Dear [Name],

RE: NUGENERATION LTD
SITE INVESTIGATIONS WORKS – NON-INTRUSIVE SURVEYS

NuGen are hoping to commence work with the non-intrusive surveys on the option land during August/September 2012. These will be carried out on the surface of the land only and will not involve drilling any boreholes or similar works.

There will be two parts to the survey. Firstly, there will be 30 measurements taken on a random triangular grid to set the Investigation Levels (baseline readings) for the main survey. Following analysis of the readings, small samples of soil will then be taken from the same locations. The quantities of material taken will be absolutely minimal, similar to a trowel-sized sample used for soil analysis for pH, N, P & K.

The main survey will then be undertaken using a combination of a four-wheel drive low ground pressure “Mule” vehicle (similar to a golf buggy) and further on foot readings, dependent on the cropping and topography of the fields. In order for us to determine the most appropriate programme for the work, and the best time for accessing your land, we would welcome an opportunity to meet with you within the near future to discuss your individual requirements.

The main survey involves using a 10 metre grid and will take approximately 10 weeks in total to complete the whole of the ‘option’ area. To some extent, we can be flexible regarding times to undertake the work during this period. It will be possible to complete the survey with livestock in the fields, and given the areas involved, we anticipate being able to avoid certain enclosures until crops have been harvested. It may also be possible to utilise existing tramlines within standing crops, should this prove adequate.

Given the type of machinery to be used, we do not anticipate any discernible crop damage and from a logistics viewpoint, NuGen’s intention is to utilise the “Mule” mounted equipment wherever possible, but with the man-portable option being available when necessary.

Copy

549211r
Date: 18th July 2012
Your Ref: 
Our Ref: AW/SEC/WH6017.03

We will contact you over the next few days to arrange appointments to provide you with a full briefing on this initial stage of the site investigation works, but if the matter requires any further discussion or clarification, please do not hesitate to contact the office.

Kind regards.

Yours sincerely

ANDREW WILLIAMSON
Director
On behalf of GVA Dixon Webb
Agents for and on behalf of NuGeneration Limited
Dear Sir/Madam

TEMPORARY SITE INVESTIGATION AND CHARACTERISATION WORKS INCLUDING THE DRILLING OF BOREHOLES, ASSOCIATED COMPOUND AREAS, INSTALLATION OF MONITORING EQUIPMENT AND OTHER ASSOCIATED WORKS LAND TO NORTH AND WEST OF SELLAFIELD, SEASCAL

Thank you for referring the above information regarding condition 9. We have the following comment to make on the submitted information:

The preliminary risk assessment is acceptable and ensures the investigatory works will not cause water pollution, detriment to land quality or derogation of groundwater quality.

Sellafield tarn (in parcel B plot) which was infilled, is not affected by the investigation and the farmland and farms are not perceived to give rise to significant contamination.

Pollution prevention and mitigation measures for drilling are acceptable.

Yours faithfully

Amy Heys
Planning Liaison Technical Specialist

Direct dial 01768 215716
Direct fax 01768 865606
Direct e-mail penrith.planning@environment-agency.gov.uk

Environment Agency
Ghyll Mount (Gillian Way) Penrith 40 Business Park, Penrith, Cumbria, CA11 9BP.
Customer services line: 03708 506 506
www.environment-agency.gov.uk

End
23 December 2011

Dear Sir / Madam,

Site Investigation Works, Land to the North and West of Sellafield
Application for the Approval of Details Reserved by Conditions
Planning Permission Reference : 4/11/2432/0F1

We act on behalf of NuGeneration Limited and have been instructed to submit an application for approval of details reserved by conditions as part of the planning permission granted on 1st November 2011 reference (4/11/2432/0F1) for temporary site investigation and characterisation works on land to the north and west of Sellafield.

The permission approved is described as follows.

"Temporary site investigation and characterisation works including the drilling of boreholes, associated compound areas, installation of monitoring equipment and other associated works"

Accordingly, please find enclosed an application to discharge the following condition:

- Condition 9 – Preliminary Risk Assessment.

The information submitted to discharge the conditions is contained in the report titled:

- NuGen Site Characterisation Preliminary Risk Assessment NG-000-092.

The application fee (£85) is enclosed with this letter.

Should you have any questions, please do not hesitate to contact me. We look forward to receiving confirmation of receipt of this application at your earliest convenience.
Yours faithfully,

[Signature]

Matt Verlander
Associate
Copeland Borough Council
Development Services, The Copeland Centre
Catherine Street, Whitehaven, Cumbria CA28 7SJ
Telephone: 01946 598418/21
Fax: 01946 598306
Website: www.copeland.gov.uk

Application for approval of details reserved by condition.
Town and Country Planning Act 1990
Planning (Listed Buildings and Conservation Areas) Act 1990

Publication of applications on planning authority websites.
Please note that the information provided on this application form and in supporting documents may be published on the Authority's website.
If you require any further clarification, please contact the Authority's planning department.

