



SECTION 15

Minutes of Committees

For the Ordinary Meeting of Council

20 September 2018

Item 15.1 – TAC Minutes 10 September 2018 (Yellow)

TECHNICAL ADVISORY COMMITTEE

MINUTES

10 September 2018

(REF: D2018/11720 (TAC) – D2018/12227)

A meeting of the Technical Advisory Committee was held at the EMRC Administration Office, 1st Floor, 226 Great Eastern Highway, BELMONT WA 6104 on **Monday, 10 September 2018**. The meeting commenced at **3:00pm**.

TABLE OF CONTENTS

1	DECLARATION OF OPENING AND ANNOUNCEMENT OF VISITORS	1
2	ATTENDANCE, APOLOGIES AND LEAVE OF ABSENCE (PREVIOUSLY APPROVED)	1
3	DISCLOSURE OF INTERESTS	1
4	ANNOUNCEMENTS BY THE CHAIRMAN OR PRESIDING MEMBER WITHOUT DISCUSSION	1
5	PETITIONS, DEPUTATIONS AND PRESENTATIONS	
6	CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS	2
	6.1 <i>MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 9 AUGUST 2018 (Ref: D2018/09692)</i>	2
7	QUESTIONS BY MEMBERS OF WHICH DUE NOTICE HAS BEEN GIVEN	2
8	QUESTIONS BY MEMBERS WITHOUT NOTICE	2
9	ANNOUNCEMENT OF CONFIDENTIAL MATTERS FOR WHICH MEETINGS MAY BE CLOSED TO THE PUBLIC	2
10	BUSINESS NOT DEALT WITH FROM A PREVIOUS MEETING	2
11	REPORTS OF EMPLOYEES	3
	11.1 <i>TENDER 2017-003 – CONSTRUCTION OF LEACHATE PONDS AT THE RED HILL WASTE MANAGEMENT FACILITY (Ref: D2018/12438)</i>	3
	11.2 <i>TENDER 2018-04 – THE PROVISION OF LABORATORY ANALYTICAL SERVICES (Ref: D2018/12439)</i>	7
	11.3 <i>TENDER 2018-001 – EQUIPMENT HIRE (D2018/12440)</i>	16
	11.4 <i>ITEMS CONTAINED IN THE INFORMATION BULLETIN (Ref: D2018/11847)</i>	21
12	REPORTS OF DELEGATES	22
13	NEW BUSINESS OF AN URGENT NATURE APPROVED BY THE CHAIRMAN OR PRESIDING MEMBER OR BY DECISION OF MEETING	22
14	CONFIDENTIAL MATTERS FOR WHICH THE MEETING MAY BE CLOSED TO THE PUBLIC	22
15	FUTURE MEETINGS OF THE TECHNICAL ADVISORY COMMITTEE	22
16	DECLARATION OF CLOSURE OF MEETING	22



1 DECLARATION OF OPENING AND ANNOUNCEMENT OF VISITORS

The Chief Executive Officer opened the meeting at 3:00pm.

2 ATTENDANCE, APOLOGIES AND LEAVE OF ABSENCE (PREVIOUSLY APPROVED)

Committee Members

Mr Simon Stewert-Dawkins	Director Operational Services	Town of Bassendean
Mr Doug Pearson	Director Technical Services	City of Bayswater
Mr Jim Polinelli	Acting Director Technical Services	City of Belmont
Mr Brett Jackson	Director Asset Services	City of Kalamunda
Mr Shane Purdy (<i>from 3:04pm</i>)	Director Infrastructure Services	Shire of Mundaring
Mr Colin Pumphrey (Deputising for Mr Coten)	Executive Manager Operations	City of Swan
Mr Peter Schneider	Chief Executive Officer	EMRC

Apologies

Mr Ric Lutey	Director Technical Services	City of Belmont
Mr Jim Coten	Executive Manager Operations	City of Swan

EMRC Officers

Mr Stephen Fitzpatrick	Director Waste Services
Mr Hua Jer Liew	Director Corporate Services
Mr Stephen Conway	Manager Engineering & Waste Services
Ms Annette Rakich	Administration Officer (Minutes)

The Chief Executive Officer advised that as the Chairman is on leave and the Deputy Chairman resigned on 27 July 2018, in accordance with section 3.3 of the EMRC Standing Orders and section 5.6(3) of the *Local Government Act 1995*, members are to choose someone present to preside at the meeting.

The Chief Executive Officer called for nominations for the appointment of a member to preside at the meeting.

Mr Pearson nominated Mr Stewert-Dawkins. Mr Stewert-Dawkins accepted the nomination and assumed the role of the Presiding Member at 3:04pm.

Mr Purdy entered the meeting at 3:04pm

3 DISCLOSURE OF INTERESTS

Nil

4 ANNOUNCEMENTS BY THE CHAIRMAN OR PRESIDING MEMBER WITHOUT DISCUSSION

Nil

5 PETITIONS, DEPUTATIONS AND PRESENTATIONS

Nil



6 CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS

6.1 MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 9 AUGUST 2018

That the Minutes of the Technical Advisory Committee meeting held on 9 August 2018 which have been distributed, be confirmed.

TAC RESOLUTION(S)

MOVED MR PURDY

SECONDED MR PEARSON

THAT THE MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 9 AUGUST 2018 WHICH HAVE BEEN DISTRIBUTED, BE CONFIRMED.

