

08/06/2005 12:15:03



"[REDACTED]" <[REDACTED]@strategicawareness.com> on 08/06/2005 12:06:38

To: [REDACTED] Group Office/Risley/BNFL@BNFL  
cc:  
Fax to:  
Subject: Race cards

\*\*\*\*\* Message inserted by MIMESweeper \*\*\*\*\*

This email, received by bnfl.com has been  
virus scanned by MIMESweeper using DrSolomons TVD.  
Please treat all files received via the internet with extreme caution.

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Hi [REDACTED]

I hope you're well and that you're enjoying the sunshine we're enjoying  
(through the window!) down here.

I've studied the waste copy and believe that the messages are spot on  
for our audiences.

I would recommend that more of a "story" is told so that there is a flow  
to the information starting with some overall context and moving through  
into the specifics and conclusions. To that end I've made a suggested  
re-ordering of the messages.

See what you think and please do give me a call if you've any questions  
or require any clarification.

[REDACTED]

[REDACTED]

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- C.htm



- Waste Copy.doc

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All of us use energy and natural resources and as we do we create waste products that need to be managed. This includes wastes arising from the energy we use to generate electricity, electricity we use in our daily lives for everything from making a cup of tea to powering our computers to running our factory production lines.

Nuclear Energy has been a source of electricity for UK homes and industry for more than fifty years, and currently provides for 20% of the UK's electricity needs. That amounts to the UK Nuclear Industry having considerable experience in the safe management of radioactive waste.

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#### The Energy Issue

Our demand for electricity is rising. At the same time we need to reduce our greenhouse gas emissions to combat global warming and minimize the damage to our environment. We also need to ensure we have an economically viable and reliable energy supply and that we minimize our dependence on other countries for meeting our energy needs.

#### Nuclear Energy – The Facts

- Nuclear Energy produces hardly any harmful greenhouse gas emissions.
- It is a safe source of energy. The UK Nuclear Industry has an excellent safety track record.
- It is a reliable source of energy unlike many “renewables” which are weather dependent.
- It offers security of supply. With the UK now becoming a net importer of gas, UK- produced nuclear energy reduces our exposure to the risks associated with dependency on supplier countries.
- It is economically competitive with other energy sources.

## *Waste Management*

### *Nuclear Energy Waste Facts*

Waste volumes from nuclear electricity generation are very small, amounting to less than 0.01% of the total domestic and industrial waste that the UK produces each year. Over 80% of that is disposed of safely and routinely at the national facility at Drigg in Cumbria. The remaining higher level waste is being stored safely pending a decision by the UK government on a final disposal route.

### *New Generation Nuclear Energy*

- Technology improvements have helped us to minimise the volume of waste that is produced. They have reduced the storage space we need and made the wastes much simpler to deal with.
- New nuclear reactors would create very small additional quantities of wastes. A fleet of 10 new reactors, operating for 60 years, would increase the UK total waste inventory by less than 10%.
- These wastes can be safely managed using existing technologies and techniques. The nuclear reactors we have in the UK satisfy stringent international objectives for environmental performance. The same will be true for any future new generation reactors.
- The UK will benefit from the waste management breakthroughs being made in other countries. Finland and Sweden are developing repositories capable of storing waste safely for at least 100,000 years while the US also has had breakthroughs in underground disposal that the UK can build on.

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### *Securing our Future Energy Needs*

Nuclear Energy must continue to play an important role in the UK's energy portfolio if we are to continue to meet domestic and industrial demand and if we are to minimize CO<sub>2</sub> emissions and protect our environment.

1. Existing reactors are reaching the end of their lives and will need to be replaced with new generation reactors.

- The UK Nuclear industry has always been and will continue to be serious about the industry's nuclear safety, security, technology and environmental management, waste safety and efficiency.
- The UK Government needs to decide a final disposal method for higher activity wastes and make it a step now towards that decision. This should not be barrier to new generation nuclear energy development. If we are to begin to replace generating capacity in ten years action is required today, not tomorrow.

The UK Nuclear Industry is ready to deliver.