the community based transport enquiry, Cr Karen May advised Whitsunday Transport does pick up patrons in Midge Point and takes them to Proserpine. Lauriann Trevy advised HACC used to provide a service to Calen but it wasn't well utilised. Kerrie Elliot advised she is happy to attend the next Health Ageing Reference Group meeting to discuss transport matters further if required.

DRAFT

Mackay REGIONAL COUNCIL

ITEMS	ACTION / COMMENTS
4. Next Meeting	The next meeting is scheduled to be held on Monday, 31 May 2010 at 1.30pm.

Meeting closed: 3.15pm.
Recorded by: Jodie Pietzner
Community Projects Officer

DRAFT

Mackay REGIONAL COUNCIL

-----Original Message-----
From: Eunice Donovan
Sent: Tuesday, 5 January 2010 2:59 PM
To: Jodie Pietzner
Cc: Ruth Sargent; Carmel Daveson (carmel@wackado.com.au); Claire Torkington (claire.torkington@lendlease.com.au); Colleen Gunning (Colleen_Gunning@health.qld.gov.au); Jill Mackay; Lauriann Trevy (Lauriann_Trevy@health.qld.gov.au); Lynn Howland; Mary Novikov (gnovikov@bigpond.net.au); Rae Halpin; Anna-Maree Coco; Eunice Donovan; Helen Stanton
Subject: Transport matters

Hi Jodie

Further to our conversation, here is a brief outline of various transport-related matters raised at meetings of Council's Healthy Ageing Reference Group during 2009. I would appreciate you taking this to the *Mackay Public and Transport Action Advisory Committee* (PACTAAC) for information, and any feedback and/or response.

1. Public transport i.e. bus services:
- Existing bus services don't seem to run on time - a number of people have reported missing buses because they have come earlier than advertised, or alternatively people have given up waiting for late-coming services.
- The current MTC time-table is incredibly difficult to interpret - it needs to be made available with bigger print, and in a folder format of a-page-per-route so that people can more easily identify the appropriate route and time of service.
- There are very few buses with easy access for people with poor mobility, or those who use walking aids.

2. Bus shelters and bus-stops:
- Often have poor visibility both for people waiting for a bus, and for the bus-drivers to see whether anyone is waiting.
- Often have no shelter at all from sun, rain, etc.
- Often have no signage indicating service-times or route

NB The Group did receive a presentation from Council staff, Wayne Amos and John Kelleher, about the bus-shelter maintenance and upgrade program, which was greatly appreciated.

3. Community-based transport:
- Individuals and community groups in Seaforth, Calen, and Midge Point have raised concerns about the transport barriers for older residents in those respective areas. While all acknowledge that a commercial transport-provider is unlikely to offer a viable response, these communities are very interested in pursuing "community-based transport" responses within a Council-wide framework.

Jodie, I can provide further detail on these issues if you need it. Otherwise, I will await any response from the PACTAAC that might be made.

Kind regards

Eunice

Eunice Donovan | Community Development Officer | Community Development | **Mackay Regional Council**
Ph: 074961 9469 | Fax: 07 4944 2421 | eunice.donovan@mackay.qld.gov.au | www.mackay.qld.gov.au

Mackay REGIONAL COUNCIL

Minutes

SUSTAINABLE FUTURES COMMITTEE
Monday 29 March 2010

Attendance: Cr. Karen May, Cr. Deirdre Comerford, Jason Devitt, Jan Kilbourne, Dan McKinlay, Peter Shuttlewood, Sharyn Zoch (secretariat)

Apologies: Cr. George Christensen, Peter Franks, Cr. Greg Thomsen, Stuart Holley, Helen Paulsen, Tim Evans, Peter Cardiff.

Meeting Opens: 10.15am.

