### **APPENDICES**

- 121 LOCAL PRECIDENT TYPOLOGY STUDY
- 131 ENVIRONMENTAL IMPACT ASSESSMENT CHECK LIST
- 136 AIR POLUTION CERTIFICATE
- 137 MEDICAL REFEREE APPOINTMENT



Figure 131: Benoni Crematorium

### CREMATORIUM DETAILS

Crematorium Name : Benoni Crematorium Location : Within cemetery grounds

Construction Date: 2001

Crematorium Ownership : Local Metropolitan Council - Eukuruleni

First Utilized: Never utilized, first cremation planned for beginning of March 2003

Cost of Cremation Today: R500,00

### **ARCHITECTURE**

Description: Face-brick, pitched tiled roof with steel pipe chimneys

Planning : Rectangular Entrance Viewing Room : Yes

Chapel Location : In front of the cremation room Chapel Layout : Christian bench row seating

Cremator Lobby Type: Lobby hatch

Mortuary: Yes, 2 bodies

Stores: 3 Offices: 2

Urns Placement: Face-brick remembrance walls

### CREMATORS

Cremator Manufacturer : American

Cremator Energy Source : Gas -4500L tank

Quantity of Cremators: 2 Maximum Cremators: 4

Total Cremations / day : Expected 12

### **AUTHORS OPINIONS**

Utilized to Full Potential: No, building standing empty due to Council red-tape

Meets Health Standards : Designed to latest requirements Meets Air Pollution Stds. : Designed to latest requirements

Note worthy Features: Utiliterian, Landscaped Environment, Human scale to structure

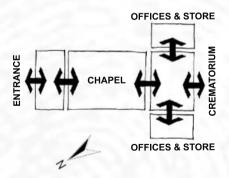


Figure 132: Analytical Sketch



Figure 133: Braamfontein Crematorium

### **CREMATORIUM DETAILS**

Crematorium Name: Braamfontein Crematorium

Location: Within cemetery grounds

Construction Date: 1935

Crematorium Ownership: Local Metropolitan Council - Johannesburg

First Utilized: Unknown

Cost of Cremation Today: R400,00

### **ARCHITECTURE**

Description: Stone walls, pitched tiled roof with church bell tower, steel chimneys

Planning : Rectangular Entrance Viewing Room : Yes

Chapel Location : Between Viewing room and the cremation room

Chapel Layout: Christian bench type row seating

Cremator Lobby Type: Lobby hatch

Mortuary : None Stores : 1 Offices : 1

Urns Placement: Face-brick remembrance walls & basement Mausoleum

### **CREMATORS**

Cremator Manufacturer: American

Cremator Energy Source : Gas – piped by municipality

Quantity of Cremators : 4 Maximum Cremators : 4 Total Cremations / day : 24

### **AUTHORS OPINIONS**

Utilized to Full Potential: No, currently under renovation, re-opening April 2003

Meets Health Standards: Unknown, currently under renovation Meets Air Pollution Stds.: Unknown, currently under renovation

Note worthy Features: Basement Mausoleum, stone building construction, Landscaped

Environment. Human scale to structure

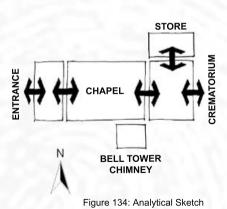




Figure 135: Brakpan Crematorium

### CREMATORIUM DETAILS

Crematorium Name : Brakpan Crematorium Location : Within cemetery grounds

Construction Date : +- 1940's

Crematorium Ownership: Private – Doves Funeral Services

First Utilized: Unknown

Cost of Cremation Today: R592,80

### **ARCHITECTURE**

Description: Face-brick, pitched tiled roof with church bell tower type chimney

Planning : Rectangular Entrance Viewing Room : No

Chapel Location: In front of the cremation room Chapel Layout: Christian bench row seating

