



PROJECT ASSESSMENT REPORT			
<b>Unique Document ID and Revision No:</b>	ONR-DNB-PAR-14-030 Revision 0	<b>TRIM Ref:</b>	2015/77363
<b>Project:</b>	Request for Agreement or Acknowledgement under arrangements made under licence condition LC22(1)		
<b>Site:</b>	Dungeness B		
<b>Title:</b>	NP/SC 7694: Proposal to Install Bursting Discs in the Reactor Gas SRV Filter Vessels: Paper of Principle		
<b>Licence Instrument No:</b> (if applicable)	Acknowledgement 546		
<b>Nuclear Site Licence No:</b>	61		
<b>Licence Condition:</b>	LC22(1)		

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

Role	Name	Position	Signature	Date
Author	[REDACTED]	Programme Delivery Support		02/03/2015
Reviewer	[REDACTED]	Principal Inspector		02/03/2015
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
A	24/02/2015	[REDACTED]	[REDACTED]	n/a	1 <sup>st</sup> draft for review

#### Circulation (latest issue)

Organisation	Name	Date

<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

Office for Nuclear Regulation	[REDACTED]	
Licensee	[REDACTED]	

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

**NP/SC 7694: Proposal to Install Bursting Discs in the Reactor Gas SRV Filter Vessels:  
Paper of Principle**

Project Assessment Report ONR-DNB-PAR-14-030  
Revision 0  
24 February 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 03/2015

*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

### Dungeness B

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

#### NP/SC 7694: Proposal to Install Bursting Discs in the Reactor Gas SRV Filter Vessels: Paper of Principle

#### Permission Requested

The Licensee requested ONR's 'Agreement or Acknowledgement' under arrangements made under Licence Condition LC22(1) to "NP/SC 7694: Proposal to Install Bursting Discs in the Reactor Gas SRV Filter Vessels: Paper of Principle".

#### Background

The purpose of this Project Assessment Report is to record the ONR CNRP Operating Reactors Sub-programme Board's decision not to assess a safety submission from EdF Energy Nuclear Generation Limited (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 ONR CNRP Operating Reactors 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.

#### 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.

#### Recommendation

The CNRP Operating Reactors Sub-programme Board recommends the issue of a standard acknowledgement LI to EdF Energy Nuclear Generation Limited.

## LIST OF ABBREVIATIONS

ALARP	As low as reasonably practicable
BSL	Basic Safety level (in SAPs)
BSO	Basic Safety Objective (in SAPs)
CNRP	Civil Nuclear Reactor Programme
CNS	Civil Nuclear Security (ONR)
HOW2	(Office for Nuclear Regulation) Business Management System
IAEA	The International Atomic Energy Agency
NGL	EDF Nuclear Generation Limited
ONR	Office for Nuclear Regulation
PSA	Probabilistic Safety Assessment
PSR	Periodic Safety Review
SAP	Safety Assessment Principle(s)
SFAIRP	So far as is reasonably practicable
SSC	Structure, System and Component
TAG	Technical Assessment Guide (ONR)

## TABLE OF CONTENTS

1. PERMISSION REQUESTED.....	8
2. BACKGROUND.....	8
3. SUMMARY OF SAFETY CASE & CLAIMS.....	8
4. ASSESSMENT AND INSPECTION WORK CARRIED OUT BY ONR IN CONSIDERATION OF THIS REQUEST .....	8
5. MATTERS ARISING FROM ONR'S WORK.....	8
6. CONCLUSIONS .....	9
7. RECOMMENDATIONS .....	9
8. REFERENCES .....	9

## 1 PERMISSION REQUESTED

The Licensee has requested (Ref. 1) ONR's 'Agreement or Acknowledgement' under arrangements made under Licence Condition LC22(1) to NP/SC 7694 Revision 000 Proposal Version No: 03 Proposal to Install Bursting Discs in the Reactor Gas SRV Filter Vessels: Paper of Principle.

## 2 BACKGROUND

The purpose of this Project Assessment Report is to record the ONR 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 ONR CNRP.

## 3 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 NGL's submission following consideration of the following factors:

1. Are there significant unresolved nuclear safety issues?
2. Is there novelty/complexity for ONR or NGL?
3. ONR's confidence in NGL's arrangements for undertaking this project.
4. Is there a significant reduction in safety margins?
5. Are there significant ageing (particularly for PSR) issues?
6. Is hazard reduction achievable by prompt permissioning?
7. Is a Licence Instrument required by Licensee's arrangements?
8. Are there significant conventional safety risk in undertaking project?
9. Are there significant IRR risks in undertaking the project?
10. Does research support the safety solution?
11. What are stakeholder expectations of ONR (excluding licensee)?
12. Are there other licensee expectations e.g. commercial interests etc?
13. Are there leverage effects by allocation of resource to this proposal?
14. Are there other project interdependencies?

NGL's proposal (Ref. 2) has been reviewed (Ref. 3) against these factors. The key conclusions of this review are:

- The proposed modification is similar to that already implemented on other AGR's.
- There is no significant novelty associated with the modification.
- The proposal has completed due process within NGL. There were no INSA caveats and the Nuclear Safety Committee did not reject the paper.
- The proposed modification provides an improvement to nuclear safety.
- The modification is judged to be ALARP.

## 4 MATTERS ARISING FROM ONR'S WORK

None



## 5 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 (Ref. 4).

## 6 RECOMMENDATIONS

The CNRP Operating Reactors Sub-programme Board recommends the issue of a standard acknowledgement LI to EdF Energy Nuclear Generation Limited.

## 7 REFERENCES

1. EDF NGL Letter: Dungeness B Power station, Nuclear Site Licence No.61, Request for Agreement or Acknowledgement under Arrangements made under Licence Condition LC22(1): NP/SC 7694: Proposal to Install Bursting Discs in the Reactor Gas SRV Filter Vessels: Paper of Principle, dated 17 September 2014, Unique No NSLDNB50886Y (TRIM 2014/355492).
2. EDF NGL Report NP/SC 7694 Revision 000, Proposal Version No. 03, Proposal to Install Bursting Discs in the Reactor Gas SRV Filter Vessels: Paper of Principle, (TRIM 2014/159433).
3. ONR Note for Consideration by Operating Reactors Sub-Programme Board: Dungeness B, Request for Agreement or Acknowledgement under Arrangements made under Licence Condition LC22(1): NP/SC 7694: Proposal to Install Bursting Discs in the Reactor Gas SRV Filter Vessels: Paper of Principle (TRIM 2015/67008).
4. ONR CNRP Operating Reactors Sub-Programme Board Meeting Notes/Actions 17 February 2015 (TRIM 2015/14173).