



**WASTE MANIFEST DOCUMENT
WASTE CLASSIFICATION CERTIFICATE**

MUNICIPALITY OF WALVIS BAY

DANGEROUS GOODS DECLARATION

DOCUMENT NUMBER **2320**

GENERATORS NAME AND ADDRESS

C.P.P.
WALVIS BAY

Tel. No. Fax. No. Delivery Date **01/03/2025**

TRANSPORTERS NAME AND ADDRESS

Nevo NRB

Tel. No. Fax. No. Vehicle Reg. No **NS 324WB**

DISPOSAL SITE NAME AND ADDRESS - CONSIGNEE **Date disposed**

Municipality of Walvis Bay
Box 86
Walvis Bay

01/03/2025

WASTE DETAILS **HAZARDOUS** **LOW-HAZARDOUS** **NON HAZARDOUS**

| | | | |
|--------------------------|--------------------------|-----------------------------|-------------|
| WASTE DESCRIPTION | SAND CONTAMINATED | HAZARD: | High |
| QUANTITY | 3000 / 5220 kg | PROTECTIVE CLOTHING: | yes |

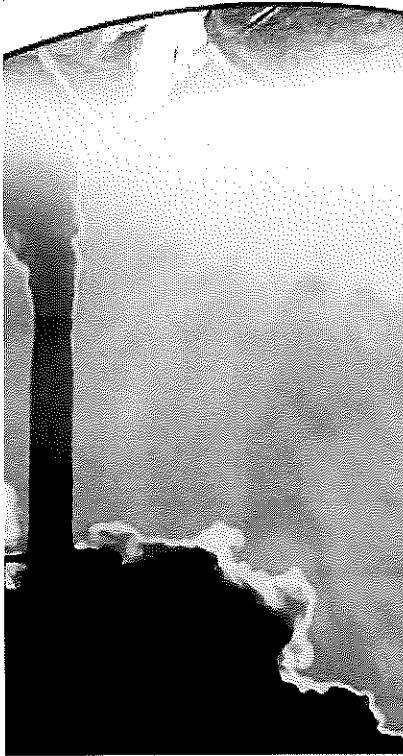
GENERATORS / TRANSPORTERS DECLARATION: I hereby declare that the contents of this consignment, are fully and accurately described. It is classified, packed and marked properly.

NAME IN BLOCK LETTERS **SIGNATURE**

Nevo *[Signature]*

This document forms part of a safe disposal system certifying that disposal procedures are correct.

[Signature] *[Signature]*



If you can't measure it
You can't control it



CONFIDENTIAL

OCCUPATIONAL HYGIENE REPORT

on

ASBESTOS REMOVAL MONITORING

Conducted on behalf of



P. O. Box: 4587

Walvis Bay — Namibia

Contact Person: Michael Pay

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PROJECT NO: 2022 / 122 / E

PROJECT NO: 2022/ 236 / H

Survey Date: 26th of July – 5th of August 2022

Additional work: 29th of August 2022



Ministry of Labour,
Industrial Relations and
Employment Creation
NAMIBIA



employment & labour

Department:
Employment and Labour
REPUBLIC OF SOUTH AFRICA
Reg. No.: OH0057-CI016



OH0057

Approved Inspection Authority

NEHC CC | National Environmental Health Consultants

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STATEMENT PAGE (1)

National Environmental Health Consultants CC is an Approved Inspection Authority in terms of the Occupational Health and Safety Act (85 of 1993). (Certificate No.: CI 057 0H) SA and A.I.A 22/15 Namibia, **Labour Act, 1992 (Act 6 of 1992)** as amended under the **Labour Act 2007, (Act 11 of 2007)**.

J. Alberts conducted this survey on behalf of **NEHC CC** and hereby declares that the results given in the report are a true reflection of conditions encountered during the survey. Please note that results contained in this report only apply to conditions that existed at the time of the survey.

Where relevant published and validated methods exist, they are always used in preference to novel methods. If a novel method is applied, a summary of validation and reference to the internal Standard Operating Procedure(s) is provided.

Whilst recommendations offered in this report are made in good faith and every effort made to ensure the professional integrity thereof, the final responsibility lies with the client to ensure the correctness and suitability of these recommendations prior to implementation. **NEHC CC** or its officers shall in no way be liable for any losses suffered by the client as a result of the implementation of such recommendations.

NEHC CC and its personnel shall not be involved in activities in relation with projects or items surveyed which may adversely influence our independence of judgment and integrity. The company (**NEHC CC**) is appointment as an Independent Occupational Hygienist or Environmental Practitioner Consultant in terms of an agreement for rendering its expertise services. **NEHC CC** declare that they will not form lucrative connections with the designated parties, by the forging of relationships with key decision-makers particular, with those in the industry to which the company offers its services.

Possible scenarios shall be reported in time to be prevented and if these may arise through the course of projects, they shall also be reported.

This report, if published or reproduced by the client, must be in full unless prior written approval for the publication or reproduction in abridged form is granted by **NEHC CC**.

Please refer to Statement page 2 for the Schedule of Accreditation/the scope of work as well as Disclaimers




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J. CORNELISSEN (Technical Signatory)
REGISTERED OCCUPATIONAL HYGIENIST
(S.A.I.OH. Membership No.: 0159)

2nd September 2022
REPORT DATE

| | | | |
|---|--|---|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|---|--|---|---|

SCHEDULE OF ACCREDITATION

NEHC CC is accredited in accordance with the recognised International Standard: ISO/IEC 17020:2012 and is therefore a South African National Accreditation System (SANAS) accredited Inspection Body. The accreditation demonstrates technical competency for a defined scope and the operation of a management system.

NEHC CC is an accredited facility for the full scope of work that is required from The Department of Employment and Labour for Inspection Bodies.

Table 1: SCHEDULE OF ACCREDITATION (*Scope of Work*)

| FIELD OF INSPECTION/OHS ACT REGULATED |
|--|
| Asbestos Regulation, Government Notice No. R 155 of 10 February 2002 Regulation: 8 Air Monitoring, Regulation 21 Demolition, Regulation 18 Maintenance of Control Measures |
| Lead Regulation, Government Notice No. R 236 of 28 February 2002. Regulation: 7 Air Monitoring, Regulation 14 Maintenance of Control Measures |
| Noise-Induced Hearing Loss Regulation, Government Notice No. R 307 of 07 March 2003. Regulation: 7 Noise Monitoring |
| Regulations for Hazardous Chemical Substances, Government Notice No. R 1179 of 25 August 1995. Regulation: 6 Air Monitoring, Regulation 12 Maintenance of Control Measures |

DISCLAIMERS:

When NEHC CC perform any other inspections or surveys that are not part of the Schedule of Accreditation, those Results in a report will be indicated as such –

Not SANAS Accredited

It includes the following Disclaimer (1)

“Results marked “Not SANAS Accredited” in this report are not included in the SANAS Schedule of Accreditation for this inspection body” (1)

Although results are not part of the schedule of accreditation and NEHC CC is not an accredited facility for such work, the entire report and results are subject to strict quality control measures.

- This report contains opinions, interpretations, recommendations or other material relating to investigational activities.

Disclaimer (2)

“Opinions and interpretations expressed herein are outside the scope of SANAS accreditation” (2)

Building towards better


Safety

Health


Environment

Quality



| | | | |
|---|--|--|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
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Attachment F: CERTIFICATE OF SAFE DISPOSAL

| | | | |
|--|---|--|--|
| Date: 26 th of July – 05 th of August 2022 & 29 th of August 2022 | Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC | Occupational Hygienist Johan Cornelissen  | Project No: 2022/ 122 / E 2022/ 236 / H |
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1. PURPOSE

To reflect the results of an occupational hygiene survey covering asbestos fibre monitoring during the removal of asbestos containing material at **Nampower Anixas Station - Walvis Bay**, in order to compare these findings with statutory requirements and to recommend corrective steps where necessary and ensure the health and safety of employees, as well as to ensure that the company and contractor complies with applicable Asbestos Regulations promulgated under the Labour Act, 1992 (Act 6 of 1992) as amended with the Labour Act 2007 (Act No. 11 of 2007).

It further more provided management and the contractor personnel with a standard work instruction for the asbestos abatement work:

- Handling / removal,
- Storage,
- Transporting and
- Disposal of asbestos.

2. INTRODUCTION

National Environmental Health Consultants CC (NEHC CC) is an approved Inspection Authority in terms of regulation 18 of the regulations relating to Health and Safety of Employees at work under the Labour Act, 1992 (Act 6 of 1992) as amended under the Labour Act 2007, (Act 11 of 2007) located in **Swakopmund** and registered with the **Ministry of Labour, Industrial Relations and Employment Creation Certificate No. AIA 22/15**.

Nampower – Walvis Bay appointed **Adcon (Pty) Ltd** to remove Asbestos containing materials at the premises of **Anixas Station – Walvis Bay**. The asbestos containing material was removed on the **26th of July – 05th of August 2022** and dumped on the **04th of August 2022** at the Hazardous waste dump in Walvis Bay.

Nampower – Walvis Bay was busy with earth moving activities and come across concrete blocks surrounded with asbestos. **Actual Impact Group Consulting CC** was appointed to remove the asbestos material on the premises. Asbestos removal and dumping took place on the **29th of August 2022**.

Nampower – Walvis Bay recognizes the high risk of asbestos and asbestos containing materials. They are currently demolishing and revamping buildings containing asbestos materials, on their property.


National Environmental Health Consultants CC was requested by **Michael Pay** from **Adcon (Pty) Ltd** and **Jacque Gouws** from **Actaul Impact Group Consulting CC** to conduct the personal and static exposure survey on behalf of **Nampower Anixas Station – Walvis Bay** to assist them in complying with the legislative requirements.

It follows that all the results obtained in this survey were evaluated against the standards and requirements of the said Act [(2007, (Act 11 of 2007)], unless specifically stated otherwise.

3. SCOPE OF SERVICE

NEHC CC provided the personal and static services for the full duration of the **Asbestos Removal Monitoring** period at **Nampower Anixas Station – Walvis Bay**.