CARRIED UNANIMOUSLY

7 QUESTIONS BY MEMBERS OF WHICH DUE NOTICE HAS BEEN GIVEN

Nil

8 QUESTIONS BY MEMBERS WITHOUT NOTICE

Nil

9 ANNOUNCEMENT OF CONFIDENTIAL MATTERS FOR WHICH MEETINGS MAY BE CLOSED TO THE PUBLIC

Nil

10 BUSINESS NOT DEALT WITH FROM A PREVIOUS MEETING

Nil



11 REPORTS OF EMPLOYEES

11.1 TENDER 2017-003 – CONSTRUCTION OF LEACHATE PONDS AT THE RED HILL WASTE MANAGEMENT FACILITY

REFERENCE: D2018/11719 (TAC) – D2018/12438

PURPOSE OF REPORT

The purpose of this report is to seek Council's approval to vary the specification of the contract and the resultant cost variation between the EMRC and WBHO Infrastructure Pty Ltd for Tender 2017-003 for the Construction of Leachate Ponds at the Red Hill Waste Management Facility.

KEY ISSUES AND RECOMMENDATION(S)

- A tender for the Construction of Leachate Ponds at the Red Hill Waste Management Facility was awarded to WBHO Infrastructure Pty Ltd for \$2,114,513.22 (ex GST) in December 2017.
- Construction of the leachate ponds commenced in February 2018 however due to heavy winter rainfall, it became necessary to suspend the contract pending favourable weather conditions.
- Approval is now sought to deepen the leachate storage pond increasing its capacity by 21,660m³ to cope with additional leachate generated and enable the prompt emptying and recommissioning of the class IV cell.
- The necessary contract variation for this work is estimated at \$137,435.69 (ex GST) but does not change the scope of the contract.

Recommendation(s)

That Council authorise the CEO to approve a change to the contract specification for additional works on site to increase the capacity of the leachate storage pond at the Red Hill Waste Management Facility by 21,660m³ at an estimated contract variation cost of \$137,435.69 (ex GST) as agreed between the EMRC and WBHO Infrastructure Pty Ltd.

SOURCE OF REPORT

Director Waste Services

BACKGROUND

The leachate ponds at the Red Hill Waste Management Facility rely on recirculation of leachate in landfill and evaporation to reduce the levels over summer, to allow for the leachate generated in winter to be stored.



Item 11.1 continued

At its 7 December 2017 meeting Council resolved (Ref: D2018/00185):

“THAT COUNCIL:

1. *AWARD TENDER NUMBER 2017-003 CONSTRUCTION OF LEACHATE PONDS AT RED HILL WASTE MANAGEMENT FACILITY TO WBHO INFRASTRUCTURE PTY LTD FOR \$2,114,513.22 (EX. GST).*
2. *AUTHORISE THE CEO TO ENTER INTO A CONTRACT, ON BEHALF OF THE EMRC, WITH WBHO INFRASTRUCTURE PTY LTD IN ACCORDANCE WITH THEIR SUBMITTED TENDER, SUBJECT TO ANY MINOR VARIATIONS THAT MAY BE AGREED ON BETWEEN THE CEO AND WBHO INFRASTRUCTURE PTY LTD.*
3. *AUTHORISE A 10% CONTINGENCY ON THE CONTRACT SUM FOR ANY CONTRACT VARIATIONS TO TENDER 2017-003 – CONSTRUCTION OF LEACHATE PONDS AT RED HILL WASTE MANAGEMENT FACILITY.”*

At its 24 May 2018 meeting Council was advised that due to the contractor encountering more rock than expected during the pond excavation, the EMRC had to use most of the contingency allowance previously approved. Council resolved to authorise an additional 10% contingency allowance for any further contract variations as follows (Ref: D2018/08066):

“THAT COUNCIL AUTHORISE A FURTHER 10% CONTINGENCY OF \$211,451.32 (EX GST) ON THE CONTRACT SUM FOR ANY CONTRACT VARIATIONS TO TENDER 2017-003 – CONSTRUCTION OF LEACHATE PONDS AT RED HILL WASTE MANAGEMENT FACILITY FOR ANY VARIATIONS THAT MAY BE AGREED ON BETWEEN THE CEO AND WBHO INFRASTRUCTURE PTY LTD.”

REPORT

Construction of the leachate evaporation ponds at the Red Hill Waste Management Facility by WBHO Infrastructure Pty Ltd (WBHO) commenced in February 2018 with the removal of lateritic caprock and clay.

At the time of the contract award in December 2017, it was envisaged that the pond construction would be completed by the start of winter 2018. This was not achieved due to delays with rock removal and the excavation of the ponds. The EMRC chose to suspend the works in late June and then demobilise the contractor from site as they were unable to complete the lining works to the ponds as a result of heavy rainfall. In order for WBHO to recommence the construction and complete the works they need an extended period of fine weather.

The leachate pond was designed to become the site’s main leachate storage facility and to enable the class IV cell leachate to be emptied from the cell over a two (2) year period. However due to the number of enquiries we have received for class IV disposal of recent times together with the very heavy rainfall experienced this winter (467.4mm for 2018 versus 395.6mm average for the previous 23 years), the EMRC project manager has recommended that the capacity of the leachate storage pond be increased by excavating the pond three (3) metres deeper. The extra depth will provide an additional capacity of 21,660m³ which will increase the volume of the leachate storage pond to 58,165m³ with a 0.5 metre freeboard. This will enable site operations to transfer the accumulated leachate in the class IV cell to the new leachate storage pond immediately, to then recommission the class IV cell for acceptance of waste.



