



South Ferriby Cement Plant

“Contributing at a local level”

Mission Statement

At CEMEX South Ferriby Cement Plant, we seek to ensure that we are a good neighbour and that we play an active and positive part in the community. To meet this objective, we seek to minimise our local impacts, develop strong long-term relationships with local community representatives, and contribute to the well-being and to the economic and social development of those local communities that surround the plant. This document is aligned with the CEMEX Global Policy for stakeholder engagement.

Background

➤ *Brief introduction*

South Ferriby Cement Plant makes its cement using local chalk and clay taken from different areas of the same quarry (these are extracted from Middlegate Lane Quarry located to the east of South Ferriby village and connected to the plant by conveyor). Up to around 3,000 tonnes of chalk and 1,000 tonnes of clay are needed each day. Two kilns heat the raw materials to 1400°C – a temperature at which steel would melt. The gases and dust from the kiln are subjected to an intense filtering process before being safely emitted to the atmosphere. This is in accordance with the permit issued and monitored by the Environment Agency (EA).

While traditional fossil fuels – coal and petcoke – still have a small role to play, the plant is increasingly using more sustainable and cost-effective alternative fuels. The plant has been successfully using Secondary Liquid Fuel (SLF) since 2002. More recently, it has added Climafuel. The usage of these alternative fuels reduces landfill, reduces harmful emissions of nitrogen dioxide and sulphur dioxide and saves fossil fuels for future generations.

The plant delivers cement by road over a wide area of eastern, central and northern England and currently employs 150 people. In total, the company’s annual contribution to the local economy through wages, rates and the purchasing of services adds up to some £10 million.

➤ *Location and communities*

Most of South Ferriby Cement Plant is located in the parish of Winteringham, and the boundary with South Ferriby Parish runs through the old packing plant. The plant's Middlegate quarry is located to the east of South Ferriby village and lies firmly in its parish. The map below shows the location of the plant and its relative position to local communities and the Humber Estuary.



Note: Areas A & B marked on the above map are referenced within this document

Sustainable Operations

➤ *Local suppliers*

Whenever commercially viable, raw materials are sourced locally and this practice will continue in the future. This in turn helps to promote local businesses whilst reducing the associated CO2 footprint of the operation.

Local contract companies are engaged, when commercially viable, to supply services to the plant. These currently include gardening, plumbing and scaffolding.

➤ *Promoting the use of alternative fuels*

Cement-making is energy-intensive. The spiralling cost of fossil fuels over the past two decades, combined with a move towards improved environmental performance, has led the industry to turn to

alternative fuels to part-replace fossil fuels, such as coal and petcoke, to heat cement kilns. South Ferriby Cement Plant utilises alternative fuels for heating its kilns.

There are a number of sustainable benefits associated with the use of alternative fuels at the plant, including reduced energy costs, saving valuable fossil fuels for the future and recovering energy from waste, which would otherwise go to landfill. By reducing the burning of coal and petcoke, alternative fuels also help to reduce emissions of carbon dioxide, nitrogen dioxide and sulphur dioxide. In doing so, they reduce climate change.

Experience at South Ferriby Cement Plant shows that operational performance improves further when using alternative fuels. Cement kilns operate at temperatures in excess of 1400°C which, combined with the length of time which fuels spend in the kiln, means that the fuels release their energy and are completely and safely consumed.

Currently, two alternative fuels are used at the plant.

- 1) Climafuel – a fuel made from household and commercial waste that looks like shredded paper and consists of paper, cardboard, wood, carpet, textiles and plastics. The material has been subject to a treatment process to remove biodegradable matter and is a solid, non-hazardous fuel. All recoverable materials are removed for recycling, as a result, the use of Climafuel significantly reduces waste sent to landfill.
- 2) SLF – a fuel made from industrial liquid wastes that cannot be recycled is blended to a strict specification producing a smell similar to paint and a look similar to engine oil.