- Personal Exposure Sampling for Asbestos Removal conducted by personnel of **Adcon (Pty) Ltd** and **Actual Impact Group Consulting CC**;
- *Static Asbestos Sampling*;
- *Training and induction training*;

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- Non-conformances and mitigations;
- Clearance certificate after each demolishing of building
- Marking and identification of asbestos containing material;
- Overseeing of asbestos disposing process;
- Laboratory analyses of samples taken.

4. PHYSICAL ADDRESS OF THE REMOVAL SITE

New Western Street
Walvis Bay
Namibia

5. REFERENCES

| Name of Reference | Number of Reference |
|--|--------------------------------------|
| Labour Act, 1992 (Act 6 of 1992) as amended with the Labour Act 2007 (Act No. 11 of 2007) | Labour Act 2007 (Act No. 11 of 2007) |
| Code of Practice: Identification & Classification of Dangerous Substances and Goods for Transport | S.A.N.S.10228 |
| Code of Practice: Packaging of Dangerous Goods for Road and Rail Transportation in South Africa | S.A.N.S.10229 |
| Standard South Africa | SANS 192:2005 |
| HSE Publication | MDHS 39/4 and HSG 248 |
| NIOSH | METHOD: 7400, Issue 2 |
| Determination of Airborne Asbestos Fibre Concentrations at Work-places by Light Microscopy (<i>Membrane Filter Method</i>) | AIARTM - 1(RTM1), January 1982 |

6. DEFINITIONS / ABBREVIATIONS / ACRONYMS / TERMINOLOGY

6.1 Definitions:


“**action**” level for asbestos” means a time-weighted average concentration of regulated asbestos fibres in the work-place, which is equal to 50 per cent of the prescribed occupational exposure limit for asbestos;

“**AIARTM**” means the method of determining the concentration of airborne regulated asbestos fibres specified in the publication “Reference Method for the Determination of Airborne Asbestos Fibre Concentrations at Work-places by Light Microscopy (*Membrane Filter Method*)”, published by the Asbestos International Association as Recommended Technical Method No. 1(RTM1), January 1982;

“**asbestos**” means any of the fibrous mineral silicates belonging to rock-forming minerals of the serpentine group, including chrysotile, and the amphibole group, including actinolite, amosite, anthophyllite, crocidolite or tremolite, or any mixture containing one or more of these minerals;

“**asbestos dust**” means airborne particles or settled particles consisting of or containing asbestos which are liable to become airborne in the working environment;

“**asbestos fibre(regulated)**” means a particle of asbestos with length-to-diameter ratio greater than three to one, and with a length greater than five micrometres and a diameter of less than three micrometres;

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“asbestos process” means any processing or use of asbestos in raw mineral form, or materials containing asbestos, and includes the demolition of buildings or structures containing asbestos;

“amphibole group” means actinolite, amosite, anthophyllite, crocidolite, tremolite or any mixture containing one or more of these minerals;

“equivalent eight-hour exposure value” or “E8hEV” means the time weighted average exposure of an employee in any 24-hour period to a substance or level of a physical agent for a period of 8 hours, and if the period of exposure is more than or less than eight hours, the exposure is calculated by multiplying the measured concentration by a factor equal to the period of exposure in hours, divided by 8 hours;

“exposure limit” means the prescribed maximum time-weighted average concentration of a substance or level of a physical agent to which a person may be exposed without the likelihood of injurious effect, and which is measured in accordance with approved safety standards;

“exposure limit for asbestos” means an exposure limit for asbestos as prescribed by the competent authority, but not exceeding one regulated asbestos fibre per millilitre of air, measured in accordance with A.I.A. RTM1 or an equivalent measure;

“intake” includes inhalation, ingestion or being otherwise absorbed through the skin or mucous membranes;

“medical surveillance” means regular occupational health evaluation by an occupational health practitioner which may include both clinical and biological examinations and tests;


“respiratory protective equipment” means a device which is worn over not less than the mouth and nose to prevent the inhalation of air which is not safe, and which is of a type, or conforming to a standard, approved by the **Chief Inspector**;

“respirator zone” means an area where the concentration of airborne asbestos is equal or exceeds the prescribed occupational exposure limit for airborne asbestos; and

“time weighted average” means the average of representative measurements taken over a period of time and calculated in accordance with the AIA RTM1, or an equivalent measure.

6.2 Abbreviations:

- A.I.A.: **Approved Inspection Authority**
- PPE: **Personal Protective Equipment**
- RPE: **Respiratory Protective Equipment**
- OEL: **Occupational Exposure Limit**
- OHS Act: **Labour Act, 1992 (Act 6 of 1992) as amended with the Labour Act 2007 (Act No. 11 of 2007)**
- SANS: **South African National Standards**
- NEHC CC: **National Environmental Health Consultants CC**

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|---|--|--|---|

7. RESULTS FOR ASBESTOS TAKEN FROM SITE

Sampling of asbestos exposure was done by NEHC CC. *See attachment C*

8. DESCRIPTION OF NATURE OF WORK THAT HAVE BEEN CONDUCTED

8.1 *Personal and Static Sampling for Asbestos Removal Contractor – Adcon (Pty) Ltd and Actual Impact Group Consulting CC*

Measurements of exposure were in line with Chapter 5: Hazardous Substances, 2(1) Asbestos regulation, regulation 7. Measuring of Asbestos Exposure, made under the Labour Act 1992(Act 6 of 1992), as amended under the Labour Act 2007 (Act No.11 of 2007).

Employees of **Adcon (Pty) Ltd** and **Actual Impact Group Consulting CC** were observed and monitored during the actual removal action by personal and static area sampling as indicated in Table 1.

The methodology used to determine asbestos fibre concentration was the Asbestos International Association (AIA) Method No. 1 (RTM 1) Light microscopy and Membrane filter method.

Eleven (11) employees were involved in the asbestos demolishing and **Eleven (11)** employees were involved in the dumping, dumping was personally sampled during this period. The personal exposure sampling was done during **26th of July – 05th of August 2022 & 29th of August 2022**

Three (3) static samples were also placed in the areas where asbestos work was conducted during the duration of the project.

Gill-Air Personal samplers properly calibrated and checked prior and after each sampling period where used during this exposure time.

8.2 *Static Asbestos Sampling*

The formal removal and monitoring and dumping took place during **26th of July – 05th of August 2022 & 29th of August 2022**

1 x Control, 11 x Personal's, 11 x Static Area's, 6 x Blanks, 6 x Clearances and 4 x Suctions was used for this project. (*See Table 1 and Table 2*)


8.3 *Medical surveillance*

Refer to **Adcon (Pty) Ltd (Michael Pay Cell No: 081 128 8331)** and **Actual Impact Group Consulting CC (Jacque Gouws Cell No: 081 804 5679)**

8.4 *Personal Protective Equipment (PPE)*

Where **Adcon (Pty) Ltd** and **Actual Impact Group Consulting CC** employees engaged in the removal of asbestos containing material, they were provided with suitable asbestos personal protective equipment free of charge. Suitable PPE comprises of the following:

- 3M Particulate Respirator 6200 with
- 3M P3 Cartridge R6038 – water proof
- Hand Protection: GL – A 5600 KW 40cm double dip PVC glove
- Eye Protection: UVEX – 9197 Skyper – Rosal Lens Safety Glasses (*or similar*)
- Full body disposable coverall (Tyvec or Promax)
- Standard hardhat.

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- Rubber Wellington steel toecap boots.
- Standard earplugs – only when applicable
- All non-disposable PPE must be decontaminated in the respiratory zone before it is removed from the site.

8.5 Surveillance during removal activity:

NEHC CC was present during the removal of asbestos containing material at **Nampower Anixas Station – Walvis Bay**. This report covers Asbestos Removal Monitoring actions during **26th of July – 05th of August 2022** and **29th of August 2022** with results of personal and static monitoring done on the said date.

8.6 Non-conformances and mitigations:

Some mitigations were necessary.

1. The asbestos removal contractor had to change from Adcon Namibia (Pty) Ltd to Actual Impact Group CC (AIG) due to unexpected circumstances at Adcon.
2. After removal of initial visible asbestos containing materials as per the Work Plan approved through Ministry of Health some asbestos containing material was found under ground after excavations started.
3. Excavations were stopped and the found asbestos containing materials were correctly removed and cleaned by the approved removal contractor AIG and monitored by NEHC CC

No non-conformances were identified during this project.

8.7 Marking and identification of asbestos containing material:

All asbestos containing material demolished during the time period were marked and numbered in accordance to the building number and/or name.

The asbestos sheeting and small pieces materials of asbestos were stored in bags and sealed for the duration of the temporary storage time.

8.8 Overseeing of asbestos disposing process:

NEHC CC were present during the whole period of disposal at the Walvis Bay Hazardous Waste Disposal Site.

All vehicles which have been in contact with asbestos waste, were cleaned and decontaminated after use, in such a way that the vehicles did not cause a hazard inside or outside the workplace

No employees were allowed on any of the waste trucks during transportation.