Item 11.1 continued

Authorisation is being sought from the Department of Water and Environment Regulation (DWER) to vary the leachate storage pond capacity and an independent engineering assessment has been completed confirming the integrity of the leachate storage pond stability with an extra three (3) metres of depth and an extra 21,660m³ of capacity.

The cost of deepening the leachate pond by three (3) metres is estimated at \$137,435.69 (ex GST). Council approval for this work is requested as this represents a necessary change to the original specification but not the scope of contract awarded to WBHO in December 2017. Whilst it is likely that the contingency allowance previously approved by Council (20% of the contract sum or \$422,902.64 ex GST) may be sufficient to cover the cost of this contract variation, as a precaution an additional contract amount is requested.

Work on the leachate storage ponds is expected to recommence in October 2018 and the contractor expects to complete the project within seven (7) weeks following re-commencement.

STRATEGIC/POLICY IMPLICATIONS

Key Result Area 1 – Environmental Sustainability

- 1.2 To improve regional waste management
- 1.4 To investigate leading edge waste management practices

FINANCIAL IMPLICATIONS

Budget provisions of \$1.549m were made in the adopted 2018/2019 Annual Budget for the Leachate Project and of this amount, \$417,196 is currently uncommitted and can be utilised to fund this contract variation.

SUSTAINABILITY IMPLICATIONS

In order to provide sustainable leachate management.

MEMBER COUNCIL IMPLICATIONS

Member Council	Implication Details
Town of Bassendean	} Nil
City of Bayswater	
City of Belmont	
City of Kalamunda	
Shire of Mundaring	
City of Swan	

ATTACHMENT(S)

Nil

VOTING REQUIREMENT

Simple Majority



Item 11.1 continued

RECOMMENDATION(S)

That Council authorise the CEO to approve a change to the contract specification for additional works on site to increase the capacity of the leachate storage pond at the Red Hill Waste Management Facility by 21,660m³ at an estimated contract variation cost of \$137,435.69 (ex GST) as agreed between the EMRC and WBHO Infrastructure Pty Ltd.

Discussion ensued

The Director Waste Services provided a brief overview of the report and responded to questions from members.

TAC RESOLUTION(S)

MOVED MR PEARSON

SECONDED MR JACKSON

That Council authorise the CEO to approve a change to the contract specification for additional works on site to increase the capacity of the leachate storage pond at the Red Hill Waste Management Facility by 21,660m³ at an estimated contract variation cost of \$137,435.69 (ex GST) as agreed between the EMRC and WBHO Infrastructure Pty Ltd.

CARRIED UNANIMOUSLY

COUNCIL RESOLUTION(S)

MOVED CR

SECONDED CR



11.2 TENDER 2018-04 – THE PROVISION OF LABORATORY ANALYTICAL SERVICES

REFERENCE: D2018/11722 (TAC) – D2018/12439

PURPOSE OF REPORT

The purpose of this report is to award Tender 2018-04 for the Provision of Laboratory Analytical Services and finalise a contract with the preferred tenderer.

KEY ISSUES AND RECOMMENDATION(S)

- Laboratory analytical services are required for the ongoing monitoring and management of operations undertaken by the EMRC at the Red Hill Waste Management Facility and Hazelmere Resource Recovery Park.
- A tender for the supply of laboratory analytical services was advertised on 4 July 2018.
- The tender closed on 2 August 2018 and three submissions were received.
- The tender submissions have been assessed and a preferred tenderer selected.

Recommendation(s)

That Council:

1. Award Tender 2018-04 for Laboratory Analytical Services to Analytical Reference Laboratory (WA) Pty Ltd for a three (3) year period commencing 29 October 2018, with an option to extend for two (2) single years, as per the Schedule of Rates forming the attachment to this report which will be adjusted annually using the Consumer Price Index for Perth at the anniversary of the contract.
2. Authorise the CEO to enter into a contract, on behalf of the EMRC, with Analytical Reference Laboratory (WA) Pty Ltd in accordance with their submitted Tender, subject to any minor variations that may be agreed between the CEO and Analytical Reference Laboratory (WA) Pty Ltd.

SOURCE OF REPORT

Director Waste Services

BACKGROUND

The EMRC requires the ongoing services of a National Association of Testing Authorities accredited analytical laboratory to analyse water samples collected during water monitoring rounds at the Red Hill Waste Management Facility and Hazelmere Resource Recovery Park. Water monitoring is a compliance requirement under Ministerial Conditions for EMRC's operations, and is also required for contaminated sites purposes. A tendering process for the supply of analytical laboratory services has been undertaken to meet these needs, which additionally include quality control purposes for EMRC products and as otherwise required.



