

# UKAEA TODAY



For and about the  
United Kingdom Atomic Energy Authority

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## For future generations

The Nuclear Decommissioning Authority (NDA) has asked the chairs of Site Stakeholder Groups (SSGs) at all NDA sites to collate the views of local people and organisations, and make recommendations for the end state of the sites. The site end state is defined as the physical condition of a site when the NDA has finished its programme of work, and will vary according to the site concerned.

UKAEA staff at all sites have been actively supporting the process for their SSG chairs. These are the results of the various consultations.

### Harwell

Harwell's Local Stakeholder Group (LSG) subgroup met several times to consider alternative end states against pre-established end uses, and Harwell staff provided them with supporting information. From the information provided, a range of options was discussed covering:

- No clean-up
- Waste storage and partial clean-up
- Complete clean-up

LSG members have consulted with their various constituencies and voted on a final proposal, which is: "The Harwell LSG



Harwell

recommends that the end state for Harwell should be a 100% delicensed site by 2020." This proposal applies only to the NDA designated part of the campus, which is historically the nuclear licensed area associated with UKAEA.

"The final draft report was written up, discussed again and voted on at an LSG meeting in mid March and submitted to the NDA at the end of the month," explained Harwell Communications Manager, Angela Vincent.

### Dounreay

On behalf of the Dounreay Stakeholder Group (DSG), UKAEA and its consultants carried out consultation on the five feasible options for the Dounreay site end state. The five options considered were:

- minimal restoration of the site

- remaining a licensed site, cleared of redundant buildings
- restored site, with natural attenuation
- restored site, with early release of land
- maximum practicable restoration

Consultation involved holding an Options Scoring workshop, internal and external stakeholder panel meetings, wider paper/web-based public consultation and a regulatory workshop and culminated in a DSG Decision Conference held in public on 15 February. DSG representatives were involved in each step.

The DSG Decision Conference allowed DSG members to review all the consultation evidence and to consider the views of the various stakeholders. The evening

*Continued on page 2*



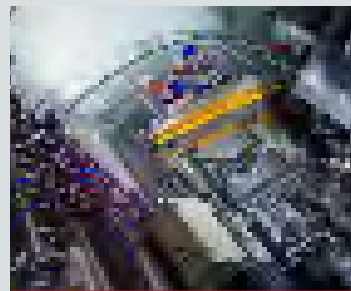
Dounreay



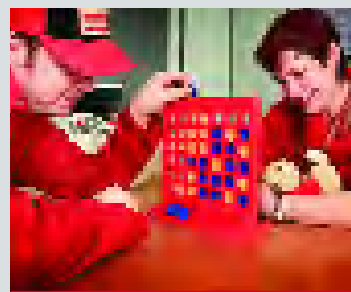
Your views  
- initial results : **2**



RM2 takes  
shape : **6**



Major MAST  
funding : **8**



Red Nose  
Day : **10**

*Plus all the news  
from your site...*

## Spectacular castle setting



UKAEA's Michelle Wise, Head of the Technical Services Group, was invited to address the fifth annual consultation of the Windsor Energy Group early in March, held in Windsor Castle.

Guests of honour at the event included diplomats and ambassadors from many countries, representatives of the global energy companies and university participants. UKAEA Chairman Barbara Thomas Judge chaired the panel discussion on New Nuclear Power Technology.

As well as giving a political overview of the global energy industry and looking at the oil market and the UK's energy policy, the meeting also examined the rush for bio-fuels.

Michelle Wise sat on the panel and gave a presentation on the technical challenges for nuclear decommissioning and waste management. "My aim was to look at some of the lessons we have learned during the decommissioning process and apply these lessons for future new build.

"It was a great honour to be asked to speak," said Michelle. "The venue was quite spectacular, in the old library in the grounds of the Castle itself. I was delighted that our Chairman, as a great supporter of future nuclear new build, was able to lead the debate."

Culham

Dounreay

Harwell

Windscale

Winfrith

## For future generations

Continued from page 1

meeting was preceded by an afternoon session to allow members of the public to view the exhibition material, ask questions, discuss the options and make comments. Over 100 people attended the Conference, with observers from organisations including Scottish Executive, SEPA, Highland Council, NII, Historic Scotland and the Nuclear Free Local Authorities.

A draft recommendation was circulated to all DSG members. The draft was discussed on the 14 March at the Environment sub group. The revised draft recommendation was tabled at the DSG meeting when the DSG endorsed Option 4 with conditions attached. The submission to the NDA is on target for the end of March.

### Winfrith

An exhibition showing the various proposals for the Winfrith site was presented to the local community in February. The Winfrith Stakeholder Sub Group produced initial findings and compiled a draft report for the NDA, taking into account the various views expressed by the public.



Winfrith

Representative volunteers from the full SSG membership formed a working sub-group to focus on the site end state consultation. Though the sub-group requested information from the site and the NDA on the range of end state options and the key features of each option, all discussions and stakeholder consultation were carried out independently. The SSG considered a full range of options for the Winfrith Site. The options were:

- return all of the UKAEA site to its pre 1957 (pre-build) state as far as is reasonably practicable
- as above but retain part of the site (approximately 25%) as potential development land as identified in the local plan

The end state recommended by the SSG and endorsed by the SSG membership after consultation with local stakeholders was: "The Winfrith SSG recommends that the UKAEA Winfrith site should be completely delicensed and made available for unrestricted use."

### Culham

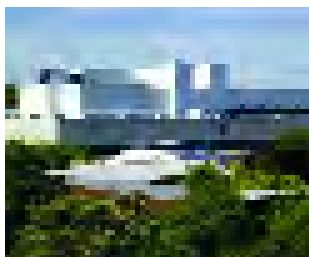
A public consultation on the end state for the JET site, after the use of JET has ended, has been carried out by the independent JET Site Stakeholder Group (JSSG) supported by the Oxford Institute for Sustainable Development (OISD) of Oxford Brookes University.

The consultation process took place from January to March and included focus groups, a website and an exhibition to give local people a chance to study a shortlist of options and express their opinions on them. The exhibition was attended by around 70 people, and the website was accessed more than 1000 times.

The current decommissioning plan assumes that JET will continue to be used for fusion research until the end of 2010 (although a later date is possible), and that the buildings and facilities on the JET part of the Culham site would then be removed and this area landscaped over the following ten years in line with the current temporary planning consents. However other options are possible, which would make further use of the JET buildings and facilities.

Of the 148 people who responded, 73% expressed support for making further use of the existing buildings and facilities for fusion-related research. The JET Site Stakeholder Group will report the results to the NDA and make a recommendation on the preferred end state based on the preferred end use.

UKAEA Culham Division Director Chris Llewellyn Smith said the findings were a pleasant surprise. "I am encouraged by the outcome and comforted by the local support for JET," he said. "We have excellent relations with the community and people clearly see JET – and Culham Science Centre generally – as an asset to the area."



Culham

## Staff survey – initial results

Well over 70% of UKAEA staff filled in and returned the recent Employee Opinion Survey questionnaires – a very encouraging response which will give UKAEA management a truly representative view of workforce opinion. Although anonymity on the returns was guaranteed and most respondents chose that route, some 20% put their names to the forms.

The top level survey results were made available to all staff via the Intranet at the end of March by independent consultants Det Norske Veritas, who also reported the findings to senior management and Trade Union representatives. More detailed analysis of the findings will follow.

Some initial findings from the report:

### On the plus side:

- More than 50% of respondents rated UKAEA highly as a good place to work.
- Safety issues drew a very strong positive response, with most people (over 90%) saying they felt safe in the workplace.

### On the minus side:

- The majority felt unsure about the future and wanted more clarification on the NDA strategy and site teams.
- Many staff felt they didn't receive appropriate recognition for the work they do.
- Some scepticism of UKAEA's commercial abilities was evident.

UKAEA CEO Norman Harrison said, "This report will help us greatly in highlighting opportunities to improve our communications and the way we run our business. I am personally committed to making sure that we develop and implement an action plan that will address the concerns expressed to us by staff."