A total of **21100kg** asbestos containing material were received and disposed of at the disposal site. **See Attachment F**

9. STATUTORY REQUIREMENTS

SCHEDULE 1(2) OCCUPATIONAL EXPOSURE LIMITS FOR AIRBORNE HAZARDOUS SUBSTANCES

2. (1) ASBESTOS REGULATIONS

Labour Act, 1992 (Act 6 of 1992) as amended with the Labour Act 2007 (Act No. 11 of 2007) Interpretation

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1. In this Schedule, unless the context otherwise indicates –

"action level for asbestos" means a time-weighted average concentration of regulated asbestos fibres in the work-place, which is equal to 50 per cent of the prescribed occupational exposure limit for asbestos;

"AIA RTM1" means the method of determining the concentration of airborne regulated asbestos fibres specified in the publication *"Reference Method for the Determination of Airborne Asbestos Fibre Concentrations at Work-places by Light Microscopy (Membrane Filter Method)"*, published by the Asbestos International Association as *Recommended Technical Method No. 1 (RTM1)*, January 1982;

"asbestos" means any of the fibrous mineral silicates belonging to rock-forming minerals of the serpentine group, including chrysotile, and the amphibole group, including actinolite, amosite, anthophyllite, crocidolite or tremolite, or any mixture containing one or more of these minerals;

"asbestos dust" means airborne particles or settled particles consisting of or containing asbestos which are liable to become airborne in the working environment;

"asbestos fibre (regulated)" means a particle of asbestos with a length-to-diameter ratio greater than three to one, and with a length greater than five micrometres and a diameter of less than three micrometres;

Duties of Employees


6. (1) An employee who works with asbestos or material containing asbestos shall abide by any instructions given to him or her by or on behalf of his or her employer in compliance with these regulations and in regard to -
 - (a) the prevention of asbestos dust from being released into the environment;
 - (b) the wearing and use of personal protective equipment and clothing as prescribed by these, or any other, regulations;
 - (c) the wearing of personal samplers, when necessary, to measure personal exposure to asbestos; and
 - (d) the disposal of waste material containing asbestos and the cleaning of any premises at which asbestos or material containing asbestos has been used, handled or processed.

- (2) If two or more employees simultaneously undertake activities at a work-place involving asbestos processes, they shall co-operate in order to comply with these regulations, without diminishing in any way whatsoever the responsibility of each one of them to comply with such regulations.

Measuring of Exposure

7. (1) An employer shall ensure that the concentrations of regulated asbestos fibres in the air to which employees are, or are likely to be, exposed at any work-place, are measured in accordance with this regulation.

- (2) An employer shall ensure that the measurements contemplated in subparagraph (1) are
 - (a) taken at a time determined after consultation with the work-place safety representative and work-place safety committee, if any, established for such work-place in terms of regulation 186;
 - (b) taken by an approved inspection authority or by a person whose ability to do such measurements is readily verifiable by an approved inspection authority;
 - (c) taken in accordance with AIA RTM1 or equivalent;
 - (d) representative of the personal exposure of employees to regulated asbestos

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- (e) fibres in the work-place, in accordance with subparagraph (3); and verified in accordance with subparagraph (4), if such measurements have been carried out by a person who is not an approved inspection authority.
- (3) In order to comply with subparagraph (2)(d), the employer shall institute and record in writing a planned programme of measurement of exposure of employees to regulated asbestos fibres as follows:
 - (a) The total number of potentially exposed employees shall be divided into groups of employees doing identical or similar tasks in the same work-place . . .

| SUBSTANCE: | | OCCUPATIONAL EXPOSURE LIMITS | | |
|---------------------|-----------|------------------------------|------------|------------------------|
| SUBSTANCE | TWA P.P.M | TWA mg/m ³ | STEL P.P.M | STEL mg/m ³ |
| ASBESTOS, ALL FORMS | - | 0.5 fibre/cc | - | - |

9.1 Instrumentation and Methods

a) Method

A 25 mm cellulose nitrate membrane (MCE) filter is conditioned with one reference filter of the same batch. The personal sampler namely Gill-Air sampling pump was used. The essential features of all systems are a collection substrate such as a filter and a pump for drawing the air through it, the collection substrate for asbestos using 0.8-µm, 25-mm diameter MCEF cassettes. The filters must be contained in an electrically conductive cassette assembly that includes a 50-mm extension cowl. In personal sampling, the sampling head is attached to the wearer in the breathing zone and the pump is connected to it by a length of flexible tubing and worn on a belt, harness, or in a pocket.

Methodology procedures are based on the following legislation, codes of practice, standards and definitions unless specifically stated otherwise.

To determine the asbestos fibre quantity of the sample, the following test method was used:
 Test : Asbestos Counts by PC Microscopy
 Method : MDHS 39/4 and HSG 248

b) Instrumentation:

| | |
|-----------------------------|-------------------------|
| Pump 4 – Serial 20110601024 | Pump 21 – Serial 504112 |
| Pump 1 – Serial 2007701001 | Pump 10 – Serial 50210 |
| Pump 3 – Serial 701003 | |

Pumps was calibrated by a Gilibrator 2 Primary flow calibrator base serial no. 002013 - B and cell serial no. 19918-S.

An Anemometer Vane Probe with serial No: 114 was used to measure windspeeds.


9.2 Results

Results of Asbestos Sampling performed during the period of **26th of July – 05th of August 2022** and **29th of August 2022** at **Nampower Anixas Station – Walvis Bay**.

Test: Personal Sampling for Asbestos:
Method: MDHS 39/4 and HSG 248

Table 1:

Personal, Static and Clearance samples for **Asbestos Removal** that took place during **26th of July – 05th of August 2022** at **Nampower Anixas Station – Walvis Bay**.

| | | | |
|--|---|--|--|
| Date: 26 th of July – 05 th of August 2022 & 29 th of August 2022 | Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual Impact Group Consulting CC | Occupational Hygienist Johan Cornelissen  | Project No: 2022/ 122 / E 2022/ 236 / H |
|--|---|--|--|

| No. | Date | Start Time | End Time | Sample | Type | Name/Area Exposed | No. of Fibres | No. of Field | Fibre Density f/mm ² | Fibre Conc. f/ml |
|-----|------------|------------|----------|---------|-----------|---------------------------------------|-----------------|--------------|---------------------------------|------------------|
| 1 | 26/07/2022 | 10:26 | 14:30 | A000366 | Clearance | Pre-Clearance in D5 | 0 | 200 | 0.0000 | 0.0000 |
| 2 | 26/07/2022 | 10:29 | 14:34 | A000372 | Clearance | Pre-Clearance in D4 | 0 | 200 | 0.0000 | 0.0000 |
| 3 | 26/07/2022 | 10:32 | 14:36 | A000377 | Clearance | Pre-Clearance in D1 | 0 | 200 | 0.0000 | 0.0000 |
| 4 | 27/07/2022 | 08:17 | 12:00 | A000378 | Personal | Hendrik on Roof | 0 | 100 | 0.0000 | 0.0000 |
| 5 | 27/07/2022 | 08:18 | 12:04 | A000379 | Personal | Onesmus on Ground | 0 | 100 | 0.0000 | 0.0000 |
| 6 | 27/07/2022 | 08:25 | 13:42 | A000370 | Static | West Side of Building | 0 | 200 | 0.0000 | 0.0000 |
| 7 | 27/07/2022 | 08:06 | 13:50 | A000380 | Static | In front of Building On Boundary Wall | 0 | 200 | 0.0000 | 0.0000 |
| 8 | 27/07/2022 | 13:52 | 13:54 | A000369 | Blank | NEHC | 0 | 100 | 0.0000 | 0.0000 |
| 9 | 28/07/2022 | 12:00 | 16:00 | A000367 | Personal | Sakkie on Roof | 1 | 100 | 1.2732 | 0.0020 |
| 10 | 28/07/2022 | 10:40 | 16:02 | A000368 | Personal | Onesmus on Ground | *Over – Exposed | 100 | *Over – Exposed | *Over – Exposed |
| 11 | 28/07/2022 | 12:00 | 16:05 | A000385 | Static | In front of Building On Boundary Wall | 0 | 200 | 0.0000 | 0.0000 |
| 12 | 28/07/2022 | 12:00 | 16:07 | A000361 | Static | Between D4 and D5 | 11 | 200 | 7.0028 | 0.0054 |
| 13 | 28/07/2022 | 16:09 | 16:10 | A000340 | Blank | NEHC | 0 | 100 | 0.0000 | 0.0000 |
| 14 | 29/07/2022 | 09:11 | 13:25 | A000373 | Personal | Fredrick Moses on Roof | 0 | 100 | 0.0000 | 0.0000 |
| 15 | 29/07/2022 | 09:15 | 13:26 | A000351 | Personal | Onesmus on Ground | 0 | 100 | 0.0000 | 0.0000 |
| 16 | 29/07/2022 | 09:20 | 14:47 | A000362 | Static | In front of Building On Boundary Wall | 0 | 200 | 0.0000 | 0.0000 |
| 17 | 29/07/2022 | 09:25 | 14:40 | A000147 | Static | Between D4 and D5 | 0 | 200 | 0.0000 | 0.0000 |
| 18 | 29/07/2022 | 14:52 | 14:53 | A000344 | Blank | NEHC | 0 | 100 | 0.0000 | 0.0000 |
| 19 | 01/08/2022 | 09:00 | 12:45 | A000348 | Personal | Elifas on Roof | 0 | 100 | 0.0000 | 0.0000 |
| 20 | 01/08/2022 | 08:34 | 12:50 | A000360 | Personal | Onesmus on Ground | 0 | 100 | 0.0000 | 0.0000 |
| 21 | 01/08/2022 | 09:00 | 13:00 | A000349 | Static | In front of D5 on Boundary Wall | 0 | 200 | 0.0000 | 0.0000 |
| 22 | 01/08/2022 | 09:00 | 13:02 | A000355 | Static | North West Between D4 and D5 | 0 | 200 | 0.0000 | 0.0000 |
| 23 | 01/08/2022 | 13:04 | 13:05 | A000347 | Blank | NEHC | 0 | 100 | 0.0000 | 0.0000 |
| 24 | 01/08/2022 | 09:00 | 13:00 | A000358 | Clearance | Post Clearance in D1 | 0 | 200 | 0.0000 | 0.0000 |
| 25 | 02/08/2022 | 12:17 | 16:34 | A000342 | Clearance | Post Clearance in D4 | 0 | 200 | 0.0000 | 0.0000 |
| 26 | 02/08/2022 | 12:20 | 16:36 | A000359 | Clearance | Post Clearance in D5 | 2 | 200 | 1.2732 | 0.0009 |
| 27 | 05/08/2022 | 08:54 | 14:44 | A000404 | Personal | Sakkie – Pipe Removal | 3 | 100 | 3.8197 | 0.0041 |
| 28 | 05/08/2022 | 08:55 | 14:45 | A000363 | Static | Near Pipe removal Area | 0 | 200 | 0.0000 | 0.0000 |
| 29 | 05/08/2022 | 14:47 | 14:48 | A000354 | Blank | NEHC | 0 | 100 | 0.0000 | 0.0000 |

