

## APPENDIX H: DETAILS OF EAP AND EXPERTISE

CEN  
Integrated Environmental Management Unit  
36 River Road  
Walmer  
Port Elizabeth  
6070  
South Africa



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Fax: 0865042549

Email: [steenbok@aerosat.co.za](mailto:steenbok@aerosat.co.za) / [lucille@environmentcen.co.za](mailto:lucille@environmentcen.co.za)

Reg No: 1996/032402/23

## ***CURRICULUM VITAE***

### **LUCILLE BEHRENS**

Name of Firm	CEN Integrated Environmental Management Unit
Date of birth	20 August 1976
Position in Firm	Senior Environmental Scientist
Specialisation	Environmental Management
Nationality	South African
Years of experience	12
HDI Status	White female, no disabilities
Languages	English, Afrikaans

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### **KEY QUALIFICATIONS**

Lucille has 12 years' experience in the Environmental Management field. Lucille has undertaken a number of Environmental Impact Assessments (i.e. Basic Assessments; Scoping and EIA) under the EIA Regulations of 2006 and 2010. Her roles have included being the Environmental Assessment Practitioner (EAP), Assistant EAP, Project Manager and Environmental Scientist for EIA related projects. Her responsibilities have included undertaking environmental assessments, compilation of regulated EIA's (i.e. scoping reports, EIA reports, Basic assessments and EMPs) and incorporating specialists into the EIA team for any required specialist studies. Lucille has also undertaken and been involved with the regulated public participation process required for EIAs.

Her experience in compiling environmental management plans relate to construction, maintenance operations and wildlife management. Lucille has been involved in environmental compliance monitoring and auditing (environmental control officer) on a number of construction sites and borrow pits. She has also gained experience in GIS mapping.

Lucille has also been involved in waste studies and sustainable development projects, for example green procurement, elimination of illegal dumping strategies and water conservation and demand management plan.

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### **EDUCATION**

<b>Qualification</b>	<b>Institution</b>	<b>Year</b>
BSc (Hons) (Environmental Monitoring and Modelling)	UNISA	2008
BSc (Environmental Management)	UNISA	2005
BA (Hons) (Criminology)	University of Pretoria	1998
BA	University of Pretoria	1997

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**COURSES & CONFERENCES**

<b>Course / Conference</b>	<b>Date</b>
Management Training Session – Nelson Mandela Metropolitan University: Business School	2006
The Environment And the Project Cycle	March 2008
Technical and Business Report Writing	March 2009
Institute of Waste Management South Africa – Eastern Cape Mini Conference	August 2009
Project Management, Incl. MS Projects	March 2010
Legal Workshop on the Key Implications of the National Environmental Management: Integrated Coastal Management Act	April 2010
Environmental Awareness and Legal Liability for Management	May 2010
Green Star SA Accredited Professional Course	September 2011
WASTECON	October 2012
Contaminated Land Workshop	February 2013
Water Law in South Africa Workshop	August 2013
Institute of Waste Management of Southern Africa – Eastern Cape Conference: The Green Revolution	September 2013
National Wetlands Indaba	October 2013
IWRM, the NWA, and Water Use Authorisations, focusing on Water Use License Applications – Procedures, Guidelines, IWWMP's and Monitoring, Carin Bosman Sustainable Solutions	September 2014

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**PROFESSIONAL MEMBERSHIP / REGISTRATION**

<b>Institution Name</b>	<b>Membership</b>	<b>Year Joined</b>
International Association of Impact Assessments (South Africa)	Member (No. 2668)	2010

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**EMPLOYMENT RECORD**
**August 2013 – Present: CEN IEM Unit**

On 1 August 2013, Lucille joined the CEN Integrated Environmental Management Unit as **Senior Environmental Scientist**. Her responsibilities include:

- Project management,
- Environmental Impact Assessments (basic assessment, scoping and EIA and associated public participation),
- Co-ordinating and assessing specialist studies,
- Environmental Management Plans/Programmes,
- Environmental Compliance Monitoring,
- GIS mapping.