Cremator Lobby Type: Lobby hatch

Mortuary : None Stores : 1 Offices : None

Urns Placement: Face-brick remembrance walls

### **CREMATORS**

Cremator Manufacturer : American

Cremator Energy Source : Gas – 2500L tank

Quantity of Cremators: 1 Maximum Cremators: 1 Total Cremations / day: 4

### **AUTHORS OPINIONS**

Utilized to Full Potential: No, chapel never used

Meets Health Standards: No, cremation room dirty, with ash on the floor

Meets Air Pollution Stds.: No, smoke visible from chimney

Note worthy Features: Historical Structure, Human scale structure, Utiliterian

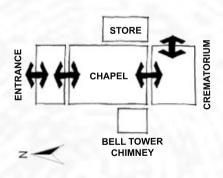


Figure 136: Analytical Sketch

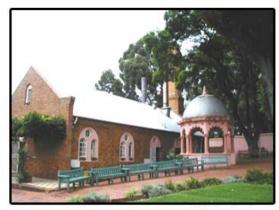


Figure 137: Brixton Crematorium

### **CREMATORIUM DETAILS**

Crematorium Name : Brixton Crematorium Location : Within cemetery grounds

Construction Date: Original built in 1918, current crematorium unknown

Crematorium Ownership: Private - Doves Funeral Services

First Utilized : Unknown

Cost of Cremation Today: Unknown

### **ARCHITECTURE**

Description: Face-brick, pitched steel roof with brick bell tower type chimney

Planning : Rectangular Entrance Viewing Room : No

Chapel Location: In front of the cremation room

Chapel Layout : Perimeter seating Cremator Lobby Type : Lobby hatch

Mortuary : None Stores : 2 Offices : 2

Urns Placement: None

### **CREMATORS**

Cremator Manufacturer : American

Cremator Energy Source : Gas – cylinder tanks

Quantity of Cremators : 2 Maximum Cremators : 2 Total Cremations / day : 12

### **AUTHORS OPINIONS**

Utilized to Full Potential: Yes Meets Health Standards: Yes Meets Air Pollution Stds.: Yes

Note worthy Features: Utiliterian, Link to historical structure, Human scale to structure

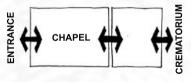




Figure 138: Analytical Sketch



Figure 139: Fourways Crematorium

### CREMATORIUM DETAILS

Crematorium Name : Fourways Crematorium

Location: Within cemetery grounds

Construction Date: 2001

Crematorium Ownership: Private - Fourways Memorial Park

First Utilized: Unknown

Cost of Cremation Today: R500.00

### ARCHITECTURE

Description: plaster and paint steel roof with a single steel chimney

Planning: Rectangular Entrance Viewing Room: Yes Chapel Location: No chapel Chapel Layout: None

Cremator Lobby Type: No hatch, access through door way

Mortuary : None Stores : 2 Offices : 2

Urns Placement : Memorial gardens

### **CREMATORS**

Cremator Manufacturer : South African Cremator Energy Source : Diesel – 2000L tank

Quantity of Cremators: 1
Maximum Cremators: 2
Total Cremations / day: 6

### **AUTHORS OPINIONS**

Utilized to Full Potential: Yes

Meets Health Standards: 50%, ash on floor

Meets Air Pollution Stds.: Unknown

Note worthy Features: Utiliterian

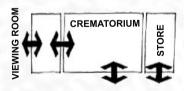




Figure 140: Analytical Sketch



Figure 141: Kempton Park Crematorium

### **CREMATORIUM DETAILS**

Crematorium Name: Kempton Park Crematorium

Location: Within cemetery grounds

Construction Date: 1996

Crematorium Ownership: Private – AVBOB Funeral Services

First Utilized : June 1997

Cost of Cremation Today: R349.00 - R931.00

### ARCHITECTURE

Description: Face-brick, mono pitched steel roof with steel pipe chimneys

Planning : Rectangular Entrance Viewing Room : Yes

Chapel Location: In separate building adjacent to crematorium

Chapel Layout : Christian bench row seating

Cremator Lobby Type : Lobby hatch

Mortuary: Yes, 15 bodies

Stores: 3 Offices: 2

Urns Placement: Face-brick remembrance walls

### **CREMATORS**

Cremator Manufacturer: American

Cremator Energy Source: Gas – 4500L tank

Quantity of Cremators: 2 Maximum Cremators: 2

Total Cremations / day : Expected 16

### **AUTHORS OPINIONS**

Utilized to Full Potential: Yes

Meets Health Standards: 50%, reasonably clean with ash on floor, strong smell in the air

