



Replacement Research Reactor Project

LIST OF PLANT MANUALS

Prepared By

For
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TABLE OF CONTENTS

1	INTRODUCTION	4
2	LIST OF DOCUMENTS.....	4
2.1	System Design Manuals	4
2.2	Plant Operation	7
2.2.1	System Operation Manuals.....	7
2.2.2	System User Manuals.....	10
2.3	Maintenance	10
2.3.1	System Maintenance Manuals.....	10
3	PLANT OPERATION MANUAL.....	13

1 INTRODUCTION

This document has been prepared to support the Application for a Facility Licence, Operating Authorisation for the Replacement Research Reactor (the Reactor Facility). Section 2 lists the plant manuals that are being provided by the Contractor (INVAP S.E.) that cover the actual operation of the reactor and its associated systems. These manuals include design manuals, operation manuals, user manuals and maintenance manuals.

Section 3 of this document also contains an outline of the Plant Operation Manual. This demonstrates that procedures and instructions are available covering all reactor operator activities associated with normal operations and design basis accident conditions. The individual systems' manuals also contain detailed procedures and instructions associated with the operation of that system.

The documents identified below are subject to formal ANSTO review verification and acceptance in accordance with the relevant project procedures.

2 LIST OF DOCUMENTS

2.1 SYSTEM DESIGN MANUALS

DOCUMENT CODE	DOCUMENT DESCRIPTION
RRRP-0101-EDEIN-001	REACTOR CORE - DESIGN MANUAL
RRRP-0101-EDEIN-090	FUEL ELEMENTS - U3si2-4,8 - DESIGN MANUAL
RRRP-0101-EDEIN-130	FUEL ASSEMBLY CLAMPS - DESIGN MANUAL
RRRP-0201-EDEIN-001	FIRST SHUTDOWN SYSTEM - DESIGN MANUAL
RRRP-0201-EDEIN-100	CONTROL ROD DRIVES ROOM & WATERTIGHT DOOR- DESIGN MANUAL
RRRP-0201-EDEIN-300	CONTROL ROD SEAL BOX - DESIGN MANUAL
RRRP-0301-EDEIN-001	SECOND SHUTDOWN SYSTEM - DESIGN MANUAL
RRRP-0401-EDEIN-001	REFLECTOR VESSEL - DESIGN MANUAL
RRRP-0501-EDEIN-001	FUEL MANAGEMENT - DESIGN MANUAL
RRRP-0601-EDEIN-001	REACTOR POOL AND INTERNALS - DESIGN MANUAL
RRRP-0701-EDEIN-001	SERVICE POOL AND INTERNALS - DESIGN MANUAL
RRRP-1001-EDEIN-001	PRIMARY COOLING SYSTEM - DESIGN MANUAL
RRRP-1101-EDEIN-001	REFLECTOR COOLING & PURIFICATION SYSTEM -D20 - DESIGN MANUAL
RRRP-1201-EDEIN-001	EMERGENCY MAKE UP WATER SYSTEM - DESIGN MANUAL
RRRP-1301-EDEIN-001	REACTOR & SERVICE POOLS COOLING SYSTEM - DESIGN MANUAL
RRRP-2001-EDEIN-001	REACTOR WATER PURIFICATION SYSTEM - DESIGN MANUAL
RRRP-2101-EDEIN-001	SECONDARY COOLING SYSTEM - DESIGN MANUAL
RRRP-2201-EDEIN-001	HOT WATER LAYER SYSTEM - DESIGN MANUAL