**July 2007 – July 2013: BKS (Pty) Ltd / AECOM SA (Pty) Ltd**

On 1 October 2012 Lucille was appointed as a **Senior Environmental Scientist** for the Infrastructure and Management Sector of BKS in Port Elizabeth after BKS and its subsidiaries rebranded on 1 November 2012 to become AECOM SA (Pty) Ltd. Her responsibilities included:

- Project management, including financial management on projects,
- Environmental Impact Assessments (basic assessment, scoping and EIA and associated public participation),
- Co-ordinating and assessing specialist studies,
- Environmental Management Plans/Programmes,
- Environmental Compliance Monitoring,
- Waste and Sustainability Strategies,
- Business development focusing within the Eastern Cape, KwaZulu Natal.
- GIS mapping.

In 2009, Lucille was promoted to **Senior Environmental Scientist** and was responsible for project management, environmental impact assessments (basic assessment, scoping and

EIA and associated public participation), environmental management plans, environmental compliance monitoring, waste and sustainability strategies within the Eastern Cape.

In 2007, Lucille joined BKS (Pty) Ltd as an **Environmental Scientist**. Her responsibilities included undertaking environmental impact assessments (basic assessment, scoping and EIA and associated public participation), compiling environmental management plans and undertaking environmental compliance monitoring.

#### **August 2000 – June 2007: Shamwari Game Reserve (Mantis Collection)**

Lucille was the **Wildlife / Environmental Co-Ordinator** for Shamwari Game Reserve (Mantis Collection) from November 2003 – June 2007. During this time, her responsibilities included the following:

Compiling environmental management plans for construction operations and wildlife management for reserves in South Africa, United Arab Emirates and Morocco. Undertaking environmental compliance monitoring of construction sites within game reserves. Monitoring environmental aspects (e.g. water usage) within Mantis game reserves and organising related wildlife permits.

In November 2001, Lucille transferred to the Wildlife Department as the PA to the Wildlife Director.

In 2000, Lucille joined Shamwari Game Reserve and during this time her roles included Personal Assistant to the General Manager, Switchboard Operator and Reservationist.

#### **June 1999 – July 2000: Formax**

Computer room supervisor, Data Capturer

#### **1997: University of Pretoria**

Practical Tutor, Information Science Department

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### **EXPERIENCE RECORD – SELECTED PROJECTS**

#### **ENVIRONMENTAL IMPACT ASSESSMENTS:**

- Basic Assessment for the Proposed Coega Kop Wellfield and Water Treatment Works – *NMBM*
- Basic Assessment for the Proposed Recreational Water Park in Uitenhage - *Ntlangani Group of Companies*
- Scoping and EIA for the Proposed Kei Road Water Treatment Works and Conveyance – *Aurecon*
- Basic Assessment for the Upgrading of the Emsengeni Access Road, Kirkwood – *LA Consulting Engineers*
- Basic Assessment for the Proposed Stormwater Management Infrastructure in Colchester, Nelson Mandela Bay Municipality - *NMBM*
- Basic Assessment for the Proposed Hydro Power projects in Somerset East - *Navitas*
- Basic Assessment for the Proposed Alexandria Community Health Centre - *Archworxs*
- Scoping & Environmental Impact Assessment for the Kei Road Water Conveyance (pipeline and water treatment works) - *Aurecon*
- Basic Assessment for the St Francis Stormwater Upgrade - *Aurecon*
- Basic Assessment for the Patensie Prison WasteWater Treatment Works - *Aurecon*
- Basic Assessment for the Proposed SACE Ranger PV Plant, Uitenhage – *SACE*.
- Basic Assessment of the Proposed Clearing of Vegetation for Fence Construction at SAPS Training Institute, Addo, Sundays River Valley Municipality – *Engineering Advice & Services*.
- Basic Assessment for Construction and Operation of a Filling Station with Rest and Retail Facilities, an Agri-Business Retail / Wholesale Facility adjacent to the Nanaga Farm Stall on the Remainder of Portion 8 Nanaga Hoogte No 229, Sundays River Valley Municipality – *Pantheon Trust*

- Scoping and EIA, and Water Use Licence Application for the Proposed Malabar Phase 2 Extension 6 Housing Development - *NMBM*
- Basic Assessment and Water Use Licence Applications for Proposed Gqunu Village Bridge Crossing and Road Upgrades - *Department of Land Reform and Rural Development*.
- Scoping and Environmental Impact Assessment (Environmental Authorisation and Waste Management Licence) for a proposed private GLB+ Waste Disposal Facilities in Springs– *Vereeniging Refractories*