*0.5 fibre/cc

Table 2:

Personal, Static and Clearance samples for Asbestos Removal that took place during 29th of August 2022 at Nampower Anixas Station – Walvis Bay.

| No | Date | Start Time | End Time | Sample | Type | Name/Area Exposed | No. of Fibres | No. of Field | Fibre Density f/mm ² | Fibre Conc. f/ml |
|----|------------|------------|----------|---------|----------|---|---------------|--------------|---------------------------------|------------------|
| 1 | 29/08/2022 | 11:50 | 14:30 | A000423 | Personal | Paulis Paulis | 9 | 100 | 11.4592 | 0.0272 |
| 2 | 29/08/2022 | 11:52 | 14:30 | A000430 | Static | Near blocks being Demolished, Building side | 11 | 200 | 7.0028 | 0.0084 |

| | | | |
|--|---|--|--|
| Date: 26 th of July – 05 th of August 2022 & 29 th of August 2022 | Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC | Occupational Hygienist Johan Cornelissen | Project No: 2022/ 122 / E 2022/ 236 / H |
|--|---|--|--|

| No | Date | Start Time | End Time | Sample | Type | Name/Area Exposed | No. of Fibres | No. of Field | Fibre Density f/mm ² | Fibre Conc. f/ml |
|----|------------|------------|----------|---------|-----------|---|---------------|--------------|---------------------------------|------------------|
| 3 | 29/08/2022 | 15:10 | 15:15 | A000427 | Clearance | Suction Clearance -On concrete block | 0 | 200 | 0.0000 | 0.0000 |
| 4 | 29/08/2022 | 16:10 | 16:15 | A000429 | Clearance | Suction Clearance Back on truck bed | 0 | 200 | 0.0000 | 0.0000 |

Table 3:

Personal, Static and Clearance samples that were taken during the **Asbestos Dumping on 24th of August 2022.**

| No | Date | Start Time | End Time | Sample | Type | Name/Area Exposed | No. of Fibres | No. of Field | Fibre Density f/mm ² | Fibre Conc. f/ml |
|----|------------|------------|----------|---------|-----------|---|---------------|--------------|---------------------------------|------------------|
| 1 | 04/08/2022 | 09:00 | 15:35 | A000403 | Personal | Sylvanus | 0 | 100 | 0.0000 | 0.0000 |
| 2 | 04/08/2022 | 09:05 | 15:30 | A000405 | Static | Near dump wall | 0 | 200 | 0.0000 | 0.0000 |
| 3 | 04/08/2022 | 12:09 | 12:15 | A000396 | Clearance | Suction Clearance On Truck – N123-363 W | 0 | 200 | 0.0000 | 0.0000 |
| 4 | 04/08/2022 | 15:53 | 15:58 | A000414 | Clearance | Suction Clearance On Truck – N217-603 W | 0 | 200 | 0.0000 | 0.0000 |
| 5 | 04/08/2022 | 15:37 | 15:39 | A000400 | Blank | NEHC | 0 | 100 | 0.0000 | 0.0000 |

*0.5 fibre/cc

9.3 Discussion of Results

Table 1 & 2:

The results in Table 1 & 2 reflect the Personal, Static and Clearance samples and the total Asbestos Fibre concentration that were taken during the **Asbestos Removal at Nampower Anixas Station – Walvis Bay.**

Table 3:

The results in Table 2 reflect the Personal, Static and Clearance samples and the total Asbestos Fibre concentration that were taken during the **Dumping Monitoring at Walvis Bay Hazardous Dumpsite.**

One (1) control and **Six (6)** blank samples were taken during the duration of the survey.

From the Personal, Static and Clearance Sampling Results obtained none of the samples tested above the statutory limit of 0.5 fibre/cc and **Five (5)** samples have traces of Asbestos Fibres but should not pose a health risk to employees working in those areas during the demolishing action.

Note:

One (1) samples tested was over exposed and this may be a health risk for employees working in this area during the demolishing action.

9.4 Wind speed and direction

It was necessary to continually keep the wind speed and direction into consideration during the removal action to prevent asbestos fibres being released into the air.

The handling of any asbestos materials is stopped at 15 – 20 km/h or \pm 5 m/s.

Table 3:

Wind speed and direction measurements taken during the **Asbestos Removal 26th of July – 05th of August 2022 at Nampower Anixas Station – Walvis Bay.**

| | | | |
|---|--|---|---|
| Date: 26 th of July – 05 th of August 2022 & 29 th of August 2022 | Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual Impact Group Consulting CC | Occupational Hygienist Johan Cornelissen | Project No: 2022/ 122 / E 2022/ 236 / H |
|---|--|---|---|

| WIND AVERAGE | | | |
|--------------|-------|------------|----------|
| Date | Time | Direction | Wind m/s |
| 27/07/2022 | 08:00 | South West | 2.2 |
| 27/07/2022 | 09:17 | South West | 2.4 |
| 27/07/2022 | 10:22 | South West | 2.4 |
| 27/07/2022 | 12:25 | South West | 1.6 |
| 27/07/2022 | 13:20 | South West | 1.4 |
| 28/07/2022 | 09:00 | West | 2.5 |
| 28/07/2022 | 10:00 | West | 1.2 |
| 28/07/2022 | 13:25 | South West | 2.5 |
| 28/07/2022 | 15:30 | South West | 1.8 |
| 29/07/2022 | 09:38 | South West | 1.5 |
| 29/07/2022 | 10:28 | South West | 2.4 |
| 29/07/2022 | 11:44 | South West | 2.1 |
| 29/07/2022 | 13:20 | South West | 1.4 |
| 07/08/2022 | 08:39 | West | 2.5 |
| 01/08/2022 | 09:40 | West | 2.6 |
| 01/08/2022 | 10:40 | West | 2.3 |
| 01/08/2022 | 12:00 | West | 1.8 |
| 05/08/2022 | 09:00 | Calm | 0.0 |
| 05/08/2022 | 10:22 | Clam | 0.0 |
| 05/08/2022 | 11:48 | West | 1.9 |
| 05/08/2022 | 13:00 | West | 2.0 |

The following wind directions were noted during this time:

- South West 52.4%
- West 38.1%
- Calm 9.5%

The predominant wind direction over the period measured was South West.

Table 4:

Wind speed and direction measurements taken during the **Asbestos Removal 29th of August 2022 at Nampower Anixas Station – Walvis Bay.**

| WIND AVERAGE | | | |
|--------------|-------|------------|----------|
| Date | Time | Direction | Wind m/s |
| 29/08/2022 | 11:50 | South East | 2.4 |
| 29/08/2022 | 12:40 | South East | 2.1 |
| 29/08/2022 | 13:40 | South East | 3.7 |
| 29/08/2022 | 16:00 | East | 4.1 |

The following wind directions were noted during this time:

- South East 75%
- East 25%

The predominant wind direction over the period measured was South East.

Table 5:

Wind speed and direction measurements taken during the **Asbestos Dumping on 04th of August 2022 at Walvis Hazardous Dumpsite.**

| WIND AVERAGE | | | |
|--------------|-------|------------|----------|
| Date | Time | Direction | Wind m/s |
| 04/08/2022 | 11:20 | South | 0.5 |
| 04/08/2022 | 13:02 | South West | 2.3 |
| 04/08/2022 | 14:16 | South West | 3.0 |
| 04/08/2022 | 15:00 | South West | 2.9 |

The following wind directions were noted during this time:

- South 25%

| | | | |
|--|---|--|--|
| Date: 26 th of July – 05 th of August 2022 & 29 th of August 2022 | Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC | Occupational Hygienist Johan Cornelissen | Project No: 2022/ 122 / E 2022/ 236 / H |
|--|---|--|--|

- South West 75%

The predominant wind direction over the period measured was South West.

9.5 Conclusion


The measured airborne contaminants were below the statutory limit and should not pose a health risk to employees.

9.6 Recommendations

Although only one (1) sample was "over exposed", It is recommended that **Adcon (PTY) Ltd** and **Actual Impact Group Consulting CC** personnel will be sent to the Occupational Medical Practitioner 6 months after the completion of this project and there after yearly, due to their operation activity as Asbestos removal contractor. This information must be put on file and records must be kept for 30 years.


Before commencing with any asbestos removal:

- A safe working procedure must be in place.
- Necessary training must be done to exposed employees.
- All redundant asbestos must be cleaned, collected and disposed of at an approved waste site.
- Records must be kept for all asbestos removal.
- Personal exposure monitoring must be conducted during any asbestos relating removal and records in this regard must be kept for at least 50 years.

| | | | |
|---|--|--|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual Impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|---|--|--|---|

Attachment A:

CERTIFICATES OF REGISTRATION, CALIBRATION & INTERNAL VERIFICATION

| | | | |
|--|---|--|--|
| Date: 26 th of July – 05 th of August 2022 & 29 th of August 2022 | Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC | Occupational Hygienist Johan Cornelissen  | Project No: 2022/ 122 / E 2022/ 236 / H |
|--|---|--|--|



REPUBLIC OF NAMIBIA

MINISTRY OF LABOUR, INDUSTRIAL RELATIONS AND EMPLOYMENT CREATION

Tel: +264 61 2066111

Private Bag 1003

Fax: +264 61 212 121

1, Mercedes Street

Website: www.milrc.gov.na Email: info@milrc.gov.na

Windhoek

Our Ref: 02/22 Year: 2022

WINDHOEK, Namibia

Certificate of Registration as an Approved Inspection Authority

in terms of Regulation 15 of the Regulations relating to Health and Safety of Employees at work made under

Schedule 1(2) of the Labour Act, 2007(Act 1 of 2007)

Authorisation Number: **A.I.A. 22/15**

This is to certify that: **National Environmental Health Consultants CC**
P.O. Box 8416
Swakopmund