Davie Alexander, Chairman of UKAEA's Trade Union Coordinating Committee (TUCC), said, "The TUCC fully support the survey and encouraged staff to fill in the forms and have their say. There have been numerous surveys carried out within the company over the years, without the results being fully addressed."

"The TUCC would hope that this survey will be assessed and any subsequent action plan will be followed through, and the unions will work with the company to ensure that the necessary actions are implemented."

Based on the survey returns, a total of more than £1,600 has been donated to nominated charities, divided as follows:

MacMillan Nurses	£714
Children in Need	£389
RNLI	£267
Help The Aged	£153
RSPB	£92



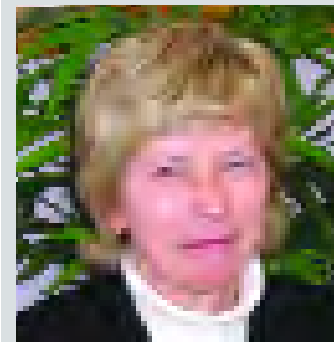
Norman Harrison



Davie Alexander

## Farewell to old friends

At the end of March, Mary Hills took over the role of UKAEA's Head of Communications from Beth Taylor, who is joining the Institute of Physics as Director of Communications and External Relations. Beth says goodbye (below) to all readers of UKAEA Today



In more than eight years as Head of Communications for UKAEA – that's 82 issues of UKAEA Today! – I have always resisted the temptation to use our newspaper as a soap-box for my views. This is my last chance, however, and I've just got to take it. So here goes...

For me, UKAEA has been a great company to work for. UKAEA's genuine commitment to equal opportunities made it possible for me to work flexible part-time hours while my children were young. Without this approach, I know that I would have had to make a difficult choice between a rewarding career and family responsibilities. I am very grateful to the company for allowing me to do both.

I have thoroughly enjoyed my job as UKAEA's Head of Communications. There have been lots of challenges, as you can imagine. Our industry – in particular a big site in a remote region like Dounreay – is always in the media spotlight, and even minor incidents have the potential to make major negative headlines in the press. The upside is that this job is never boring – you are always kept on your toes because there is always a new issue to deal with.

I have also been lucky to work with a fantastic team of colleagues. UKAEA can be really proud of its communications team, who have completely reversed the old secretive image of the nuclear industry with their commitment to open and honest communication. I know they will continue to do a great job at all our sites. I will miss them all very much indeed.

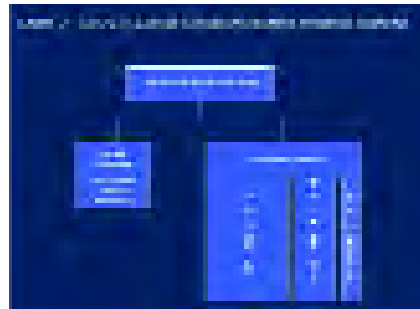
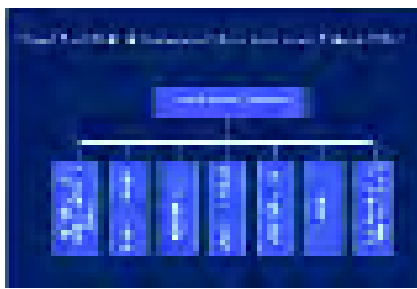
I wish all the readers of UKAEA all the very best for the future.

# Restructuring gets underway

UKAEA needs to restructure to create:

- Site Licence Companies, for NDA competition
- A new commercial company – “UKAEA Ltd” – which will initially own the SLCs, compete (with our Alliance partners) to win NDA site competitions, and develop other new business
- A continuing public body (NDPB) to take forward the work we do directly for government, primarily the fusion programme at Culham and also the development of the Harwell Science and Innovation Campus

UKAEA launched plans to create this structure in June 2006 but put them on hold while we resolved the detail with the



NDA and regulators. Now we are ready to get the process underway.

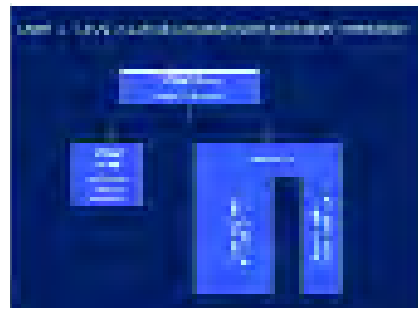
Changes will be made progressively, starting on 1 April this year when a new Divisional structure was set up within UKAEA (Chart 1), with the creation of Business and NDPB Divisions. Business Division has an initial complement of employees allocated to UKAEA Ltd who do not occupy posts which are subject to NII Licence Conditions, in particular Pensions Office staff, MPED, and the business development team. In NDPB Division, Group Services, ISaT and Property Development have joined the fusion team.

Later in the year, subject to regulatory approval, safety sensitive staff will migrate between sites and Business Division, to

create the structure in Chart 2. This structure will operate in “shadow” mode for a period, until the regulators are satisfied with the way in which the new arrangements work in practice. The target date for the start of shadow working is 1 September.

The process will be completed with the population of separate companies on 1 April 2008. UKAEA Ltd, Dounreay Site Restoration Ltd, and Research Sites Restoration Ltd will all remain subsidiaries of UKAEA up to the point of NDA competition (Chart 3). Windscale will be relicensed to Sellafield Ltd.

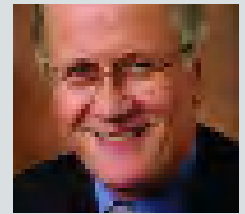
All UKAEA employees have received individual letters from CEO Norman Harrison, explaining where they are expected to sit within the new structure.



## Mediawatch

**Andy Munn**

Deputy Head of Communications



*After nearly 17 years in the Communications Department, Andy Munn retired on 30 March; this is his final Mediawatch.*

## Andy's swansong

I have to say a chill ran up my spine when I read the Guardian's report that the Head of the Congo's dilapidated and shut-down nuclear power plant had been arrested on suspicion of illegally selling enriched uranium. The country's newspaper has reported that “100 bars of uranium” had disappeared from the small research reactor.

I thought that the former Soviet Union was risky when it came to security of nuclear materials but having heard this account I can understand why the IAEA has expressed its serious concerns to the Congolese government. In the meantime, Congo's scientists want to re-start the reactor for a range of uses. Perhaps it would be safer if our guys did an accelerated decommissioning job instead!

Staff could not have missed the Greenpeace court victory in which the Government's nuclear new build public consultation was described by the judge as “seriously flawed”.

Coincidentally, on the same day we received a £140,000 fine from the Wick Sheriff's Court for particles contamination. A bad day in court for the nuclear industry but I really think our fine has helped to draw a line under a long and damaging legacy issue for UKAEA.

Finally, I bet few of you are aware of the new international warning symbol for radiation which was reported in the Daily Mail. Personally, I think it's not a patch on the old one which has been around since 1945 and is understood by everyone.

This is my last Media Watch for UT. I've really enjoyed trawling through the papers over the years seeking out quirky stories for the column. I wish you all the best for future and you can be sure I'll be watching out for UKAEA stories from my fireside!

## Excellence in action

In this regular column, we bring you good examples of safety practice, both to give credit to the teams or individuals concerned and so that others can learn from their experiences.



## Sustained approach continues to deliver

At this time of change, it is all too easy to lose our focus on safety. To make certain this does not happen, UKAEA has devised a Sustained Excellence approach to operational safety, which all sites have now adopted.

For example, each site now has regular – at some sites daily – Safety Assistance Centre meetings, when safety and project management staff meet to discuss any safety-related occurrences. This ensures that all events are dealt with quickly and lessons learnt are disseminated across the site. Weekly corporate level meetings ensure that these lessons are then spread rapidly across the whole company. This initiative is proving to be very beneficial.