RRRP-2301-EDEIN-001	DEMINERALISED WATER SUPPLY SYSTEM - DESIGN MANUAL
RRRP-3201-EDEIN-001	SAS, DOORS, & HATCHES - DESIGN MANUAL
RRRP-4001-EDEIN-001	NUCLEONICS INSTRUMENTATION - DESIGN MANUAL
RRRP-4101-EDEIN-002	FIRST REACTOR PROTECTION SYSTEM - DESIGN MANUAL
RRRP-4101-EDEIN-003	SECOND REACTOR PROTECTION SYSTEM - DESIGN MANUAL
RRRP-4101-EDEIN-200	POST ACCIDENT MONITORING SYSTEM - DESIGN MANUAL
RRRP-4201-EDEIN-001	RCMS AND FCMS - DESIGN MANUAL
RRRP-4201-EDEIN-002	CNSCMS & CNSPS - DESIGN MANUAL
RRRP-4301-EDEIN-430	CONTROL ROOMS - DESIGN MANUAL
RRRP-4501-EDEIN-100	AREA RADIATION MONITORING - DESIGN MANUAL
RRRP-4501-EDEIN-110	LIQUID EFFLUENT MONITORING - DESIGN MANUAL
RRRP-4501-EDEIN-130	LIQUID SYSTEMS MONITORING (WASMO, SAMO, ALMO) - DESIGN MANUAL
RRRP-4501-EDEIN-305	AIR EFFLUENT MONITORING - DESIGN MANUAL
RRRP-4501-EDEIN-306	AIR EFFLUENT MONITORING - INTELLIGENT STACK EFFLUENT SPECTROMETRIC CHANNEL - DESIGN MANUAL
RRRP-4501-EDEIN-600	FAILED FUEL ELEMENT MONITORING - DESIGN MANUAL
RRRP-5001-EDEIN-001	ELECTRICAL SYSTEM - DESIGN MANUAL
RRRP-5101-EDEIN-001	REACTOR VENTILATION SYSTEMS - DESIGN MANUAL
RRRP-5101-EDEIN-110	CERS AND CONTAINMENT PRESSURE AND VACUUM RELIEF SYSTEM - DESIGN MANUAL
RRRP-5101-EDEIN-200	NON CONVENTIONAL AREA VENTILATION SYSTEM - DESIGN MANUAL
RRRP-5201-EDEIN-100	SPENT RESINS HANDLING AND STORAGE - DESIGN MANUAL
RRRP-5201-EDEIN-200	RADIOACTIVE LIQUID WASTE MANAGEMENT SYSTEM - DESIGN MANUAL
RRRP-5301-EDEIN-001	SERVICES - DESIGN MANUAL
RRRP-5301-EDEIN-100	FIRE DETECTION & ALARMS SYSTEMS - DESIGN MANUAL
RRRP-5301-EDEIN-150	FIRE SUPPRESSION SYSTEMS - DESIGN MANUAL
RRRP-5301-EDEIN-200	POTABLE HOT, COLD WATER & SEWAGE SYSTEM - DESIGN MANUAL
RRRP-5301-EDEIN-300	COMPRESSED AIR SYSTEM - DESIGN MANUAL
RRRP-5301-EDEIN-450	PUBLIC ADDRESS AND SITE EMERGENCY NOTIFICATION SYSTEM - DESIGN MANUAL
RRRP-5301-EDEIN-550	FUEL OIL STORAGE AND DISTRIBUTION SYSTEM - DESIGN MANUAL

RRRP-5301-EDEIN-600	BUILDING MANAGEMENT CONTROL SYSTEM - DESIGN MANUAL
RRRP-5301-EDEIN-740	GASES SUPPLY SYSTEMS - DESIGN MANUAL
RRRP-5301-EDEIN-790	BREATHING AIR SYSTEM - DESIGN MANUAL
RRRP-5301-EDEIN-800	PLANT VISUAL SURVEILLANCE SYSTEM (CLOSED CCTV- NON SECURITY) - DESIGN MANUAL
RRRP-5401-EDEIN-001	CONVENTIONAL AREA HVAC SYSTEMS - DESIGN MANUALS
RRRP-5451-EDEIN-001	CONVENTIONAL VENTILATION WATER SYSTEMS - DESIGN MANUAL
RRRP-5501-EDEIN-001	CRANES & HOISTS - DESIGN MANUAL
RRRP-5601-EDEIN-550	REACTOR TANK OPERATION TOOLS - DESIGN MANUAL
RRRP-6001-EDEIN-200	NEUTRON BEAM + SHIELDS (OUTSIDE REFLECTOR TANK) - DESIGN MANUAL
RRRP-6001-EDEIN-250	INNER NEUTRON GUIDE HELIUM COOLING SYSTEM - DESIGN MANUAL
RRRP-6001-EDEIN-300	PRIMARY SHUTTERS COLD AND THERMAL - DESIGN MANUAL
RRRP-6001-EDEIN-340	HOT PRIMARY SHUTTERS - DESIGN MANUAL
RRRP-6001-EDEIN-400	NG SECONDARY SHUTTERS - DESIGN MANUAL
RRRP-6001-EDEIN-601	THERMAL NEUTRON GUIDES TNG1 AND TNG3 IN-PILE PART - DESIGN MANUAL
RRRP-6001-EDEIN-602	THERMAL NEUTRON GUIDE TNG4 IN-PILE PART - DESIGN MANUAL
RRRP-6001-EDEIN-603	THERMAL NEUTRON GUIDES TNG1 OUT-OF-PILE PART - DESIGN MANUAL
RRRP-6001-EDEIN-604	THERMAL NEUTRON GUIDES TNG3 OUT-OF-PILE PART - DESIGN MANUAL
RRRP-6001-EDEIN-621	NG VACUUM JACKET - DESIGN MANUAL
RRRP-6001-EDEIN-630	NEUTRON GUIDE SUPPORTS - DESIGN MANUAL
RRRP-6001-EDEIN-701	COLD NEUTRON GUIDES CNG1 AND CNG3 IN-PILE PART - DESIGN MANUAL
RRRP-6001-EDEIN-702	COLD NEUTRON GUIDE CNG4 IN-PILE PART - DESIGN MANUAL
RRRP-6001-EDEIN-703	COLD NEUTRON GUIDES CNG1 AND CNG3 OUT-OF-PILE PART - DESIGN MANUAL
RRRP-6001-EDEIN-721	NEUTRON GUIDE VACUUM SYSTEM - DESIGN MANUAL
RRRP-6201-EDEIN-001	CNS IN-PILE - DESIGN MANUAL
RRRP-6201-EDEIN-002	COLD NEUTRON SOURCE - DESIGN MANUAL
RRRP-6201-EDEIN-520	CNS – REFRIGERATION CRYO SYSTEMS - DESIGN MANUAL
RRRP-6201-EDEIN-530	CNS - VACUUM SYSTEM - DESIGN MANUAL