#### **ENVIRONMENTAL MANAGEMENT PROGRAMMES:**

- Coastal Management Programme for the Nelson Mandela Bay Municipality
- Environmental Management Programme for Existing Gravel Borrow Pits for Routine Road Maintenance - *EC Department of Roads & Public Works*
- Environmental Management Plan: Port Elizabeth Airport Storm Water – *ACSA*
- Borrow Pit / Quarry Authorisation Application: Elandsdrift Dam - *Department of Water Affairs*

#### **ENVIRONMENTAL COMPLIANCE MONITORING:**

- Environmental Control Officer: Construction of the Kuyga Rising Main – *Hatch Goba*
- Environmental Control Officer: Upgrading of Access Roads in Moses Mabida, Kirkwood – *LA Consulting Engineers*
- Environmental Control Officer: Upgrading of Stormwater Infrastructure in Summerstrand – *Hatch Goba*
- Environmental Control Officer: Upgrading of Roads and Stormwater in Nomathamsanqa, Addo – *LA Consulting Engineers*
- Environmental Control Officer: Fonteins Hoek Quarry For The Upgrading Of The Elandsdrift Barrage - *Department of Water Affairs*
- Environmental Control Officer: Rehabilitation of the Churchill Pipeline at the Van Stadens River Mouth, Phase 2 - *Nelson Mandela Bay Municipality*
- Environmental Control Officer: Construction of Recreational Facilities for Van Der Kemp's Kloof Nature Reserve - *Nelson Mandela Bay Municipality*
- Environmental Control Officer: Upgrading of Gravel Roads and Stormwater in Cluster E – *Letsunyane Associates*
- Performance Assessment of 9 Borrow Pits in the Kouga Local Municipality - *Cacadu District Municipality*

#### **SUSTAINABILITY PROJECTS:**

- Environmental Screening Assessment for Portion 62 of Ongegunde Vryheid No 746, St Francis – *Aurecon*
- Water Conservation and Demand Management Plan for the Dube TradePort, including King Shaka International Airport – *Dube TradePort*
- Environmental Management System for the Nelson Mandela Bay Municipality 2010 Multi-Purpose Stadium – *Nelson Mandela Bay Municipality*
- Strategy for the Elimination of Illegal Dumping and Maintenance of Municipal Land - *Nelson Mandela Bay Municipality*
- Green Procurement Plan for the Nelson Mandela Bay Municipality - *Nelson Mandela Bay Municipality*
- Helenvale Waste Study - *Cabitech Project Managers*

## **Michael Cohen**

CEN Integrated Environmental Management Unit  
36 River Road  
Walmer, Port Elizabeth. 6070

Telephone: (+27) 041-581-2983  
Facsimile: 086 504 2549  
E-mail: [steenbok@aerosat.co.za](mailto:steenbok@aerosat.co.za)

### **Date of Birth:**

18 January 1945

### **Nationality:**

South African

### **Languages:**

English (mother tongue), Afrikaans (good)

### **Qualifications:**

B.Sc. (Zoology, Psychology. Wits. RSA).  
B.Sc. (Hons) (Wildlife Management. U Pretoria).  
M.Ag. (Wildlife and Fisheries Ecology: Texas A&M). (1973)  
D.Sc. (Wildlife Management. U Pretoria). (1988)

### **Institutions:**

South African Council of Natural Scientists (SACNAS)  
Professional Member - Institute of Ecologists and Environmental Scientists

Member - International Association for Impact Assessment - South African Chapter

Member of IUCN Commission on National Parks and Protected Areas. (CNPPA) (1994 -1996)

Member of IUCN World Commission on Protected Areas (1997 – current)

Honorary Member of the Institute of Environment and Recreation Management of Africa 1995

Appointed to the Board of the Institute of Ecologists and Environmental Scientists - April 1997-May 2000

Referee to environmental assessment practitioners applying to the Interim Certification Board for Environmental Assessment Practitioners (ICB) for professional certification (2001 - present)

