

## TECHNICAL ADVISORY COMMITTEE

### MINUTES

13 August 2009

(REF: COMMITTEES-9568)

A meeting of the Technical Advisory Committee was held at the EMRC Administration Office, 1<sup>st</sup> Floor, 226 Great Eastern Highway, BELMONT WA 6104 on **Thursday, 13 August 2009**. The meeting commenced at **3.05pm**.

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## 1 DECLARATION OF OPENING AND ANNOUNCEMENT OF VISITORS

The Chairman opened the meeting at 3.05pm.

## 2 ATTENDANCE, APOLOGIES AND LEAVE OF ABSENCE PREVIOUSLY APPROVED

### Committee Members

Mr Mahesh Singh ( <b>Chairman</b> )	Executive Manager, Engineering Services	Shire of Kalamunda
Mr Doug Pearson	Director Technical Services	City of Bayswater
Ms Christine Devereux (deputising for Mr Stewart-Dawkins)	Manager, Health & Ranger Services	Town of Bassendean
Mr Shane Purdy ( <b>Deputy Chairman</b> ) (from 3.20pm)	Executive Manager, Infrastructure Services	Shire of Mundaring
Mr Jim Coten	Executive Manager, Operational and Development Services	City of Swan
Mr Peter Schneider	Acting Chief Executive Officer	

### Apologies

Mr Simon Stewart-Dawkins	Director Operational Services	Town of Bassendean
Mr Ric Lutey	Director Technical Services	City of Belmont

### EMRC Officers

Mr Adam Johnson	Executive Manager, Waste Management Services
Ms Rhonda Hardy	Executive Manager, Regional Services
Mr Stephen Fitzpatrick	Manager, Project Development
Mr Johan Le Roux	Manager Engineering Waste Services
Ms Bonnie Kinsman	Administration Officer (Minutes)

### EMRC Apologies

Mr Rob Medbury	Manager, Risk Management Service
Mr Brian Bushby	Manager Operations

## 3 DISCLOSURE OF INTERESTS

Nil

## 4 ANNOUNCEMENT BY THE CHAIRMAN OR PERSON PRESIDING WITHOUT DISCUSSION

Nil

## 5 CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS

### 5.1 MINUTES OF TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 11 JUNE 2009

That the Minutes of the Technical Advisory Committee meeting held on 11 June 2009, which have been distributed, be confirmed.

### TAC RESOLUTION(S)

MOVED MR PEARSON                      SECONDED MR COTEN

THAT THE MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 11 JUNE 2009, WHICH HAVE BEEN DISTRIBUTED, BE CONFIRMED.

**CARRIED UNANIMOUSLY**



**6 PRESENTATIONS**

Nil

**7 ANNOUNCEMENT OF CONFIDENTIAL MATTERS FOR WHICH THE MEETING MAY BE CLOSED TO THE PUBLIC**

Nil

**8 BUSINESS NOT DEALT WITH FROM A PREVIOUS MEETING**

Nil



## **9 REPORTS OF OFFICERS**

### **9.1 PROVISION OF ANALYTICAL LABORATORY SERVICES – TENDER 2009/09**

**REFERENCE: COMMITTEES-9708**

#### **PURPOSE OF REPORT**

To advise Council of the results of the tender for the Provision of Analytical Laboratory Services for the EMRC, and recommend acceptance of the tender from ALS Pty Ltd.

#### **KEY ISSUES AND RECOMMENDATION(S)**

- A tender for the provision of analytical laboratory services was advertised in the West Australian newspaper on 23 May 2009.
- Tenders closed on 8 June 2009. Three submissions were received.
- The tender called for the provision of services of laboratory analysis of soil and water samples collected from EMRC waste facilities as part of its environmental operations.

#### **Recommendation(s)**

That:

1. Council award tender number 2009/09 to ALS Pty Ltd for the period 1 September 2009 to 1 September 2011 in accordance with the table of charges in Attachment 1 to this report with an option of two single year extensions, extended by the CEO, subject to satisfactory performance.
2. The contract rates for tender number 2009/09 be adjusted after the first year using the Consumer Price Index for Perth for the March quarter.