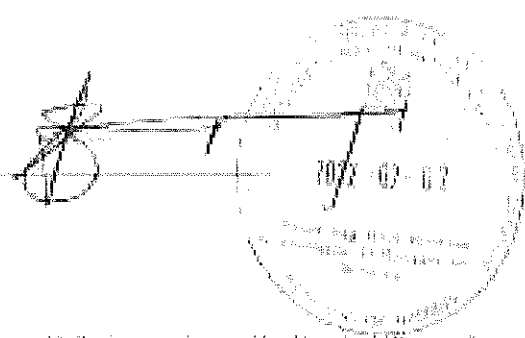
Has been approved as an Inspection Authority

| Approved competences | Name of the only person who is deemed competent to render the approved services |
|--|---|
| Occupational Hygiene, Noise, Dust, Illumination, Temperature, Stress, Ventilation, Ergonomics, Lead, Asbestos, Radiation, Vibration and Ecological Monitoring, Training ISO 9001, 14001 and OHSAS 18001 Implementation, OSH Training and Audiometric | Johan Cornelissen (ID No: 0604855019086) |

From: 02 February 2022 - 02 February 2023

Chief Inspector:

Mr. S. Kapeng



All official correspondence should be addressed to the Personnel Director

| | | | |
|--|---|---|--|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual Impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|--|---|---|--|



CERTIFICATE OF ACCREDITATION

In terms of section 22(2)(b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC
 Co. Reg. No.: 1996/044367/23
 SWAKOPMUND, NAMIBIA

Facility Accreditation Number: **OH0057**

is a South African National Accreditation System accredited Inspection Body to undertake **TYPE A** inspection provided that all SANAS conditions and requirements are complied with

This certificate is valid as per the scope as stated in the accompanying schedule of accreditation, Annexure "A", bearing the above accreditation number for

OCCUPATIONAL HYGIENE INSPECTION AT WORKPLACES

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17020:2012


The accreditation demonstrates technical competency for a defined scope and the operation of a management system

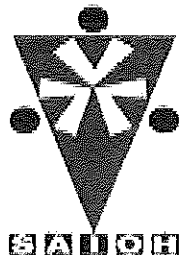
While this certificate remains valid, the Accredited Facility named above is authorised to use the relevant SANAS accreditation symbol to issue facility reports and/or certificates

Mr R Josias
 Chief Executive Officer
 Effective Date: 03 October 2018
 Certificate Expires: 02 October 2022

This certificate does not on its own confer authority to act as an Approved Inspection Authority as contemplated in the Occupational Hygiene Regulations. Approval to inspect within the regulatory domain is granted by the Department of Labour



| | | | |
|--|--|---|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|--|--|---|---|



The Southern African Institute for Occupational Hygiene

This is to certify that

Johan Cornelissen J

ID Number: 6504085010006

Has satisfied the requirements of
the Constitution of the Institute
and on recommendation of the Professional Certification Committee
is registered as an

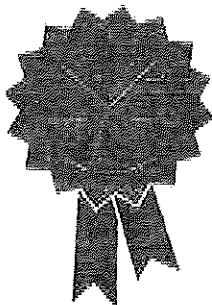
Occupational Hygienist (OH)

Member Number: 0159

Valid until: 31 January 2021

Usha Gungah Phonsa

Chairperson: Professional Certification Committee



Member No: 0159

Valid until: 31 January 2021


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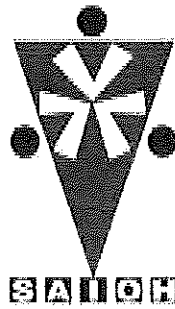
By: jpc

SAIOH Professional Certification Committee

IOHA Recognised
Certification Scheme



| | | | |
|---|--|--|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|---|--|--|---|



The Southern African Institute for Occupational Hygiene

Herein to certify that

Leonie Cornelissen

ID Number: 6894070000169

Has satisfied the requirements of
the Constitution of the Institute
and on recommendation of the Professionals Certification Committee
is registered as an

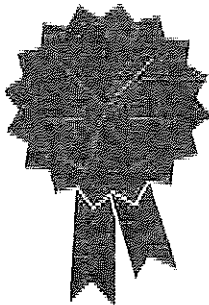
Occupational Hygiene Assistant (OHA)

Member Number: 1447

Expiry date: 31 January 2024

Elaine Cornelia Pama

Chairperson, Professional Certification Committee



Member No: 1447

Expiry date: 31 January 2024


Issued by: SAIOH Professional Certification Committee

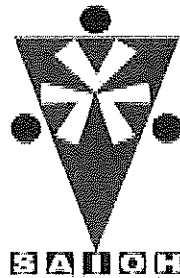
1/2/2022

SAIOH Professional Certification Committee

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Certification Scheme



| | | | |
|---|--|--|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|---|--|--|---|



The Southern African Institute for Occupational Hygiene

This is to certify that

Jorita Alberts

ID Number: 0005240037

Has satisfied the requirements of
the Constitution of the Institute
and on recommendation of the Professionals Certification Committee
is registered as an

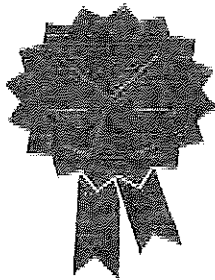
Occupational Hygiene Assistant (OHA)

Member Number: 1448

valid until 31 October 2023

Elsie Lemella Phiso


Chairperson: Professionals Certification Committee

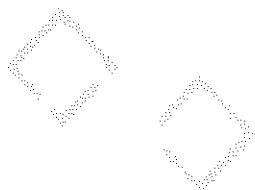


Occupational Hygiene Assistant
Occupational Hygiene Assistant
Occupational Hygiene Assistant
Occupational Hygiene Assistant
Occupational Hygiene Assistant

IOHA Recognised
Certification Scheme



| | | | |
|---|--|--|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|---|--|--|---|



Reg No: CC/2005/0574
 Namibia
 P.O. Box 8416
 SWAKOPMUND
 NAMIBIA
 Tel: +264 64-404 146
 Fax: +264 64-404 179
 E-mail: info@nehcafrica.com

NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC

Approved Inspection Authority A.I.A 22/15

2022 - 044

CERTIFICATE FOR INTERNAL VERIFICATION

CONTACT : Ms. Jorita Alberts
 REFERENCE NUMBER : 2022-044
 PRE CALIBRATION DATE : 05/07/2022
 POST CALIBRATION DAE : 08/08/2022
 CLIENT NAME : ADCON (Pty) Ltd—Anixas Station
 PROJECT NUMBER : 2014/038/C

CALIBRATION RESULTS

Calibrator : (Glibrator 2)
Serial Number : (002013-B / 19918-S)
Method : EQP-SOP-511

Asbestos

| Serial No. | Pre - Calibration | Post - Calibration | Deviation % |
|---------------|-------------------|--------------------|-------------|
| 4—20110601024 | 2015 | 2026 | <5% |
| 1—2007701001 | 2020 | 1990 | <5% |
| 21—504112 | 2007 | 2049 | <5% |
| 10—5010 | 1005 | 1001 | <5% |
| 3—701003 | 1011 | 1044 | <5% |

*Deviations are more than 5% (>5)

Date: 08/08/2022

Alberts

J. Alberts
 Instrument Co-ordinator

| | | | |
|---|--|---|---|
| Date: 26 th of July – 05 th of August 2022 & 29 th of August 2022 | Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC | Occupational Hygienist Johan Cornelissen | Project No: 2022/ 122 / E 2022/ 236 / H |
|---|--|---|---|



Private Bag X34, Lynnwood Ridge, Pretoria 0040
 CS-R Campus, Meiring Naude Road, Brumaeria 0184
 Calibration office: +27 12 841 4623
 Reception: +27 12 841 4152
 Fax: +27 12 841 4655
 E-mail enquiries: info@nmisa.org

Certificate of Calibration

| | |
|---------------------------------|---|
| Calibration of: | Bubble Flow Meter |
| Manufacturer: | Gilian Instrument Corp. |
| Model number: | Gilian Gilibrator-2 |
| Serial number: | 002013-B & 19918-S |
| Calibrated for: | National Environmental Health Consultants, Woker Street No.2, Vineta, Swakopmund, Namibia |
| Location of calibration: | NMISA Flow Laboratory - Building 5 |
| Calibration procedure: | FLIGF-0020 |
| Period of calibration: | 18 April 2021 |

1 PROCEDURE

The unit under test was calibrated against a Fluke Laminar Flow Element gas flow reference standard:

- 1) 5E3-VCR-V-Q molbloc-L Laminar Element (S/N 7027) & molbox1+ A700K-A mass flow terminal (S/N 2342)

For this calibration, the unit under test was connected to the outlet of the reference standard. Readings were taken at selected flow rates. Nitrogen gas (purity level 5.0 – 99.999%) was used as the flow medium.


