

# Six-month sustainability overview

## COMPLIANCE

NCP Alcohols believes that people's health, safety and the environment are our highest priorities. We know that we must be environmentally responsible and protect the health and safety of our employees, customers, suppliers and the public. To achieve this we expect our employees to ensure that our products and operations comply with the most stringent laws, regulations and standards.

We provide the appropriate training to prevent adverse impacts that may be caused by any aspect of manufacture, supply or use of our products. We regularly audit internally and externally while continually improving our systems and undertake to recognise and respond to community concerns. NCP Alcohols boasts a host of certifications namely, ISO 9001, ISO 14001, SANS 10330 (HACCP), OHSAS 18001, Halaal certification and Kosher certification.

## OUR EMPLOYEES

**• Training**  
NCP Alcohols strives to constantly increase the awareness and skills level of its employees, hence extensive training is conducted both internally and externally. Training completed in the last 6 months include Fire Training, SHEQ Induction Training, Forklift training, Incident Investigation training, OHSAct legal liability training, Hazardous Chemical Substance Training, Noise Induced Hearing Loss training, First Aid Training and Permit training.

Our In-service training programme offers students a year of on-the-job training in the fields of Food Technology, Biochemistry, Chemical Engineering, biotechnology, Mechanical Engineering, Analytical chemistry, Microbiology, Electrical Engineering – Heavy Current, Electrical Engineering – Light Current Process and Instrumentation & Control. Total number of students on this programme is fourteen (14) of which two are apprentices in the mechanical and electrical fields.

**• Clinic**  
We have medical facilities on site which include a clinic sister and doctor. The clinic sister and the doctor manage the Occupational Health programme on site to ensure general wellness of employees. Total healthcare visits numbered 371 for Q1-2 2015 compared to 299 for the same period in 2014.

## COMMUNICATION

We believe in honest and constructive communication with and between staff and our stakeholders that promote and sustain the relationships we have with one another. Our communication mediums include monthly communication facilitator meetings, news boards, flashboards, e-notices, an intranet page, online and printed newsletters and a website.

## CORPORATE SOCIAL INVESTMENT

- The Kenville Primary School Feeding Scheme project provides one meal every Friday to 60 primary school learners at Kenville Primary School that are in need.
- Two programmes have been addressing the physical wellness of employees: a body mass index 'Big Loser' competition, and the birth of the company's own running club, the Leafy Leapers Athletics Club.
- The company sponsors a football team, NCP United Football Club (NUFC) with gear, transport and basic refreshments during their friendly matches.
- The company is a monthly sponsor of the Look Good Feel Better Foundation, alongside members of the Cosmetics Toiletries and Fragrances Association (CTFA), who run make-over workshops for female cancer patients at Durban's Addington and Parklands Hospitals, and at Mkuhla House.
- As part of the company's celebrations of International Mandela Day, the Sea Cow Lake Secondary School's science laboratory received a total make-over. In addition, weekly science and mathematics classes are presented by three in-service trainee students at NCP Alcohols to the school's grade 12 learners.

## ENVIRONMENT, HEALTH AND SAFETY

**Hazard Identification and Risk Assessments**  
Hazard Identification and Risk assessments form the basis of our Safety, Health, Environment and Food Safety (SHE & FS) management system. Risks associated with all work on premises are evaluated to determine whether or not they are acceptable. Hazards are also identified from job observations, audits and general inspections.

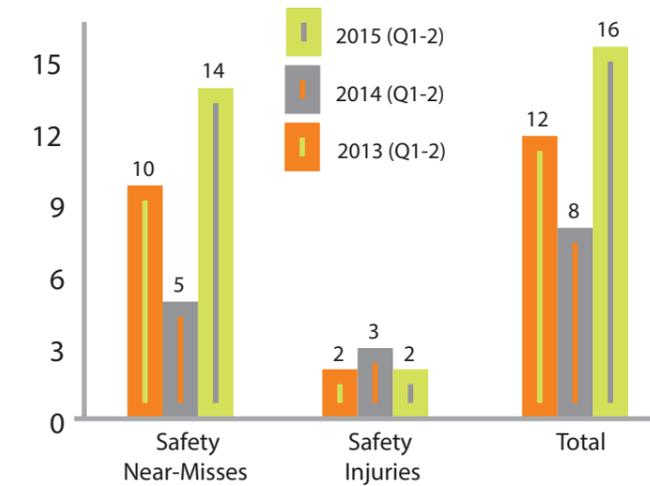
To reduce risks the following hierarchy of control is chosen: Elimination, Substitution, Engineering, Administration and PPE.