ITEMS	REQUESTOR	ACTION / COMMENTS
1. **Solar Presentation from LL Bovis –** **8 March 2010** **Anthony Hall, Kari Allen & Michael Fullelove**		• Tim Evans is currently working on aspects following the presentation. No feedback has been received to date. • Hold for further discussion at next meeting. **Action: Tim Evans to provide feedback to Committee within the next week.**
2. Confirmation of the Minutes of the Last Meeting (22 January 2010)	Standing	• The minutes were confirmed as a true and accurate record of discussions.
3. Business Arising from the Minutes of the Meeting held 22 January 2010		
3.1 Cities for Climate Protection	DM	• Only one Working Group has provided Completion Date Details on the CCP Action List. **Action: Sharyn is to resend CCP Action List to Working Groups Chairs to address actions and provide completion date along with budget submissions.** **Action List will be circulated to Peak Committee once more comments are received.**
3.2 Tariff and CAC Exemptions	PS	• Peter Shuttlewood has been reviewing the costs spreadsheet with Michael Fullelove. Currently have identified savings of $117,000. More information has been requested from Ergon for the accounts with higher potential savings, with a possible saving of $188,000.

Mackay REGIONAL COUNCIL

ITEMS	REQUESTOR	ACTION / COMMENTS
3.3 Capture of Sustainable Savings	DM	• Dan McKinlay, Cr Karen May & Cr Darryl Camilleri met to discuss ways which MRC can capture any sustainable savings. • Dan is currently working on a table to incorporate into the 2010/2011 budget to reflect savings. • Lisa Kermode has information of what other Councils are doing to capture savings. Peak Committee to receive copy of information.
3.4 Eco Expo Mackay 2010	GC	• Cr Christensen and Cr May attended sub-committee meeting to see how it was progressing. • Tim Evans has not received any nominations from Working Groups for a representative to join. • Expo will be held on 6 June at Queens Park. • Sub-Committee is to record minutes and include in the Peak Committee agenda. **Action: Tim Evans and Cr Christensen to progress this sub-committee.**
3.5 Mackay Solar Options Update	TE	• Tim Evans absent from Meeting. **Action: Tim to forward update to Peak Committee members.**
3.6 Planet Footprint Update	TE	• Tim Evans absent from Meeting. **Action: Tim to forward update to Peak Committee members.**
3.7 Paget Depot Update	TE	• Tim Evans absent from Meeting. **Action: Tim to forward update to Peak Committee members.**
3.8 Fuel Efficiency using E10	PS	• Peter Shuttlewood informed committee that you cannot prove the difference in fuel efficiency consumption when using E10 and regular unleaded as it comes down to driver behaviour. • Driver behaviour is being addressed by the Fleet Safety Committee – *"Better Driver Uses Less Fuel"*. • Peter is currently testing the use of window shields to see how that could affect fuel consumption e.g. not needing to use the air conditioning at full

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		capacity to cool down vehicle. This also has the extra benefit of not fading the interior. • Nebo Road and Beaconsfield Service Stations are recording good use of E10. • There have been several queries since switching to E10, but have only received one complaint when employee put in the wrong fuel, and had to pay the cost himself.
3.9 Recycling Bin options	TE	• **Action:** Tim Evans and Adrian Miles to investigate options and come back to Committee with a standardised plan of how we can reduce what we are sending to landfill for the Administration Building. • Once approved, the action is to be published in the Grapevine.
3.10 Working Groups Budget Submission		• There is an allocation of $100,000 placed into the budget for sustainability initiatives and the Carbon Scheme also has $100,000. • There was minimal response from Working Groups with possible budget submissions. • Priority will be given to the projects that can achieve savings. • The Cities for Climate Protection Action List will also be reviewed once Working Groups have completed the Action List to see if there are any projects that require a budget submission. **Action: SFAC members to forward any further budget submissions through to Sharyn.**
4. Working Groups		
4.1 Carbon Pollution Reduction Technical Reference Group	JD	• Author of National Greenhouse and Energy Report will be coming to brief Council on 14 April. Staff will then hold a briefing session to discuss. • Stage 1 has been completed of the Carbon Audit. Approval letter has been sent to Consultant LGIS to proceed with Stage 2 of the Carbon Audit.
4.2 Built Environment Working Group	TE	• Tim Evans absent from Meeting. • Minutes from 19 January & 11 March were reviewed. • Aerated tap nozzles to be discussed at next

