



PROJECT ASSESSMENT REPORT			
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<b>Project:</b>	Request for Agreement or Acknowledgement under arrangements made under Licence Condition LC22(1)		
<b>Site:</b>	Heysham 2		
<b>Title:</b>	EC350440 - Paper of Principle - Neutron Flux Detector Programme.		
<b>Licence Instrument No:</b> (if applicable)	Acknowledgement 595		
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**Document Acceptance and Approval for Issue / Publication**

Role	Name	Position	Signature	Date
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Reviewer	[Redacted]	Principal Inspector		
Accepted by <sup>1</sup>	[Redacted]	Superintending Inspector		
Approval for publication <sup>2</sup>	[Redacted]	Superintending Inspector		

**Revision History**

Revision	Date	Author(s)	Reviewed By	Accepted By	Description of Change

<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

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## Heysham 2

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

**EC350440 - Paper of Principle - Neutron Flux Detector Programme.**

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## EXECUTIVE SUMMARY

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

EC350440 - Paper of Principle - Neutron Flux Detector Programme.

### Permission Requested

EDF Nuclear Generation Limited (EDF NGL) has written to ONR to request agreement or acknowledgement regarding the *EC350440 - Paper of Principle - Neutron Flux Detector Programme*. Under Licence Condition 22(1), 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 a letter and document (reference 1) from the licensee which relates to *EC350440 - Paper of Principle - Neutron Flux Detector Programme*.

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 (PAR) is to record ONR's decision not to assess a safety submission from EDF NGL. This decision was taken by the Civil Nuclear Reactor Programme (CNRP) based on judgement of the safety significance of the licensee's submission and its relative priority compared to other safety significance issues.

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

ONR CNRP has based its decision not to assess this EDF NGL submission based upon the outcome of its LC22 prioritisation and management process. ONR's decision is based on the following factors:

1. There are no significant unresolved nuclear safety issues.
2. There is no novelty/complexity for ONR or NGL.
3. ONR has confidence in NGL's arrangements for undertaking this project.
4. There are no significant reduction in safety margins.
5. A Licence Instrument is required by the licensee's arrangements.
6. There is no conventional safety risk in undertaking the project.
7. There are no significant radiological risks in undertaking the project.
8. A similar acknowledgment has already been issued for the same work at Torness.

The reasoning for this decision is supported by Reference 2.

### Matters arising from ONR's work

None.

### Conclusions

A standard acknowledgement Licence Instrument(LI) should be issued to EDF NGL.

### **Recommendation**

ONR recommends the issue of a standard acknowledgement LI to EDF NGL.

### **REFERENCES**

1. EDF NGL Letter: Heysham 2 Power station, Nuclear Site Licence 60, Request for Agreement or Acknowledgement under Arrangements made under Site Licence Condition LC22(1): EC350440 - Paper of Principle - Neutron Flux Detector Programme. (TRIM ref 2015/316118).
2. CNRP – Operating Reactors – Sub-programme Board – Notes from 25 August 2015. (TRIM 2015/321975).
3. Email from [REDACTED] to [REDACTED] detailing recommendations. (TRIM ref 2015/355745).

## LIST OF ABBREVIATIONS

CNRP	Civil Nuclear Reactor Programme
CNS	Civil Nuclear Security (ONR)
HOW2	(Office for Nuclear Regulation) Business Management System
LI	Licence Instrument
NGL	Edf Energy Nuclear Generation Ltd
ONR	Office for Nuclear Regulation (an agency of HSE)
PSA	Probabilistic Safety Assessment
PSR	Preliminary Safety Report
SAP	Safety Assessment Principle(s) (HSE)
SFAIRP	So far as is reasonably practicable
SSC	System, Structure and Component
TAG	(ONR) Technical Assessment Guide