



PROJECT ASSESSMENT REPORT			
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Project:	Request for Agreement or Acknowledgement under arrangements made under Licence Condition LC22(1)		
Site:	Hinkley Point B		
Title:	EC354620 - Paper of Principle - Neutron Flux Detector Programme.		
Licence Instrument No: (if applicable)	Acknowledgement 553		
Nuclear Site Licence No:	62C		
Licence Condition:	LC 22(1)		

Document Acceptance and Approval for Issue / Publication

Role	Name	Position	Signature	Date
Author	[Redacted]	C&I Specialist Inspector		6 th July 2016
Reviewer	[Redacted]	Principal Inspector		6 th July 2016
Accepted by ¹	[Redacted]	Superintending Inspector		
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Revision History

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

Circulation (latest issue)

¹ Acceptance of the PAR to allow release of LI

² Approval is for publication on ONR web-site, after redaction where relevant

Organisation	Name	Date
Office for Nuclear Regulation	[REDACTED]	

Hinkley Point B

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

EC354620 - Paper of Principle - Neutron Flux Detector Programme.

Project Assessment Report ONR-OFP-PAR-16-006
Revision 0
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EXECUTIVE REPORT

Request for Agreement or Acknowledgement under arrangements made under Licence Condition (LC) 22(1)

EC354620 - Paper of Principle - Neutron Flux Detector Programme.

Permission Requested

EDF Energy Nuclear Generation Limited (EDF NGL) has written to ONR to request agreement or acknowledgement regarding the *EC354620 - Paper of Principle - Neutron Flux Detector Programme*. Under LC 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^[R3] from the licensee which relates to *EC354620 - Paper of Principle - Neutron Flux Detector Programme*.

Following consideration of the safety significance of this submission, ONR does not intend to undertake further assessment of this Paper of Principle.

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 Operating Reactors Sub-Programme 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 Operational Reactors Sub-Programme 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 reductions in safety margins.
5. A Licence Instrument (LI) 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^[R1] and Heysham 2^[R2].

The reasoning for this decision is supported by an acknowledgment letter^[R4] stating that;

- The paper only sets out the strategy adopted. Stage submissions justify use of newly manufactured detectors as replacement to existing degraded detectors. The use of degraded detectors is justified via separate ECs.
- The licensee proposes Category 2 stage submissions. In the past these were classed as Category 1. Irrespective of their category ONR should assess the stage submissions as they justify/demonstrate fitness for purpose of the new detectors to fulfil their safety functions.

- The stage submissions should be assessed (and permissioned) by a control and instrumentation specialist inspector prior to the first of type of a detector being installed in an operational reactor.
- This decision to acknowledge has been approved by the Operating Reactors Sub-Programme board at a meeting held on 25 March 2016^[R5].

Matters arising from ONR's work

None.

Conclusions

A standard acknowledgement 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: Torness Power station, Nuclear Site Licence Sc.14, Request for Agreement or Acknowledgement under Arrangements made under Site Licence Condition LC22(1): EC353479 - Paper of Principle - Neutron Flux Detector Programme. (TRIM ref 2015/316118).
2. 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).
3. Paper of Principle NP/SC 7727 – Neutron Flux Detector Programme (reference NSL HPB 51346 R), dated 23rd November 2015 (TRIM 2015/453001).
4. Letter from [REDACTED] to [REDACTED] – Paper of Principle acknowledgement (TRIM 2016/91143).
5. Operating Reactors – Sub-programme Board – Notes from 25th March 2016. (TRIM 2016/186789).

LIST OF ABBREVIATIONS

EC	Engineering Change
HOW2	(Office for Nuclear Regulation) Business Management System
LI	Licence Instrument
NGL	Edf Energy Nuclear Generation Ltd
OFP	Operating Facilities Programme
ONR	Office for Nuclear Regulation (an agency of HSE)
PAR	Project Assessment Report