A nitrogen gas cylinder supplied gas through the reference standard and a mass flow controller to the unit under test. The gas flow was controlled to be in close proximity to the desired nominal flow rate. Measurements from the unit under test and the reference standard were recorded simultaneously and the correction calculated. The reference standard corrected the flow readings to a temperature of 23 °C and atmospheric pressure of 760 mmHg.

| | | |
|--|--|---------------------------------|
| Calibrated by M Dlamini Metrologist (Technical Signatory) | Checked by M Molefe Metrologist | For Chief Executive Officer |
| Date of issue 20 April 2021 | Page 1 of 2 | Certificate number FLIG-1375 |

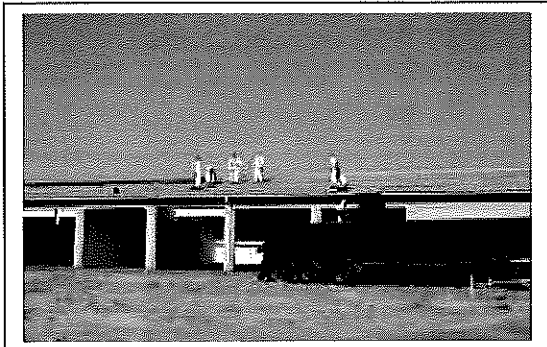
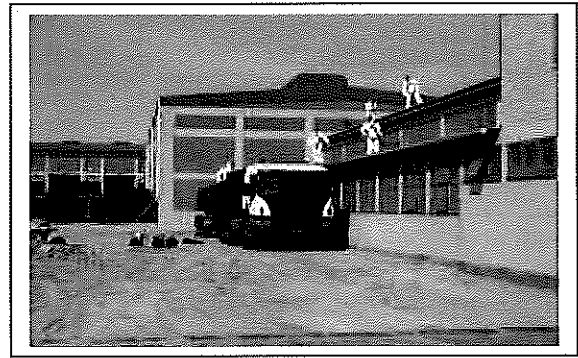
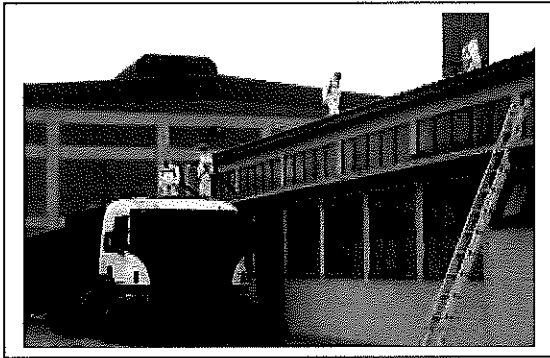
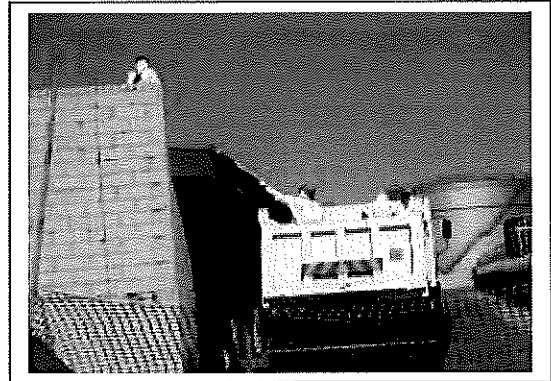
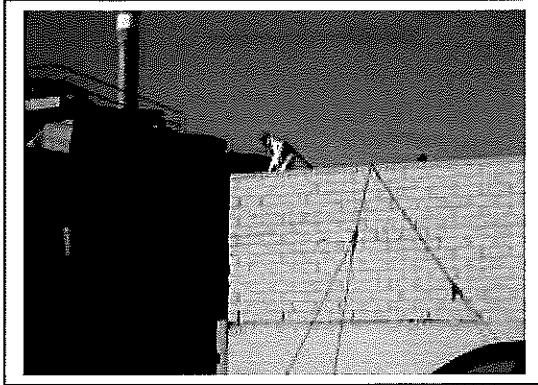
Your measure of excellence

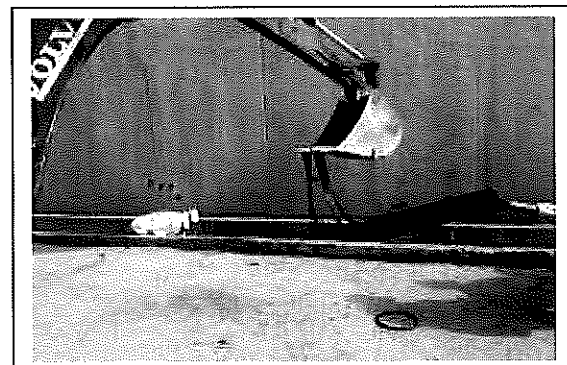
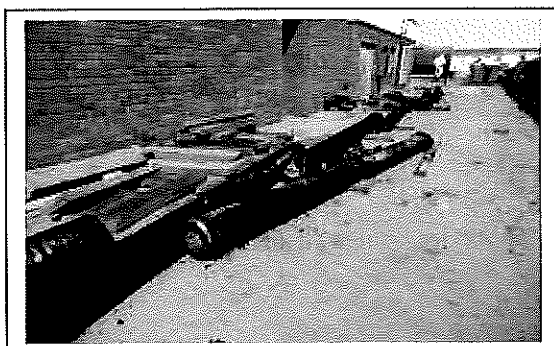
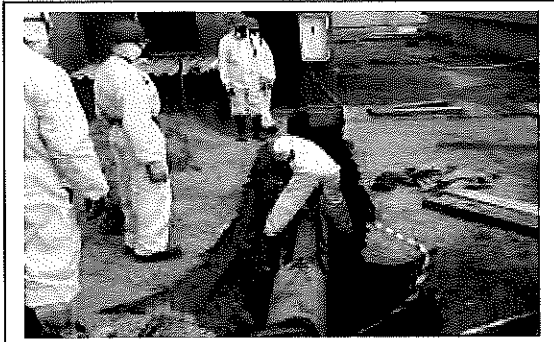
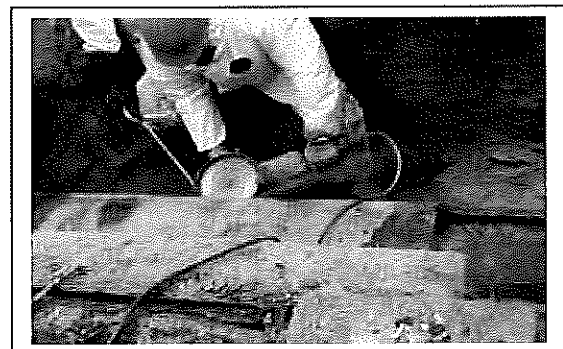
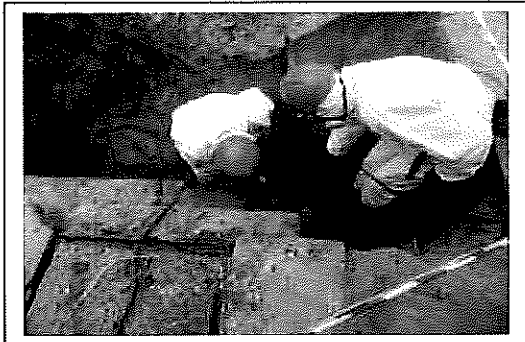
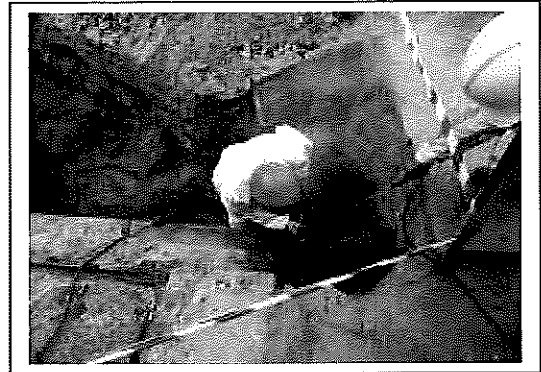
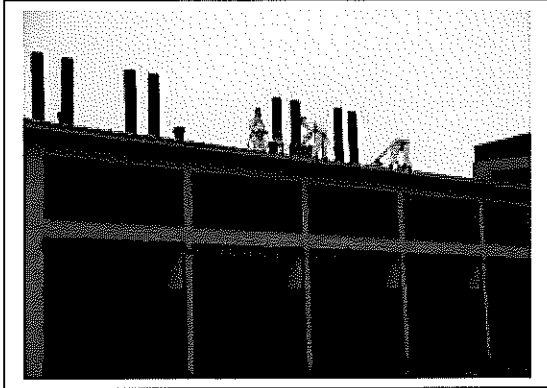
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|--|---|--|--|
| Date: 26 th of July – 05 th of August 2022 & 29 th of August 2022 | Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC | Occupational Hygienist Johan Cornelissen | Project No: 2022/ 122 / E 2022/ 236 / H |
|--|---|--|--|

Attachment B: SITE PHOTOS

| | | | |
|---|--|--|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|---|--|--|---|

**Photos taken during the activity
Removal of Asbestos**





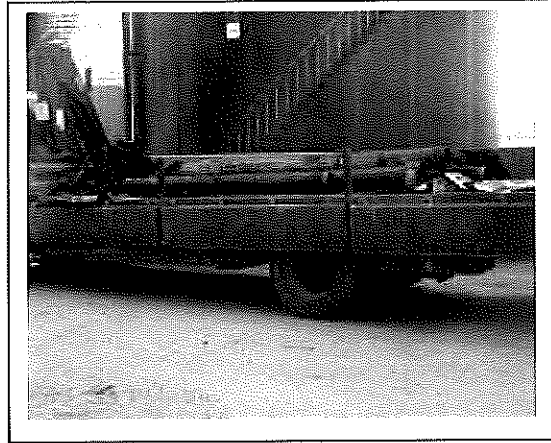
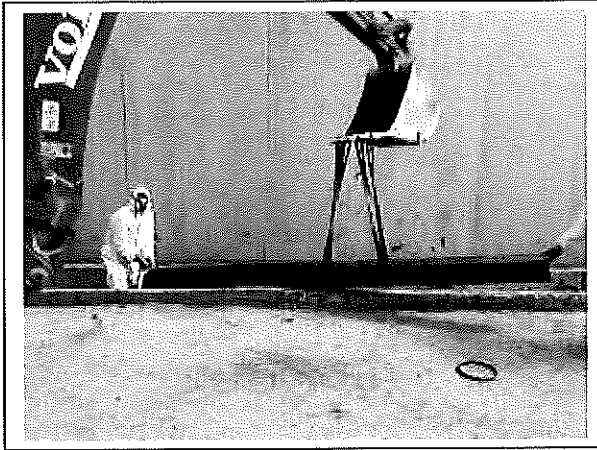
Date:
26th of July – 05th of
August 2022 & 29th of
August 2022

Company:
Adcon (Pty) Ltd – Nampower Anixas Station
Actual impact Group Consulting CC