<table>
<thead>
<tr>
<th>1. Applicant Name, Address and Contact Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Title:</strong> Mr</td>
</tr>
<tr>
<td><strong>Company name:</strong> NuGeneration Ltd</td>
</tr>
<tr>
<td><strong>Street address:</strong> Unit 16</td>
</tr>
<tr>
<td><strong>County:</strong> Cumbria</td>
</tr>
<tr>
<td><strong>Postcode:</strong> CA24 3JZ</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Country Code</strong></th>
<th><strong>National Number</strong></th>
<th><strong>Extension Number</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Telephone number:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mobile number:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fax number:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Email address:</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Agent Name, Address and Contact Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Title:</strong> Mr</td>
</tr>
<tr>
<td><strong>Company name:</strong> Arup</td>
</tr>
<tr>
<td><strong>Street address:</strong> Central Square</td>
</tr>
<tr>
<td><strong>Country:</strong> United Kingdom</td>
</tr>
<tr>
<td><strong>Postcode:</strong> NE1 3PL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Country Code</strong></th>
<th><strong>National Number</strong></th>
<th><strong>Extension Number</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Telephone number:</strong> 0191 2616080</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mobile number:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fax number:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Email address:</strong> <a href="mailto:matt.verlander@arp.com">matt.verlander@arp.com</a></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Application Reference Number: 41124320E1
Date Received: 3 JAN 2012
RECEIVED
3. Site Address Details

<table>
<thead>
<tr>
<th>Full postal address of the site (including full postcode where available)</th>
</tr>
</thead>
<tbody>
<tr>
<td>House:</td>
</tr>
<tr>
<td>House name:</td>
</tr>
<tr>
<td>Street address:</td>
</tr>
<tr>
<td>Town/City:</td>
</tr>
<tr>
<td>County:</td>
</tr>
<tr>
<td>Postcode:</td>
</tr>
</tbody>
</table>

Description of location or a grid reference
(must be completed if postcode is not known):

<table>
<thead>
<tr>
<th>Easting:</th>
<th>302000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northing:</td>
<td>905300</td>
</tr>
</tbody>
</table>

4. Pre-application Advice

Has assistance or prior advice been sought from the local authority about this application? [ ] Yes  [ ] No

If Yes, please complete the following information about the advice you were given (this will help the authority to deal with this application more efficiently):

<table>
<thead>
<tr>
<th>Officer name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title: Mr.</td>
</tr>
<tr>
<td>First name:</td>
</tr>
<tr>
<td>Surname:</td>
</tr>
</tbody>
</table>

Reference:

Date (DO/MM/YYYY): 09/11/2011 (Must be pre-application submission)

Details of the pre-application advice received:

To discuss the form and content of the required submission for the application.

5. Description of Proposal

Please provide a description of the approved development as shown on the decision letter:

Temporary site investigation and characterisation works including the drilling of boreholes; associated compound areas; installation of monitoring equipment and other associated works.

Application reference number: 4/11/2432/0F1  Date of decision: 01/11/2011

Please state the condition number(s) to which this application relates:

<table>
<thead>
<tr>
<th>Condition number(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Condition 9: Preliminary Risk Assessment</td>
</tr>
</tbody>
</table>

Has the development already started?  [ ] Yes  [ ] No

6. Discharge of Condition(s)

Please provide a full description and/or list of the materials/details that are being submitted for approval:

NuGen Site Characterisation Preliminary Risk Assessment NG-000-092

7. Part Discharge of Condition(s)

Are you seeking to discharge only part of a condition? [ ] Yes  [ ] No

8. Site Visit

Can the site be seen from a public road, public footpath, bridleway or other public land?  [ ] Yes  [ ] No

If the planning authority needs to make an appointment to carry out a site visit, whom should they contact? (Please select only one)

[ ] The agent  [ ] The applicant  [ ] Other person

9. Declaration

I/we hereby apply for planning permission/consent as described in this form and the accompanying plans/drawings and additional information.

Date: 23/12/2011
Ms R Carrol  
Copeland Borough Council  
The Copeland Centre  
Catherine Street  
Whitehaven  
Cumbria  
CA28 7SJ  

Our ref: NO/2011/102939/01-L01  
Your ref: 4/11/2432/0F1  
Date: 07 October 2011

Dear Ms Carrol

TEMPORARY SITE INVESTIGATION AND CHARACTERISATION WORKS  
INCLUDING THE DRILLING OF BOREHOLES, ASSOCIATED COMPOUND  
AREAS, INSTALLATION OF MONITORING EQUIPMENT AND OTHER  
ASSOCIATED WORKS  
LAND TO NORTH AND WEST OF SELLAFIELD, SEASCALE

Thank you for consulting us on the above application which we received on the 14  
September 2011.

We have considered the above proposal and wish to comment as follows:

Environment Agency position

We consider that planning permission should only be granted to the proposed  
development as submitted if the following planning condition is imposed as set out  
below.

Condition

Prior to the commencement of development approved by this planning permission  
(or such other date or stage in development as may be agreed in writing with the  
Local Planning Authority), the following components of a scheme to deal with the  
risks associated with potential contamination of the site shall each be submitted to  
and approved, in writing, by the local planning authority:

A preliminary risk assessment which has identified:

- all previous uses
- potential contaminants associated with those uses
- a conceptual model of the site indicating sources, pathways and receptors
- potentially unacceptable risks arising from contamination at the site.

Environment Agency  
Ghyll Mount (Gillian Way) Penrith 40 Business Park, Penrith, Cumbria, CA11 9BP.
Should the desk study identify potential areas of contamination, no drilling should take place in these areas. Drilling should be avoided in known areas of contamination.

