



PROJECT ASSESSMENT REPORT			
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<b>Project:</b>	Request for Agreement or Acknowledgement under arrangements made under LC22(1)		
<b>Site:</b>	Heysham 1 & Hartlepool		
<b>Title:</b>	NP/SC 7734 Paper of Principle - Installation of Insulation in Boiler Spine Annulus and Subsequent Reactor Operation		
<b>Licence Instrument No:</b> (if applicable)	552 & 591		
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**Document Acceptance and Approval for Issue / Publication**

Role	Name	Position	Signature	Date
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**Revision History**

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**Circulation (latest issue)**

<sup>1</sup> Acceptance of the PAR to allow release of LI

<sup>2</sup> Approval is for publication on ONR web-site, after redaction where relevant

Organisation	Name	Date
Office for Nuclear Regulation	[REDACTED]	

**Request for Agreement or Acknowledgement under arrangements made under  
LC22(1)**

**NP/SC 7734 Paper of Principle - Installation of Insulation in Boiler Spine  
Annulus and Subsequent Reactor Operation**

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## EXECUTIVE SUMMARY

Request for Agreement or Acknowledgement under arrangements made under LC22(1)

NP/SC 7734 Paper of Principle - Installation of Insulation in Boiler Spine Annulus and Subsequent Reactor Operation.

### Permission Requested

EDF Energy Nuclear Generation Limited (NGL) has written to the Office for Nuclear Regulation (ONR) to request agreement or acknowledgement regarding a paper of principle for installation of insulation in the boiler spine annulus at Heysham 1 and Hartlepool power stations and subsequent reactor operation. Under Licence Condition 22(1), modification or experiment on existing plant, the licensee is required to control any modification or experiment carried out on any part of the existing plant or processes which may affect safety.

ONR has acknowledged receipt of this document from the licensee (References 1 & 2). Following consideration of the safety significance of this submission, ONR does not intend to undertake further assessment.

### Background

The purpose of this Project Assessment Report is to record the ONR Civil Nuclear Reactor Programme (CNRP) operating reactors sub-programme board's decision not to assess a safety submission from NGL. This decision has been taken based upon a judgement of the safety significance of the licensee's submission and its relative priority compared to other safety significant issues receiving the attention of within the sub-programme.

### Assessment and inspection work carried out by ONR in consideration of this request

The ONR CNRP operating reactors sub-programme board has based its decision not to assess this NGL submission based upon the outcome of its LC22 prioritisation and management process and the following factors:

1. There are no significant unresolved nuclear safety issues.
2. There is no novelty/complexity for ONR or NGL.
3. ONR's confidence in NGL's arrangements for undertaking this project.
4. There are no significant reductions in safety margins.
5. There is no conventional safety risk in undertaking project.
6. There are no significant radiological risks in undertaking the project.

The paper of principle itself is designated as a Category 1 engineering change for which a Licence Instrument (LI) is required by the licensee's arrangements. However, it neither authorises nor provides station specific details of any work. All modification and implementation work will be carried out under reactor specific engineering change submissions. For this reason, the sub-programme board took the

decision to 'acknowledge' the paper of principle with permissioning controlled through the reactor specific cases.

### **Matters arising from ONR's work**

None.

### **Conclusions**

A standard acknowledgement LI should be issued to NGL based upon the outcome of the ONR CNRP operating reactors sub-programme board's review, see Reference 3.

### **Recommendation**

The CNRP operating reactors sub-programme board recommends the issue of a standard acknowledgement LI to EDF Energy Nuclear Generation Limited.

### **REFERENCES**

1. EDF NGL Letter: Hartlepool Power Station, Nuclear Site Licence 59, Request for Acknowledgement under Arrangements made under Derived Powers under Licence Condition LC22(1): EC355834 – Paper of Principle - NP/SC7734 – Installation of Insulation in Boiler Spine Annulus and Subsequent Reactor Operation dated 29 July 2015, Unique No NSL HRA 51076R (TRIM Ref 2015/286634)
2. EDF NGL Letter: Heysham 1 Power Station, Nuclear Site Licence 60, Request for Agreement or Acknowledgement under Arrangements made under Site Licence Condition LC22(1): EC356010 – Paper of Principle - NP/SC7734 – Installation of Insulation in Boiler Spine Annulus and Subsequent Reactor Operation dated 29 July 2015, Unique No NSL/HYA/50772(Y) (TRIM Ref 2015/289135)
3. CNRP Evaluation Check Sheet.(TRIM Ref 2015/273074)

## LIST OF ABBREVIATIONS

CNRP	Civil Nuclear Reactor Programme
LC	Licence Condition(s)
LI	Licence Instrument
NGL	EdF Energy Nuclear Generation Ltd
ONR	Office for Nuclear Regulation