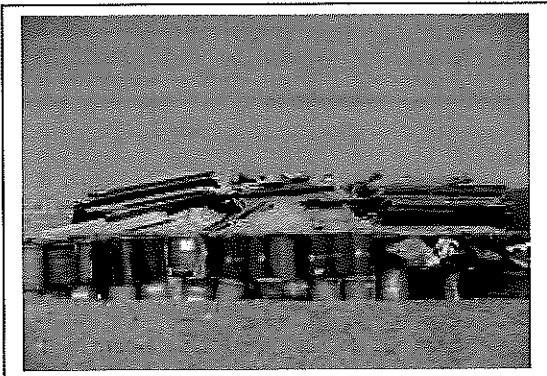
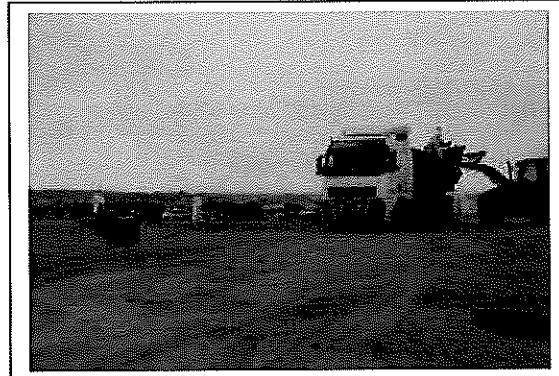
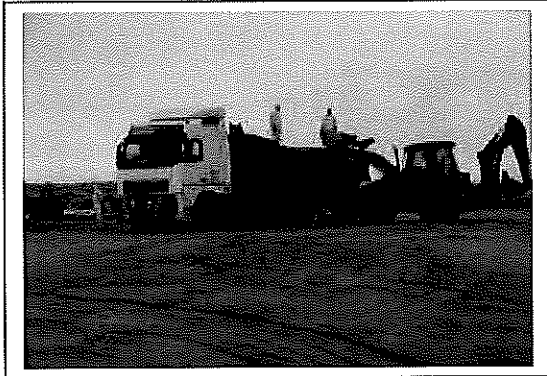
Occupational Hygienist
Johan Cornelissen



Project No:
2022/ 122 / E
2022/ 236 / H



Photos taken during the activity
Dumping of Asbestos



Date:
26th of July – 05th of
August 2022 & 29th of
August 2022


Company:
Adcon (Pty) Ltd – Nampower Anixas Station
Actual Impact Group Consulting CC

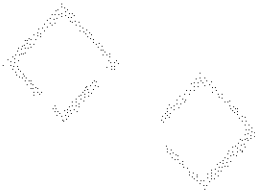
Occupational Hygienist
Johan Cornelissen

Project No:
2022/ 122 / E
2022/ 236 / H

ATTACHMENT C

LAB RESULTS

| | | | |
|---|--|--|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|---|--|--|---|



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 Fax: +264 64-404 179

NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC

Approved Inspection Authority AIA 22/15

CERTIFICATE OF ANALYSIS

NEHC2022-021

CONTACT : Ms. Jorita Alberts
 CLIENT NAME : Adcon (Pty) Ltd – Nampower Anixas Station
 PROJECT REFERENCE NUMBER : 2022/122/E
 DATE RECEIVED : 19/08/2022
 SAMPLE NUMBERS : A000358,A000342,A000359,A000366,A000372,A000377,A000378
 A000379,A000370,A000380,A000396,A000367,A000368,A000385.

TEST RESULTS

Analysis for 14 filters as received

Test : Asbestos Fibres in Air
 Method : MDHS Method 39/4 & Guide HSG 248

| Sample No. | No. of Fibres | No. of Fields |
|------------|---------------|---------------|
| A000358 | 0 | 200 |
| A000342 | 0 | 200 |
| A000359 | 2 | 200 |
| A000366 | 0 | 200 |
| A000372 | 0 | 200 |
| A000377 | 0 | 200 |
| A000378 | 0 | 100 |
| A000379 | 0 | 100 |
| A000370 | 0 | 200 |
| A000380 | 0 | 200 |
| A000369 | 0 | 100 |
| A000367 | 1 | 100 |
| A000368 | *Over—Exposed | 100 |
| A000385 | 0 | 200 |

*Results in number of fibres per number of fields counted

Negative and very low for Asbestos.

Alberts

J. Alberts

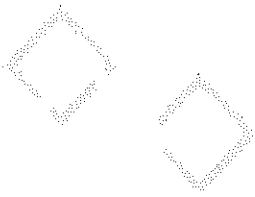
Laboratory Manager

Doc No: (A)EHE-404

Rev. 03

Date: 1 June 2016

| | | | |
|---|--|---|---|
| Date: 26 th of July – 05 th of August 2022 & 29 th of August 2022 | Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC | Occupational Hygienist Johan Cornelissen | Project No: 2022/ 122 / E 2022/ 236 / H |
|---|--|---|---|



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NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC

Approved Inspection Authority A.I.A 22/25

CERTIFICATE OF ANALYSIS

NEHC2022-022

CONTACT : Ms. Jorita Alberts
 CLIENT NAME : Adcon (Pty) Ltd – Nampower Anixas Station
 PROJECT REFERENCE NUMBER : 2022/122/E
 DATE RECEIVED : 19/08/2022
 SAMPLE NUMBERS : A000361, A000340, A000373, A000351, A000362, A00147, A000344, A000348, A000360, A000349, A000355, A000347, A000403, A000405.

TEST RESULTS

Analysis for 14 filters as received

Test : Asbestos Fibres In Air
 Method : MDHS Method 39/4 & Guide HSG 248

| Sample No. | No. of Fibres | No. of Fields |
|------------|---------------|---------------|
| A000361 | 11 | 200 |
| A000340 | 0 | 100 |
| A000373 | 0 | 100 |
| A000351 | 0 | 100 |
| A000362 | 0 | 200 |
| A000147 | 0 | 200 |
| A000344 | 0 | 100 |
| A000348 | 0 | 100 |
| A000360 | 0 | 100 |
| A000349 | 0 | 200 |
| A000355 | 0 | 200 |
| A000347 | 0 | 100 |
| A000403 | 0 | 100 |
| A000405 | 0 | 200 |

*Results in number of fibres per number of fields counted

Negative and very low for Asbestos.


J. Alberts

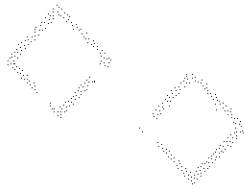
Laboratory Manager

Doc. No. LAB-FRM-004

REV 03

Date: 3 June 2016

| | | | |
|--|---|---|--|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|--|---|---|--|



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NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC

Approved Inspection Authority AJA 22/15

CERTIFICATE OF ANALYSIS

NEHC2022-023

CONTACT : Ms. Jorita Alberts
 CLIENT NAME : Adcon (Pty) Ltd – Nampower Anixas Station
 PROJECT REFERENCE NUMBER : 2022/122/E
 DATE RECEIVED : 19/08/2022
 SAMPLE NUMBERS : A000396, A000414, A000400, A000404, A000363, A000354.

TEST RESULTS

Analysis for 6 filters as received

Test : Asbestos Fibres in Air
 Method : MDHS Method 39/A & Guide HSG 248

| Sample No. | No. of Fibres | No. of Fields |
|------------|---------------|---------------|
| A000396 | 0 | 200 |
| A000414 | 0 | 200 |
| A000400 | 0 | 100 |
| A000404 | 3 | 100 |
| A000363 | 0 | 200 |
| A000354 | 0 | 100 |

*Results in number of fibres per number of fields counted

Negative and very Low for Asbestos.


J. Alberts

Laboratory Manager


Doc. No: CEN-7551-003

Rev: 03

Code: J. Rev. 2015

| | | | |
|--|---|---|--|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|--|---|---|--|

Attachment D: ASBESTOS CLEARANCE CERTIFICATE

| | | | |
|--|---|--|--|
| Date: 26 th of July – 05 th of August 2022 & 29 th of August 2022 | Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual Impact Group Consulting CC | Occupational Hygienist Johan Cornelissen  | Project No: 2022/ 122 / E 2022/ 236 / H |
|--|---|--|--|



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NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC

Approved Inspection Authority A.I.A 22/15

ASB22-024

ASBESTOS CLEARANCE CERTIFICATE

[According to the Labour Act, 1992 (Act 6 of 1992) as amended under the Labour Act 2007 (Act 11 of 2007), Regulations Relating to the Health and Safety of Employees at Work in terms of Hazardous Substances Regulations, Chapter 5, Annexure E, Schedule 2 (1)]

Company Name: ADCON (PTY) LTD
Company Address: P. O. Box 4587
WALVIS BAY
NAMIBIA


Has fulfilled the statutory requirements and procedures as indicated and is hereby granted asbestos clearance to building below by NEHC as Approved Inspection Authority (AIA) by the Ministry of Labour, Industrial Relations and Employment Creation

Building/Area: Nampower Anixas Station— Pre-Clearance Inside D1

Date: 23/08/2022

Date: 23/08/2022


J. Cornelissen—ROH


J. Alberts
Laboratory Manager




Ministry of Labour,
Industrial Relations and
Employment Creation
NAMIBIA



Doc No: EHS-7961-440

Rev: 03

Date: 17 December 2019

| | | | |
|--|---|---|--|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|--|---|---|--|



NEHC CC

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 E-mail: info@nehcafrica.com

NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC

Approved Inspection Authority A.I.A 22/15

ASB22-025

ASBESTOS CLEARANCE CERTIFICATE

[According to the Labour Act, 1992 (Act 6 of 1992) as amended under the Labour Act 2007 (Act 11 of 2007), Regulations Relating to the Health and Safety of Employees at Work in terms of Hazardous Substances Regulations, Chapter 5, Annexure B, Schedule 2 (1)]

Company Name: ADCON (PTY) LTD
Company Address: P. O. Box 4587
 WALVIS BAY
 NAMIBIA


Has fulfilled the statutory requirements and procedures as indicated and is hereby granted asbestos clearance to building below by NEHC as Approved Inspection Authority (AIA) by the Ministry of Labour, Industrial Relations and Employment Creation