Meets Air Pollution Stds.: No, smoke visible from chimney

Note worthy Features: Utiliterian, Human scale to structure

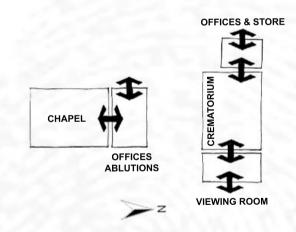


Figure 142: Analytical Sketch



Figure 143: Krugersdorp Crematorium

### **CREMATORIUM DETAILS**

Crematorium Name : Krugersdorp Crematorium

Location: Within cemetery grounds Construction Date: Unknown

Crematorium Ownership: Private – Doves Funeral Services

First Utilized : Unknown

Cost of Cremation Today: R520.00

### **ARCHITECTURE**

Description: Face-brick, pitched tiled roof with church bell tower type chimney

Planning : Rectangular Entrance Viewing Room : No

Chapel Location : In front of the cremation room Chapel Layout : Christian bench row seating

Cremator Lobby Type: Lobby hatch

Mortuary : None Stores : 1 Offices : None

Urns Placement: Face-brick remembrance walls

### **CREMATORS**

Cremator Manufacturer : American

Cremator Energy Source : Gas – 4500L tank

Quantity of Cremators: 1 Maximum Cremators: 1 Total Cremations / day: 6

### **AUTHORS OPINIONS**

Utilized to Full Potential: No, chapel never used

Meets Health Standards: No, cremation room dirty, with ash on the floor

Meets Air Pollution Stds.: No, smoke visible from chimney

Note worthy Features: Utiliterian, Historical connection

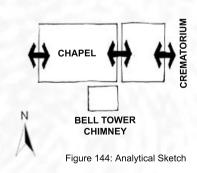




Figure 145: Lenasia Crematorium

### **CREMATORIUM DETAILS**

Crematorium Name : Lenasia Crematorium Location : Within cemetery grounds

Construction Date: 1985

Crematorium Ownership: Local Metropolitan Council - Johannesburg

First Utilized: 28 July 1985

Cost of Cremation Today: R500.00

### **ARCHITECTURE**

Description: Face-brick walls, pitched tiled roof with steel chimneys

Planning: Rectangular

Entrance Viewing Room: No, to side of chapel Chapel Location: In front of the cremation room Chapel Layout: Benches to perimeter of chapel

Cremator Lobby Type: Lobby hatch

Mortuary : None Stores : 1 Offices : 1

Urns Placement: Face-brick remembrance walls

### **CREMATORS**

Cremator Manufacturer : American

Cremator Energy Source : Gas -4500L tank

Quantity of Cremators: 3 Maximum Cremators: 4 Total Cremations / day: 15

### **AUTHORS OPINIONS**

Utilized to Full Potential: No, chapel seldom used

Meets Health Standards: Yes Meets Air Pollution Stds.: Yes

Note worthy Features: Utiliterian, Human scale, Walled enclosure

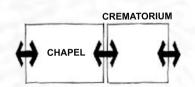






Figure 147: Pretoria Crematorium

### **CREMATORIUM DETAILS**

Crematorium Name : Pretoria Crematorium Location : Adjacent to cemetery grounds

Construction Date: 1956

Crematorium Ownership: Local Metropolitan Council - Pretoria

First Utilized: 12 February 1957

Cost of Cremation Today: R260.00 [resident of Tshwane], R780.00 [other]

### **ARCHITECTURE**

Description: Face-brick walls, pitched roof tiles, concrete chimney

Planning : Rectangular Entrance Viewing Room : No

Chapel Location: In front of cremation room Chapel Layout: Christian bench type row seating

