



| PROJECT ASSESSMENT REPORT                        |                                                                                         |                  |             |
|--------------------------------------------------|-----------------------------------------------------------------------------------------|------------------|-------------|
| <b>Unique Document ID and Revision No:</b>       | ONR-DNB-PAR-15-023<br>Revision 0                                                        | <b>TRIM Ref:</b> | 2015/459008 |
| <b>Project:</b>                                  | Request for Agreement or Acknowledgment under arrangements made under condition LC22(1) |                  |             |
| <b>Site:</b>                                     | Dungeness B                                                                             |                  |             |
| <b>Title:</b>                                    | NP/SC 7447: Modified Replacement of DC12a Neutron Flux Detectors                        |                  |             |
| <b>Licence Instrument No:</b><br>(if applicable) | Acknowledgment 549                                                                      |                  |             |
| <b>Nuclear Site Licence No:</b>                  | 61                                                                                      |                  |             |
| <b>Licence Condition:</b>                        | LC 22(1)                                                                                |                  |             |

**Document Acceptance and Approval for Issue / Publication**

| Role                                  | Name       | Position                   | Signature  | Date |
|---------------------------------------|------------|----------------------------|------------|------|
| Author                                | [Redacted] | Programme Delivery Support |            |      |
| Reviewer                              | [Redacted] | Principal / Inspector      |            |      |
| Accepted by <sup>1</sup>              | [Redacted] | Superintending Inspector   | [Redacted] |      |
| Approval for publication <sup>2</sup> | [Redacted] | Superintending Inspector   | [Redacted] |      |

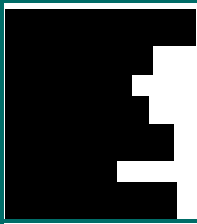
**Revision History**

| 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

**Circulation (latest issue)**

| Organisation                  | Name                                                                              | Date |
|-------------------------------|-----------------------------------------------------------------------------------|------|
| Office for Nuclear Regulation |  |      |
|                               |                                                                                   |      |
|                               |                                                                                   |      |

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

EC324384 – *NP/SC 7447: Modified Replacement of DC12a Neutron Flux Detectors*

Project Assessment Report ONR-TOR-PAR-15-023  
Revision 0  
09 December 2015

© Office for Nuclear Regulation, 2015

If you wish to reuse this information visit [www.onr.org.uk/copyright](http://www.onr.org.uk/copyright) for details.

Published 12/2015

*For published documents, the electronic copy on the ONR website remains the most current publicly available version and copying or printing renders this document uncontrolled.*

## EXECUTIVE SUMMARY

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

EC324384 – NP/SC 7447: Modified Replacement of DC12a Neutron Flux Detectors

### Permission Requested

EDF Nuclear Generation Limited (EDF NGL) has written to ONR to request Agreement or Acknowledgement regarding the NP/SC 7447: Modified Replacement of DC12a Neutron Flux Detectors. 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 *EC324384 – NP/SC 7447: Modified Replacement of DC12a Neutron Flux Detectors*.

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 this 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 (reference 2).

### 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 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 project.
7. This project presents a low risk of breaching the Ionising Radiation Regulations.

The reasoning for this decision is supported by an ONR Cat 1 assessment (reference 3).

### 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: Dungeness B Power station, Nuclear Site Licence 61, Request for Agreement or Acknowledgement under Arrangements made under Site Licence Condition LC22(1): EC324384 – NP/SC 7447: Modified Replacement of DC12a Neutron Flux Detectors dated 29 May 2015, Unique No NSLDNB50890Y (TRIM ref 2015/210289)
2. CNRP – Operating Reactors – Sub-programme Board – Notes from 24 November 2015. (TRIM 2015/455551).
3. Email from [REDACTED] to [REDACTED] detailing recommendations. (TRIM ref 2015/428444).

## 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                           |