- Dounreay has led the way, with daily, well attended meetings
- Windscale has responded positively to electrical safety issues
- Harwell is issuing a manual, setting out expectations for behaviour on site
- Culham is focusing attention on work control and benchmarking with other companies
- Winfrith is making good advances on pre-job briefings and fact-finding for unusual occurrences

# Promoting our credentials abroad

UKAEA's Kevin Wilson, Sandy McWhirter and Colin Bayliss represented the company at the annual Waste Management Conference held in Tucson, Arizona at the end of February.

Kevin described the decommissioning planning for the Joint European Torus (JET) reactor. Colin gave two lectures concerning the decommissioning of the A59 Post Irradiation Examination (PIE) facility and the Phase I Steam Generating Heavy Water Reactor (SGHWR) secondary containment at Winfrith on behalf of Andy Staples and Kevin McIntyre.

Colin also joined with the Nuclear Decommissioning Authority (NDA), British Nuclear Group, Sellafield

(BNG SL), BNG Magnox and Westlakes Renaissance to describe forthcoming decommissioning opportunities in the UK in general and on UKAEA's sites in particular.

UKAEA had a promotional stand at the conference which allowed visitors to note our new role for the provision of technical, engineering and assurance services together with project and programme management expertise.

Colin commented, “There is no doubt that the eyes of the world are now on the UK's forward decommissioning programme and UKAEA, in conjunction with its international alliance partners AMEC and CH2MHILL, are right up there with the leaders of the contracting community.”



Sandy McWhirter mans UKAEA's stand at WM'07, Tucson

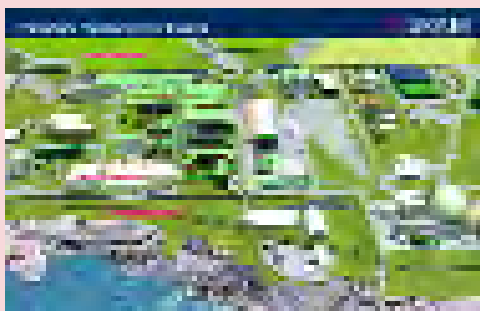
## Dounreay ■ DFR ■ NaK sampling ■ Particles ■ Change of plan

### Go ahead for revised project

The Highland Council has granted UKAEA planning permission for revised plans for the replacement ventilation project for Dounreay's Fuel Cycle Area (FCA).

The plans include the installation of two small stacks with fan arrangements and connective ducts. The replacement stacks will be considerably smaller than the existing stack.

Iain Lyall, UKAEA's Project Manager, said, "UKAEA submitted revised plans for this project, as optimising decommissioning of the Dounreay site has had significant impacts on the design for the replacement ventilation system whilst also saving the tax payer a vast sum of money. UKAEA only submitted these plans in mid December, so we are delighted with the Highland Council's quick decision."



### Public have their say

The second stage of consultation on the options for dealing with radioactive particles in the marine environment around Dounreay has come to a close.

The consultation focused on the criteria used to assess the 11 options identified by a scoring panel as most likely to succeed.

Exhibitions were held in Thurso, Reay, Castletown and Wick to provide members of the public a chance to see the progress being made in identifying the best practicable environmental option (BPEO).

Seventy-three people visited the exhibitions with a further 64 taking part in a series of workshops which involved members of the Dounreay Stakeholder Group, staff and contractors, high school and college students, local people living in the Caithness and North Sutherland area and those who live outwith the area. Seventy written responses were also received from members of the public.

Phil Cartwright, UKAEA's Particles and Contaminated Land Manager said, "Over the next few months the preliminary BPEO will be developed and made available for further public consultation before UKAEA makes a recommendation to Scottish Environment Protection Agency (SEPA) and the Nuclear Decommissioning Authority in early 2008."

Meanwhile work continues on measuring the extent of the particle contamination offshore at Dounreay using a remotely operated vehicle. Following the 2005 and 2006 campaign, plans are being prepared for further monitoring and mapping of the seabed.

During the summer months an additional survey and mapping of particles will be carried out. Phil Cartwright added, "We are determined to make substantial progress over the next year."

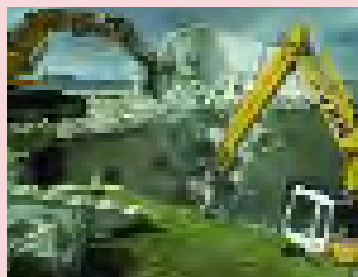


The Dounreay Fast Reactor (DFR) seawater pump house, which once towered over the shoreline, has been reduced to a flat plain protected by a wall of armour rock.

During its working life, the pump house supplied seawater to the reactor at up to 50 million gallons per day to condense the steam it generated. When DFR shut down in 1977, the pump house became redundant, and was demolished in 2003.

UKAEA has worked with the Crown Estates, who own the shoreline from the high tide mark, and environmental regulators SEPA, on the design of the cap for the pump house site.

Where the pump house once stood, only the outer wall and the seawater channel remain. High quality armour



rock from the local diorite quarry at Sandside Estate and rubble from the site is being used to fill in the hole left behind.

Robbie Manson, UKAEA's Facility Project Manager, is overseeing the work. "We have poured 4,000 tonnes of rubble into the hole, and used 3,200

tonnes of armour rock", he said.

Geoffrey Minter of Sandside Estate is pleased that the Estate was able to assist UKAEA in completing the project. "Sandside has the only diorite quarries in Caithness", he explained.

"This heavy and angular form of granite is of the highest quality and is the best material for use as armour rock in coastal defences because it binds together so extremely well. Sandside Estate is always pleased to be able to work with Dounreay towards securing its future."

The capping will be completed with an impermeable membrane over which a layer of topsoil will be spread. Once this is grassed over in the summer, there will be little evidence left of this part of Dounreay's history.

### Getting ready to empty the dome



In preparation for removing one of the main hazards from its famous landmark dome, Dounreay is carrying out sampling of the radiologically contaminated liquid sodium-potassium (NaK), the coolant from the primary circuit of the Dounreay Fast Reactor (DFR).

The last NaK samples were taken over 25 years ago. The former coolant is being sampled to determine the radionuclide and chemical impurities present, to ensure it's ready to be processed through the purpose-built NaK destruction plant.

Two samples have been recovered, one from the reactor charge hole and a second from within one of the primary circuit expansion tanks.

NaK samples were obtained in a sample carrier consisting of four small inert crucibles. As DFR primary NaK is very radioactive, the samples were held in special shielded containers, which were used to transport them to the Alkali Metal Laboratory, where they were safely reacted to aqueous solutions in a controlled environment.

The NaK samples are also being used to commission the Alkali Metal Laboratory NaK glovebox and to train the analysts who will support the NaK disposal plant. Consistent and accurate analysis will prove to our regulators that the plant operations are safe and environmentally sound. The pioneering facility is designed to safely dispose of the coolant using a proven means of dissolution, where the NaK is transformed from a highly reactive metal into sodium/potassium nitrate and water.

The removal of the NaK will uncover the breeder elements and enable the breeder removal to commence, which will be handled in the new containment building under construction adjacent to DFR. Thereafter, the passivation and strip-out of approximately nine kilometres of pipework will begin, followed by the strip-out of reactor components and ancillary equipment. It is expected to take up to the year 2030 to complete.

# Out with the old and in with the new



Old age and severe weather have taken their toll on Dounreay's seasonal Visitor Centre.

The former World War Two air traffic control tower was damaged during severe flooding in November and further deterioration over the winter months has led to its closure being brought forward.

Dounreay will now concentrate on providing a new exhibition about the history and decommissioning of the site as part of a multi-million pound development in Thurso.

Caithness Horizons is scheduled to open in 2008, and the intention was to keep the existing centre running until the end of the 2007 summer season. The money saved by bringing forward the closure of the old

building, hurriedly erected almost 70 years ago when Dounreay was a naval aerodrome, will be reallocated to decommissioning work at the site.