Item 11.2 continued

REPORT

Laboratory Analytical Services Tender 2018-04 was publically advertised by the EMRC on 4 July 2018 and remained open until 2 August 2018. The tender is for the provision of laboratory analytical and professional advice services for a period of three (3) years, plus two (2) one (1) year extensions to be exercised at the sole discretion of the EMRC. Tender specification requirements include:

- Analysis of groundwater, surface water and leachate samples from the Red Hill Waste Management Facility and surrounds;
- Analysis of groundwater and surface water samples from the Hazelmere Resource Recovery Park;
- Analysis of additional water samples, as required;
- Analysis of soil samples, as required;
- Analysis of wood fines/chips;
- Analysis of dust filters;
- Analysis of product from the wood waste to energy (WWTE) plant (biochar, syngas, stack gases and liquid effluent) as required;
- Other laboratory services, as requested;
- Reporting; and
- Provision of quality customer service professional advice.

Tenders were assessed against six compliance criteria which were scored on a Yes/No basis as to whether the criterion was satisfactorily met. An assessment of “No” against any criterion may have eliminated the Tender from consideration.

Qualitative assessment criteria included:

- Provision of excellent customer service and professional support;
- Provision of quality controlled / quality assured results;
- Provision of reports suitable to the needs of the EMRC within the agreed time period; and
- Tendered price.

Three (3) compliant submissions were received as follows:

- Analytical Reference Laboratory (WA) Pty Ltd;
- Australian Laboratory Services Pty Ltd; and
- ChemCentre.

An evaluation panel assessed the three (3) submissions against the following criteria:

Description of Qualitative Criteria	Weighting
(a) Demonstrated experience in completing similar projects/supply similar goods.	15%
(b) Skills and Experience of key personnel.	10%
(c) Tenderers resources.	10%
(d) A demonstrated understanding of the required tasks.	15%



Item 11.2 continued

Price was evaluated using a weighted cost criteria as follows:

Criteria	Weighting
Tendered price	50%

After combining the weighted scores for both the qualitative criteria and price, Analytical Reference Laboratory (WA) Pty Ltd represented the highest rated overall assessment.

Based on the panel's evaluation, the tender from Analytical Reference Laboratory (WA) Pty Ltd demonstrated the most advantageous submission and is considered to offer the best value for money.

STRATEGIC/POLICY IMPLICATIONS

Key Result Area 1 – Environmental Sustainability

- 1.1 To provide sustainable waste disposal operations
- 1.5 To contribute towards improved regional air, water and land quality and regional biodiversity conservation

FINANCIAL IMPLICATIONS

The cost of laboratory analytical services is provided for in the 2018/2019 Annual Budget. Based on the tendered schedule of rates, the estimated value of the contract over a five (5) year period is \$1,135,000.00.

SUSTAINABILITY IMPLICATIONS

The EMRC will have the ability to maintain compliance with its groundwater monitoring requirements under Ministerial Conditions, as well as site assessment, monitoring and management under the Contaminated Sites Act 2003.

MEMBER COUNCIL IMPLICATIONS

Member Council

Town of Bassendean
City of Bayswater
City of Belmont
City of Kalamunda
Shire of Mundaring
City of Swan

Implication Details

The EMRC provides various water monitoring and site investigation services to its member Councils from time to time for which this tender will provide high quality, value for money laboratory analysis which is expected to result in positive financial and quality outcomes for member Councils.

ATTACHMENT(S)

Schedule of Rates (Ref: D2018/12420)



Item 11.2 continued

VOTING REQUIREMENT

Simple Majority

RECOMMENDATION(S)

That Council:

1. Award Tender 2018-04 for Laboratory Analytical Services to Analytical Reference Laboratory (WA) Pty Ltd for a three (3) year period commencing 29 October 2018, with an option to extend for two (2) single years, as per the Schedule of Rates forming the attachment to this report which will be adjusted annually using the Consumer Price Index for Perth at the anniversary of the contract.
2. Authorise the CEO to enter into a contract, on behalf of the EMRC, with Analytical Reference Laboratory (WA) Pty Ltd in accordance with their submitted Tender, subject to any minor variations that may be agreed between the CEO and Analytical Reference Laboratory (WA) Pty Ltd.

Discussion ensued

The Director Waste Services provided a brief overview of the report and responded to questions from members.

TAC RECOMMENDATION(S)

MOVED MR PUMPHREY

SECONDED MR PURDY

That Council:

1. Award Tender 2018-04 for Laboratory Analytical Services to Analytical Reference Laboratory (WA) Pty Ltd for a three (3) year period commencing 29 October 2018, with an option to extend for two (2) single years, as per the Schedule of Rates forming the attachment to this report which will be adjusted annually using the Consumer Price Index for Perth at the anniversary of the contract.
2. Authorise the CEO to enter into a contract, on behalf of the EMRC, with Analytical Reference Laboratory (WA) Pty Ltd in accordance with their submitted Tender, subject to any minor variations that may be agreed between the CEO and Analytical Reference Laboratory (WA) Pty Ltd.