Cremator Lobby Type: Drop type hatch

Mortuary : None Stores : 1 Offices : 2

Urns Placement: Brick and stone remembrance walls

### **CREMATORS**

Cremator Manufacturer: American

Cremator Energy Source : Gas – 4500L tank

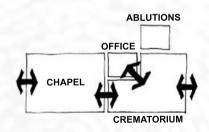
Quantity of Cremators : 4 Maximum Cremators : 4 Total Cremations / day : 24

### **AUTHORS OPINIONS**

Utilized to Full Potential: No, chapel not used

Meets Health Standards: Yes Meets Air Pollution Stds.: Yes

Note worthy Features: Stand alone site with no grave yard, Utiliterian



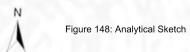




Figure 149: Pretoria Hindu Crematorium

### CREMATORIUM DETAILS

Crematorium Name: Pretoria Hindu Crematorium

Location: Within cemetery grounds

Construction Date: 1944

Crematorium Ownership : Local Metropolitan Council - Pretoria

First Utilized: Unknown

Cost of Cremation Today: R260.00 [resident of Tshwane], R780.00 [other]

### ARCHITECTURE

Description: Face-brick walls, brick dome roof, brick chimney

Planning : Rectangular Entrance Viewing Room : No

Chapel Location: None, covered area adjacent to cremator

Chapel Layout : None

Cremator Lobby Type: None, open to the air

Mortuary: None

Stores: 1 Offices: 1

Urns Placement : None

### **CREMATORS**

Cremator Manufacturer: Unknown

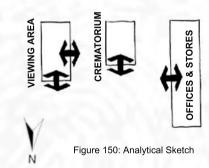
Cremator Energy Source: Wood furnace, 400kg per cremation

Quantity of Cremators: 1 Maximum Cremators: 1 Total Cremations / day: 2

### **AUTHORS OPINIONS**

Utilized to Full Potential: No Meets Health Standards: Unknown Meets Air Pollution Stds.: Unknown

Note worthy Features: In 2002 did 12 cremations only, Historical building in use, Utiliterian



	CHECKLIST TO ASSIST IN EVALUATION OF A SCOPING
	REPORT/ ENVIRONMENTAL IMPACT ASSESSMENT
	REPORT
	APPLICATION NAME: FOURWAYS MEMORIAL PARK (PTY) LTD CREMATORIUM
	REF: GAUT 00/237 DEPARTMENTAL RECOMMENDATION:
,	YES / NO The choice selected for each question is indicated by the use of italics, e.g.: YES
	A. Does the process followed in the study agree with that approved in the Scoping plan approved by the department? The significance of deviations from the accepted plan should be commented on.
	YES NO Comments:
	B. Given the nature of the project, does the report include the following and is it of an acceptable standard?
	1. Description of the project (Refer to Guideline Document p 22)
	1.1 A description of the activity
	YES NO Comments: Installation of a crematorium
	1.2 A Site Plan
	YES NO Comments: earmarked on an existing cemetery grounds
	1.3 Schematic drawing(s) of processes and technology
	YES NO Comments: Documentation with regard to the above have been submitted to the Department
	1.4 Estimates of solid wastes
	DACE FIA EVALUATION FORM

	2
YES NO	Comments: Ash residue are buried at the garden of
re	mberance at the cemetery
5 Estimates of li	quid effluent
YES NO	Comments: N/A
6 Estimates of g	aseous emissions
YES NO tes	Comments: The estimates are documented on page 11. Proper sting will be done once the creamators are installed.
7 Brief discussi gaseous)	on on treatment and disposal of waste (solid, liquid and
YES NO	Comments: N/A
8 Water require	ments (estimated volumes, proposed source and availability)
YES NO	Comments: N/A
9 Estimate of tin	meframes for construction
YES NO	Comments: Within three months after approval is granted
tion of alternativ	ves
	ring alternatives considered in the report?
Location A	Iternatives
YES NO in :	Comments: indicated as a site selection matrix on pages 1-2 addendum 1
Process Alt	ternatives
YES NO	Comments:
	EIA EVALUATION FORM