"The guides who staffed the facility each summer did an excellent job for the site and I am sorry we won't be able to provide them with one last season of work," said Colin Punler, Site Communications Manager.

"But there comes a point in the life of any building when it doesn't make sense to invest more money and sadly we have now reached that point with the old control tower."

*See page 11 for more on Caithness Horizons.*

## Nuclear leaders meet up

Leading figures in the UK nuclear clean-up business met at Dounreay to see at first hand the progress being made to clean out and demolish the fast reactor.

The group included senior figures from UKAEA and its Alliance partners, British project management company AMEC and US decommissioning contractor CH2MHILL. During the visit, they spent time in talks at the site with Ian Roxburgh, Chief Executive of the NDA, and its programme director Jim Morse and the group hosted talks with prominent stakeholders at Forss House Hotel.

UKAEA Chief Executive Norman Harrison

and Marketing Director Martin Wenban were among the host contingent.

Leading the delegation from CH2MHILL was Jessie Roberson, President and Group Chief Executive of CH2MHILL nuclear business group. Also representing CH2MHILL were Mike Rengel and Peter Swenson, senior figures in the company's UK business.

AMEC was led by Mike Saunders, president of AMEC Nuclear, and he was joined by Gerry McGill, managing director of business streams and market development, and the company's management and operations director Frank Winter.



Ian Roxburgh, Chief Executive of the NDA (centre), with Programme Director Jim Morse and Dounreay Director Simon Middlemas

## Breeder cell installation begins



Arrival of breeder liners on a snowy day in Caithness

Dounreay's breeder containment building, the imposing structure adjacent to the famous Dounreay sphere, is now fully clad and wind- and water-tight, with the installation of crucial processing equipment about to start.

The pioneering plant to remove the breeder elements from the Dounreay Fast Reactor (DFR) is beginning to take shape, with the 25 tonne crane already in position and the process cell now on site ready for the installation to begin. This cell and associated equipment is responsible for dismantling the breeder elements, by removing the cladding and exposing the uranium slugs in preparation for packaging into 500 litre drums, ready for storage.

The cell has been designed, manufactured and tested by French company SGN. The work on site is being undertaken for UKAEA on behalf of the Nuclear Decommissioning Authority by ALSTEC supported by local contractors. The breeder removal is due to start in 2009.

## Schoolchildren brave the weather

Fifteen school children from Reay Primary School and their teacher, Jayne Blackburn, braved the windy weather to visit the meteorological station at the Dounreay Visitor Centre.

The children have been carrying out their own weather project at school, measuring rainfall and wind speeds, and their level of knowledge was impressive.

They were given high-visibility waistcoats to wear, donated by CH2MHill, before they inspected the weather station. UKAEA's John Heathcote, who is responsible for the weather stations at Dounreay, showed them the charts for the storm of 26 October 2006, when the winds had reached nearly hurricane force and Caithness received nearly a month's rainfall in less than a day.



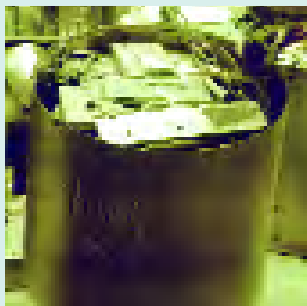
## Radium project back on track

Following a breakdown and repair of the Decommissioning Cell hoist, B220's high active handling team have resumed work on the project to encapsulate radium waste in grout, for transfer to Harwell's B462 complex for storage until the new Waste Encapsulation Plant becomes operational.

The first cans, containing grouted waste arising from work carried out in B220, were filled in October 2006. However, work had to be suspended until February while repairs to the Cell hoist were carried out by members of the team and JCI, using spare parts which had to be obtained from the USA.

"Since then, thanks to the efforts of the whole team, we have sent out three more cans and are back on schedule," said Radium Project Manager, David McKeown.

The work to repackage and encapsulate the wastes to immobilise "fines" and minimise "voidage" and radon discharges to make it NIREX compliant is expected to take up to two years.



Waste to be encapsulated

## Delivery of 260-tonne 3D puzzle

The delivery of Harwell's second Retrieval Machine (RM2) in March marks the beginning of the next phase in this key project for the site's clearance programme.

RM2 will be used to enhance Harwell's ongoing Intermediate Level Waste (ILW) retrieval operations, so legacy ILW stored on site can be safely retrieved, repackaged and conditioned, ready for final disposal.

Vault Store Manager Stuart Watson said, "The arrival of RM2 signals the start of a major programme of commissioning work at 462 that will result in considerably higher levels of waste retrieval.

"To ensure that UKAEA meets NDA requirements we need RM2 not only ready on programme but also to operate to its design output. The team at 462 have already been working hard to make sure that this happens. They have been developing and testing the complicated movement sequences on a scale model.

"A constant stream of staff have travelled down to get a head start on the machine at the factory. That has involved virtually everyone from operations and maintenance through health physics to the safety office. Intensive co-ordination meetings at 462 with safety at the top of the agenda will continue to ensure that the commissioning completes to programme."

The machine, which weighs a total of 260 tonnes, is being delivered in more than 30 separate modules, many of them weighing close to 10 tonnes. Over the next few weeks, a team of operators will have their hands full assembling these modules according to detailed drawings and instructions.

"Even delivery of the modules was quite a tricky operation," explained Senior Project Manager Richard Lightowers. "Manoeuvring the component parts into the building – particularly the base plate, containment box and heavy shielding – is particularly demanding."

Inactive commissioning of the machine is due to begin at the end of April and is expected to last until September, when active commissioning will begin. The aim is to have RM2 fully operational by spring 2009.

In the meantime, two years' intensive work for UKAEA staff, assisted by design and build contractors Assystem UK Ltd, lies ahead.



RM2 under construction

Putting the machine together will be something like completing a very large, very heavy 3D jigsaw puzzle, according to Richard.

"Factory acceptance testing at Assystem's sub-contractor Fleet Support Ltd's works at Portsmouth ironed out most of the problems but nonetheless it will be a complex, precision process. The beauty of this machine is that it could be

built at the factory, tested and dismantled there, and then re-assembled at Harwell."

Preparatory work on site has included installing a new ventilation system and a waste transfer corridor, so that the assembling of RM2 will not affect the other operations.

"Delivery of RM2 to Harwell is a key milestone not only in the project but also in the Harwell site restoration programme," said Roy Manning, Programme Manager of Harwell's Active Waste Retrieval Programme. "The project has overcome some significant technical problems in reaching this point. We now look forward to the machine entering full operation and providing a large increase in the waste retrieval capacity."



Retrieval equipment stored within the RM2 Containment Box

## Introducing the Harwell PPE Advisory Service

Harwell's Personal Protective Equipment (PPE) Advisory Service provides equipment and advice to keep staff and contractors on site safe.

The team keeps a full range of Respiratory Protective Equipment (RPE) and PPE for immediate use, and specialist items can be ordered. Equipment and clothing can be tried at the Central Distribution Point (CDP), which from 1 April will be temporarily located at B152.

In addition the Service provides advice on appropriate task-based PPE, as well as routine training and testing of RPE. PPE e-learning packages are available via the UKAEA intranet.

Routine management of site RPE equipment is handled via the appointed contractor. This has reduced costs, enabled the establishment of a

database, raised awareness and improved hygiene standards. Non-routine maintenance can also be organised.

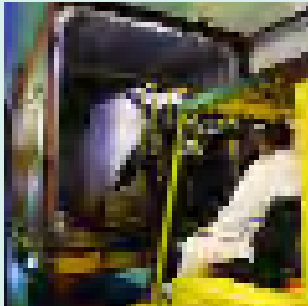
The team responds to UNORs that have a possible PPE implication and seeks to maximise the effectiveness of any PPE recommended.

Over the past year the Harwell PPE Advisory Service has introduced two new types of Flowhood for use in active areas; the Scott T2 and T25. The T25 incorporates a safety helmet and is particularly useful for use in areas where head protection is needed. The hose fittings to the T2 and T25 have been improved and redesigned to the Harwell specification. When they are delivered, Harwell will be the first users of these hoses and they will be the new standard throughout the worldwide nuclear industry.