CARRIED UNANIMOUSLY

COUNCIL RESOLUTION(S)

MOVED CR

SECONDED CR

Analytes	LOR (mg/L)	ARL LOR (mg/L)	Unit Cost per sample - if done individually (ex GST)																		
Inorganic																					
pH	0.1	0.1	\$3.50																		
Electrical Conductivity	2 uS/cm	1 uS/cm	\$3.50																		
Hardness total	1	5 mg CaCO3/L	No Charge if Ca and Mg done																		
Total Dissolved Solids	10	5	\$9.00																		
Suspended solids	1	5	\$9.00																		
Biochemical Oxygen Demand	5	5	\$25.00																		
Chloride	1	5	\$7.00																		
Sulphate	1	1	\$7.00																		
Nutrients																					
Total nitrogen	0.02	0.2	\$55.00																		
Nitrate	0.01	0.01																			
Nitrite	0.01	0.01																			
Ammonia	0.02	0.02																			
Total Phosphorus	0.01	0.01																			
Reactive phosphorus	0.01	0.01																			
Dissolved metals- setup fee then a per metal charge																					
Potassium	0.1	0.1	\$8 Set Up, \$2 per metal																		
Sodium	0.1	0.1																			
Magnesium	0.1	0.1																			
Calcium	0.1	0.1																			
Aluminium	0.005	0.01																			
Arsenic	0.001	0.001																			
Cadmium	0.0001	0.0001																			
Chromium	0.001	0.001																			
Copper	0.0001	0.001																			
Iron	0.005	0.005																			
Lead	0.0001	0.001																			
Manganese	0.001	0.001																			
Nickel	0.001	0.001																			
Zinc	0.005	0.005																			
Mercury	0.0001	0.0001																			
Total cyanide	0.005	0.005		\$22.00																	
Organic	LOR (ug/L)																				
PAHs																					
Naphthalene	1	0.1	\$40.00																		
Acenaphthene	1	0.1																			
Anthracene	1	0.1																			
Fluoranthene	1	0.1																			
Pyrene	1	0.1																			
Benzo[a]pyrene	1	0.1																			
Organochlorine Pesticides																					
Chlordane (a and b)	0.01	0.001	\$55.00																		
Chlordane-trans (b)	0.01	0.001																			
Oxychlordane	0.01	0.001																			
Lindane (Gamma BHC)	0.01	0.001																			
Heptachlor	0.01	0.001																			
Heptachlor-epoxide	0.01	0.001																			
pp, and o,p-DDT	0.01	0.002																			
p,p-DDD	0.01	0.001																			
p,p-DDE	0.01	0.001																			
Aldrin	0.01	0.001																			
Dieldrin	0.01	0.001																			
Hexachlorobenzene	0.01	0.001																			
Organophosphate Pesticides																					
Chlorpyrifos	0.01	0.005	\$90.00																		
Diazinon	0.01	0.01																			
Maldison/Malathion	0.01	0.01																			
Parathion- (Ethyl)	0.01	0.005																			
Demeton-S-methyl	0.05	0.05																			
Fenamiphos	0.05	0.1																			
Fenthion	0.05	0.2	\$60.00																		
Dimethoate	0.05	0.1																			
Triazine Herbicides																					
atrazine	0.1	0.1																			
prometryn	0.1	0.1																			
terbutryn	0.1	0.1																			
Simazine (triazine)	0.1	0.1	\$75.00																		
molinat (carbamate)	0.1	0.1																			
2,4 D (phenoxy Acids)	2	0.1																			
2,4,5T (phenoxy acids)	2	0.1																			
BTEX																					
Chlorobenzene (BTEX)	1	0.5		\$22.00																	
1,2 DichloroBenzene	1	0.5																			
Benzene	1	0.5																			
Toluene	1	0.5																			
Ethyl benzene	1	0.5																			
m/p Xylene	2	1	\$38.00																		
o Xylene	1	0.5																			
TRH																					
TRH C6-C10	25	20																			
TRH >C10-C16	25	50																			
TRH >C16-C34	100	100																			
TRH >C34-C40	100	100																			

Additional Analysis

**Cost per sample
(ex GST)**

Silica Gel Cleanup	\$7.00
Radionuclides - Gross alpha and beta	\$120.00

PFAS analytes	Water Direct Injection LOR (ug/L)	Water Low Level LOR (ug/L)	Water trace level LOR (ug/L)
PFOA	0.05	0.002	0.0003
PFOS	0.05	0.002	0.0003
PFBA	0.1	0.01	0.002
PFPeA	0.05	0.002	0.0005
PFHxA	0.05	0.002	0.0005
PFHpA	0.05	0.002	0.0005
PFBS	0.05	0.002	0.0005
PFHxS	0.05	0.002	0.0005
6:2 FTS	0.05	0.005	0.001
8:2 FTS	0.05	0.005	0.001
Cost per sample (ex GST)	\$100.00	\$145.00	\$185.00

