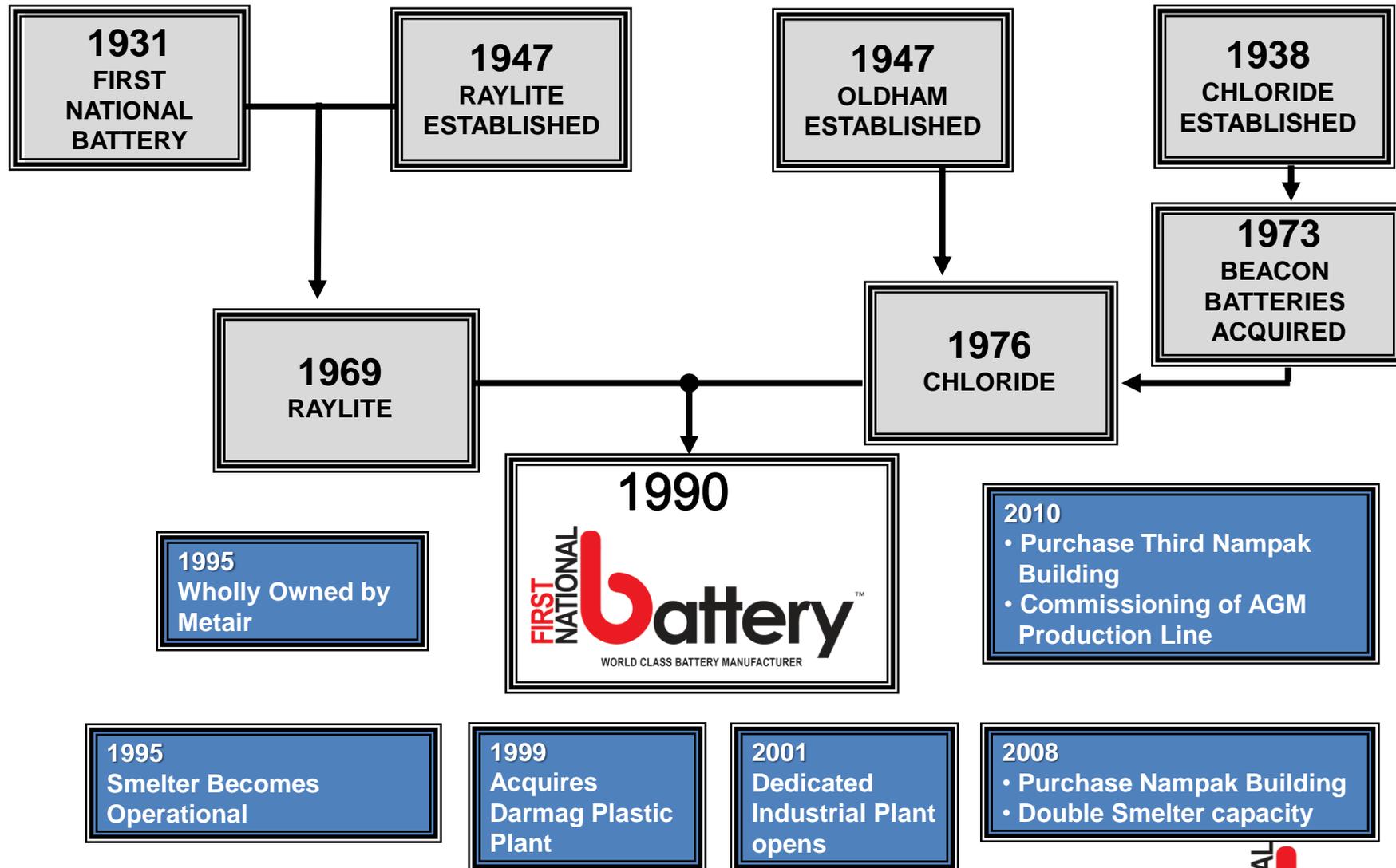


Saving the environment one battery at a time



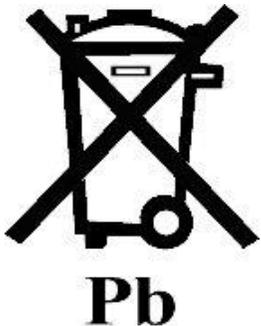
Brief South African Company History



Saving the environment one battery at a time

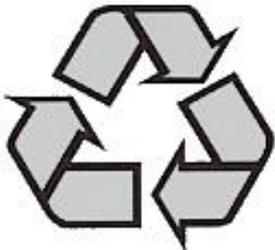
In an age where it seems as though everything we do is harming the environment in some way or another, car batteries, golf cart batteries, UPS batteries, industrial fork-lift batteries, motorcycle batteries and commercial batteries, are posing a huge problem when they need to be discarded.