PPE advisory team, Colin Pickett, Myra Hardiman and Dave Weaver

## Last glovebox leaves B220



Loading the last glovebox

The two-and-a-half year programme to decommission and repackage redundant gloveboxes from one of Harwell's research facilities has been completed a year early and under budget, thanks to strong co-operation between teams from Harwell's B220 and B462.

The completed work includes the two most challenging boxes and means that for the first time in more than fifty years, B220 has no active gloveboxes.

"The gloveboxes arguably created the greatest hazard within B220 and removing them has been a significant step in hazard reduction within the facility," said Project Manager Bob Baker.

"The whole team delivered significant commitment in the last three months to ensure that all the gloveboxes were shipped to B462 before the end of the financial year. This is particularly impressive considering the uncertainty surrounding the announcement of NDA funding cuts at Harwell."

Working closely with them at the other end of the project is the B462.1 team, who are responsible for size reducing and repackaging the gloveboxes.

The B462 team received the first glovebox in December 2005 and completed processing the final glovebox on 25 March 2007, having processed a total of 76 boxes.

Dave Bird and Brent Ray's team consists of nine operational staff, supported by a maintenance team and health physics professionals from contractors NUKEM. "It makes particular demands on our operations team, without whose careful and methodical approach the project would not have run so well," said Dave.

The next major task for the B462 team is to perform activity assessments of the waste packages. If this is successful it should be a large saving to the public purse.

## Winfrith ■ SGHWR visit ■ Economic and environmental savings

### NII visits the site

HM Chief Inspector of Nuclear Installations, Mike Weightman, recently visited Winfrith to familiarise himself with UKAEA's work on the site. He visited both SGHWR and WETP and two Winfrith tenants, WMTL and Amec NNC, as well as meeting UKAEA safety reps, site safety reps and UKAEA managers.



UKAEA's Andy Haas with NII's Tony Walker, Mike Weightman and Gary Booth

## Asbestos reduction brings benefits



A project to compress asbestos has been successful in reducing the volume of waste leaving the Winfrith site for processing, with considerable economic and environmental benefits.

To date, a total of 194 bags of asbestos have been pressed and loaded into 16 drums, reducing the volume down from 38 drums and in the process saving around £17K. The project is set to continue.

The compression process, conducted to HSE safety requirements within an asbestos enclosure and using wet asbestos, is carried out by UKAEA in collaboration with asbestos contractors CAPE Industrial Services. Bags are punctured, pressed and posted into drums, air and some liquid is removed, the drums are sealed and then supercompacted in an asbestos controlled environment ready for off-site processing.

## Dounreay energy costs cut

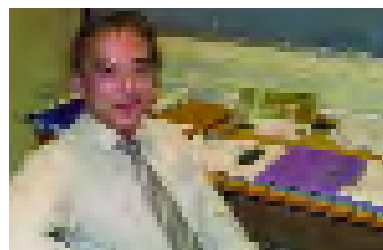
Dounreay

One of the recommendations of the energy management report carried out by The Carbon Trust at Dounreay was the appointment of a site Energy Manager. Ian Mackay took up his post in July 2006 and has since been working towards making staff and contractors more aware of the need to save energy.

The Carbon Trust's five-day survey concentrated on all aspects of energy use, to pinpoint scope for savings. The report highlighted the most important activities the site needs to undertake to reduce energy consumption, cut carbon dioxide emissions and decrease financial expenditure.

Nine priority recommendations were made. As well as appointing an Energy Manager, these included expanding the site's existing energy policy, providing sufficient resources to manage energy more effectively, and reducing the site's annual electricity consumption by 5%.

Ian has set up an Energy Coordinators Working Group to repre-



Ian Mackay

sent the various departments and be his 'eyes and ears' on the site. The group meets up monthly.

"We look at areas where energy usage is high and see what we can do to reduce this consumption," said Ian. "This could be anything from simply getting people to switch off lights and computers when they are not in use to recommending the installation of more energy-efficient plant, such as pumps, motors and ventilation systems.

"Another priority for me was to arrange awareness training for all staff and contractors. This was carried out by the Carbon Trust – at no cost to UKAEA – and took the form of a presentation on energy awareness held in our site lecture theatre. Two sessions were held in January and a total of 120 people attended."

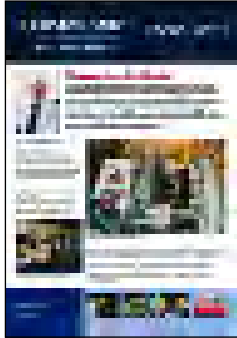
As the decommissioning of Dounreay progresses, it is recognized that during the first 2-3 years there will be a requirement for increased amounts of electricity to operate new facilities such as the PFR Sodium Disposal Plant and the DFR NaK Disposal Plant.

This requirement is being partially offset by the demolition of now redundant buildings and has resulted in an overall saving on electricity to date of 3.4%. Taking account of increased demand from new facilities, on a like for like basis, we have saved almost 9% from the original consumption baseline of 2005/06.

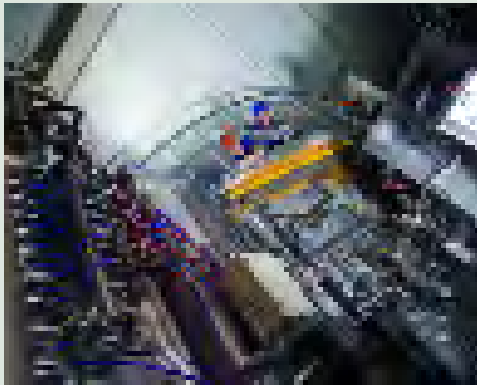
## The Star is born

The Culham Star, the new UKAEA Culham Division newsletter, was launched in February.

The publication – to be published ten times a year – will keep staff on the Culham Site informed about progress on the UK fusion programme and JET operations, as well as sharing news from all the teams at Culham. Susan Hayward from Public Relations is the editor and can be contacted on 01235 466363 or by email [susan.hayward@ukaea.org.uk](mailto:susan.hayward@ukaea.org.uk).



## Steps towards major MAST upgrade



Built on a shoestring, MAST has been successful in confirming the promise of its predecessor START in achieving bigger, hotter plasmas. It continues to make very important contributions in preparation for ITER.

But MAST needs more investment if it is to fulfil its exciting potential and contribute to the development of spherical tokamaks and to tokamak physics generally. Some £4 million has been allocated in the coming year for an ongoing programme of enhancements and preparation for the major MAST upgrade, for which additional funding is being sought from the Government's Spending Review.

Future MAST enhancements will be dealt with by a new MAST Experiments and Development Committee (MEDC), to be chaired by Brian Lloyd. The new MAST Upgrade Programme Committee (MUPC) will be chaired by Derek Stork and the MAST Steering Committee will be chaired by William Morris.

"I believe this reorganisation will allow us to optimise the ongoing contributions of MAST to fusion development, while ensuring the success of the upgrade, which will position MAST to make even more important contributions in the longer term," commented Professor Sir Chris Llewellyn Smith, Director of Culham.

## Science Shop

A range of 'hands-on' science activities were on show at the recent Science Shop event organised by the Oxford Trust in Oxford.

Among the demonstrations were the Levitron, a gyrating magnetic top which hovered in the air by means of magnetic repulsion; balloons and marshmallows expanding in a vacuum chamber; and tubes showing how magnets travel at varying speeds through different materials.

The event was attended by all ages and stands included the UKAEA Culham interactive Fusion Road Show, together with other science activities and brain teasers, quizzes and 'feely boxes' from the Oxford Urban Wildlife Group.