#### **SOURCE OF REPORT**

Executive Manager, Waste Management Services  
Engineer, Waste Management Services

#### **BACKGROUND**

The EMRC has ongoing requirements for a contractor to perform laboratory analysis of samples collected from the Red Hill Waste Management Facility and other EMRC sites for the purpose of environmental monitoring. A tender has been developed for these requirements to assist in budgeting.

#### **REPORT**

Tender 2009/09 was advertised on 23 May 2009, and three submissions were received. Tenders were received from:

- Analytical Reference Laboratory (WA);
- ALS Pty Ltd; and
- SGS Australia Pty Ltd.



*Item 9.1 continued*

Tenders were assessed based on the following assessment criteria:

<b>Criterion</b>	<b>Weighting</b>
Provide excellent customer service and professional support	15%
Provide quality assured results	15%
Provide a report suitable to the needs of the EMRC	20%
Tendered price	50%

ALS Pty Ltd scored highest in the experience, ability and reporting criteria, and highest overall. Since ALS Pty Ltd scored highest in the overall ranking it is the preferred tenderer.

### **STRATEGIC/POLICY IMPLICATIONS**

The contract will contribute to Key Result Area 1 of the EMRC Strategic Plan for the Future, specifically Strategy 1.1.2: Minimise the environmental impact of waste management operations, by facilitating the water monitoring program and associated reporting requirements, including the groundwater remediation project.

### **FINANCIAL IMPLICATIONS**

The annual spend on the contract is anticipated to be about \$180,000 (ex GST).

As the contract has a maximum potential period of four years (two years plus two single year extensions, subject to satisfactory performance under the contract), the total contract value is \$720,000 (ex GST). CPI adjustments are in addition to the estimated total contract value, with the method of calculating CPI adjustments provided in the tender documents.

### **SUSTAINABILITY IMPLICATIONS**

The laboratory analysis of samples collected from the Red Hill Waste Management Facility and other EMRC sites for the purpose of environmental monitoring is an important aspect of the EMRC's environmental sustainability. This tender enables the continuation of support for environmental monitoring works.

### **MEMBER COUNCIL IMPLICATIONS**

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



*Item 9.1 continued*

ATTACHMENT(S)

Provision of Analytical Laboratory Services Schedule of Rates (Ref: Committees-9715)

VOTING REQUIREMENT

Simple Majority

**RECOMMENDATION(S)**

That:

1. Council award tender number 2009/09 to ALS Pty Ltd for the period 1 September 2009 to 1 September 2011 in accordance with the table of charges in Attachment 1 to this report with an option of two single year extensions, extended by the CEO, subject to satisfactory performance.
2. The contract rates for tender number 2009/09 be adjusted after the first year using the Consumer Price Index for Perth for the March quarter.

The Executive Manager Waste Management provided a summary of the report.

**TAC RECOMMENDATION(S)**

MOVED MR PEARSON

SECONDED MR COTEN

That:

1. Council award tender number 2009/09 to ALS Pty Ltd for the period 1 September 2009 to 1 September 2011 in accordance with the table of charges in Attachment 1 to this report with an option of two single year extensions, extended by the CEO, subject to satisfactory performance.
2. The contract rates for tender number 2009/09 be adjusted after the first year using the Consumer Price Index for Perth for the March quarter.

**CARRIED UNANIMOUSLY**

**COUNCIL RESOLUTION(S)**

MOVED CR KLEIN

SECONDED CR ZANNINO

THAT:

1. COUNCIL AWARD TENDER NUMBER 2009/09 TO ALS PTY LTD FOR THE PERIOD 1 SEPTEMBER 2009 TO SEPTEMBER 2011 IN ACCORDANCE WITH THE TABLE OF CHARGES IN ATTACHMENT 1 TO THIS REPORT WITH AN OPTION OF TWO SINGLE YEAR EXTENSIONS, EXTENDED BY THE CEO, SUBJECT TO SATISFACTORY PERFORMANCE.
2. THE CONTRACT RATES FOR TENDER NUMBER 2009/09 BE ADJUSTED AFTER THE FIRST YEAR USING THE CONSUMER PRICE INDEX FOR PERTH FOR THE MARCH QUARTER.