If incorrectly dealt with battery lead, plastic and acid, can negatively impact on the environment. Fortunately these components are well suited to recycling and First National Battery (FNB), division of Metindustrial, a leading manufacturer and distributor of lead acid batteries, has taken the initiative to help save the environment by establishing a battery recycling facility in Benoni.



Reasons to recycle

- Recycling is the reuse of materials that would ordinarily be considered waste.
- Lessen the amount of waste that goes into landfills
- Reduce the amount of toxic chemicals absorbed into the earth
- Significantly reduce manufacturing costs and energy consumption.



How battery recycling began

During the Second World War, when lead was considered a strategic metal, it was a legal requirement for the battery industry to introduce the “one-for-one” system. The South African Battery Manufacturers Association have, since 1942, continued with a system of collecting spent batteries that has proved to be efficient and relatively simple to operate.

By continuing this service the battery industry has achieved the following:

- Protected the lead stock held in the country thus avoiding the unnecessary importation of lead**
- It has saved the country a vast amount of foreign exchange by enabling recycling to take the place of imported lead**
- It has ensured that the Polypropylene used in the manufacture of battery casings and lids is recycled.**
- The greatest advantage is that the battery industry has managed to stop the creation of a vast abundance of toxic waste in the form of sulphuric acid and lead from scrap batteries**



FNB's recycling process

Scrap batteries – both automotive and industrial – are processed through a battery breaker, which after breaking separates lead, plastic and acid. This entire recycling process is carried out under strict environmental controls and accordingly has been ISO 14001:2004 certified.



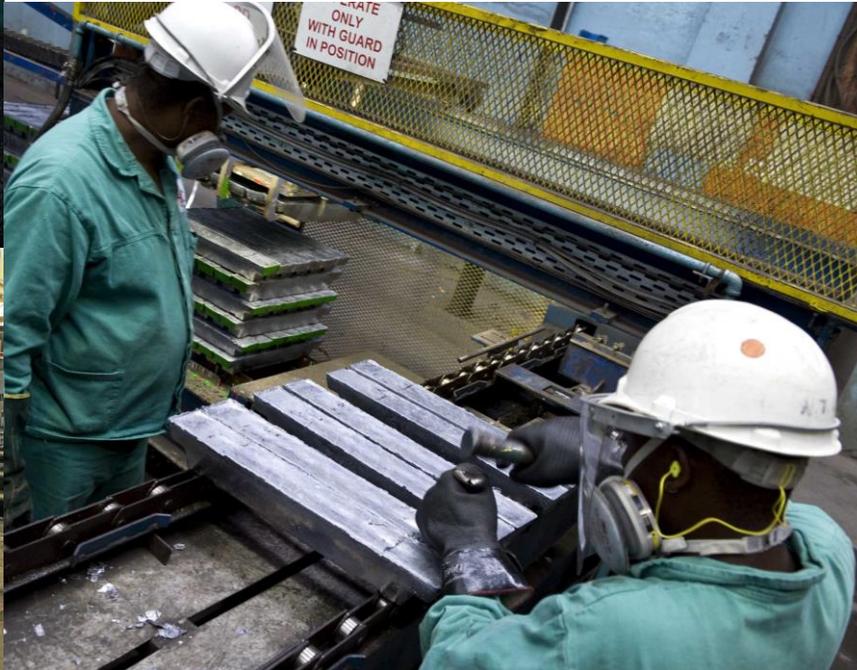
Acid is neutralised and processed through an effluent plant and properly disposed of.