More details of Oxford Trust's events can be found on <http://www.oxtrust.org.uk/>



Staff demonstrate the science of fusion at 'Science Shop' in Templars Square shopping centre, Cowley



How big will the balloon get? Duarte Borba demonstrates the vacuum chamber

### Wow! How?

Natural batteries, liquid nitrogen demonstrations, a magnetic accelerator, bug handling, fossil casting, rocket making, paper butterflies, solid custard, plasma balls, vacuum containers and much, much, more were demonstrated at Wow! How?

The Museum of Natural History Oxford was the venue for this 'drop-in' science and engineering fair, designed to enthuse young people and their families about science. The event was attended by over 2000 people and was run during National Science and Engineering week. Staff from Culham demonstrated many elements of the science of fusion, magnetism, manipulating plasma and the behaviour of materials vacuum conditions.

## Graduate scheme introduced

With the advent of ITER and materials testing facilities, fusion is moving into an applied phase. More engineers will be needed to realise the designs for future devices.

The Culham Graduate Scheme has been introduced to meet this need by recruiting graduates mainly from engineering disciplines. The scheme complements other site activities, such as Monitored Professional Development Schemes (MPDS) accredited by the professional bodies IMechE, IET and IChemE and Engineering Outreach. Applicants will undergo a comprehensive selection procedure which includes attending an Assessment

Centre, interviews and various tests. Successful graduates will be offered engineering positions at Culham and undertake an intensive two year programme of development. Each programme will be individually

tailored to meet the graduate's personal and professional development needs. Enrolment on the MPDS and the assigning of a mentor will mark the first steps towards becoming a Chartered Engineer, a process that runs beyond the completion of the graduate programme.

If you are interested in mentoring graduates (training is provided by one of the professional bodies) or know a promising candidate who would like to apply, more details can be obtained from Anna Barns, Senior Administrator for Graduate/Apprentice Recruitment and Engineering Outreach, or by visiting [graduate.fusion@ukaea.org.uk](mailto:graduate.fusion@ukaea.org.uk)



Anna Barns at a graduate recruitment fair in Leeds

## Closed Nuclear Centres Programme

Duarte Borba was the host for a recent visit to JET by the Closed Nuclear Centres Programme.

The tour was part of their Study 2007 programme which included visits to UK universities and business institutes as well as some cultural sightseeing. The delegates included 14 directors and senior managers from Nuclear Research Institutes in Armenia, Kazakhstan, Ukraine and Uzbekistan. During their tour of JET they also participated in a networking session with other Russian scientists from JET and MAST. "They were a very interested and enthusiastic group," said Duarte Borba, Head of Office for the EFDA associate leader for JET. "It was a pleasure to show them round the JET facilities and participate in interesting discussions."



The Closed Nuclear Centres Programme group beside the JET model of the vacuum vessel

# Update on Windscale transition

Windscale Communications Department facilitated an Information Room on 23 March to give the Windscale staff, agency supplied workers and secondees an opportunity to meet the Integration Project team and Work Stream leaders to discuss any areas of the transition process that concerned or interested them.

UKAEA and BNGSL have established a joint team approach to managing the transition programme. Under the programme, some important principles have been developed:

- The transition will be managed to ensure there is no detriment to safety on the Windscale or Sellafield sites
- The overarching consideration will be maintaining stability and continuity for staff, agency workers and contractors throughout the change
- The transition will be based on minimum change to the organisational structure and management arrangements
- The target date for transition (i.e. the date of staff transfer) is April 2008.

Several key licensing and management arrangements were endorsed recently at a meeting with the NII and EA. It was agreed

that at the transition date there will be two site licences, for Calder Hall/Sellafield and Windscale, both licences being held by BNGSL (to be renamed Sellafield Ltd). UKAEA's management system will continue to be employed prior to, during and after the shadow operation - in particular, its safety management arrangements.



## Barrow Rotarians

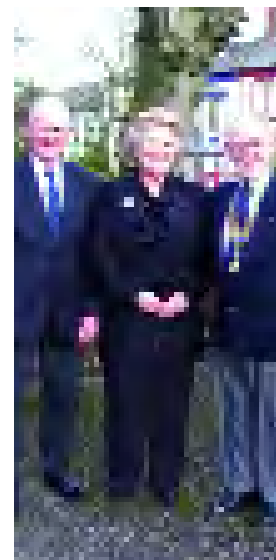
Windscale Communications Manager Fee Wilson was recently invited to speak to the Rotary Club of Barrow on the work being undertaken at Windscale to progress nuclear decommissioning on the site.

Fee spoke to a group of over 30 members of the Rotary about the history of Windscale, UKAEA's socio-economic work in the local community through the British Trust for Conservation Volunteers (BTCV), and the Head of Site's Community Fund. She also spoke about the major projects on the Windscale site, including decommissioning the Piles reactors and the Windscale Advanced Gas-cooled Reactor (WAGR).

### Grateful

Many of the Rotarians have an interest in nuclear decommissioning as they worked for BAE systems at Barrow and Vulcan on the nuclear submarine programme. The President of the Rotary was grateful for the time taken to speak to the group and felt that it had been an extremely interesting presentation.

Fee Wilson said, "It was a very interesting group to talk to from a wide range of backgrounds. I enjoy the opportunity to share UKAEA's achievements and challenges within the wider stakeholder community."



Communications Manager Fee Wilson with members of the Barrow Rotary Club

# Working safely at WAGR

Hertel, the support services company, recently held a Safety Awards ceremony for their team of decommissioning operatives, all licensed asbestos workers working on the Windscale Advanced Gas-cooled Reactor (WAGR) decommissioning project.

The awards ceremony recognised that the team had accumulated 1000 man hours of safe working and to celebrate this achievement they were awarded a company certificate and letter from the Site Manager.

It was attended by the UKAEA Senior Project Manager for the Western Area of Site, Terry Benest.



(l to r) Donald Macintosh-Innes, Sean Hetherington, Andrew Bolton, Colin Volkaerts, Joseph Walker, Dave Rothery, Ralph Pattinson and Paul Sykes of Hertel, with Windscale's Terry Benest. Not all the Hertel team who received safety awards were able to attend

## NVQ success for Windscale trainee

Congratulations to Leigh Sharp who has achieved her NVQIII in Business Administration. Leigh joined UKAEA as an administration trainee in February 2007 through RWP Training Ltd. She worked hard to achieve her NVQ and was rewarded when she received her certificate in a ceremony on the University Campus in Carlisle.

Leigh's supervisor Alison Harrison attended the presentation ceremony with Leigh and said, "This is the first time that we have recruited trainees at Windscale in the administration field. Leigh's success is one to be proud of. The trainee scheme has allowed Leigh to develop and attain nationally recognised qualifications in administration."

Leigh is the first administration trainee to be trained at Windscale by RWP Training.

## A challenging year

The past 12 months in the Leased Operations Facilities (LOF) at Windscale have been very challenging, given the high level of regulatory activity and customer scrutiny.

At the start of the year staff were faced with discharging an outstanding Improvement Notice, the preparation of two significant safety cases and the development of plans to enable improvements to the Shielded facility to be achieved.

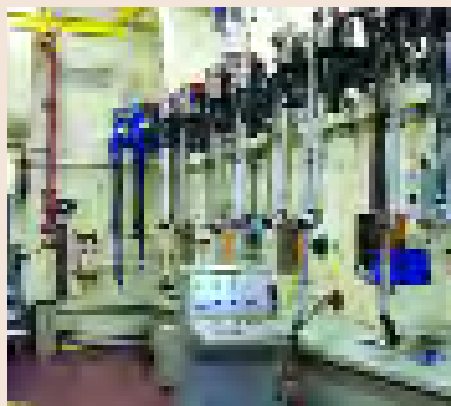
In August 2006, the Improvement Notice relating to the control and supervision of work within the Shielded facility was discharged to the satisfaction of the NII.

Work involved developing a framework for the control and supervision of operations in conjunction with Nexia Solutions Ltd (the tenants of the Shielded facility). The competency of a number of Building and Task Supervisors was also assessed, an independent inspection of the new system was conducted in July 2006 by UKAEA and Nexia corporate staff, prior to the NII "close out" inspection.