RRRP-6201-EDEIN-540	CNS - MODERATOR SYSTEM - DESIGN MANUAL
RRRP-6201-EDEIN-550	CNS - GAS BLANKETING SYSTEM - DESIGN MANUAL
RRRP-6801-EDEIN-100	SERVICE POOL IRRADIATED SAMPLE ELEVATOR - DESIGN MANUAL
RRRP-6801-EDEIN-150	INTER-HOT CELLS ELEVATOR - DESIGN MANUAL
RRRP-6801-EDEIN-200	HOT CELLS - DESIGN MANUAL
RRRP-6801-EDEIN-700	HYDRAULIC SILICON ROTATION SYSTEM - DESIGN MANUAL
RRRP-6901-EDEIN-001	PNEUMATIC CONVEYOR SYSTEMS - DESIGN MANUAL
RRRP-7640-EDEIN-001	CONFIGURATION MANAGEMENT SYSTEM MANUALS
RRRP-7655-EDEIN-002	3D "WALK-THROUGH" CAD MODEL - DESIGN MANUAL
RRRP-7655-EDEIN-005	PLANT SIMULATOR - DESIGN MANUAL

2.2 PLANT OPERATION

DOCUMENT CODE	DOCUMENT DESCRIPTION
RRRP-7250-EDEIN-001	PLANT OPERATION MANUAL

Note that an outline of the contents of this manual is presented in Section 3 of this document.

2.2.1 System Operation Manuals

DOCUMENT CODE	DOCUMENT DESCRIPTION
RRRP-0102-EDEIN-130	FUEL ASSEMBLY CLAMPS - OPERATION MANUAL
RRRP-0202-EDEIN-001	FIRST SHUTDOWN SYSTEM - OPERATION MANUAL
RRRP-0302-EDEIN-001	SECOND SHUTDOWN SYSTEM - OPERATION MANUAL
RRRP-0502-EDEIN-001	FUEL MANAGEMENT SYSTEM - OPERATION MANUAL
RRRP-1002-EDEIN-001	PRIMARY COOLING SYSTEM - OPERATION MANUAL
RRRP-1102-EDEIN-001	REFLECTOR COOLING & PURIFICATION SYSTEM -D20 - OPERATION MANUAL
RRRP-1202-EDEIN-001	EMERGENCY MAKE UP WATER SYSTEM - OPERATION MANUAL
RRRP-1302-EDEIN-001	REACTOR & SERVICE POOLS COOLING SYSTEM - OPERATION MANUAL
RRRP-2002-EDEIN-001	REACTOR WATER PURIFICATION SYSTEM - OPERATION MANUAL
RRRP-2102-EDEIN-001	SECONDARY COOLING SYSTEM - OPERATION MANUAL
RRRP-2102-EDEIN-400	SECONDARY COOLING SYSTEM - WATER TREATMENT SYSTEM - OPERATION MANUAL
RRRP-2202-EDEIN-001	HOT WATER LAYER SYSTEM - OPERATION MANUAL
RRRP-2202-EDEIN-100	HWLS - WATER TREATMENT - OPERATION MANUAL