Appointed to the Council of the Provincial Heritage Resource Authority. Ministry of Sport, Arts and Culture. Province of the Eastern Cape 2003 (Resigned)

**Professional History:**

May 1996 – Present

Environmental Consultant: CEN Integrated Environmental Management Unit

**July 1995 - May 1996**

Director: Eastern Cape Nature Conservation. Ministry of Economic Affairs, Environment and Tourism. Left to start own consultancy business

**January 1993 - June 1995**

Regional Director: Cape Nature Conservation. Eastern Cape Region

**October 1985 - December 1992**

Deputy Director: Environment. Chief Directorate: Environmental Conservation  
Directorate: Environmental Management Department of Environment Affairs

**July 1983 - September 1985**

Assistant Director: Environment Chief Directorate: Environmental Conservation  
Department of Environment Affairs

**March 1981 - July 1983**

Chief Professional Officer Chief Directorate: Environmental Conservation Department of  
Environment Affairs

**June 1978 - February 1981**

Regional Ecologist: Transvaal Nature Conservation Division: Eastern Region (TPA)

**August 1976 - May 1978**

Officer-in-Charge. Suikerbosrand Nature Reserve Transvaal Nature Conservation  
Division (TPA)

**1972 - July 1976**

Research Assistant Eugene Marais Chair of Wildlife Management University of Pretoria

**Specialist Courses:**

- ✿ 1993 Completed the certificate course in Public Management at the University of Pretoria. The certificate was awarded Cum Laude
- ✿ 1989 Completed course in Practical Techniques in Environmental Impact Assessment conducted by the Environmental Evaluation Unit at the Graduate School of Business, University of Cape Town
- ✿ 1973 Completed the International Seminar on the Administration of National Parks and Equivalent Reserves held in the United States, Canada and Mexico
- ✿ 1973 Completed short course in Tropical Ecology while at Texas A & M University

**International Experience:**

- ✿ Nominated as a member of an international team to evaluate the professional



activities of the Nature and National Parks Protection Authority of Israel  
(Evaluation was to be conducted during November 2000)

- ✿ 1994 - Represent South Africa as Scientific Councillor on the Convention on Migratory Species - Nairobi, Kenya
- ✿ 1994 - Alternate delegate for South Africa at the Conference of the Parties of the Convention on Migratory Species - Nairobi, Kenya
- ✿ 1994 -Member of the negotiations team for the African Eurasian Waterfowl Agreement - Nairobi, Kenya
- ✿ 1993 -Represent South Africa as Scientific Councillor on the Convention on Migratory Species - Bonn, Germany
- ✿ 1992 -Visit to Israel to hold preliminary discussions on a bilateral agreement on Nature and Environmental Conservation
- ✿ 1992 -Participate in the IV World Congress on National Parks and Protected Areas - Caracas - Venezuela - Present two papers at the Congress and participate in numerous working groups on a wide range of protected area issues
- ✿ 1991 - 1995 South African Representative on the Scientific Council for the Convention on Migratory Species
- ✿ 1990 -Visit to England and Israel (met with a variety of nature and environmental conservation organisations) for discussion on joint projects and for discussions on national and regional protected area systems plans
- ✿ 1989 -Member of South African delegation to the XV Antarctic Treaty meeting, Paris
- ✿ 1988 -Delegate to the 17th IUCN General Assembly - Costa Rica
- ✿ 1986 -Seminar on Environmental Education - Israel

### **Specialisation in Firm:**

Integrated Environmental Management, Environmental Impact Assessment, Rural Development, Natural Resource Planning and Management