The project has also delivered two major safety cases. The first, category A modification to enable the Shielded Facility Operational

Safety Case to be adopted, was submitted to the NII in December 2006. The second safety case was the combined building Operational Safety Case (OSC) which replaced the existing safety case, bringing it into line with modern standards.

In January 2006 the NDA awarded the contract for engineering improvements to the Shielded facility.



## Comic Relief around the sites

# Red Nose antics light up the day

### ● Dounreay

Staff at Dounreay take fundraising very seriously. There were a number of well-supported events taking place to raise money for Comic Relief on 16 March. To highlight the many activities, UKAEA projected a video clip of staff in their red noses onto the side of the Dounreay Fast Reactor sphere on Friday night.

Among the imaginative antics, staff at Naver House had an office swear box and sold home baking, which netted £100. Staff at DFR sold hot pies, sausage rolls and bridies, and ran two competitions. They raised the grand total of £260. The Great PFR Gunge returned with a vengeance, and three unfortunates – Raymond Hill, Dave Burgoyne and Steven Sutherland – were 'gunged' for charity, raising over £787.

A total of £164 was raised in Forss, through a combination of a swear box, a cream cracker eating competition and donations from staff. In D1200, a golf putting competition, Weakest Link Challenge and a feast of bake sale goodies raised £450. In D2003, cowboys and indians wandered around the middle floor selling a wordsearch and holding a coffee morning, and raised £435; the Drawing Office raised £227 with their bake sale; and a lunchtime competition on the top floor raised a further £16.



### ● Culham

Culham's Book Shop was opened specially for Red Nose Day. The Book Shop, usually open for business on the first Thursday of every month, raises money throughout the year for a range of charities by selling books donated by staff, as well as CDs, videos and other items. The Red Nose Day special opening raised £116.

### ● Harwell

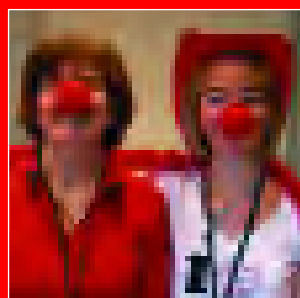
The Harwell Nuclear Facilities Team in B552 hosted a 'pub quiz' for Comic Relief, raising £106.

### ● Windscale

At Windscale, they raised close to £1000 for Red Nose Day through a coffee and cake sale, safety treasure hunt, raffle and auction. The total was swelled when Tim Harris sportingly volunteered to dress up for the day.



### ● Winfrith



At Winfrith they held a cake sale and a sweepstake. Thanks to sweepstake winners Paul Lynham (Costain) and Graham White (A58), donating their winnings back into the pot, and staff donating £1 for the privilege of wearing something red, well over £300 was raised.



## The latest on Logical Separation

As UKAEA restructures into different organisational units, ISaT has been working hard to separate the various IT systems and associated data.

Wherever possible, business processes have been retained and only changed where circumstances demanded it.

This is a summary of the changes that have already taken place and those scheduled to happen:

### SAP

Separate SAP companies for each entity are now in place.

These are as follows:

- Dounreay
- Harwell-Winfrith
- Windscale
- Business Group
- NDPB

### Network Login, File and Print services

The rollout of the new network operating system ("Active Directory") is currently underway and is being done in a phased manner. Every network user will be contacted individually with the arrangements to move their account to the new system.

The change that will affect network users most is the move to "Active Directory". This will mean a slight change to the way you login to the network, access programs and carry out other tasks such as mapping network drives, printers etc. If you've already been migrated then we hope you found

the process simple and straightforward. If you haven't yet been migrated then full instructions will be sent to you soon.

"Active Directory" allows ISaT to better support each SLC, by better identifying groups of users and allowing custom policies to be applied to these groups. It also allows us to plan future improvements, such as using a single password for multiple systems, and introducing password recovery.

### Corporate Applications

A total of 12 corporate applications have already been logically split. The only remaining ones are AURA and the Programme Control Office (PCO) tools.

### Intranet

Individual Management Systems for each Site Licence Company are now in place. In addition, plans are underway to enable each SLC to automatically restrict their own content to their own staff.

### Lotus Notes

All email servers have now been upgraded to the next version of Lotus Notes. This will allow email customisation for each SLC.

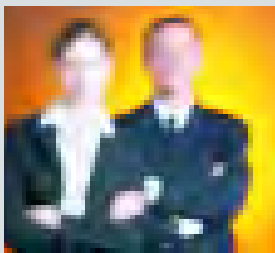
### Other areas

A complete review of all databases/shared areas has been undertaken to ensure that ownership details are up to date. All eLearning courses have been revised to take into account the various system changes. All user guidance on the Intranet has been revised. Security accreditation documentation has been fully revised.

ISaT would like to thank everyone who has assisted in this major project already, by helping verify shared areas/databases or by helping test applications. Your help is appreciated.

If you have any queries relating to the IT Logical Separation project, please contact John Briskham on Dounreay ext 6263. You can also find out more information in the "IT Projects" area on the ISaT Intranet pages.

## Milestones



Congratulations to all staff celebrating UKAEA career milestones this month

### 45 years and over

Jim Baillie • Dounreay 12/04/66

### 35 years and over

Patricia Sagar • Culham 16/04/73  
Chris Wilson • Culham 15/04/74  
John Dowling • Culham 2/04/75  
Colin Rayner • Culham 28/04/75

### 25 years

Philip Morgan • Culham 1/04/82  
Iain Pollock • Dounreay 13/04/82  
Peter Ritson • Harwell 13/04/82  
Nigel Mott • Culham 19/04/82

### 20 years

Claire Prestidge • Harwell 6/04/87  
Steve Hancock • Harwell 13/04/87  
Steve Fisher • Harwell 27/04/87

### 15 years

Julie Morgan • Dounreay 1/04/92  
Lynne Adams • Dounreay 1/04/92  
Deniese Willis • Culham 6/04/92  
Julie Smith • Harwell 28/04/92

### 10 years

William Henderson • Dounreay 1/04/97  
John Deighan • Dounreay 1/04/97  
Mike Driscoll • Culham 1/04/97  
Gordon Gunn • Dounreay 1/04/97  
Lorna Dunbar • Dounreay 1/04/97  
Fiona Ritchie • Dounreay 1/04/97  
Kathleen Begg • Dounreay 1/04/97  
Scott Campbell • Dounreay 7/04/97  
Isla Fray • Harwell 7/04/97  
William Morison • Dounreay 14/04/97  
Carolyn Bird • Harwell 21/04/97  
Caroline Wilberforce • Harwell 21/04/97

Please note that Milestones are calculated on years of continuous service.

## Website of the Month

# From Stone Age to the Atomic Age

If you haven't looked at the Caithness Horizons website for a while, you're in for a pleasant surprise. These bright and informative pages are full of interesting facts, whetting the reader's appetite for the facility that is to come.

For anyone not familiar with the project, Caithness Horizons is a partnership formed to create an outstanding community and cultural focal point in Thurso Town Hall, for the local community and visitors to Caithness and the North Highlands to enjoy.

The project involves the refurbishment of the Town Hall and Carnegie Library – fine Victorian buildings – and the creation of a high quality museum telling the story of the area from 'Stone Age to Atomic Age'. The museum will build on existing exhibitions owned by Thurso Heritage Society and the UKAEA's Visitor Centre at Dounreay.