A contaminated land ground investigation specific to identified sources will be required before development in these areas as per CLR11

Reason

To deal with the risks associated with potential contamination of the site and to protect the water environment.

INFORMATIVES

The above proposal does not appear to be for the abstraction of water however, if it is intended to abstract more than 20 cubic metres of water in any day from any of the boreholes, in particular the 8 proposed pumping wells, this will attract the requirement of an abstraction licence.

In consequence or requiring an abstraction licence, the applicant will first need to obtain a formal Consent to Drill and/or Test Pump under Section 32 of the Water Resources Act 1991.

If this is the case then early application is advised to ensure that the appropriate consent is obtained before work is due to start on site.

It will need to be ensured that any boreholes not retained for monitoring purposes are abandoned, backfilled and capped in accordance with published guidance. The boreholes must be drilled and decommissioned in such a way as to prevent the transfer of fluids between different geological formations, and to prevent uncontrolled discharge of groundwater to surface.

It must be ensured that the boreholes do not act as a pathway to allow the migration of any hazardous substances or non hazardous pollutants.

Yours faithfully

Miss Jilly Dixon
Planning Liaison Officer

Direct dial: 01768 215789
E-mail: penrith.planning@environment-agency.gov.uk

cc ARUP
Copeland Borough Council
PO Box 19, The Council Offices Catherine Street
Whitehaven, CA28 7NY

Dear Sir/Madam,

Location: Land to the North & Sellafield Seascale
Proposal: Temporary Site Investigation & characterisation Works, Drilling Bore Holes, Compound, Monitoring

Thank you for your planning consultation of 12/09/2011

This response is based on the details submitted on the planning application form; any changes to the planning application will invalidate this response.

I will have no objection to the proposal provided that the following conditions are met:

I have no objection to the proposed development. However, please be aware of our 110mm mains in the vicinity. Once more detail is known, please note that we have a 5m easement corridor along the lengths of our mains. If any works are to be within the easements, please liaise with us as soon as possible for permission.

A separate metered supply to each unit will be required at the applicant’s expense and all internal pipework must comply with current water supply (water fittings) regulations 1999.

Should this planning application be approved, the applicant should contact our Service Enquiries on 0845 7462200 regarding connection to the water mains/public sewers. United Utilities encourages the use of water efficient designs and development wherever this is possible. The most up to date advice for water efficiency and water efficiency products can be found at Water wise who have recently published a best practice guide on water efficiency for new developments. We would encourage utilisation of the following water efficiency activities:

Installing the latest water efficient products, such as a 4.5l flush toilet instead of the 6l type. Minimise run lengths of hot and cold water pipes from storage to tap/shower areas. This minimises the amount of waste during the time the water goes from cold to hot. Utilising drought resistant varieties of trees, plants and grasses when landscaping.
Install water efficient appliances such as dishwashers, washing machines.

United Utilities offer a fully supported mapping service at a modest cost for our water mains and sewerage assets. This is a service, which is constantly updated by our Property Searches Team (Tel No: 0870 7510101) and I recommend that the applicant give early consideration in project design as it is better value than traditional methods of data gathering. It is, however, the applicant's responsibility to demonstrate the exact relationship on site between any assets that may cross the site and any proposed development.

Please note United Utilities will become responsible for all Private Sewers from October 1st 2011. We will take ownership of an additional 30,000km of sewers which may not currently be shown on our statutory sewer map.

Yours Faithfully

Daniel McDermott
Asset Protection
United Utilities
Dear Rachel Carrol

PLANNING APPLICATION REF: 4/11/2432/0F1

DEVELOPMENT IN SAFEGUARDING ZONE OF SELLAFIELD

DESCRIPTION: Temporary site investigation & characterisation works including the drilling of boreholes, associated compound areas, installation of monitoring equipment & other associated works

There is no objection on nuclear safety grounds to this development; this decision is made without prejudice to the interests of other Directorates or Divisions of the Health and Safety Executive.

It will be appreciated if you would indicate, in due course, whether or not you have approved this application. Please address your reply to myself at the above address.

Yours faithfully

[Signature]

David Catty
Strategy Siting Business Support
Dear Rachel Carrol

PLANNING APPLICATION REF: 4/11/2432/OF1

DEVELOPMENT IN SAFEGUARDING ZONE OF SELLAFIELD

DESCRIPTION: Temporary site investigation & characterisation works including the drilling of boreholes, associated compound areas, installation of monitoring equipment & other associated works

There is no objection on nuclear safety grounds to this development; this decision is made without prejudice to the interests of other Directorates or Divisions of the Health and Safety Executive.

It will be appreciated if you would indicate, in due course, whether or not you have approved this application. Please address your reply to myself at the above address.

Yours faithfully

[Signature]

David Catty
Strategy Siting Business Support
Date: 28th September 2011
Your reference: 4/11/2432
Our reference: 0251/0522/JM/LB

Copeland Borough Council
The Copeland Centre
Catherine Street
Whitehaven
Cumbria
CA28 7SJ

FAO RACHEL CARROL

Dear Ms Carrol

CONSULTATIONS WITH PLANNING AUTHORITIES
ROAD NO C4013
PROPOSED TEMPORARY SITE INVESTIGATION INC BOREHOLES, COMPOUND ETC
LAND TO NORTH & WEST OF SELLAFIELD SEASCALE
FOR NUGENERATION LTD

I refer to the above consultation received on 23/09/2011 and would inform you that there are no objections to the proposal from a highway point of view, subject to the following recommended conditions being included in any Notice of Consent which may be issued:

1. The public highway shall be kept clean of mud and debris from the fields at all time.

The Contractor should contact Mr Kevin Thompson on telephone number 01946 506020 to agree temporary signage and access arrangements onto the public highway.