Plastic chips are converted into pellets at the plastic plant in Benoni. These pellets are then used at the FNB Fort Jackson plant to manufacture new battery containers, covers and other components



Battery plates, terminals and other extracted lead are refined and blended in the lead smelter located in Benoni to produce high quality lead alloys





This lead is then used in the manufacture of new batteries, at the two FNB battery manufacturing facilities in East London, thus completing the cycle.



Some of the major benefits of having one's own smelter include:

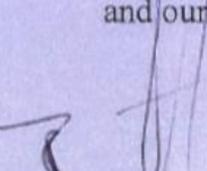
- **active contribution to positive ecological benefits**
- **more control over quality**
- **continuity of supply**
- **relatively high recovery rate of lead from scrap**
- **able to re-process dross and filtered materials**
- **conservation of natural resources**

Safety, Health & Environment Policy

We at First National Battery are committed to a Safety, Health and Environmental (SHE) Management System. By effectively documenting, implementing and maintaining our System, we will minimize potential health and safety risks and environmental impacts during our battery design, manufacturing, distribution and recycling activities.

Accordingly FNB will:

- Do all practicable to prevent pollution, minimize current and potential impacts and risks resulting from our battery manufacturing and related activities, to ensure commitment to compliance with relevant occupational health and safety and environmental legislation and other requirements, including the lead regulations.
- Produce recyclable products which are safe and reliable in operation and which meet the specifications, safety, health and environmental requirements of our customers.
- Continually improve our SHE performance by implementing and maintaining the ISO 14001 and integrating the OHSAS 18001 Management System to align these with FNB objectives and targets.
- Work in cooperation with our site neighbours, industry, government and local authorities, suppliers and customers to promote responsible SHE care.
- Communicate and maintain SHE awareness, including awareness of this policy amongst all persons working for and on behalf of FNB and to communicate this policy to the public on request.
- Identify and conduct job-specific training for all potential SHE risk areas.
- Set, review and continually improve SHE objectives and targets for FNB at regular intervals.
- Adhere to all undertakings as stated in this policy, committing all management and employees to prevention of SHE impacts, risks and pollution and the achievement of FNB's SHE objectives and targets.
- Periodically review this policy to ensure that it remains relevant and appropriate to FNB.
- All FNB Department Managers must ensure training has been conducted for the employees in their department on the FNB SHE Policy and our commitment to ensuring the Health & Safety of our employees as well as our social responsibility to the Environment.


Russell Bezuidenhout
Managing Director
08th June 2015

**FIRST
NATIONAL** **battery**™
WORLD CLASS BATTERY MANUFACTURER



**CITY OF EKURHULENI
DEPARTMENT OF ENVIRONMENTAL RESOURCE MANAGEMENT**

ATMOSPHERIC EMISSION LICENCE AS CONTEMPLATED IN SECTION 43 OF THE
NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT, 2004 (ACT NO. 39 OF
2004)

Ekurhuleni Air Quality Officer
Department of Environmental Resource Management
P O Box 13
Kempton Park
1620

Tel: (011)999 2970 /999 2971/999 3332
Fax: 0865595652
Email: legadimaj@ekurhuleni.gov.za

**THE ATMOSPHERIC EMISSION LICENCE AS CONTEMPLATED IN SECTION 43 OF THE
NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT, 2004, (ACT NO. 39 OF 2004)**

This Atmospheric Emission Licence issued to **FIRST NATIONAL BATTERY** in terms of section 41(1)(a) of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004), in respect of **Listed Activity No. 4.13**. The Atmospheric Emission Licence has been issued on the basis of information provided in the company's application dated **17 March 2014** and information that became available during processing of the application.

The Atmospheric Emission Licence is valid until **31 March 2019**.

The reason issuance of the current licence is a **new application**.

The Atmospheric Emission Licence is issued subject to the conditions and requirements set out below which form part of the Atmospheric Emission Licence and which are binding on the holder of the Atmospheric Emission Licence ("**First National Battery**").

1. ATMOSPHERIC EMISSION LICENCE ADMINISTRATION

Name of the Licensing Authority	Ekurhuleni Metropolitan Municipality
Atmospheric Emission Licence Number	14/1/1/7/4/17/FNBAT/SPR
Atmospheric Emission Licence Issue Date	31 March 2014
Atmospheric Emission Licence Type	Final
Review Date, not later than	31 August 2018

Air Quality Officer Signatures:

Date:

31/03/2014



CERTIFICATE OF REGISTRATION

This is to certify that

First National Battery- Benoni

Has been registered as a

Waste Reprocessor

With the Gauteng Department of Agriculture and Rural Development and has been issued with the following registration number for use when reporting to the Gauteng Waste Information System.