### **Recent Experience:**

#### **Environmental Impact Assessment:**

#### **2006 – To Present - Selected Projects**

- ✿ Scoping Exercise for a Proposed Pilot Aquaculture Operation for the Grow-Out of *Penaeus vannamei* Prawn Larvae For Commercial Purposes Within the Coega Industrial Development Zone at Port Elizabeth Eastern Cape Province Ballastrada Trade and Investments (Pty) Ltd, Trading as SeaArk Africa
- ✿ Environmental Management Plan for a Pilot Aquaculture Operation for the Grow-Out of *Litopenaeus vannamei* Prawn Larvae For Commercial Purposes, Coega Industrial Development Zone at Port Elizabeth, Eastern Cape Province
- ✿ Environmental Assessment for a Proposed Interpretive Centre, Day Visitor Site and Boardwalk Trail in the, Baviaanskloof Mega-Reserve Wilderness Foundation
- ✿ Environmental Assessment for a Proposed Residential Development, Remainder of Erf 328 Kabeljous River Jeffrey's Bay
- ✿ Environmental Assessment for the Augmentation of the Jeffrey's Bay Bulk Water Supply System (Pump Station, Supply Mains from Churchill Supply Mains and 5 MI Reservoir)
- ✿ Environmental Assessment for the Proposed Augmentation of the Jeffrey's Bay Main Electrical Substation
- ✿ Environmental Assessment for a Proposed Residential Development, Remainder of Farm Noorsekloof 327, Jeffrey's Bay
- ✿ Environmental Assessment for the Proposed Rezoning and Subdivision of Portion of Portion 8 of the Farm Kabeljous River No. 321, Jeffrey's Bay

- ✿ Sensitivity Assessment for the Subdivision of Portion 1 (Remaining Extent) of the Farm Klein Buffelsfontein No 477/1
- ✿ Environmental Assessment for a Proposed Resort Development, Portion 84 of the Farm De Stades No. 485, Beachview
- ✿ Environmental Assessment for the Rezoning and Subdivision of the Remainder of the Farm Boschkloof No. 896, Division of Humansdorp
- ✿ Environmental Assessment for the Rezoning of Portion B of the Remainder of Farm 428 to “Special Zone Nursery”
- ✿ Environmental Management Programme Report for a Proposed Sand, Clay and Calcrete Mining Operation in the Coega Valley on Portions 1 and 4 of the Farm Welbedachtsfontein, 300, Port Elizabeth
- ✿ Environmental Assessment for Subdivision and Rezoning of Erf 483 Bushman’s River for Residential Development
- ✿ Environmental Assessment for the Rezoning of Farms 328/1, 328/2 and Farm 779, Jeffrey’s Bay, Kabeljous-on-Sea

#### **2001 – 2004 Selected Projects**

- ✿ Environmental Assessment for the Extension of the Tsitsikamma Golf Estate.
- ✿ Environmental Assessment for a Residential Development in Jeffrey’s Bay.
- ✿ Environmental Assessment for a Township Development in Jeffrey’s Bay
- ✿ Environmental Assessment for Luxury Lodges and a Tent camp on the Mkambati Nature Reserve
- ✿ Environmental Assessment for a Boat Launch Facility at Gwe-Gwe, Mkambati Nature Reserve
- ✿ Environmental Assessment for a Boat Launch Facility at Kings Beach Port Elizabeth
- ✿ Environmental Assessment for the Port Elizabeth Golf Course Estate

- ✿ Environmental Assessment for a Resort Development on the Kromme River
- ✿ Environmental Assessment for the Establishment of a Presidential Suite at the Eagles Cragg Lodge, Shamwari Game Reserve
- ✿ Environmental Assessment for the Establishment of a Golfing Estate at the Port Elizabeth Golf Club
- ✿ Environmental Assessment for the Eskom Tsitsikamma 66kV powerline
- ✿ Environmental Assessment for three resorts in the Zuurrberg Area
- ✿ Environmental Assessment for a Satellite Resort on the Gorah Concession Area, Addo Elephant National Park
- ✿ Environmental Assessment for the Alicedale Golf Resort Development
- ✿ Environmental Assessment for three lodges on the Lalibella Game Reserve
- ✿ Environmental Assessment for the closure of the Marina Martinique Small Boat Harbour
- ✿ Environmental Assessments for two caravan parks on the Gamtoos River
- ✿ Environmental Assessment for the upgrading of the Road from Flagstaff to Holy Cross
- ✿ Biophysical Environmental Assessment on the proposed ESKOM Power line to feed the Aluminium Smelter at Coega
- ✿ Environmental Assessment of the Bayethe Game Reserve
- ✿ Environmental Assessment of Eagles Cragg Game Lodge – Shamwari Game Reserve
- ✿ Environmental Impact Assessment on the Sanderlings Coastal Wetland Resort
- ✿ Scoping Report for boat mooring facilities on the Kromme River to serve a residential resort