**CARRIED UNANIMOUSLY**

ANALYTE	LOR Required	ALS LOR	ALS Method	Price per Sample
<b>Physicals</b>				
pH		0.01 (pH units)	EA005	4.00
Conductivity (µS/cm)		1	EA010	4.00
Hardness Total (mg/L)		1	EA065	10.00
TDS (mg/l)		5	EA015H	10.00
TSS (mg/L)		5	EA025H	10.00
BOD (mg/l)		2	EP030	25.00
<b>Major Ions</b>				
Potassium (mg/l)		1	NT-1	See Suite 1
Sodium (mg/l)		1	NT-1	See Suite 1
Magnesium (mg/l)		1	NT-1	See Suite 1
Calcium (mg/l)		1	NT-1	See Suite 1
Sulphate (mg/l)		1	ED041	10.00
Chloride (mg/l)		1	ED045	7.00
<b>Nutrients</b>				
Total Nitrogen (mg/l)	2	0.1	NT-8	32.00 or See Suite 2
Nitrate (mg/l)	0.7	0.01	NT-8	14.00 or
Nitrite (mg/l)		0.01	NT-8	See Suite 2
Ammonia (mg/l)	0.9	0.01	NT-8	18.00 or See Suite 2
Total Phosphorous (mg/l)	0.2	0.01	NT-8	14.00 or See Suite 2
Orthophosphates (mg/L)		0.01	EK071G	11.00
<b>Metals</b>				
Arsenic (mg/l)	0.013	0.001	W-2	First element: 9.00 Additional: 2.00 or See Suite 3
Cadmium (mg/l)	0.0002	0.0001	W-2	
Chromium (mg/l)	0.01	0.001	W-2	
Copper (mg/l)	0.0014	0.001	W-2	
Lead (mg/l)	0.0034	0.001	W-2	
Mercury (mg/l)	0.0001	0.0001	W-2	10.00 or See Suite 3
Nickel (mg/l)	0.011	0.001	W-2	First element: 9.00 Additional: 2.00 or
Zinc (mg/l)	0.008	0.005	W-2	See Suite 3
Aluminium (mg/l)	0.055	0.01	EG020	9.00 each or 2.00
Iron (mg/l)	1	0.05	EG020	each (additional to
Manganese (mg/l)	1.9	0.001	EG020	suite 3)
Total Cyanide (mg/L)	0.007	0.004	EK026G	22.00
<b>PAHs*</b>				
Naphthalene (µg/l)	16	1	EP075B-SIM	See Suite 4
Acenaphthene (µg/l)		1	EP075B-SIM	See Suite 4
Anthracene (µg/l)		1	EP075B-SIM	See Suite 4
Fluoranthene (µg/l)		1	EP075B-SIM	See Suite 4
Pyrene (µg/l)		1	EP075B-SIM	See Suite 4
Benzo[a] pyrene (µg/l)		0.5	EP075B-SIM	See Suite 4

ANALYTE	LOR Required	ALS LOR	ALS Method	Price per Sample
<b>Organochlorine Pesticides*</b>				
Chlordane (µg/l) *	0.004	0.01/0.002*	EP131A	135.00 or See Suite 5
gamma Chlordane (µg/l)		0.01	EP131A	
Oxychlordane (µg/l)		0.01	EP131A	
Lindane (µg/l)	0.2	0.01	EP131A	
Heptachlor (µg/l)	0.09	0.005	EP131A	
Heptachlor expoxide (µg/l)	0.01	0.01	EP131A	
DDT (µg/l)*	0.0005	0.01/0.002*	EP131A	
DDD (µg/l)	0.014	0.01	EP131A	
DDE (µg/l)		0.01	EP131A	
Aldrin (µg/l)	0.01	0.01	EP131A	
Dieldrin (µg/l)*	0.002	0.01/ 0.002*	EP131A	
HCB (µg/l)		0.01	EP131A	
<b>Organophosphate Pesticides*</b>				
Chlorpyrifos (µg/l)*	0.001	0.005	EP215LL	See Suite 6
Diazinon (µg/l)	0.01	0.005	EP215LL	See Suite 6
Maldison (µg/l) (Malathion)	0.05	0.002	EP215LL	See Suite 6
Dimethoate (µg/l)	0.15	0.1	EP130A	100.00 or See Suite 5
Fenamiphos (µg/l)		0.1	EP130A	
Fenthion (µg/l)		0.1	EP130A	
Parathion (µg/l)	0.004	0.1	EP130A	
Demeton-S-methyl (µg/l)	0.1	0.1	EP130A	
<b>Triazine Herbicides</b>				
Atrazine (µg/l)	13	0.005	EP215LL	See Suite 6
Prometryn (µg/l)		0.005	EP215LL	See Suite 6
Terbutryn (µg/l)		0.005	EP215LL	See Suite 6
<b>PCBS*</b>				
Total PCBs* (µg/l)	0.001	0.1/ 0.05*	EP131B	135.00 or See Suite 5
PCBs by HR-GCMS (µg/l)	0.001	0.000002 – 0.00001	EP301	900.00
<b>BTEX</b>				
Benzene (µg/l)	950	1	EP080	27.00 or See Suite 7
Toluene (µg/l)	300	2	EP080	
Ethyl benzene (µg/l)		2	EP080	
m/p - Xylenes (µg/l)	200	2	EP080	
o-Xylenes (µg/l)	350	2	EP080	
<b>TRH</b>				
TRH C6-C9 (µg/l)		20	EP071/80	27.00 or See Suite 7
TRH C10-C14 (µg/l)		50	EP071/80	27.00 or See Suite 7
TRH C15-C28 (µg/l)		100	EP071/80	
TRH C29-C36 (µg/l)		50	EP071/80	
TRH Split		50-100	EP070	150.00