GPR-00-585

Date of Registration: **31 January 2014**

Date of Expiry: **31 January 2016**



CERTIFICATE



This is to certify that

First National Battery, a Division of Metindustrial (Pty) Limited

Corner of Settlers Way and Edison Road
Gately Township
East London, 5200
Eastern Cape
South Africa

with the organizational units/sites as listed in the annex

has implemented and maintains an **Environmental Management System**.

Scope:

The design of lead acid automotive batteries and related plastic components. Manufacture and recycling of automotive lead acid batteries.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 14001 : 2004 + Cor 1 : 2009

Certificate registration no. 493265 UM
Valid from 2014-10-07
Valid until 2017-10-06
Date of certification 2014-10-07



DQS GmbH

G. Blechschmidt

Götz Blechschmidt
Managing Director



Annex to Certificate
Registration No. 493265 UM

First National Battery, a Division of Metindustrial (Pty) Limited

Corner of Settlers Way and Edison Road
Gately Township
East London, 5200
Eastern Cape
South Africa

Remote Location

Scope

493266

First National Battery, a Division of
Metindustrial (Pty) Limited
11 Buffalo View Road
Woodbrook Township
East London, 5200
Eastern Cape
South Africa

The design, manufacture and recycling of
automotive and industrial lead acid batteries

493267

First National Battery, a Division of
Metindustrial (Pty) Limited
Site 6, Hoepoe Street, Fort Jackson
Eastern Cape, 5200
South Africa

The manufacture and recycling of plastic
components for automotive and industrial lead
acid batteries

493268

First National Battery, a Division of
Metindustrial (Pty) Limited
Liverpool Road
Industrial Sites
Benoni, 1502
South Africa

The manufacture, marketing, distribution and
recycling of automotive and industrial lead
batteries

493269

First National Battery, a Division of
Metindustrial Limited
47 Joyner Road, Prospecton
Durban, 4133
KwaZulu Natal
South Africa

The marketing, distribution and recycling of
automotive and industrial acid





environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Ref. 12/9/11/L453/3

Enquiries: Mr. Mpho Tshitangoni

Tel: (012) 310-3380 Fax: (012) 310-3753 Email: mtshitangoni@environment.gov.za
www.environment.gov.za

LICENCE NUMBER: 12/9/11/L453/3

CLASS: H:H (TEMPORARY STORAGE OF GENERAL AND HAZARDOUS WASTE; SHREDDING AND BAILING OF GENERAL WASTE AND RECOVERY OF HAZARDOUS WASTE)

WASTE MANAGEMENT FACILITY: FIRST NATIONAL BATTERY- BENONI PLANT

LOCATION: NUMBER 64 LIVERPOOL ROAD, ERF NUMBER 2835, BENONI INDUSTRIAL AREA, EKURHULENI METROPOLITAN MUNICIPALITY, GAUTENG PROVINCE.

LICENCE HOLDER: FIRST NATIONAL BATTERY (BENONI PLANT).

ADDRESS: P. O. BOX 5015, BENONI SOUTH, 1502

CONTACT PERSON: MR CHARLES VAN ASWEGEN.

CONTACT DETAILS: TEL: (011) 741 3600, FAX: (011) 421 1625

LICENCE IN TERMS OF SECTION 49 (1)(a) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: WASTE ACT, 2008 (ACT NO. 59 OF 2008)

In terms of National Environmental Management: Waste Act, 2008 (Act No.59 of 2008) read with the Environmental Impact Assessment Regulations, 2010, published in Government Notice No.R.543 of 18 June 2010 (the Regulations), the Deputy Director General: Environmental Quality and Protection, acting under delegation, hereby grants First National Battery-Benoni Plant a Waste Management Licence for the following waste management activities as listed in Category A of Government Notice No 718 dated 03 July 2009:

PROCESS FLOW – SECONDARY SMELTING