Yours sincerely

James Moultrie
Development Control Engineer
Middlebank
BECKERMET
Cumbria
CA21 2XP

Tel; 01946 841 421

Tony Pomfret
Development Control Manager
Copeland Borough Council
Catherine Street
Whitehaven
Cumbria
CA28 7SJ

27 September 2011

Dear Mr Pomfret

4/11/2432/0F1; objection to planning application

I wish to object to the planning application for the drilling of boreholes in the proposed Nuclear construction site adjacent to Church Moss SSSI, Beckermet. This is on the grounds of pollution of watercourses and groundwater springs which will inevitably occur if any construction activities are permitted within the watershed draining into Church Moss. No effective engineering countermeasures will prevent such pollution. Pollution, with fine silts, cement, oils or chemicals for example, may affect not only the wildlife in Church Moss SSSI, but also the River system into which it drains [which is protected by international SAC conservation status].

I also wish to object on the grounds of inadequate transport infrastructure for the Sellafield site (even without the proposed construction activities,) and the local roads around Beckermet [already used by commuter and construction traffic as a ‘rat run’] which will be further affected if this proposal is permitted.

Environmental Damage

The R Ehen and its flood plain are an important habitat for many species. The proposed Sellafield site forms part of the catchment for the River and will endanger this important habitat. The upper stretches of the River are protected as of international importance [SAC], and the lower reaches were borderline in the assessments carried out by Natural England. However any pollution of the lower stretches will affect the migratory species of interest [Atlantic Salmon] and will also affect the breeding cycle of the Freshwater Mussel. Natural England’s advice to government was that “the lower reaches of the river [Ehen] are … adjacent to the site. Atlantic
Salmon...as a migratory species ... impacts which occur outside the designated [SAC] site boundary are also subject to the Habitat Regulations.” [ Natural England response to Appraisal of Sustainability and Habitat Regulations Assessment Reports for sites nominated for new nuclear power stations. (2009) ]

The river Ehen is an important Salmon and Trout fishery, and is currently unpolluted by industrial outfalls. The river several times per year breaks its banks and floods onto the flood plain to the full extent shown in blue in fig D1.1. Industrial pollution from construction or operations will not only affect river fish but also the environmentally sensitive wetland [the “Bog Holes” / “Boggles”] which provides feeding and nesting ground for wildfowl, hosts Natterjack Toad colonies, and narrowly missed being classified as an SSSI. The upper reaches of the R Ehen are given SSSI and SAC status upstream of the confluence with the Keele on account of freshwater mussel breeding grounds [Margaritifera margaritifera Annex II, V].

Although previously not reported in the River Ehen, River Lamprey [Lampetra fluviatilis] are being found in significant numbers in an ongoing survey [private conversation on 25 April 2009 with Environment Agency officials operating the fish trap]. This species is especially sensitive to pollution from industrial activity and its freshwater habitat is declining nationally due to pollution and construction of barriers. Elsewhere in the UK it is being protected by establishing Special Areas of Conservation. [Joint Nature Conservation Committee. 2007. Second Report by the UK under Article 17 on the implementation of the Habitats Directive from January 2001 to December 2006. Peterborough: JNCC.].

However SAC status is not sufficient to protect vulnerable species. As any experienced construction manager or operations manager will confirm, despite Environmental Impact Statements and Engineered Safeguards, if an industrial site is permitted near to a sensitive watercourse pollution will occur.

For example, despite SAC status and a comprehensive Environmental Impact Statement, the River Teith SAC [cited for River Lamprey] has been polluted by Wind Farm construction [ref ‘Environmental Issues at the Braes of Doune Wind Farm’ J Phillips August 2006; ‘Effects of wind farm construction on concentrations and fluxes of dissolved organic carbon and suspended sediment from peat catchments at Braes of Doune’, I. Grieve and D. Gilvear, University of Stirling, April 2008]

The proposed Sellafield site is worryingly close to the River Ehen flood zone. It will be a great challenge for NuGen to construct and operate their reactor in this site without polluting this river with cement, oils or construction / operating chemicals, or even silt from run-off water from roadways, whatever engineering counter measures or regulatory oversight are promised. The Sellafield site has on multiple occasions [1990,1991,1996,1997,...etc.] failed to prevent pollution of the R Calder, and been repeatedly prosecuted by the Environment Agency, (for example a 375 gallon leak of caustic soda in 1997
killing 15000 fish, despite modern engineered safeguards and an intense regulatory regime).