➤ *Local customers*

The plant's cement products are delivered by road tankers to customers, who are typically located within 40 miles of the plant. Full consideration to the impact on the local community will be given if there is to be any changes to these arrangements. Where a change is likely to increase traffic flow through the local villages, the relevant stakeholders will be fully consulted before any changes are made (usually through the liaison committee meetings).

➤ *Plant investments*

The plant philosophy is one of continual improvement and investment is necessary to preserve and improve performance levels and working conditions. Full consideration will be given to any investment which has the potential to impact the local community and where necessary thorough consultation will take place. Recent investments include the replacement of the electrostatic precipitators for kilns 2 & 3 to significantly reduce particulate emissions from the process. Planning permission was sought and an outline of the projects was presented during a Parish Council

meeting for comment. In addition, updates on the project progress were included in Community Matters Newsletters. Similar consultation procedures, appropriate for the context of any change will be followed in the future.

➤ *Preserving the environment*

South Ferriby Cement Plant is regulated by the EA who have issued the plant with an operating permit. The impact of the operation on the environment is a key priority and this underpins daily operations. Utilisation of alternative raw materials is used whenever possible to preserve materials for future generations. A thorough review of environmental performance is included during liaison meetings (see below) and this is provided by both CEMEX, and independently by the EA.

North Lincolnshire Council have responsibility for monitoring air quality in the vicinity of the plant. To help allay fears of those living in Zone A CEMEX meets the cost of an Osiris (air quality monitoring device to record levels of PM10 & PM2.5 particulates) which is operated independently by North Lincolnshire Council. They present their findings at the quarterly liaison meetings.

Chalk and clay for process requirements are delivered from the Middlegate Lane quarry to the plant via the Mecco conveyor belt. This overland conveyor belt is 1.8km in length and runs from the quarry to the plant, passing the local South Ferriby Primary school, residential housing and runs over South Ferriby Marina, adjacent to the cement plant. This conveyor is subject to daily inspection when in operation to ensure high levels of maintenance condition are sustained at all times. In particular, to ensure any mechanical noises from the conveyor are kept to a minimum.

CEMEX is committed to continual improvement in environmental performance and this will remain a priority.

Community Dialogue

➤ *Liaison meetings*

An established liaison committee meets four times a year to discuss plant operations, review performance and to discuss any complaints or concerns from the surrounding communities. These meetings provide a forum for constructive dialogue with nominated stakeholders. The committee comprises senior management from CEMEX, representatives from the Environment Agency and North Lincolnshire Council officers together with Councillors from North Lincolnshire Council and Parish Councils within Zone A.

A copy of the minutes including the list of attendees is available from the CEMEX section of the South Ferriby Parish Council Website.

➤ *Information sharing*

CEMEX is committed to keeping local residents informed on relevant matters. To ensure the widest possible audience is reached and in light of the growing popularity of the internet, information is now published on websites. Two websites for reference are:

- 1) www.cemexcommunities.co.uk
- 2) www.southferribyparishcouncil.gov.uk

➤ *Community wide publications*

The 'Community Matters' newsletter is another mechanism to update the community on plant matters and these will be distributed to all households shown in Area A. Parish Councils that lie within Area B will be sent copies for reference. It is anticipated that the frequency will be two publications per year.

➤ *Site visits*

Pre-arranged visits to the plant are welcomed. Unfortunately, plant tours are not suitable for everyone and specific safety considerations need to be taken into account. Visits can be tailored to meet specific requests and will be accommodated whenever possible. More information is available on request. Please contact the plant's secretary on 01724 737302.

➤ *Complaints procedure*

Complaints will be dealt with promptly by one of the senior members of the CEMEX management team. Regular dialogue with the complainant will be established until resolved to their satisfaction. The site's complaints procedure forms part of the plant's Environmental Management System which is subject to annual external audit by companies such as SGS (a firm that audits technical standards) and the EA as required.