Soil Analysis

	Analyte grouping/Analyte	LOR mg/kg	ARL LOR mg/kg	Cost per sample (ex GST)
pH	pH Value	0.1	0.1	\$4.50
Metals				
	As	1	5	\$8 Preparation, \$2 per metal
	B	0.5	0.1	
	Ba	0.5	0.1	
	Be	0.5	0.1	
	Cd	0.3	0.1	
	Cr	0.5	1	
	Co	0.5	1	
	Cu	0.5	1	
	Pb	1	1	
	Mn	1	1	
	Ni	0.5	1	
	Zn	2	1	
	Se	3	2	
	V	0.5	1	
	Hg	0.5	0.02	
	Cr (VI)	1	1	\$19.00
	Sulphur (total) -LECO	0.0050%	0.0050%	\$30.00
	Sulphate (water soluble for soil)	5 mg/L	10 mg/kg	\$8.50
CL11	TRH (C6-C40)	20-100	2, 20, 50, 50	\$36.00
	BTEX	0.2-0.5	0.1, 0.1, 0.1, 0.3	
	PAH	0.1-0.2	0.1-0.2	\$38.00
	Phenols	0.5-2.0	0.2-2	\$42.00
OC Pesticides	OC pesticides	0.1-0.2	0.01-0.05	\$40.00
OP Pesticides	OP Pesticides	0.2-1.0	0.1-0.2	
Forms of N & P - NO₂, NO₃, TKN, Ammonia, TP		n/a	1, 1, 10, 10, 1	\$62.00
Chromium Test Suite	SCR (CRS)	0.005%	0.005%	\$52.00
	pH(KCl), TAA	5 mol H+.tonne	5 mol H+.tonne	
	Acid Neutralisation Capacity	0.05% CaCO ₂	0.05% CaCO ₂	
	Additional SHCl/SKCl if pHKCl <4.5 to calculate SNAS	0.01%	0.01%	
	Additional ANCBT if pHox > 6.5, S > 0.03%	0.50%	0.50%	
Cyanide (free) Titration	Cyanide (free) titration	0.5	1	\$22.00
Asbestos in soil	Asbestos Detected	presence/absence	presence/absence	\$52.00

Dust Analysis

Analytes	LOR (ug)	ARL LOR (ug)	Cost per sample (ex GST)
Ag	0.005	0.01	\$10 Preparation Fee, \$4 per metal
As	1	1	
Cd	0.05	0.01	
Cr	0.1	0.1	
Cu	0.1	0.1	
Hg	0.05	0.01	
Ni	0.5	0.5	
Pb	0.5	0.5	
Zn	0.5	0.5	
DustWgt (mg)	0.05	0.05	

Wood Chip Analysis

Lead Only

Analytes	LOR (mg/kg)	ARL LOR (mg/kg)	Cost per sample (ex GST)
Lead	1	1	\$20.00

Metals as per Scope of Services

Analytes	LOR (mg/kg)	ARL LOR (mg/kg)	Cost per sample (ex GST)
Silver	2	1	\$16 preparation fee; \$4 per metal
Arsenic	2	0.1	
Cadmium	0.2	0.1	
Chromium	1	1	
Copper	0.2	1	
Mercury	0.02	0.02	
Nickel	2	1	
Lead	1	1	
Zinc	5	1	

	Cost per sample (ex GST)
Wood Chips - Suite as per 7.5	\$48.00
Wood Dust - Suite as per 7.5	\$52.00

Professional Service	
Position	Hourly Rate ex GST
Laboratory Technician	\$65.00
Senior Technician	\$75.00
Environmental Chemist	\$85.00
Manager	\$115.00



11.3 TENDER 2018-001 – EQUIPMENT HIRE

REFERENCE: D2018/11765 (TAC) – D2018/12440

PURPOSE OF REPORT

The purpose of this report is to award Tender 2018-001 for the Hire of Equipment and finalise a contract with the preferred tenderer.

KEY ISSUES AND RECOMMENDATION(S)

- The EMRC needs to supplement its own plant and replace those which may become unavailable due to breakdown or servicing and it does this through the hire of equipment from a tender panel, the contract term for which is due to expire soon.
- A tender for Equipment Hire was advertised on 20 June 2018.
- The tender provided for the hire of sixteen different pieces of plant.
- Tenders closed on 11 July 2018 with ten submissions being received.
- The tender submissions have been assessed and a preferred tenderer selected.

Recommendation(s)

That Council:

1. Award Tender 2018-01 for Equipment Hire to Allwest Plant Hire Australia Pty Ltd for a three (3) year period commencing on 1 November 2018, with an option of two (2) single year extensions, as per the Schedule of Rates forming the attachment to this report which will be adjusted annually using the Consumer Price Index for Perth at the anniversary of the Contract.
2. Authorise the CEO to enter into a contract, on behalf of the EMRC, with Allwest Plant Hire Australia Pty Ltd in accordance with their submitted tender, subject to any minor variations that may be agreed between the CEO and Allwest Plant Hire Australia Pty Ltd.

SOURCE OF REPORT

Director Waste Services

BACKGROUND

The EMRC has an operational need to supplement its own plant and replace those items that may become unavailable due to breakdown or general servicing or for additional works on site. The EMRC currently has an existing panel for the provision of a range of equipment. These contracts are due to expire and a new contract will be required to ensure that the EMRC can meet short term plant requirements.

REPORT

Tender 2018-001 was advertised on 20 June 2018 seeking prices for the wet and dry hire of a range of equipment. The tender was developed to provide for a large range of plant to provide for operational contingencies and covers all EMRC operations at the Red Hill Waste Management Facility and Hazelmere Resource Recovery Park, as well as Coppin Road Transfer Station and Mathieson Road Transfer Station.



Item 11.3 continued

The ten submissions received were evaluated against compliance criteria, qualitative criteria and price considerations as follows:

Qualitative criteria

Each tenderer was scored against the qualitative criteria. It was essential that tenderers addressed each qualitative criterion. The qualitative assessment was used to select the chosen tenderer. Failure to provide the specified information may result in elimination from the tender evaluation process.