RRRP-2302-EDEIN-001	DEMINERALISED WATER SUPPLY SYSTEM - OPERATION MANUAL
RRRP-2302-EDEIN-200	DEMINERALISATION PLANT - OPERATION MANUAL
RRRP-3202-EDEIN-001	SAS, DOORS, & HATCHES - OPERATION MANUAL
RRRP-4002-EDEIN-001	NUCLEONICS INSTRUMENTATION - OPERATION MANUAL
RRRP-4102-EDEIN-002	FIRST REACTOR PROTECTION SYSTEM - OPERATION MANUAL
RRRP-4102-EDEIN-003	SECOND REACTOR PROTECTION SYSTEM - OPERATION MANUAL
RRRP-4102-EDEIN-200	POST ACCIDENT MONITORING SYSTEM - OPERATION MANUAL
RRRP-4202-EDEIN-001	RCMS AND FCMS - OPERATION MANUAL
RRRP-4502-EDEIN-100	AREA RADIATION MONITORING – OPERATION MANUAL
RRRP-4502-EDEIN-110	LIQUID EFFLUENT MONITORS – OPERATION MANUAL
RRRP-4502-EDEIN-120	FIXED NEUTRON MONITORS – OPERATION MANUAL
RRRP-4502-EDEIN-155	TRITIUM MONITORING - OPERATION MANUAL
RRRP-4502-EDEIN-305	AIR EFFLUENT MONITORING - OPERATION MANUAL
RRRP-4502-EDEIN-306	AIR EFFLUENT MONITORING - INTELLIGENT STACK EFFLUENT SPECTROMETIC CHANNEL - OPERATION MANUAL
RRRP-4502-EDEIN-500	SECONDARY WATER ACTIVITY MONITORING (SAMO) - OPERATION MANUAL
RRRP-4502-EDEIN-600	FAILED FUEL ELEMENT MONITORING - OPERATION MANUAL
RRRP-4502-EDEIN-970	ACTIVE LIQUID MONITORING - OPERATION MANUAL
RRRP-4502-EDEIN-980	WASTE STREAM MONITOR - OPERATION MANUAL
RRRP-5002-EDEIN-001	ELECTRICAL SYSTEM - OPERATION MANUAL
RRRP-5102-EDEIN-001	REACTOR VENTILATION SYSTEMS – OPERATION MANUAL
RRRP-5102-EDEIN-110	CERS AND CONTAINMENT PRESSURE AND VACUUM RELIEF SYSTEM - OPERATION MANUAL
RRRP-5102-EDEIN-200	NON CONVENTIONAL AREA HVAC SYSTEM - OPERATION MANUAL
RRRP-5202-EDEIN-100	SPENT RESINS HANDLING AND STORAGE SYSTEM - OPERATION MANUAL
RRRP-5202-EDEIN-200	RADIOACTIVE LIQUID WASTE MANAGEMENT SYSTEM - OPERATION MANUAL
RRRP-5302-EDEIN-001	SERVICES - OPERATION MANUAL
RRRP-5302-EDEIN-100	FIRE DETECTION & ALARMS SYSTEMS - OPERATION MANUAL
RRRP-5302-EDEIN-150	FIRE SUPPRESSION SYSTEMS - OPERATION MANUAL
RRRP-5302-EDEIN-151	INERGEN GASEOUS FIRE SUPPRESSION SYSTEMS - OPERATION AMNUAL