**• Safety Objectives**  
To achieve zero fatalities and reduce permanently disabling injuries by identifying and controlling extreme potential risk situations.  
Target: To achieve 0 fatalities and 0 DIFR by January 2016.

To maintain legal compliance with regards to safety.  
Target: To address legal compliance issues highlighted internally and through legal audits by December 2015.

To manage static safety risks on site.  
Target: Develop action plans and budget to address high safety risks by December 2015.

## Three-year trend in Safety



**• Environmental Objectives**  
Maintain environmental legal compliance. The first target is to develop an environmental management plan for effluent quality compliance by the end of 2015; and the second is to classify all waste on site and create Safety Data Sheets for the various waste streams by June 2016

Minimise environmental impacts (Pollution Control) in three areas, water, land and air. The main targets are to reduce stormwater contamination to achieve storm water discharge specifications - December 2015; to develop a strategy for waste reduction on site by September 2015. Quantify the amount of waste being removed from site currently and determine associated costs- 100%; and to maintain air emissions to below legal specification – 2015

Resource Conservation covers three targets: water, power energy and steam energy and the main targets are to;  
• Reduce site water usage to <9.9kL per kIAA by December 2015;  
• Reduce electrical energy by 120kW by December 2015; and  
• Reduce steam usage by 150kg/hr by December 2015.

## WASTE

- General waste has decreased, indicating employees are recycling and reusing waste.
- Paper recycling has decreased, indicating people are using scrap paper for extra notes, double sided photocopying, etc.
- Cardboard recycling has increased, as has plastic.

	Qtr 1-2 (2014)	Qtr 1-2 (2015)
General waste (m <sup>3</sup> )	12	7
Paper recycled (No. of bins)	22	18
Cardboard (1-ton bag)	7	9
Plastic (1-ton bag)	7	11
Glass (1-ton bag)	1	1
Aluminium cans (1-ton bag)	2	1
Sludge (kg)	76 380	87 280
Hazardous waste (L)	1 115	1 225
Hazardous waste (kg)	850	178

## HEALTH

At NCP Alcohols we are passionate about living a healthy lifestyle. Currently we have a BMI biggest loser challenge where each month the person that loses the most weight wins a gift voucher. We also conduct safety talks on a monthly basis based on various topics, one being wealth awareness. This encourages our employees to live a healthy lifestyle.

The employees manage their own Soccer and Athletics Clubs with the support from the company. NCP Alcohols Football Club was established in 2009 and plays 'friendly' matches at least every quarter. The company's athletics club, the Leafy Leapers are affiliated to the KwaZulu-Natal Athletics federation and employee members are sponsored for their participation in four (4) events per year.

## ENERGY AND CARBON FOOTPRINT

NCP Alcohols is committed to reduce and/or eradicate harmful environmental factors such as:

### Land Pollution

No littering is allowed on site and waste bins are provided in all the areas of the plant. Specially marked bins are provided for the recycling of cans and paper. Cardboard is also collected for recycling. Process areas around the plant are banded for the containment of spillages for recovery. All process effluent is directed to the effluent treatment plant and thereafter it is led into the municipal sewer system.

### Water Pollution

All spillages must be reported so that we can prevent water pollution. It is imperative that spillages are minimized or timeously cleaned up in an appropriate manner.

### Air Pollution

We have changed from Coal Boilers and now utilise Gas Boilers in our plant. CO<sub>2</sub> gas from our Fermentation plant is sold to a gas company and is eventually utilised in the beverage industry.

### Preservation of Resources

We pride ourselves in saving the environment! So please conserve resources, especially water.

## PROCUREMENT AND SUPPLY CHAIN

NCP Alcohols seeks to ensure that the products it procures for its production of Ethanol are sourced from suppliers that are sustainable and environmentally responsible.

We ensure safe disposal of all our waste through recycling and disposal suppliers who are evaluated from time to time, and we also undertake audits on suppliers to ensure compliance.