The qualitative criteria for this Request are as follows:

Description of Qualitative Criteria		Weighting
(a)	Tenderer's ability to supply the range of equipment listed in the scope of supply and management of security of supply.	20%
(b)	Demonstrated experience in providing similar services and skills and experience of key personnel.	10%
(c)	Safety Performance and Management.	10%
(d)	Environmental Protection requirements.	10%

Price considerations

The Weighted Cost Criteria are as follows:

Criteria	Weighting
Tendered price.	50%

Of the ten tender submissions received, three (3) were found to be non-compliant and were not considered further. The seven compliant tenders evaluated were:

- Allwest Plant Hire Australia Pty Ltd.
- Coates Hire Operations Pty Ltd.
- Cranewest Pty Ltd T/A Western Tree Recycler.
- Jaycourt Nominees Pty Ltd T/A Barfield Earthmoving.
- JSB Fencing and Machinery Hire Pty Ltd.
- Mayday Earthmoving.
- Sherrin Rentals Pty Ltd.

After combining the weighted scores for both the qualitative criteria and price, Allwest Plant Hire Australia Pty Ltd (Allwest) represented the highest rated overall assessment.

Based on the panel's evaluation, the tender from Allwest demonstrated the most advantageous submission and is considered to offer the best value for money.



Item 11.3 continued

The equipment will be hired at the rates in the attachment. The contract rates are to be adjusted annually at each anniversary of the contract based on the Consumer Price Index for Perth over the previous twelve months and the two (2) single year extension options may be exercised by the CEO subject to satisfactory performance.

The tender evaluation panel noted that Allwest could provide 14 of the 16 items of equipment listed in the Tender. Allwest's inability to supply the two (2) remaining equipment items does not pose a risk to the EMRC as these items have low usage and any requirements can be easily met by issuing a request for quotation process to the market or via the WALGA preferred supplier portal.

STRATEGIC/POLICY IMPLICATIONS

Key Result Area 1 – Environmental Sustainability

- 1.1 To provide sustainable waste disposal operations
- 1.2 To improve regional waste management
- 1.3 To provide resource recovery and recycling solutions in partnership with member Councils
- 1.4 To investigate leading edge waste management practices

Key Result Area 4 – Good Governance

- 4.4 To continue to improve financial and asset management practices

FINANCIAL IMPLICATIONS

The estimated value of the contract over a five (5) year period and is \$1,218,080 and is provided for in the 2018/2019 Annual Budget and 10 Year Financial Plan.

SUSTAINABILITY IMPLICATIONS

Nil

MEMBER COUNCIL IMPLICATIONS

Member Council	Implication Details
Town of Bassendean	} Nil
City of Bayswater	
City of Belmont	
City of Kalamunda	
Shire of Mundaring	
City of Swan	

VOTING REQUIREMENT

Simple Majority



Item 11.3 continued

ATTACHMENT(S)

Schedule of Rates (Ref: D2018/12421)

RECOMMENDATION(S)

That Council:

1. Award Tender 2018-01 for Equipment Hire to Allwest Plant Hire Australia Pty Ltd for a three (3) year period commencing on 1 November 2018, with an option of two (2) single year extensions, as per the Schedule of Rates forming the attachment to this report which will be adjusted annually using the Consumer Price Index for Perth at the anniversary of the Contract.
2. Authorise the CEO to enter into a contract, on behalf of the EMRC, with Allwest Plant Hire Australia Pty Ltd in accordance with their submitted tender, subject to any minor variations that may be agreed between the CEO and Allwest Plant Hire Australia Pty Ltd.

Discussion ensued

The Director Waste Services provided a brief overview of the report and responded to questions from members.

TAC RECOMMENDATION(S)

MOVED MR PEARSON

SECONDED MR PURDY

That Council:

1. Award Tender 2018-01 for Equipment Hire to Allwest Plant Hire Australia Pty Ltd for a three (3) year period commencing on 1 November 2018, with an option of two (2) single year extensions, as per the Schedule of Rates forming the attachment to this report which will be adjusted annually using the Consumer Price Index for Perth at the anniversary of the Contract.
2. Authorise the CEO to enter into a contract, on behalf of the EMRC, with Allwest Plant Hire Australia Pty Ltd in accordance with their submitted tender, subject to any minor variations that may be agreed between the CEO and Allwest Plant Hire Australia Pty Ltd.

CARRIED UNANIMOUSLY

COUNCIL RESOLUTION(S)