However many engineered safeguards are built into the design, pollution of nearby watercourses will inevitably occur by routes not considered during desk-based hazard analysis. As Freshwater Mussel fry spend some of their life-cycle attached to Salmon gills, construction at Sellafield will impact adversely the species given SAC and SSSI protection further upstream. Such pollution will also affect the newly reported River Lamprey. Natural England's advice is that where migratory species are involved “impacts which occur outside the designated [SAC] site boundary are also subject to the Habitat Regulations”

The R Ehen flood plain hosts many species of conservation interest including colonies of Natterjack Toads, Newts, Barn Owls, Curlew, Lapwing, Snipe, Curlew, Whooper Swans etc. [over half a dozen species on the RSPB Red List and a dozen on the Amber List]. River pollution would affect all these species of interest especially when the river is in flood [which it is several times each year].

NuGen has no track record of construction activities in the UK. However no doubt it will employ many ex-BNFL people whose track record includes many river pollution incidents such as those cited above which were reported and prosecuted, and many other less widely reported incidents.

For the reasons cited above no construction activities should be permitted within the water catchment area of the R Ehen, and especially not that part of the site area identified by NuGen containing springs which will naturally drain into the Church Moss SSSI and thence to the R Ehen flood plain affecting many of the protected species including those cited in the R Ehen SAC.

Infrastructure

The West Coast is not well served by road or rail. The A595 to the north connects with the A66 before joining the M6 some 50 miles away. Roads are mostly single carriageway and travel through extensive built up areas with speed restrictions. Congestion frequently occurs with the present low level of industrial activity [as was noted by the London based members of the DECC team attending consultations]. To the south the connection is via the de-trunked A595 A590 and A591. This road is narrow single carriageway with many twisted sections and is unsuitable for heavy traffic. It nevertheless remains the main connection with the M6 for southbound traffic. Vulnerable stretches include the Duddon Bridge [which is single track controlled by traffic lights], Calder Bridge and the road between Calderbridge and Gosforth [which if it is blocked by accident or for repair requires a detour of 120 miles]. Accidents requiring police investigation can close this road for many hours with no practicable alternative routes. Timescales for planning and financing
road improvements are notoriously long such that the public can have no confidence that infrastructure reinforcement will be in place before construction commences in 2015; major road improvement projects take a minimum of 10 years to deliver so the necessary road system reinforcement will not be in place till 6 years after they are needed.

It is very fortunate that the recent heavy rainfall [November 2009], which damaged and demolished bridges in the Derwent catchment did not fall in the catchment of the Calder; the route south would have been blocked for 6 months as is the case in Workington. The rainfall was described as an exceptional '1 in 1000 year event', although the Whitehaven News managed to find in their archives pictures of the centre of Cockermouth flooded to similar levels only 70 years ago so perhaps '1 in 50 years' would be a better frequency estimate.

Before any construction activities are permitted these long standing transport problems must be addressed.

The roads around Beckermet are totally unsuitable for construction traffic, and especially the C road and the Public Footpath leading to Church Moss. Alternative access routes, for example via Sellafield Road and Broad Lonning, are equally unsuitable.

Access to the proposed borehole construction site must be restricted so that the inadequate roads around Beckermet are not used. The existing problems of construction and commuter traffic on rat runs through Beckermet must be addressed.

I trust that the planning committee will give my comments thorough consideration and will refuse permission for the proposed preliminary construction activities, unless

- the necessary road improvements will be implemented before major construction work commences, and
- the construction site is constrained to eliminate the risk of environmental pollution of valuable habitats.

Yours sincerely

Keith E H Woolley
Date: 23 September 2011
Your Ref:
Our Ref: JNP/S1524

Mr Tony Pomfret
Development Control Manager
Copeland Borough Council
The Copeland Centre
Catherine Street
Whitehaven
Cumbria CA28 7SJ

Dear Mr Pomfret

Our records indicate that the following application may have implications on the historic environment and I would be grateful if you could send me details (application form, location plan, & block plan):

4/11/2432 land NW of Sellafield

Many thanks for your assistance.

Yours sincerely

Jeremy Parsons
Historic Environment Officer

Email: jeremy.parsons@cumbriacc.gov.uk
Dear Rachel Carroll

Planning Application Reference: 4/11/2432/0F1

Proposal: Temporary site investigation & characterisation works including the drilling of boreholes, associated compound areas, installation of monitoring equipment & other associated works.

The proposed development is within the area covered by the Site Emergency Plan, and it will therefore be necessary to consider whether or not the development can be satisfactorily incorporated into the Emergency Plan.

Therefore, I will let you have our observations as soon as our considerations, which will involve consultations with other organisations, have been completed. Because of this it is unlikely that a reply will be forthcoming within the next 28 days as specified in the DoE Code of Practice.

If you have any questions regarding this letter please contact myself at the above number.

Yours faithfully,

[Signature]

David Catty
Siting Strategy Business Support
Application for Planning Permission.
Town and Country Planning Act 1990

Publication of applications on planning authority websites.
Please note that the information provided on this application form and in supporting documents may be published on the Authority's website. If you require any further clarification, please contact the Authority's planning department.