Complaints or comments can be notified in writing, by email or telephone using the contact information contacted on page 8. All complaints are reviewed with community representatives and the EA at the quarterly liaison meetings.

➤ *Attendance at Parish Council meetings*

At the request of the Parish Council, a representative from CEMEX will attend Parish Council Meetings in either South Ferriby or Winteringham. Attendance will typically be the Plant Director and/or Environment Manager. This is just a part of the ongoing dialogue between Parish Councils and the plant. The Plant Director makes himself generally available to the Parish Councillors who sit on the liaison committee and it is hoped that matters of concern can be addressed in a constructive manner as they arise.

Community Support

➤ *Disaster relief*

In the event of flooding or other significant incident, the plant will liaise with the Parish Council and other agencies to provide as much support to the community as possible. This may include mobilisation of personnel, mobile plant or the provision of other resources such as sand.

➤ *Broadband*

Broadband speeds through conventional cabling methods are currently poor in the village of South Ferriby. Through collaboration with the Parish Council, a signal amplifier and relay mast is positioned on the cement plant. This provides residents with access to high speed broadband through the service provider *Quickline*. The plant will continue to provide this support whilst infrastructure allows. Any intention of cessation of the service by CEMEX will be given in writing to the Parish Council with a minimum of six months notice. Whilst every effort will be made to provide electricity 100% of the time to the associated equipment, unplanned outages due to operational matters may occur occasionally. Where outage is connected to planned maintenance work the service provider will be notified as early as possible.

➤ *General support*

Any other requests for community support will be given full consideration and provided resources allow will be given a high priority.

Supporting Education & Training

CEMEX South Ferriby Cement Plant is keen to support education and training both for employees and within the community. This support will be given through a number of channels, including, amongst others, the following:

- Site visits
- Quarry visits
- Curriculum support within local schools
- Apprenticeship programme
- Environmental talks to interested groups and organisations

Social Investment

➤ *Annual open days*

It was the practice of the plant to have an annual 'Open Day' which took the form of a summer fete with entertainments, stalls managed by local community groups etc. This was customary in the area with the steel plant in Scunthorpe having a similar Gala Day. The last Open Day took place in 2008 before the economic downturn. It is hoped that when the economic situation changes some sort of annual event or events can be reinstated. However the cost of the Open Days was substantial and the number of local residents who attended quite small, furthermore changes to health & safety rules make opening the plant in this way more difficult. It is therefore proposed to try and find a more contemporary format in the future.

➤ *Charitable donations*

Every year the plant donates monies to charities. Each request received will be reviewed on its merits and replied to in writing. In addition, sponsorship will be collected through plant events for nominated charities. In recent times, a Soap Box Derby team has been formed at the plant, where a team of employees have built and raced a 'gravity car', whilst collecting sponsorship for charity. In the past two years (2012-2013), over £8,000 has been raised for local air ambulances. It is hoped this and other similar efforts can continue in the future. Special consideration will be given to support for local environmental and social projects. Specific requests should be made in writing to the Plant Director.

➤ *Encouraging local sports and other amenities*

In the mid-1950's a forerunner of CEMEX, Eastwood Cement, donated land to a charity to give South Ferriby a small children's playground. This adjoins a complex which then comprised tennis courts, a bowling green and conference centre for use by the plant and its employees. In the 1960s the playground was enlarged by a further gift of land to include a small sensory garden. In more recent years the community has taken a long lease over the tennis courts which have been refurbished to provide a multi-purpose games area. The bowling green is still used by South Ferriby Bowls Club which plays under the CEMEX name and is supported by the plant with exclusive use of the CEMEX owned bowling facility on the same site. It is hoped the former conference centre will also find a new use in the community.

Summary

CEMEX is very pleased that it is able to enjoy a constructive dialogue with the communities that surround its plant in North Lincolnshire and recognises that this cannot be taken for granted. CEMEX hopes that the preparation of this document will help reinforce the strength of its relationships with these communities, and that it will provide a framework for working together with them in the future.

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