RRRP-5302-EDEIN-152	PORTABLE FIRE EXTINGUISHING EQUIPMENT AND BREATHING EQUIPMENT - OPERATION MANUAL
RRRP-5302-EDEIN-200	POTABLE HOT, COLD WATER & SEWAGE SYSTEM - OPERATION MANUAL
RRRP-5302-EDEIN-300	COMPRESSED AIR SYSTEM - OPERATION MANUAL
RRRP-5302-EDEIN-450	PUBLIC ADDRESS & SITE EMERGENCY NOTIFICATION SYSTEM - OPERATION MANUAL
RRRP-5302-EDEIN-550	FUEL OIL STORAGE AND DISTRIBUTION SYSTEM - OPERATION MANUAL
RRRP-5302-EDEIN-600	BUILDING MANAGEMENT CONTROL SYSTEM - OPERATION MANUAL
RRRP-5302-EDEIN-740	GASES (HELIUM, NITROGEN LIQUID & GASEOUS, OXYGEN, ARGON) SUPPLY SYSTEMS - OPERATION MANUAL
RRRP-5302-EDEIN-790	BREATHING AIR SYSTEM - OPERATION MANUAL
RRRP-5302-EDEIN-800	PLANT VISUAL SURVEILLANCE SYSTEM (CLOSED CCTV- NON SECURITY) - OPERATION MANUAL
RRRP-5402-EDEIN-001	CONVENTIONAL AREA HVAC SYSTEMS - OPERATION MANUAL
RRRP-5452-EDEIN-001	CONVENTIONAL VENTILATION WATER SYSTEM - OPERATION MANUAL
RRRP-5502-EDEIN-001	CRANES & HOISTS - OPERATION MANUAL
RRRP-5602-EDEIN-550	REACTOR TANK OPERATION TOOLS - OPERATION MANUAL
RRRP-6002-EDEIN-002	TNG1 THERMAL NEUTRON GUIDE SYSTEM - OPERATION MANUAL
RRRP-6002-EDEIN-003	TNG3 THERMAL NEUTRON GUIDE SYSTEM - OPERATION MANUAL
RRRP-6002-EDEIN-004	CNG1 COLD NEUTRON GUIDE SYSTEM - OPERATION MANUAL
RRRP-6002-EDEIN-005	CNG3 COLD NEUTRON GUIDE SYSTEM - OPERATION MANUAL
RRRP-6002-EDEIN-250	INNER NEUTRON GUIDE HELIUM COOLING SYSTEM - OPERATION MANUAL
RRRP-6002-EDEIN-400	NG SECONDARY SHUTTERS - OPERATION MANUAL
RRRP-6002-EDEIN-721	NEUTRON GUIDE VACUUM SYSTEM - OPERATION MANUAL (No services)
RRRP-6202-EDEIN-520	CNS - REFRIGERATION CRYO SYSTEM - OPERATION MANUAL
RRRP-6202-EDEIN-530	CNS - VACUUM SYSTEM - OPERATION MANUAL
RRRP-6202-EDEIN-540	CNS – MODERATOR SYSTEM - OPERATION MANUAL
RRRP-6202-EDEIN-550	CNS - GAS BLANKETING SYSTEM - OPERATION MANUAL
RRRP-6802-EDEIN-100	SERVICE POOL ELEVATOR - OPERATION MANUAL
RRRP-6802-EDEIN-150	INTER-HOT CELLS ELEVATOR - OPERATION MANUAL

RRRP-6802-EDEIN-200	HOT CELLS - OPERATION MANUAL
RRRP-6802-EDEIN-500	BULK IRRADIATION RIG - OPERATION MANUAL
RRRP-6802-EDEIN-700	HYDRAULIC SILICON ROTATION SYSTEM - OPERATION MANUAL
RRRP-6902-EDEIN-001	PNEUMATIC CONVEYOR SYSTEMS - OPERATION MANUAL

2.2.2 System User Manuals

DOCUMENT CODE	DOCUMENT DESCRIPTION
RRRP-0202-EDEIN-100	CONTROL ROD DRIVES ROOM & WATERTIGHT DOOR – USER MANUAL
RRRP-0602-EDEIN-002	REACTOR & SERVICE POOLS – USERS MANUAL
RRRP-4202-EDEIN-002	RCMS AND FCMS - SOFTWARE HMI - USER MANUAL
RRRP-4202-EDEIN-004	RCMS AND FCMS – CONTROL LOOPS - USER MANUAL
RRRP-4302-EDEIN-001	CONTROL ROOMS - HARDWARE HMI - USER MANUAL
RRRP-6002-EDEIN-300	PRIMARY HOT SHUTTERS - USER MANUAL
RRRP-6002-EDEIN-340	PRIMARY SHUTTERS COLD & THERMAL - USER MANUAL
RRRP-6202-EDEIN-002	COLD NEUTRON SOURCE - USER MANUAL
RRRP-7250-EDEIN-125	BULK IRRADIATION FACILITIES – USER MANUAL
RRRP-7250-EDEIN-126	NTD IRRADIATION FACILITIES - USER MANUAL
RRRP-7430-EDEIN-001	ON LINE TRAINING PACKAGE USER 'S MANUAL
RRRP-7655-EDEIN-001	3D "WALK-THROUGH" CAD MODEL USER 'S MANUAL
RRRP-7655-EDEIN-004	PLANT SIMULATOR USER 'S MANUAL