1. Applicant Name, Address and Contact Details

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr</th>
<th>First name:</th>
<th>I/o Agent</th>
<th>Surname:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company name:</td>
<td>NuGeneration Ltd</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Street address:</td>
<td>Unit 16 Ingwell Hall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Westlakes Science &amp; Technology Park</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Moor Row</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Town/City:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>County:</td>
<td></td>
<td></td>
<td></td>
<td>Cumbria</td>
</tr>
<tr>
<td>Country:</td>
<td></td>
<td></td>
<td></td>
<td>England</td>
</tr>
<tr>
<td>Postcode:</td>
<td>CA24 3JZ</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Are you an agent acting on behalf of the applicant? (Y) Yes (N) No

2. Agent Name, Address and Contact Details

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr</th>
<th>First name:</th>
<th>Matt</th>
<th>Surname:</th>
<th>Verlander</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company name:</td>
<td>Arup</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Street address:</td>
<td>Central Square</td>
<td></td>
<td></td>
<td></td>
<td>Forth Street</td>
</tr>
<tr>
<td></td>
<td>Newcastle upon Tyne</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Town/City:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Tyne and Wear</td>
</tr>
<tr>
<td>County:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>England</td>
</tr>
<tr>
<td>Postcode:</td>
<td>NE1 3PL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Telephone number: 0191 261 6080
Mobile number: |
Fax number: |
Email address: matt.verlander@arup.com

3. Description of the Proposal

Please describe the proposed development including any change of use:
Temporary site investigation and characterisation works including the drilling of boreholes; associated compound areas; installation of monitoring equipment and other associated works.

Has the building, work or change of use already started? (Y) Yes (N) No
4. Site Address Details

Full postal address of the site (including full postcode where available)

House:

House name:

Street address: Land to the north and west of Sellafield

Town/City:

County: Cumbria

Postcode:

Description of location or a grid reference
(must be completed if postcode is not known):

Easting: 302000

Northing: 505300

Description:

08 SEP 2011

The site is located to the north, west and northwest of the existing Sellafield Nuclear Licensed Site, and comprises approximately 190 hectares (ha) of farm land. The approximate centre of the site is located at OS grid reference NY 020 053. The site is predominantly improved pasture fields and arable fields. Field boundaries are mainly Hawthorn hedgerows or fence-lines and occasional collapsed dry stone walls or embankments. The main access road to the Sellafield plant bisects the site and there are several large car parks in the north east. There are four farm steadings on site, three clustered in the south and one in the north. The site is shown in Drawing No. 001 P1

5. Pre-application Advice

Has assistance or prior advice been sought from the local authority about this application? ☐ Yes ☐ No

If Yes, please complete the following information about the advice you were given (this will help the authority to deal with this application more efficiently):

Officer name:

Title: Mr

First name: Tony

Surname: Pontfret

Reference:

Date (DD/MM/YYYY): 18/08/2011 (Must be pre-application submission)

Details of the pre-application advice received:

To discuss the nature of the site investigation works and to clarify the national and local requirements to be addressed in the planning application.

6. Pedestrian and Vehicle Access, Roads and Rights of Way

Is a new or altered vehicle access proposed to or from the public highway? ☐ Yes ☐ No

Is a new or altered pedestrian access proposed to or from the public highway? ☐ Yes ☐ No

Are there any new public roads to be provided within the site? ☐ Yes ☐ No

Are there any new public rights of way to be provided within or adjacent to the site? ☐ Yes ☐ No

Do the proposals require any diversions/extinguishments and/or creation of rights of way? ☐ Yes ☐ No

7. Waste Storage and Collection

Do the plans incorporate areas to store and aid the collection of waste? ☐ Yes ☐ No

Have arrangements been made for the separate storage and collection of recyclable waste? ☐ Yes ☐ No

8. Authority Employee/Member

With respect to the Authority, I am:

(a) a member of staff
(b) an elected member
(c) related to a member of staff
(d) related to an elected member

Do any of these statements apply to you? ☐ Yes ☐ No

9. Materials

Please state what materials (including type, colour and name) are to be used externally (if applicable):

Boundary treatments - description:

Description of existing materials and finishes:

n/a

Description of proposed materials and finishes:

Temporary heras fencing (welded mesh) around each of the 150m deep investigation boreholes (x 3)
9. (Materials continued)
Vehicle access and hard standing - description:
Description of existing materials and finishes:
Agricultural land
Describe [ ] of proposed materials and finishes:
Gravel over a membrane (20m x 20m) for each of the 150m deep investigation boreholes (x 5) to be removed upon completion.
Are you supplying additional information on submitted plan(s)/drawing(s)/design and access statement? [ ] Yes [ ] No
If Yes, please state references for the plan(s)/drawing(s)/design and access statement:

Drawing Ref: 001 P1 - Site Location Plan

10. Vehicle Parking
Please provide information on the existing and proposed number of on-site parking spaces:

<table>
<thead>
<tr>
<th>Type of vehicle</th>
<th>Existing number of spaces</th>
<th>Total proposed (including spaces retained)</th>
<th>Difference in spaces</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cars</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Light goods vehicles/public carrier vehicles</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Motorcycles</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Disability spaces</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Cycle spaces</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other (e.g. Bus)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Short description of Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

11. Foul Sewage
Please state how foul sewage is to be disposed of:

Mains sewer [X] Package treatment plant [ ] Unknown [ ]
Septic tank [ ] Cess pit [ ]
Other [ ]

Are you proposing to connect to the existing drainage system? [ ] Yes [ ] No [ ] Unknown

12. Assessment of Flood Risk
Is the site within an area at risk of flooding? (Refer to the Environment Agency's Flood Map showing flood zones 2 and 3 and consult Environment Agency standing advice and your local planning authority requirements for information as necessary.) [ ] Yes [ ] No
If Yes, you will need to submit an appropriate flood risk assessment to consider the risk to the proposed site.
Is your proposal within 20 metres of a watercourse (e.g. river, stream or beck)? [ ] Yes [ ] No
Will the proposal increase the flood risk elsewhere? [ ] Yes [ ] No
How will surface water be disposed of?
[ ] Sustainable drainage system
[ ] Main sewer
[ ] Pond/lake
[ ] Soakaway
[ ] Existing watercourse

13. Biodiversity and Geological Conservation
To assist in answering the following questions refer to the guidance notes for further information on when there is a reasonable likelihood that any important biodiversity or geological conservation features may be present or nearby and whether they are likely to be affected by your proposals.