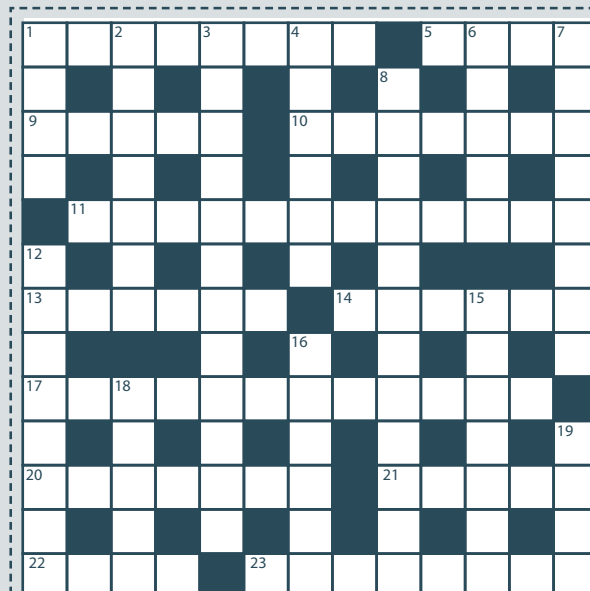
You can keep up to date with news on the project and see how it is progressing via the gallery of pictures, as well as taking a look at some of the museum's artefacts. You can also download copies of the various plans and take part in an online survey, designed to help the project find out more about its potential visitors.

<http://caithnesshorizons.co.uk>



Please remember that the Website of the Month feature suggests websites you might like to access from your home computer. If you are in doubt about which sites you are permitted to access in the workplace, please refer to the UKAEA Internet policy.

## £25 Prize Crossword



Name \_\_\_\_\_  
Location \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone \_\_\_\_\_

### Win £25 with our Big Prize Crossword

Send your completed entry to: Communications, UKAEA Crossword, B521/G30, Harwell, Didcot, Oxon OX11 0RA. Entries for the April 2007 crossword should arrive no later than 11th June 2007.

### Cryptic Clues

#### Across

- 1 & 5 Greene's work on south coast candy (8,4)
- 9 Quiet caress by bush (5)
- 10 The changing rate of performance (7)
- 11 Trendsetter upsets woman with a button (3,5,4)
- 13 Fly perhaps in religious faction (6)
- 14 Tightens word forms (6)
- 17 Crooked feline grin at page separation (12)
- 20 Sue sits around with gauzes (7)
- 21 Theories from inside a scientific mind (5)
- 22 Remains of sleep (4)
- 23 Raves, then changes exploits (8)

#### Down

- 1 Low pitch for fish (4)
- 2 Where to find cobbles, making progress (7)
- 3 Legal safeguard for cherubs involved in a soap (6,6)
- 4 Deceive and bowl over beast (6)
- 6 Overcome by a party in the park? (5)
- 7 Sensitivity for sharp characteristic (8)
- 8 These fit folk get round awkward situation (6,2,4)
- 12 Good man gets under car for Queen and Government member (8)
- 15 Boy clears fourteen lines (7)
- 16 Work-out cause (6)
- 18 Jobs model demands (5)
- 19 Is repeatedly meandering around Oxford (4)

### Quick Clues

#### Across

- 1 Seaside resort (8)
- 5 Stone (4)
- 9 Plant (5)
- 10 Drama (7)
- 11 Gentleman (3,5,4)
- 13 Bug (6)
- 14 Stretches (6)
- 17 Dividing papers (12)
- 20 Webs (7)
- 21 Notions (5)
- 22 Repose (4)
- 23 Waxes lyrical (8)

#### Down

- 1 Voice (4)
- 2 Encroachment (7)
- 3 Law restricting custody (6,6)
- 4 Trick (6)
- 6 Beat (5)
- 7 Enthusiasm (8)
- 8 Tricky matter (6,2,4)
- 12 Serve (8)
- 15 Poems (7)
- 16 Common sense (6)
- 18 Chores (5)
- 19 Egyptian goddess (4)

### February winner and solution

The lucky winner is John Harris, who works at Windscale.

Across; 7 Concentration, 8 Revealed, 9 Blue, 10 Skating, 12 Devil, 14 Sneak  
16 Diamond, 19 Hair, 20 Sprinkle, 22 Consideration  
Down; 1 Rose, 2 Accent, 3 England, 4 Pride, 5 Stable, 6 Solution, 11 Kangaroo  
13 Library, 15 Across, 17 Minute, 18 Aside, 21 Loop

## UKAEATODAY

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**Emma Burwood** : 01305 203107  
**Bim Adesanya** : 01235 435066  
**Lynn Leniewski** : 01235 436892  
**Annabel Halfhead** : 01235 435281  
**Kirsten Johnson** : 01847 806387

### Copy Deadlines

Issue 89 May 2007  
Issue 90 June 2007  
Issue 91 Summer 2007

**2nd April 2007**  
**8th May 2007**  
**11th June 2007**



## Out and About

### Latest trailer for club

Pentland Canoe Club has a new trailer for the transportation of their canoes following the donation of a surplus Ifor Williams Box Trailer from UKAEA Dounreay.

Simon Copsey and Ken Nicol from Pentland Canoe Club receiving the trailer from UKAEA's John Whitfield



### Pentland challenge trophy



Caithness chairman and UKAEA Dounreay's Matthew Heenan presenting the trophy to Orkney Captain Duncan Clarke

UKAEA Dounreay sponsored the Pentland Challenge Cricket matches between Caithness and Orkney. UKAEA's donation covered insurance costs for the last year's match and the forthcoming matches this year. The 2006 match was competed for vigorously and resulted in a narrow win for Orkney in Caithness with a slightly more comfortable win for Caithness in Orkney, with Orkney retaining the trophy on the basis of a drawn series.

### Cumbria Community Foundation



Fee Wilson, Communications Manager Windscale; Ann Lohan, Cumbria Community Foundation; Claire Tandy, Communications Officer Windscale

UKAEA received certification of its Corporate Membership of the Cumbria Community Foundation at the Foundations headquarters in Dovenby Hall recently.

The purpose of the Foundation is to improve the quality of life for people experiencing disadvantage in Cumbria by:

- Making grants to local charities
- Promoting charitable giving by organisations and individuals
- Managing grant-making funds on behalf of individuals and organisations

Through the Windscale Head of Site Community Fund, which UKAEA manages on behalf of the NDA, a contribution to a grant-making fund has been made. The fund will be managed by the Cumbria Community Foundation and allows participation in a number of major projects within the community, which smaller fundholders would not usually become involved in.

### Caithness United



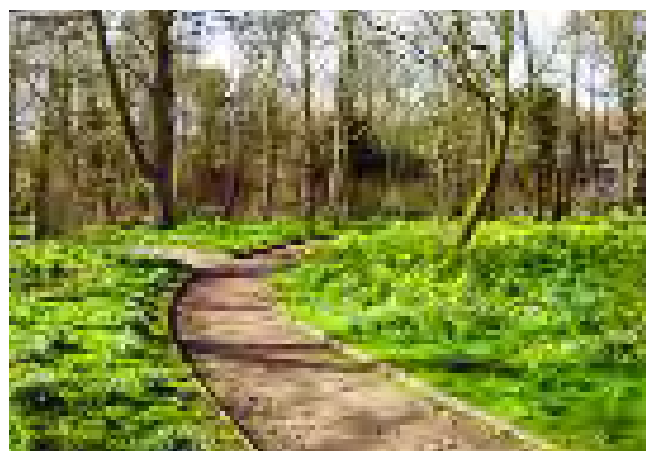
Alan Turner, Caithness United's Chairman, receiving the equipment from Dounreay's Gemma Macdonald at a recent training session at Naver Park, Thurso

UKAEA Dounreay, on behalf of the Nuclear Decommissioning Authority, has donated new training equipment to Caithness United FC. Caithness United is a county-based club which integrates the youth from the county. Currently two teams are run, under 13s and under 15s, training in Thurso in the winter and Wick in the summer.

### Betjeman Millennium Park

UKAEA Harwell, on behalf of the NDA recently gave a donation towards the upkeep of the Betjeman Millennium Park in Wantage. Owned by the Letcombe Brook (Wantage) Charitable Trust, the Park provides space for activities for the local community, such as field studies by the schools, art displays and open air music performances. The Park is maintained entirely by voluntary effort.

Trustee Liz Wilson has written to thank UKAEA for its support.



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