2.3 MAINTENANCE

DOCUMENT CODE	DOCUMENT DESCRIPTION
RRRP-7260-EDEIN-001	PLANT MAINTENANCE MANUAL

2.3.1 System Maintenance Manuals

DOCUMENT CODE	DOCUMENT DESCRIPTION
RRRP-0103-EDEIN-130	FUEL CLAMPS - MAINTENANCE MANUAL
RRRP-0203-EDEIN-001	FIRST SHUTDOWN SYSTEM- MAINTENANCE MANUAL
RRRP-0203-EDEIN-100	CONTROL ROD DRIVES ROOM & WATERTIGHT DOOR-MAINTENANCE MANUAL
RRRP-0203-EDEIN-300	CONTROL ROD SEAL BOX - MAINTENANCE MANUAL
RRRP-0303-EDEIN-001	SECOND SHUTDOWN SYSTEM - MAINTENANCE MANUAL
RRRP-0603-EDEIN-001	REACTOR POOL AND INTERNALS - MAINTENANCE MANUAL
RRRP-0703-EDEIN-001	SERVICE POOL AND INTERNALS - MAINTENANCE MANUAL

RRRP-1003-EDEIN-001	PRIMARY COOLING SYSTEM - MAINTENANCE MANUAL
RRRP-1103-EDEIN-001	REFLECTOR COOLING & PURIFICATION SYSTEM -D20 - MAINTENANCE MANUAL
RRRP-1203-EDEIN-001	EMERGENCY MAKE UP WATER SYSTEM - MAINTENANCE MANUAL
RRRP-1303-EDEIN-001	REACTOR & SERVICE POOLS COOLING SYSTEM - MAINTENANCE MANUAL
RRRP-2003-EDEIN-001	REACTOR WATER PURIFICATION SYSTEM - MAINTENANCE MANUAL
RRRP-2103-EDEIN-001	SECONDARY COOLING SYSTEM - MAINTENANCE MANUAL
RRRP-2103-EDEIN-400	SECONDARY COOLING SYSTEM - WATER TREATMENT SYSTEM - MAINTENANCE MANUAL
RRRP-2203-EDEIN-001	HOT WATER LAYER SYSTEM- MAINTENANCE MANUAL
RRRP-2303-EDEIN-001	DEMINERALISED WATER SUPPLY SYSTEM - MAINTENANCE MANUAL
RRRP-2303-EDEIN-200	DEMINERALISATION PLANT - MAINTENANCE MANUAL
RRRP-3203-EDEIN-001	SAS, DOORS, & HATCHES - MAINTENANCE MANUAL
RRRP-4003-EDEIN-001	NUCLEONICS INSTRUMENTATION - MAINTENANCE MANUAL
RRRP-4103-EDEIN-002	FIRST REACTOR PROTECTION SYSTEM - MAINTENANCE MANUAL
RRRP-4103-EDEIN-003	SECOND REACTOR PROTECTION SYSTEM - MAINTENANCE MANUAL
RRRP-4103-EDEIN-200	POST ACCIDENT MONITORING SYSTEM - MAINTENANCE MANUAL
RRRP-4203-EDEIN-001	RCMS AND FCMS - MAINTENANCE MANUAL
RRRP-4303-EDEIN-430	CONTROL ROOMS – MAINTENANCE MANUAL
RRRP-4503-EDEIN-100	FIXED GAMMA AREA RADIATION MONITORING - MAINTENANCE MANUAL
RRRP-4503-EDEIN-110	LIQUID EFFLUENT MONITORING – MAINTENANCE MANUAL
RRRP-4503-EDEIN-120	FIXED NEUTRON MONITORING - MAINTENANCE MANUAL
RRRP-4503-EDEIN-155	TRITIUM MONITORING - MAINTENANCE MANUAL
RRRP-4503-EDEIN-305	AIR EFFLUENT MONITORING - MAINTENANCE MANUAL
RRRP-4503-EDEIN-306	AIR EFFLUENT MONITORING - INTELLIGENT STACK EFFLUENT SPECTROMETRIC CHANNEL - MAINTENANCE MANUAL
RRRP-4503-EDEIN-500	SECONDARY COOLING SYSTEM WATER MONITORING (SAMO) - MAINTENANCE MANUAL
RRRP-4503-EDEIN-600	FAILED FUEL ELEMENT MONITORING - MAINTENANCE MANUAL