Having referred to the guidance notes, is there a reasonable likelihood of the following being affected adversely or conserved and enhanced within the application site, OR on land adjacent to or near the application site:

a) Protected and priority species
[ ] Yes, on the development site
[ ] Yes, on land adjacent to or near the proposed development [ ] No

b) Designated sites, important habitats or other biodiversity features
[ ] Yes, on the development site
[ ] Yes, on land adjacent to or near the proposed development [ ] No

c) Features of geological conservation importance
[ ] Yes, on the development site
[ ] Yes, on land adjacent to or near the proposed development [ ] No
14. Existing Use
Please describe the current use of the site:
The site is predominantly improved pasture fields and arable fields. Field boundaries are mainly hawthorn hedgerows or fence-lines and occasional collapsed dry stone walls or embankments.

- Is the site currently vacant? ☐ Yes ☑ No
- Does the proposal involve any of the following?
  - Land which is known to be contaminated? ☐ Yes ☑ No
  - Land where contamination is suspected for all or part of the site? ☐ Yes ☑ No
  - A proposed use that would be particularly vulnerable to the presence of contamination? ☐ Yes ☑ No

15. Trees and Hedges
Are there trees or hedges on the proposed development site? ☐ Yes ☑ No

And/or: Are there trees or hedges on land adjacent to the proposed development site that could influence the development or might be important as part of the local landscape character? ☐ Yes ☑ No

If Yes to either or both of the above, you may need to provide a full Tree Survey, at the discretion of your local planning authority. If a Tree Survey is required, this and the accompanying plan should be submitted alongside your application. Your local planning authority should make clear on its website what the survey should contain, in accordance with the current "BS5837: Trees in relation to construction - Recommendations".

16. Trade Effluent
Does the proposal involve the need to dispose of trade effluents or waste? ☐ Yes ☑ No

17. Residential Units
Does your proposal include the gain or loss of residential units? ☐ Yes ☑ No

18. All Types of Development: Non-residential Floorpace
Does your proposal involve the loss, gain or change of use of non-residential floorpace? ☐ Yes ☑ No

19. Employment
If known, please complete the following information regarding employees:

<table>
<thead>
<tr>
<th></th>
<th>Full-time</th>
<th>Part-time</th>
<th>Equivalent number of full-time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing employees</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Proposed employees</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

20. Hours of Opening
If known, please state the hours of opening for each non-residential use proposed:

<table>
<thead>
<tr>
<th>Use</th>
<th>Monday to Friday</th>
<th>Saturday</th>
<th>Sunday and Bank Holidays</th>
<th>Not Known</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Start Time</td>
<td>End Time</td>
<td>Start Time</td>
<td>End Time</td>
</tr>
</tbody>
</table>

21. Site Area
What is the site area? 190.68 hectares

22. Industrial or Commercial Processes and Machinery
Please describe the activities and processes which would be carried out on the site and the end products including plant, ventilation or air conditioning. Please include the type of machinery which may be installed on site:

- N/A
- Is the proposal for a waste management development? ☐ Yes ☑ No

23. Hazardous Substances
Is any hazardous waste involved in the proposal? ☐ Yes ☑ No
24. Site Visit

Can the site be seen from a public road, public footpath, bridleway or other public land?

☐ Yes  ☐ No

If the planning authority needs to make an appointment to carry out a site visit, whom should they contact? (Please select only one)

☐ The applicant  ☐ Other person

25. Certificates (Certificate B)

Certificate of Ownership - Certificate B


I certify/The applicant certifies that I have/the applicant has given the requisite notice to everyone else (as listed below) who, on the day 21 days before the date of this application, was the owner (owner is a person with a freehold interest or leasehold interest with at least 7 years left to run) of any part of the land or building to which this application relates.

<table>
<thead>
<tr>
<th>Notice recipient</th>
<th>Date notice served</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: Nuclear Decommissioning Authority</td>
<td></td>
</tr>
<tr>
<td>Number:</td>
<td></td>
</tr>
<tr>
<td>Street: Her dus House</td>
<td></td>
</tr>
<tr>
<td>Locality: Westlakes Science &amp; Technology Park</td>
<td></td>
</tr>
<tr>
<td>Town: Moor Row</td>
<td></td>
</tr>
<tr>
<td>Postcode: CA24 3HU</td>
<td></td>
</tr>
<tr>
<td>Title: Mr</td>
<td></td>
</tr>
<tr>
<td>First name: Matt</td>
<td></td>
</tr>
<tr>
<td>Surname: Verlander</td>
<td></td>
</tr>
<tr>
<td>Person role: Agent</td>
<td></td>
</tr>
<tr>
<td>Declaration date: 07/09/2011</td>
<td></td>
</tr>
</tbody>
</table>

☐ Declaration made

25. Certificates (Agricultural Land Declaration)

Agricultural Land Declaration


A (A) None of the land to which the application relates is, or is part of an agricultural holding.

