



PROJECT ASSESSMENT REPORT			
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Project:	Request for Review and Consideration under arrangements made under Licence Condition LC22(1)		
Site:	Dungeness B		
Title:	EC355233 - Paper of Principle - Neutron Flux Detector Programme.		
Licence Instrument No: (if applicable)	Review and consideration 552		
Nuclear Site Licence No:	61		
Licence Condition:	LC 22(1)		

Document Acceptance and Approval for Issue / Publication

Role	Name	Position	Signature	Date
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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]	

Dungeness B

**Request for Review and Consideration under arrangements made under Licence
Condition LC22(1)**

EC355233 - Paper of Principle - Neutron Flux Detector Programme.

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REPORT

Request for Review and Consideration under arrangements made under Licence Condition LC22(1) for Dungeness B;

EC355233 - Paper of Principle - Neutron Flux Detector Programme^[R6].

Permission Requested

EDF Energy Nuclear Generation Limited (EDF NGL) has written to ONR to request review and consideration regarding the *EC355233 - 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 previously acknowledged receipt of a letter and document^[R4 & R6] from the licensee which relates to *EC355233 - 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 Operating Reactors Programme based on judgement of the safety significance of the licensee's submission and its relative priority compared to other safety significant issues.

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

ONR has based its decision not to assess this EDF NGL submission based upon the outcome of its LC22 prioritisation and management process.

The reasoning for this decision is supported by;

- An acknowledgment has already been issued for the same work at Torness^[R1], Heysham 2^[R2] and Hinkley Point B^[R3].
- The Paper of Principle^[R4] 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 Cat 2 stage submissions for the implementation phase. In the past these were classed as Cat 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 C&I specialist inspector prior to being installed in operational reactors.
- This acknowledgement has been approved by the Operating Reactors Sub-Programme board at a meeting held on 25th March 2016^[R5] but issue has been delayed pending a letter of application from Dungeness B.

A Licence Instrument is required by the licensee's arrangements.

Matters arising from ONR's work

None.

Conclusions

A standard review and consideration Licence Instrument (LI) should be issued to EDF NGL.

Recommendation

ONR recommends the issue of a standard review and consideration 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 2015/85838).
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. EDF NGL Letter: Hinkley Point B Power station, Nuclear Site Licence 62C, Request for Agreement or Acknowledgement under Arrangements made under Site Licence Condition LC22(1): EC354620 - Paper of Principle - Neutron Flux Detector Programme. (TRIM ref 2015/453001).
4. Paper of Principle NP/SC 7727 – Neutron Flux Detector Programme (reference NSLDNB50928Y, dated 21st November 2016). (TRIM 2016/461701).
5. Operating Reactors – Sub-programme Board – Notes from 25th March 2016. (TRIM 2016/186789).
6. EDF NGL Letter: Dungeness B Power station, Nuclear Site Licence 61, Request for Review and Consider under Arrangements made under Site Licence Condition LC22(1): EC355233 - Paper of Principle - Neutron Flux Detector Programme. (TRIM ref 2016/461701).

LIST OF ABBREVIATIONS

OFP	Operating Facilities Programme
LC	Licence Condition
LI	Licence Instrument
NGL	EDF Energy Nuclear Generation Ltd
PAR	Project Assessment Report
ONR	Office for Nuclear Regulation