RRRP-4503-EDEIN-700	WALK THROUGH CONTAMINATION MONITORING - MAINTENANCE MANUAL
RRRP-4503-EDEIN-970	ACTIVE LIQUID SYSTEMS MONITORING (ALMO) - MAINTENANCE MANUAL
RRRP-4503-EDEIN-980	WASTE STREAMS MONITORING (WASMO) - MAINTENANCE MANUAL
RRRP-5003-EDEIN-001	ELECTRICAL SYSTEM - MAINTENANCE MANUAL
RRRP-5103-EDEIN-001	REACTOR VENTILATION SYSTEMS - MAINTENANCE MANUAL
RRRP-5103-EDEIN-110	CERS AND CONTAINMENT PRESSURE AND VACUUM RELIEF SYSTEM - MAINTENANCE MANUAL
RRRP-5103-EDEIN-200	NON CONVENTIONAL AREA VENTILATION SYSTEM - MAINTENANCE MANUAL
RRRP-5203-EDEIN-100	SPENT RESIN HANDLING AND STORAGE - MAINTENANCE MANUAL
RRRP-5203-EDEIN-200	RADIOACTIVE LIQUID WASTE MANAGEMENT SYSTEM - MAINTENANCE MANUAL
RRRP-5303-EDEIN-001	SERVICES - MAINTENANCE MANUAL
RRRP-5303-EDEIN-100	FIRE DETECTION & ALARMS SYSTEMS - MAINTENANCE MANUAL
RRRP-5303-EDEIN-150	FIRE SUPPRESSION SYSTEMS - MAINTENANCE MANUAL
RRRP-5303-EDEIN-200	POTABLE COLD & HOT TAP WATER SYSTEM - MAINTENANCE MANUAL
RRRP-5303-EDEIN-300	COMPRESSED AIR SYSTEM - MAINTENANCE MANUAL
RRRP-5303-EDEIN-450	EMERGENCY WARNING AND INTERCOMMUNICATION SYSTEM (EWIS) - MAINTENANCE MANUAL
RRRP-5303-EDEIN-550	FUEL OIL STORAGE AND DISTRIBUTION SYSTEM - MAINTENANCE MANUAL
RRRP-5303-EDEIN-600	BUILDING MANAGEMENT CONTROL SYSTEM - MAINTENANCE MANUAL
RRRP-5303-EDEIN-740	GASES (HELIUM, NITROGEN LIQUID & GASEOUS, OXYGEN, ARGON) SUPPLY SYSTEMS - MAINTENANCE MANUAL
RRRP-5303-EDEIN-790	BREATHING AIR SYSTEM - MAINTENANCE MANUAL
RRRP-5303-EDEIN-800	PLANT VISUAL SURVEILLANCE SYSTEM (CLOSED CCTV- NON SECURITY) - MAINTENANCE MANUAL
RRRP-5403-EDEIN-001	CONVENTIONAL AREA HVAC SYSTEMS - MAINTENANCE MANUAL
RRRP-5453-EDEIN-001	CONVENTIONAL VENTILATION WATER SYSTEMS - MAINTENANCE MANUAL
RRRP-5503-EDEIN-001	CRANES & HOISTS - MAINTENANCE MANUAL
RRRP-6003-EDEIN-002	IN-PILE NEUTRON GUIDES - MAINTENANCE MANUAL

RRRP-6003-EDEIN-003	OUT-OF-PILE NEUTRON GUIDES - MAINTENANCE MANUAL
RRRP-6003-EDEIN-250	INNER NEUTRON GUIDE HELIUM COOLING SYSTEM - MAINTENANCE MANUAL
RRRP-6003-EDEIN-300	PRIMARY SHUTTERS HOT - MAINTENANCE MANUAL
RRRP-6003-EDEIN-340	PRIMARY SHUTTERS COLD & THERMAL - MAINTENANCE MANUAL
RRRP-6003-EDEIN-400	NG SECONDARY SHUTTERS - MAINTENANCE MANUAL
RRRP-6003-EDEIN-720	NEUTRON GUIDES VACUUM SYSTEM - MAINTENANCE MANUAL
RRRP-6203-EDEIN-002	COLD NEUTRON SOURCE - MAINTENANCE MANUAL
RRRP-6203-EDEIN-520	REFRIGERATION/CRYO SYSTEMS - MAINTENANCE MANUAL
RRRP-6203-EDEIN-530	VACUUM SYSTEM - MAINTENANCE MANUAL
RRRP-6203-EDEIN-540	DEUTERIUM SYSTEM - MAINTENANCE MANUAL
RRRP-6203-EDEIN-550	HELIUM BLANKETING SYSTEM - MAINTENANCE MANUAL
RRRP-6803-EDEIN-100	SERVICE POOL IRRADIATED SAMPLE ELEVATOR - MAINTENANCE MANUAL
RRRP-6803-EDEIN-150	INTER-HOT CELLS ELEVATOR MAINTENANCE MANUAL
RRRP-6803-EDEIN-200	ABOVE POOL RADIOISOTOPE TRANSFER HOT CELL - MAINTENANCE MANUAL
RRRP-6803-EDEIN-250	PNEUMATIC CONVEYOR HOT CELLS (A&B) - MAINTENANCE MANUAL
RRRP-6803-EDEIN-300	LOADING RADIOISOTOPE HOT CELL - MAINTENANCE MANUAL
RRRP-6803-EDEIN-700	HYDRAULIC SILICON ROTATION SYSTEM - MAINTENANCE MANUAL
RRRP-6903-EDEIN-001	PNEUMATIC CONVEYOR SYSTEMS - MAINTENANCE MANUAL

3 PLANT OPERATION MANUAL

This section contains an outline of the Plant Operation Manual. As can be seen, this manual covers all reactor operator activities associated with normal operations and design basis accident conditions.