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		meeting. • Discussion followed regarding the GREEN Site and the paper competition to 'Reduce your Paper Usage'. Statistics / Graphs have been included which show each Departments usage of paper and the target to reach. **Action: Dan to address paper usage at SLT and compose email to Management to direct them to review the Green site in order to be mindful of the amount of paper used and distribute message to staff.** Committee would like Tim Evans to focus on sustainability and drive initiatives.
4.3 Plant, Fleet and Procurement Working Group	PS	• Site visit was arranged at Michelin Tyres to look at the tyre retread machine for large machinery. Used tyres are being recycled into play equipment. • E10 promotion is going well. Bucasia service station still reluctant to stock E10. • Currently redrafting Purchasing Policy to include sustainability in accordance with Local Government Act 2009. • Sustainable Fleet Policy is being finalised now feedback has been received from Managers. **Action: Peter Shuttlewood to forward sustainable sections of the Fleet Policy to SFAC to review.** • Discussions continuing regarding Novated Leases and RemSev. • Removing automatic print option when processing purchase orders to reduce paper usage. • Stores will be introducing barcoding into their system to save paper and staff time. **Action: Cr May would like Peter to look into whether we can capture the paper savings, approx value?**
4.4 Planning Issues Working Group	PC	• Peter Cardiff absent from meeting. • Minutes from 26 February were reviewed. **Action: Peter to give an update on the Tenders for the Climate Change Adaption and Mitigation Strategy prior to next meeting.** Ouswatta Perera is Robyn Birkett's replacement as the Stormwater Infrastructure Planner. **Action: Peter to inform whether the Stormwater**

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		Committee will recommence, as it has not convened for approx 2 years. Cr May has expressed that she would like to be involved on the Planning Issues Working Group.
4.5 Transport Working Group	SH	• Stuart Holley absent from meeting. • Minutes from 21 January were reviewed. • The transport survey revealed that there have been a few issues identified regarding car pooling with people wanting to do things after work. • 10,000 steps was launched on 28 March with a large turnout of approx 300 people. Some walkers even continued onto Sandfly Creek.
4.6 Natural Environment Working Group	HP	• Helen Paulsen absent from meeting. • Minutes from 15 February were reviewed. • Working Group will be planning for the 2011 International Year of Forests. **Action: Helen Paulsen to provide feedback on electricians report on time relay switches in public conveniences.** **Update on whether Manager Maintenance has been informed of the responsibility of maintaining the gross pollutant traps at the Botanic Gardens.** **Update on whether MRC nominated any entries for Tidy Towns. Applications closed on 26 March.** • Committee has been informed that Helen takes the minutes for the Natural Environment Working Group. Committee would like to see a secretariat appointed to this Working Group. **Action: Dan to liaise with Helen to appoint secretariat.**
5. New Business		
5.1 Climate Smart Sustainability Awards	DM	• Nominations have closed for the Climatesmart Sustainability Awards, however it was discussed that MRC was not ready this year to nominate, but will look into next year.
5.2 Commonwealth Solar Flagship Program	DM	• First Round of funding closed on 15 February. • Committee will keep a look out for further funding opportunities.

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5.3 Earth Hour	HP	• Earth Hour was held on Saturday 27 March 8:30-9:30pm. Not aware if any Mackay residences or businesses participated.
6. General Business		
6.1 Mackay Sugar Co-Generation Project	DM	• Included for information purposes only.
6.2 Mackay Tourism Awards		• The Sarina Sugar Shed won the Tourist Attraction Award with the runner-up being the Mackay Regional Botanic Gardens.
6.3 Cr Karen May		• The SFAC would like to thank Cr May for all the time and effort she has contributed over the last year to progress the Committee in achieving sustainable initiatives. • Cr May has enjoyed working with the Committee, and will continue to work along with the Working Groups.
7. Next Meeting	Standing	• Monday 10 May 2010 2:00pm.

Meeting Closed: 11.15am
Recorded by: Sharyn Zoch
Executive Assistant Corporate Services

APPENDIX / ATTACHMENTS