# APPENDIX I: SPECIALIST'S DECLARATION OF INTEREST



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA


### DETAILS OF SPECIALIST AND DECLARATION OF INTEREST

File Reference Number:	(For official use only)
NEAS Reference Number:	12/12/20/ or 12/9/11/L
Date Received:	DEA/EIA

Application for integrated environmental authorisation and waste management licence in terms of the-

- (1) National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014, and
- (2) National Environmental Management Act: Waste Act, 2008 (Act No. 59 of 2008) and Government Notice 921, 2013

### PROJECT TITLE

PROPOSED BEENLEEGTE EMBEDDED SMALL HYDRO PROJECT (SCHOENMAKERS CHUTE)
PROPOSED LITTLE FISH EMBEDDED SMALL HYDRO PROJECT (CASCADES CHUTE)

Specialist:	CEN IEM Unit (Merika Louw)	
Contact person:	Merika Louw	
Postal address:	4B Shirley Street, Newton Park, Port Elizabeth	
Postal code:	6065	Cell: 072 332 9397
Telephone:	041 366 0728	Fax: -
E-mail:	merika.louw@gmail.com	
Professional affiliation(s) (if any)	-	

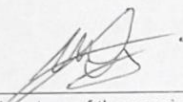
Project Consultant:	CEN IEM Unit	
Contact person:	Lucille Behrens / Mike Cohen	
Postal address:	36 River Road, Walmer	
Postal code:	6070	Cell: 082 922 1645
Telephone:	041 581 2983	Fax: 086 504 2549
E-mail:	lucille@environmentcen.co.za / steenbok@aerosat.co.za	

4.2 The specialist appointed in terms of the Regulations\_

1. Menka Louw, declare that --

General declaration:

I act as the independent specialist in this application;  
I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;  
I declare that there are no circumstances that may compromise my objectivity in performing such work;  
I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;  
I will comply with the Act, Regulations and all other applicable legislation;  
I have no, and will not engage in, conflicting interests in the undertaking of the activity;  
I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;  
all the particulars furnished by me in this form are true and correct; and  
I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.

  
Signature of the specialist:

CEN IEM Unit  
Name of company (if applicable):

7/12/2016  
Date:

Verify that the above statement was taken by me and that the deponent has acknowledged that he/she knows and understands the contents of this statement. This statement was signed and affirmed before me and deponent's signature and thumbprint was placed thereon in my presence.

at Walmer on 2016-12-07 at 14:20

M.C. Flemmet  
(HANTERENDE) KOMMISSARIS VAN EDE  
(SIGNATURE) COMMISSIONER OF OATHS

Melanie Colleen Flemmet  
VOLLE VOORNAAM EN VAN IN DRUKSKRIEF  
FULL FIRST NAME AND SURNAME IN BLOCK LETTERS

Walmer SAPS  
BESIGHEFTSADRES (STRAATADRES)  
BUSINESS ADDRESS (STREET ADDRESS)

120 Main Road

Sgt G  
RANG/RANK

BA POLISIEDIENS  
BA POLICE SERVICE





## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA


### DETAILS OF SPECIALIST AND DECLARATION OF INTEREST

	(For official use only)
File Reference Number:	12/12/20/ or 12/9/11/L
NEAS Reference Number:	DEA/EIA
Date Received:	

Application for integrated environmental authorisation and waste management licence in terms of the-

- (1) National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014; and
- (2) National Environmental Management Act: Waste Act, 2008 (Act No. 59 of 2008) and Government Notice 921, 2013

### PROJECT TITLE

<b>PROPOSED BEENLEEGTE EMBEDDED SMALL HYDRO PROJECT (SCHOENMAKERS CHUTE)</b>
<b>PROPOSED LITTLE FISH EMBEDDED SMALL HYDRO PROJECT (CASCADES CHUTE)</b>