(B) I have/The applicant has given the requisite notice to every person other than myself/the applicant who, on the day 21 days before the date of this application, was a tenant of an agricultural holding on all or part of the land to which this application relates, as listed below:

If any part of the land is an agricultural holding, of which the applicant is the sole tenant, the applicant should complete part (B) of the form by writing 'sole tenant - not applicable' in the first column of the table below.
### 25. Certificates (Agricultural Land Declaration - continued)

<table>
<thead>
<tr>
<th>Name:</th>
<th>Notice recipient</th>
<th>Date notice served</th>
</tr>
</thead>
<tbody>
<tr>
<td>E &amp; B J Jenkinson</td>
<td></td>
<td>08 SEP 2011</td>
</tr>
<tr>
<td>Croft House Farm</td>
<td></td>
<td>07/09/2011</td>
</tr>
<tr>
<td>Locality: Beckermet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Town: Cumbria</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postcode: CA21 2XB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number:</td>
<td>Suffix:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name:</th>
<th>Notice recipient</th>
<th>Date notice served</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr and Mrs R L Jenkinson</td>
<td></td>
<td>07/09/2011</td>
</tr>
<tr>
<td>Mid Tarn Farm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locality: Sellafield Seascale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Town: Cumbria</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postcode: CA20 1DT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number:</td>
<td>Suffix:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name:</th>
<th>Notice recipient</th>
<th>Date notice served</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr and Mrs N Lewthwaite</td>
<td></td>
<td>07/09/2011</td>
</tr>
<tr>
<td>18</td>
<td>Beck Rise</td>
<td></td>
</tr>
<tr>
<td>Locality: Beckermet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Town: Cumbria</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postcode: CA21 2YN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number:</td>
<td>Suffix:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name:</th>
<th>Notice recipient</th>
<th>Date notice served</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr S Sherwen</td>
<td></td>
<td>07/09/2011</td>
</tr>
<tr>
<td>Petersburgh Farm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locality: Beckermet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Town: Cumbria</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postcode: CA21 2WX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number:</td>
<td>Suffix:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name:</th>
<th>Notice recipient</th>
<th>Date notice served</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs E Sherwen</td>
<td></td>
<td>07/09/2011</td>
</tr>
<tr>
<td>Greenmoorside Farm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locality: Sellafield Seascale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Town: Cumbria</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postcode: CA20 1DS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number:</td>
<td>Suffix:</td>
<td></td>
</tr>
</tbody>
</table>

**Title:** Mr  
**First Name:** Matt  
**Surname:** Verlander  
**Person role:** Agent  
**Declaration date:** 07/09/2011  
**Declaration Made**

---

### 26. Declaration

I/we hereby apply for planning permission/consent as described in this form and the accompanying plans/drawings and additional information.

**Date:** 07/09/2011
Tony Pomfret  
Copeland Borough Council  
The Copeland Centre  
Catherine Street  
Whitehaven,  
Cumbria  
CA28 7SJ  
7 September 2011

Dear Sir,

Site Investigation Works, Land to the North and West of Sellafield

Arup act as the lead planning consultant on behalf of NuGeneration Ltd and have been instructed to submit a planning application for the Site Investigation Works on land to the north and west of the existing Sellafield site.

Accordingly, please find enclosed a planning application comprising:

- Duly completed planning application forms
- Site Location Plan
- Indicative plan showing the location and extent of the proposed site investigation works (this will be sent on 8th September 2011 by post)
- Planning Statement
- Supporting document providing details of: Notified Landowner (Certificate B) and Notified Agricultural Tenants (Agricultural Land Declaration)

The planning application fee (£1690) is being sent by post.

Should you have any questions, please do not hesitate to contact me. We look forward to receiving confirmation for the validation of the planning application at your earliest convenience.

Yours faithfully,

Matt Verlander
Associate

Manuel Prieto (NuGen)  
Paul van den Hende (NuGen)  
Phil Davies (Tractebel)  
Ian Shrubsall (GL Hearn)  
James Lough (Arup)
Copeland Borough Council
Development Control
The Copeland
Catherine Street,
Whitehaven
Cumbria
CA28 7SJ

7 September 2011

Dear Sir,

Site Investigation Works, Land to the North and West of Sellafield

Arup act as the lead planning consultant on behalf of NuGeneration Ltd and have, via the Planning Portal, submitted a planning application for the Site Investigation Works on land to the north and west of the existing Sellafield site.

I am writing to enclose the planning application fee for the application. Accordingly please find enclosed a cheque for £1690. Please can you send a receipt for the cheque by return.

For your reference, the reference number for the application generated by the Planning Portal is 1613871.

Should you have any questions, please do not hesitate to contact me. We look forward to receiving confirmation for the validation of the planning application at your earliest convenience.

Yours faithfully,

Matt Verlander
Associate

cc: Manuel Prieto (NuGen)
Paul van den Hende (NuGen)
Phil Davies (Tractebel)
Ian Shrubsall (GL Hearn)
James Lough (Arup)