\* Denotes super ultra trace LOR option available

ANALYTE	LOR Required	ALS LOR	ALS Method	Price per Sample
<b>Others</b>				
Trichloroethene (µg/l)	6500	5	EP074 VOC	30.00 - see Suite 8
Perchloroethylene (tetrachloroethene) (µg/l)	3	5	EP074 VOC	
Chlorobenzene (µg/l)		5	EP074 VOC	
1,2 - Dichloro benzene (µg/l)	180	5	EP074 VOC	
cis Permethrin (µg/l) **		0.5	Reported as Total Permethrin	150.00
trans Permethrin (µg/l) **				
Simazine (µg/l)	3.2	0.005	EP215LL	See Suite 6
Molinate (µg/l)	3.4	0.005	EP215LL	See Suite 6
2, 4-D (µg/l)	280	10	EP202	75.00-See Suite 9
2,4,5-T (µg/l)	36	10	EP202	
<b>Occupational samples</b>	Refer to Attachment 14 – ALS Price List for EMRC (EP/141/09): Tables 14 and 15 – Dusts, High Volume Air Samples, Air & Stack Emissions (page 24 - 25)			
Respirable dust				
Inhalable dust				
Fibre count				
Metals on filter				

\* Denotes super ultra trace LOR option available

\*\* Permethrin is in the final stages of development and submission to NATA and will be pending NATA accreditation. This test may therefore be subcontracted to external laboratories prior to final ALS NATA accreditation being received

#### SUITE PRICING FOR COMBINED ANALYTES:

SUITE NO.	ANALYTES	ALS METHOD CODE/ REFERENCE	PRICE PER SAMPLE (\$)
<b>SUITE 1</b>	Major Cations (Ca, Mg, Na, K)	NT-1	<b>10.00</b>
<b>SUITE 2</b>	Total Nitrogen (including TKN) + NO <sub>2</sub> + NO <sub>3</sub> + NH <sub>3</sub> + Total Phosphorus	NT-8	<b>50.00</b>
<b>SUITE 3</b>	8 Metals by ICPMS (As, Cd, Cu, Cr, Pb, Ni, Zn, Hg)	W2 – ICP/MS, CV/FIMS	<b>26.00</b>
<b>SUITE 4</b>	PAH – Standard Level (16 analytes)	EP075B (SIM) – GC/MS	<b>48.00</b>
<b>SUITE 5</b>	OC/OP Pesticides + PCB – Ultra trace level (42 analytes)	UTO-3W - USEPA 3640/3620 USEPA8081/8082	<b>180.00</b>
<b>SUITE 6</b>	Multiresidue Pesticides – Ultra trace (10 analytes)	EP215LL – LC/MS	<b>165.00</b>
<b>SUITE 7</b>	TPH (C6-C36) + BTEX	W-4 - GC/FID. P&T-GC/MS	<b>45.00</b>
<b>SUITE 8</b>	Volatile Organic Compounds (4 analytes)	EP074 – P&T-GC/MS	<b>30.00</b>
<b>SUITE 9</b>	Herbicides – Standard level (2 analytes)	EP202 – LC/MS	<b>75.00</b>

**ALS offers standard, low, ultra trace and super ultra trace LOR options for most organic compounds**

**4.4.2 PRICING FOR AD HOC ANALYSIS**

For the analysis not covered in 4.4.1 please indicate the discount off the list price that would be provided to the Principle.