Building/Area: Nampower Anixas Station— Pre—Clearance Inside D4

Date: 23/08/2022

Date: 23/08/2022


 J. Cornelissen—ROH


 J. Alberts
 Laboratory Manager




Ministry of Labour,
 Industrial Relations and
 Employment Creation
 NAMIBIA



Doc. No: LAB/FAM/34E

Rev. 01

Ctrl. 17 December 2019

| | | | |
|---|---|--|--|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|---|---|--|--|



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NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC

Approved Inspection Authority A.I.A 22/15

ASB22-026

ASBESTOS CLEARANCE CERTIFICATE

[According to the Labour Act, 1992 (Act 6 of 1992) as amended under the Labour Act 2007 (Act 11 of 2007), Regulations Relating to the Health and Safety of Employees at Work in terms of Hazardous Substances Regulations, Chapter 5, Annexure E, Schedule 2.(1)]

Company Name: ADCON (PTY) LTD
Company Address: P. O. Box 4587
 WALVIS BAY
 NAMIBIA

Has fulfilled the statutory requirements and procedures as indicated and is hereby granted asbestos clearance to building below by NEHC as Approved Inspection Authority (AIA) by the Ministry of Labour, Industrial Relations and Employment Creation

Building/Area: Nampower Anixas Station— Pre—Clearance Inside D5

Date: 23/08/2022

Date: 23/08/2022


 J. Cornelissen—ROH


 J. Alberts
 Laboratory Manager




Ministry of Labour,
 Industrial Relations and
 Employment Creation
 NAMIBIA



Doc. No. LAZ-FHSA-045

Rev 03

Date: 11 December 2019

| | | | |
|--|--|---|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|--|--|---|---|



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NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC

Approved Inspection Authority A.I.A 22/15

ASB22-19

ASBESTOS CLEARANCE CERTIFICATE

[According to the Labour Act, 1992 (Act 6 of 1992) as amended under the Labour Act 2007 (Act 11 of 2007), Regulations Relating to the Health and Safety of Employees at Work in terms of Hazardous Substances Regulations, Chapter 5, Annexure E, Schedule 2 (1)]

Company Name: ADCON PTY (LTD)

Company Address: P. O. BOX 4587
 WALVIS BAY
 NAMIBIA

Has fulfilled the statutory requirements and procedures as indicated and is hereby granted asbestos clearance to building below by NEHC as Approved Inspection Authority (AIA) by the Ministry of Labour, Industrial Relations and Employment Creation

Building/Area: Nampower Anixas Station—Post Clearance on Building D1

Date: 02/08/2022

Date: 02/08/2022

J. Cornelissen
 Occupational Hygienist

J. Cornelissen
 Laboratory Manager




Ministry of Labour,
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 Employment Creation
 NAMIBIA



Doc. No. LAB/IR/EM/44e

Ver. 03

Date: 17 December 2019

| | | | |
|--|--|---|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual Impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|--|--|---|---|



NEHC CC

Reg. No.: CC/2005/3574

Namibia

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NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC

Approved Inspection Authority A.I.A 22/15

ASB22-20

ASBESTOS CLEARANCE CERTIFICATE

[According to the Labour Act, 1992 (Act 6 of 1992) as amended under the Labour Act 2007 (Act 11 of 2007), Regulations Relating to the Health and Safety of Employees at Work as terms of Hazardous Substances Regulations, Chapter 5, Annexure E, Schedule 2 (1)]

Company Name: ADCON PTY (LTD)

Company Address: P. O. BOX 4587
WALVIS BAY
NAMIBIA

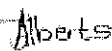
Has fulfilled the statutory requirements and procedures as indicated and is hereby granted asbestos clearance to building below by NEHC as Approved Inspection Authority (AIA) by the Ministry of Labour, Industrial Relations and Employment Creation

Building/Area: Nampower Anixas Station—Post Clearance on Building D4

Date: 03/08/2022

Date: 03/08/2022


J. Cornelissen
Occupational Hygienist


J. Cornelissen
Laboratory Manager




Ministry of Labour,
Industrial Relations and
Employment Creation
NAMIBIA



Doc No: LAB-FRM-416

Rev 03

Date: 27 December 2019

| | | | |
|---|--|--|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|---|--|--|---|



NEHC CC

NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC

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Approved Inspection Authority A.I.A 22/15

ASB22-21

ASBESTOS CLEARANCE CERTIFICATE

[According to the Labour Act, 1992 (Act 6 of 1992) as amended under the Labour Act 2007 (Act 11 of 2007), Regulations Relating to the Health and Safety of Employees at Work in terms of Hazardous Substances Regulations, Chapter 5, Annexure E, Schedule 2.(1)]

Company Name: ADCON PTY (LTD)


Company Address: P. O. BOX 4587
 WALVIS BAY
 NAMIBIA

Has fulfilled the statutory requirements and procedures as indicated and is hereby granted asbestos clearance to building below by NEHC as Approved Inspection Authority (AIA) by the Ministry of Labour, Industrial Relations and Employment Creation

Building/Area: Nampower Anixas Station—Post Clearance on Building D5

Date: 03/08/2022

Date: 03/08/2022


 J. Cornelissen
 Occupational Hygienist


 J. Cornelissen
 Laboratory Manager




Ministry of Labour,
 Industrial Relations and
 Employment Creation
 NAMIBIA



Doc No: LAB-7761-HF

Rev: 02

Date: 17 December 2015

| | | | |
|--|--|---|---|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
|--|--|---|---|



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Reg No. CC2005/3574

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NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC

Approved Inspection Authority A.I.A 22/15

ASB22-027

ASBESTOS CLEARANCE CERTIFICATE

[According to the Labour Act, 1992 (Act 6 of 1992) as amended under the Labour Act 2007 (Act 11 of 2007), Regulations Relating to the Health and Safety of Employees at Work in terms of Hazardous Substances Regulations, Chapter 5, Annexure E, Subsection 2(1)]

Company Name: ADCON (PTY) LTD

Company Address: P. O. Box 4587
WALVIS BAY
NAMIBIA

Has fulfilled the statutory requirements and procedures as indicated and is hereby granted asbestos clearance to building below by NEHC as Approved Inspection Authority (AIA) by the Ministry of Labour, Industrial Relations and Employment Creation

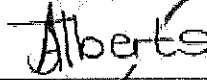
Building/Area: Nampower Anixas Station – Suction Clearance on Truck N123-363 W

And on Truck N217-603 W

Date: 23/08/2022

Date: 23/08/2022


J. Cornelissen – ROH


J. Alberts
Laboratory Manager




Ministry of Labour,
Industrial Relations and
Employment Creation
NAMIBIA



Doc. No. 248/2004/416

Rev. 03

Date: 17 December 2019

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| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual Impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
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NEHC CC

Reg No CC/2005/0574
 Namibia
 P.O. Box 8416
 SWAKOPMUND
 NAMIBIA
 Tel: +264 64-404 146
 Fax: +264 64-404 179
 E-mail: info@nehcafrica.com

NATIONAL ENVIRONMENTAL HEALTH CONSULTANTS CC

Approved Inspection Authority A.I.A 22/15

ASB22-041

ASBESTOS CLEARANCE CERTIFICATE

[According to the Labour Act, 1992 (Act 6 of 1992) as amended under the Labour Act 2007 (Act 11 of 2007), Regulations Relating to the Health and Safety of Employees at Work in terms of Hazardous Substances Regulations, Chapter 5, Annexure E, Schedule 2.(1)]

Company Name: ACTUAL IMPACT GROUP CC
Company Address: P. O. Box 4746
 WALVISBAY
 NAMIBIA


Has fulfilled the statutory requirements and procedures as indicated and is hereby granted asbestos clearance to building below by NEHC as Approved Inspection Authority (AIA) by the Ministry of Labour, Industrial Relations and Employment Creation

Building/Area: Nampower Anixas Station—Suction Clearance on Concrete blocks and on truck

Date: 29/08/2022

Date: 08/09/2022


 J. Cornelissen—ROH


 J. Alberts
 Laboratory Manager




Ministry of Labour,
 Industrial Relations and
 Employment Creation
 NAMIBIA




Doc No. LAB/MS/416

Rev. 03

Date: 17 December 2019

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| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
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Attachment E: CERTIFICATE OF APPROVAL

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|--|---|--|--|
| Date: 26 th of July – 05 th of August 2022 & 29 th of August 2022 | Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC | Occupational Hygienist Johan Cornelissen  | Project No: 2022/ 122 / E 2022/ 236 / H |
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Republic of Namibia

MINISTRY OF HEALTH & SOCIAL SERVICES

CERTIFICATE OF APPROVAL

Certificate No.: Asbestos: 2022/ 05

TO UNDERTAKE DEMOLISHING/STRIPPING/REMOVAL OF ASBESTOS CONTAINING MATERIALS AT NAMIBIA POWER CORPORATION ANIXAS SITE Walvis Bay

This is to certify that:

Name of Company: Namibia Power Corporation Walvis Bay

Namibia

has fulfilled the statutory requirements and the Ministry is hereby granting approval to undertake Demolishing/ Stripping/ Removal of Asbestos containing materials (at Namibia Power Corporation- Anixas Site- New Western Street) Walvis Bay, in terms of Hazardous Substances Regulations; Annexure E, Schedule 2 (1) as stipulated in the "Regulations Relating to the Health & Safety of Employees at Work", made under the Labour Act 1992, (Act 6 of 1992) amended as Labour Act 2007, (Act No. 11 of 2007).

DATE: 11-7-2022


DATE: 11/07/2022

[Signature of Mr. Ben Nangombe]

MR. BEN NANGOMBE Executive Director

[Signature of Dr. Ali El Sherif]

DR. ALI EL SHERIF Chief Medical Officer Occupational Health Services

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|--|---|---|--|
| <p>Date: 26th of July – 05th of August 2022 & 29th of August 2022</p> | <p>Company: Adcon (Pty) Ltd – Nampower Anixas Station Actual impact Group Consulting CC</p> | <p>Occupational Hygienist Johan Cornelissen</p>  | <p>Project No: 2022/ 122 / E 2022/ 236 / H</p> |
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