Specialist:	Anton Bok Aquatic Consultants cc		
Contact person:	Anton H. Bok		
Postal address:	5 Young Lane, Mill Park, Port Elizabeth		
Postal code:	6001	Cell:	083 4491 801
Telephone:	041 3733 464	Fax:	086 646 4620
E-mail:	antonbok@aquabok.co.za		
Professional affiliation(s) (if any)	Professional Natural Scientist (Registration No. 400406/11), The South African Council for Natural Scientific Professions		
Project Consultant:	CEN IEM Unit		
Contact person:	Lucille Behrens / Mike Cohen		
Postal address:	36 River Road, Walmer		
Postal code:	6070	Cell:	082 922 1645
Telephone:	041 581 2983	Fax:	086 504 2549
E-mail:	lucille@environmentcen.co.za / steenbok@aerosat.co.za		

4.2 The specialist appointed in terms of the Regulations\_

**Anton Hidde Bok**

I, \_\_\_\_\_, declare that--

General declaration:

I act as the independent specialist in this application;  
I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;  
I declare that there are no circumstances that may compromise my objectivity in performing such work;  
I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;  
I will comply with the Act, Regulations and all other applicable legislation;  
I have no, and will not engage in, conflicting interests in the undertaking of the activity;  
I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;  
all the particulars furnished by me in this form are true and correct; and  
I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.

\_\_\_\_\_  
Signature of the specialist:

**Anton Bok Aquatic Consultants cc**

\_\_\_\_\_  
Name of company (if applicable):

**13 June 2016**

\_\_\_\_\_  
Date:





## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA


### DETAILS OF SPECIALIST AND DECLARATION OF INTEREST

	(For official use only)
File Reference Number:	12/12/20/ or 12/9/11/L
NEAS Reference Number:	DEA/EIA
Date Received:	

Application for integrated environmental authorisation and waste management licence in terms of the-

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### PROJECT TITLE

**PROPOSED BEENLEEGTE EMBEDDED SMALL HYDRO PROJECT (SCHOENMAKERS CHUTE)**  
**PROPOSED LITTLE FISH EMBEDDED SMALL HYDRO PROJECT (CASCADES CHUTE)**

Specialist:	Dr Johan Binneman		
Contact person:	Mr Kobus Reichert (Eastern Cape Heritage Consultants cc)		
Postal address:	PO Box 689, Jeffreys Bay		
Postal code:	6330	Cell:	072 800 6322
Telephone:	042 296 0399	Fax:	042 2960 399
E-mail:	jnbinneman@gmail.com		
Professional affiliation(s) (if any)	Member of the Association of Southern African Professional Archaeologists (ASAPA)		
Project Consultant:	CEN IEM Unit		
Contact person:	Lucille Behrens / Mike Cohen		
Postal address:	36 River Road, Walmer		
Postal code:	6070	Cell:	082 922 1645
Telephone:	041 581 2983	Fax:	086 504 2549
E-mail:	lucille@environmentcen.co.za / steenbok@aerosat.co.za		

4.2 The specialist appointed in terms of the Regulations\_

I, **J.N.F. Binneman** \_\_\_\_\_, declare

that -- General declaration:

I act as the independent specialist in this application;  
I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;  
I declare that there are no circumstances that may compromise my objectivity in performing such work;  
I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;  
I will comply with the Act, Regulations and all other applicable legislation;  
I have no, and will not engage in, conflicting interests in the undertaking of the activity;  
I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;  
all the particulars furnished by me in this form are true and correct; and  
I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.



\_\_\_\_\_  
Signature of the specialist:

**Eastern cape Heritage consultants cc**

\_\_\_\_\_  
Name of company (if applicable):

**7 December 2016**

\_\_\_\_\_  
Date:

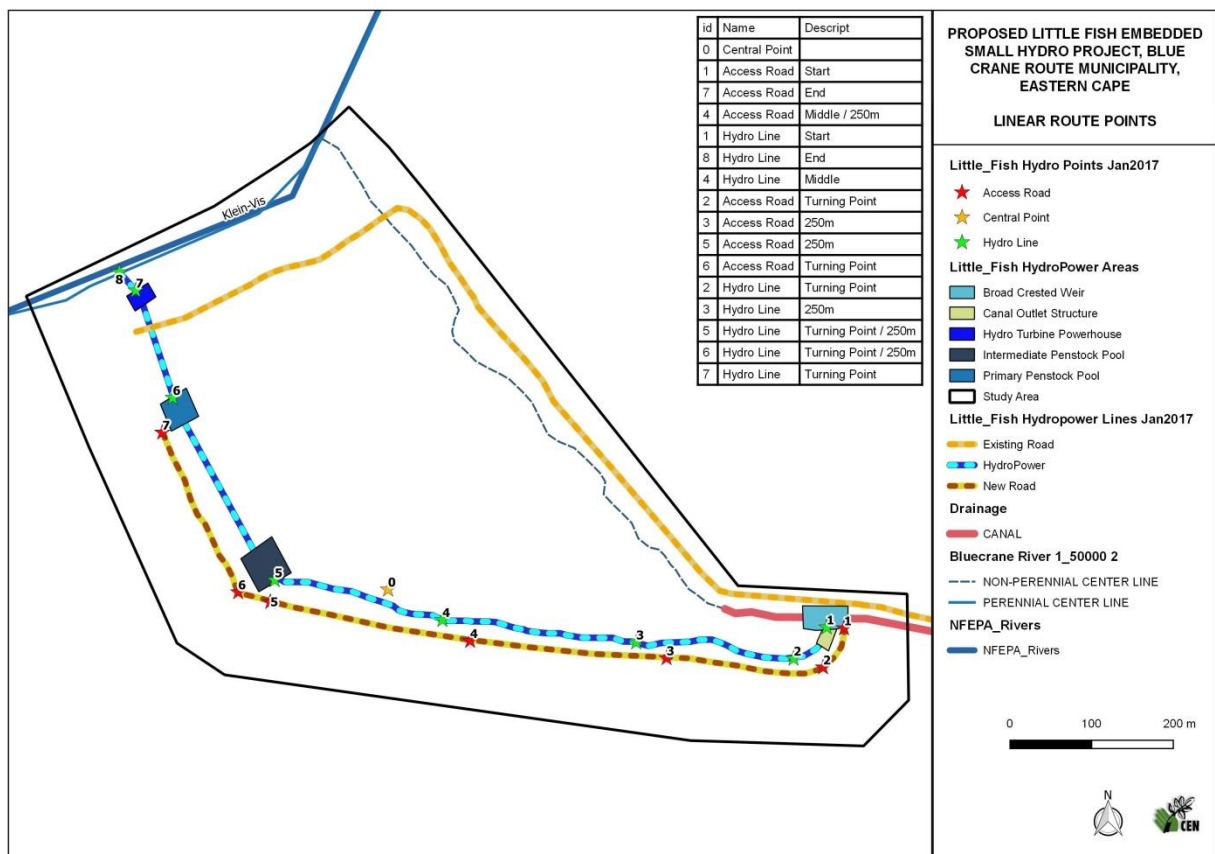
## APPENDIX J: ADDITIONAL INFORMATION

### APPENDIX J-1: CO-ORDINATES OF LINEAR ROUTES

New Access Road (approx. 1000m)	DDMMSS	DDMMSS
1. Starting point of the activity	32° 48' 57.89" S	25° 38' 13.06" E
2. Turning Point	32° 48' 59.45" S	25° 38' 12.08" E
3. 250m	32° 48' 59.12" S	25° 38' 04.71" E
4. Middle point of the activity / 250m	32° 48' 58.39" S	25° 37' 55.41" E
5. 250m	32° 48' 56.91" S	25° 37' 45.98" E
6. Turning Point	32° 48' 56.47" S	25° 37' 44.49" E
7. End point of the activity	32° 48' 50.24" S	25° 37' 40.85" E

### Hydropower Canals / Pipelines (approx. 1045m combined length)

1. Starting point of the activity	32° 48' 57.79" S	25° 38' 12.24" E
2. Turning Point	32° 48' 59.07" S	25° 38' 10.65" E
3. 250m	32° 48' 58.42" S	25° 38' 03.31" E
4. Middle point of the activity	32° 48' 57.55" S	25° 37' 54.07" E
5. Turning point / 250m	32° 48' 55.99" S	25° 37' 46.21" E
6. Turning point / 250m	32° 48' 48.82" S	25° 37' 41.32" E
7. Turning Point	32° 48' 44.58" S	25° 37' 39.63" E
8. End point of the activity	32° 48' 43.97" S	25° 37' 38.90" E



## **APPENDIX J-2: REFERENCE LIST**

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