<p>The discount off the list price for the given year. Please attach your current price list as "Attachment 14"</p>	<p><b>30%</b> (for any analytes not listed in the EMRC Price list attached)</p>	<p><b>Attachment 14</b> <input checked="" type="checkbox"/> Tick✓if attached</p>
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**4.4.3 PRICING FOR SAMPLE DELIVERY**

<p>Provide the price for the delivery of samples and bottle orders (one esky) between the laboratory and EMRC sites.</p>	<p><b>Red Hill</b> (1094 Toodyay rd Red Hill) PRICE: <b>NIL</b></p>	<p><b>Belmont</b> (226 Great Eastern Hwy Belmont) PRICE: <b>NIL</b></p>
<p>Provide the distance (by road) between the laboratory and EMRC sites</p>	<p>Distance between laboratory and <b>Red Hill</b> <b>24.9 Km</b></p>	<p>Distance between laboratory and <b>Belmont</b> <b>14.9 Km</b></p>

**As part of the ALS added services, ALS will provide free Sample Pick-up and Sample Bottle delivery services to EMRC. This service is to be arranged by EMRC staff and the ALS Project Manager**



## **9.2 ITEMS CONTAINED IN THE INFORMATION BULLETIN**

### **REFERENCE: COMMITTEES-9709**

The following items are included in the Information Bulletin, which accompanies the Agenda.

#### **1 WASTE MANAGEMENT SERVICES**

- 1.1 *COUNCIL TONNAGE COMPARISONS AS AT 30 JUNE 2009 (Ref: Committees-9710)*
- 1.2 *SUBMISSION FOR NATIONAL WASTE POLICY (Ref: Committees-9729)*

#### **2 REGIONAL SERVICES**

- 2.1 *REGIONAL SERVICES ACTIVITY REPORT – APRIL TO JULY 2009 (Ref: Committees-9740)*
- 2.2 *REGIONAL ADVOCACY CAMPAIGN FOR UNDERGROUND POWER (Ref: Committees-9791)*
- 2.3 *CITIES FOR CLIMATE PROTECTION (CCP) – RECOMMENDATION ON WAY FORWARD (Ref: Committees-9787)*
- 2.4 *REGIONAL BUSINESS CASE FOR BROADBAND INFRASTRUCTURE UPGRADES IN PERTH'S EASTERN REGION (Ref: Committees-9792)*

### **RECOMMENDATION**

That the Information Bulletin be noted.

The Executive Manager Waste Management Services provided a summary of items 1.1 and 1.2.

In reference to item 1.2 the Acting Chief Executive Officer expressed his concern about the lack of response time allowed to prepare a submission, and encouraged member Councils to express their concerns about short comment periods.

The Executive Manager Regional Services advised the group that the reports from Regional Services had been presented to the CEOAC meeting earlier that week for consideration. The same reports were being presented to TAC, for information, given that the reports also related to technical initiatives.

### **TAC RESOLUTION(S)**

MOVED MR PEARSON                      SECONDED MR PURDY

THAT THE INFORMATION BULLETIN BE NOTED.

**CARRIED UNANIMOUSLY**

#### **10 CONFIDENTIAL MATTERS FOR WHICH THE MEETING MAY BE CLOSED TO THE PUBLIC**

Nil

#### **11 GENERAL BUSINESS**

Nil



## **12 FUTURE MEETINGS OF THE TECHNICAL ADVISORY COMMITTEE**

The next meeting of the Technical Advisory Committee will be held on **Thursday 17 September (if required) 2009** at the EMRC Administration Office, 1<sup>st</sup> Floor, Ascot Place, 226 Great Eastern Highway, Belmont WA 6104 commencing at 3.00 pm.

### **Future Meetings 2009**

Thursday	17 September (if required)	at	EMRC Administration Office
Thursday	15 October	at	EMRC Administration Office
Thursday	19 November	at	Red Hill Administration Office

## **13 DECLARATION OF CLOSURE OF MEETING**

There being no further business, the Chairman declared the meeting closed at 3.25pm.