MOVED CR

SECONDED CR

Schedule of Rates Provided by Allwest Plant Hire (RFT 2018-001)															
Item No.	Plant Required	Attachment*	Plant Make	Plant Model	Year of Manufacture of Plant	No. of Machines in Fleet	Wet Rental Price 8 Hour Minimum Hire				Dry Rental Price 8 Hour Minimum Hire				COMMENTS
							Mob/Demob (ex GST) (paid once per job only)	Standard Price Tendered 8hr min Per Hour (ex GST)	Weekend Price Tendered 4 hr Min Per Hour (ex GST)	OverTime Price Tendered 4Hr Min Per Hour (ex GST)	Mob/Demob (ex GST) (paid once per job only)	2018 Day/Rate	Price Tendered 8 Hr Min Per Hour (ex GST)		
3.4.3.01	Articulated dump truck – capacity 30 to 40 tonnes	N/A	CAT, Komatsu, Volvo	CAT 740, HM400-2, AF40	2009	12	\$1,150	\$150.00			\$1,150	\$680	\$87.72		
3.4.3.02	Excavator 2 to 5 tonnes	None	Takeuchi	TB016	2012	3	\$460	\$95			\$460	\$230	\$29.67		
3.4.3.03	Excavator 2 to 5 tonnes	Bucket & Grab	Hyundai	55-9	2012 - 2015	9	\$460	\$95			\$460	\$230	\$29.67		
3.4.3.04	Excavator 2 to 5 tonnes	Rock Breaker	Hyundai	55-9	2012 - 2015	9	\$800	\$110			\$800	\$275	\$35.00	Rock Breaker	
3.4.3.05	Excavator 10 to 16 tonnes	None	Volvo, Kobelco, Komatsu, Hyundai	ECR145, SKR135, PC138	2010 - 2014	8	\$800	\$115			\$800	\$310	\$38.75		
3.4.3.06	Excavator 10 to 16 tonnes	Bucket & Grab	Volvo, Kobelco, Komatsu, Hyundai	ECR145, SKR135, PC138	2010 - 2014	8	\$800	\$115			\$800	\$310	\$38.75		
3.4.3.07	Excavator 10 to 16 tonnes	Rock Breaker	Volvo, Kobelco, Komatsu, Hyundai	ECR145, SKR135, PC138	2010 - 2014	8	\$800	\$135			\$800	\$475	\$59.38		
3.4.3.08	Excavator 20 to 30 tonnes	None	Volvo	EC210, EC290	2011 - 2013	6	\$800	\$160			\$800	\$415	\$51.88		
3.4.3.09	Excavator 20 to 30 tonnes	Bucket & Grab	Volvo	EC210, EC290	2011 - 2013	6	\$800	\$160			\$800	\$415	\$51.88		
3.4.3.10	Excavator 20 to 30 tonnes	Rock Breaker	Volvo, Komatsu, Kobelco	EC210	2011 - 2014	6	\$800	\$185.00			\$800	\$550	\$68.75	Rock Breaker	
3.4.3.11	Excavator 30 to 50 tonnes	None	Volvo, Komatsu, Kobelco	EC210	2011 - 2014	11	\$1,150	\$200.00			\$1,150	\$650	\$81.25		
3.4.3.12	Excavator 30 to 50 tonnes	Bucket & Grab	Volvo, Komatsu, Kobelco	EC210	2011 - 2014	11	\$1,150	\$200.00			\$1,150	\$650	\$81.25		
3.4.3.13	Excavator 30 to 50 tonnes	Rock Breaker	Volvo, Komatsu, Kobelco	EC210	2011 - 2014	11	\$1,150	\$245.00			\$1,150	\$810	\$101.25	Rock Breaker	
3.4.3.14	Track Loader 22 to 28 tonnes	N/A					N/A	N/A			N/A	N/A	N/A		
3.4.3.15	Skid Steer Track Loader 500kg to 1 tonne	N/A	Bobcat	S250	2010	1	\$460	\$105			\$460	\$250	\$32.25		
3.4.3.16	Dozer D11 or equivalent (95-110 tonnes operating weight)	N/A					N/A				N/A	N/A	N/A		

Please provide costs for the plant you want to submit prices for, only populate Yellow Highlighted columns.

Notes:
 * prices must be for the plant with the attachment and all attachments must be compatible with their respective plants.
 ** the EMRC offers no guarantee of quantities of the services required.



11.4 ITEMS CONTAINED IN THE INFORMATION BULLETIN

REFERENCE: Ref: D2018/11847

The following item is included in the Information Bulletin, which accompanies the Agenda.

1. WASTE SERVICES

1.1 COUNCIL TONNAGE COMPARISONS AS AT 31 JULY 2018 (Ref: D2018/11845)

RECOMMENDATION

That the Technical Advisory Committee notes the items contained in the Information Bulletin accompanying the 10 September 2018 Technical Advisory Committee Agenda.

TAC RESOLUTION(S)

MOVED MR JACKSON

SECONDED MR PURDY

THAT THE TECHNICAL ADVISORY COMMITTEE NOTES THE ITEMS CONTAINED IN THE INFORMATION BULLETIN ACCOMPANYING THE 10 SEPTEMBER 2018 TECHNICAL ADVISORY COMMITTEE AGENDA.

CARRIED UNANIMOUSLY



12 REPORTS OF DELEGATES

Nil

13 NEW BUSINESS OF AN URGENT NATURE APPROVED BY THE CHAIRMAN OR PRESIDING MEMBER OR BY DECISION OF MEETING

Nil

14 CONFIDENTIAL MATTERS FOR WHICH THE MEETING MAY BE CLOSED TO THE PUBLIC

Nil

15 FUTURE MEETINGS OF THE TECHNICAL ADVISORY COMMITTEE

The next meeting of the Technical Advisory Committee will be held on **Thursday 4 October 2018 (if required)** at the EMRC Administration Office, 1st Floor, Ascot Place, 226 Great Eastern Highway, Belmont WA 6104 commencing at 4:00pm.

Future Meetings 2018

Thursday	4	October	(if required)	at	EMRC Administration Office
Thursday	22	November	(if required)	at	Red Hill Waste Management Facility

16 DECLARATION OF CLOSURE OF MEETING

There being no further business, the Chairman declared the meeting closed at 3:22pm.