- 1 SCOPE**
- 2 ABBREVIATIONS**
- 3 GENERAL PLANT DESCRIPTION**
 - 3.1 Plant Documents**
 - 3.2 Plant Buildings and Structures**
 - 3.3 General Description of the Facility**
- 4 REACTOR STATES**
 - 4.1 Introduction**
 - 4.2 Description of Reactor States**
 - 4.2.1 Introduction
 - 4.2.2 RPS Operation Relevant to Reactor States
 - 4.2.3 Power State
 - 4.2.4 Physics Tests State

- 4.2.5 Shutdown State
- 4.2.6 Refuelling State
- 4.2.7 Summary of the Principal Actions of RCMS and RPS in each Reactor State
- 4.2.8 Systems Modes Configuration and Valve Line-up for Each Reactor State
- 5 PLANT CONFIGURATION**
- 6 TRANSITIONS BETWEEN PLANT STATES**
- 6.1 Introduction**
- 6.2 Reactor Transition Briefing**
- 6.3 Description of Procedures**
 - 6.3.1 Procedure for Transition from Shutdown to Power
 - 6.3.2 Procedure for Transition from Power to Shutdown
 - 6.3.3 Procedure for Transition from Shutdown to Physics Test
 - 6.3.4 Procedure for Transition from Physics Test to Shutdown
 - 6.3.5 Procedure for Transition from Shutdown to Refuelling
 - 6.3.6 Procedure for Transition from Refuelling to Shutdown
 - 6.3.7 Procedure for Plant Configuration after Trip 1
 - 6.3.8 Procedure for Plant Configuration after Trip 2
 - 6.3.9 Procedure for Plant Configuration after Blackout
 - 6.3.10 Procedure for Immediate Restart to Power after Trip 1
 - 6.3.11 Procedure for Immediate Restart to Power after Blackout
- 7 LIST OF SYSTEMS OPERATION MANUALS**
- 8 CONTROL ROOM USER MANUAL AND RCMS & FCMS USER MANUAL**
- 9 ALARM RESPONSE**
- 9.1 Introduction**
- 9.2 Operator Response to Alarms Associated to a Reactor Trip by RPS**
- 9.3 Approach to Respond to the Rest of the Alarms (Not Associated to a Reactor Trip by RPS)**
- 10 SAFETY SETTINGS**
- 10.1 RPS Safety Settings**
- 10.2 RCMS Set Points**
- 11 IRRADIATION FACILITIES AND PNEUMATIC TRANSPORT SYSTEM**
- 12 COLD NEUTRON SOURCE AND NEUTRON FACILITIES**
- 12.1 Cold Neutron Source**
- 12.2 Neutron Facilities**
- 13 OPERATIONAL WASTE MANAGEMENT**
- 14 MOVEMENT OF FUEL ASSEMBLIES**
- 15 PROCEDURE FOR REACTOR REFUELLING**
- 15.1 Refuelling - Prerequisites**
- 15.2 Refuelling - Actions**
- 15.3 Operating Instruction R0000-xx Refuelling**
- 16 MOVEMENT OF OBJECTS INSIDE AND BETWEEN REACTOR POOL AND SERVICE POOL**
- 17 DAILY IN-SERVICE INSPECTION**
- 17.1 Daily In-Service Inspection - Actions**
- 17.2 Operating Instruction R0000-xx Daily In-Service Inspection**
- 18 SUPERVISION OF SYSTEMS DURING DIFFERENT STATES**
- 19 APPENDIX 1: ABBREVIATIONS**
- 20 APPENDIX 2: CYCLE BRIEFING FORM**
- 21 APPENDIX 3: SYSTEM/SUBSYSTEM MODE CORRESPONDING TO EACH REACTOR STATE**
- 22 APPENDIX 4: VALVE LINE-UP FOR EACH REACTOR STATE**
- 23 APPENDIX 5: SYSTEMS OPERATION MANUALS**