

# Dounreay Report Progress report, March 2015

## Dounreay Improvement Team update

; FCRC?K GDSJMSLARML?JU GF UMH CPQDPNK RFC ICVOCRC NFMICAR?PC?QF?TGE HMLCB RFC  
EPM\$NG, fii fii, 1 MDDAC?PC?i ; FC GGGJRMNž Q'DCRVASJSPC GGGJRCQF?TC @OCL BCLRGGCB  
?LBI CV?ARMLQ?PCSLBCFU?W

- +MLBSARMD7NCP?RMLQ?L GGGJK CCRGE RMMI NJ?AC RVPCTGU RFC +MLBSARMD7NCP?RMLQ  
5?LS?JU GF RFGU MH @CGE CSNNMFCB @WFC; P?BC <LGM ?LB Q'DCRVPCNFCOCLR?RQCO  
, : 94CK NJWQOQF?TC?JM@OCL G.TGCB RVNFMTCB DCCB@?AI ML RFGK ?LS?JU GF ?TGU RM  
JMMGE ?RFMU RGA?L @CB NFMTCB
- 9.) =?R?RML Y ML R?FCRDMP2SLC ANK NUCRML ! MDOGFR?ARMLQ?PC ANK NUCR
- 5 ?L?ECK CLR> MH NJ?AC > ?J BMU LOY 1(GGRCB E) NFG 8FMTBC? QK NCK ?L?ECK CLRU?J  
BMUL NFMACQDF?RNFMTCBODMASOQB RMNAQ?LB QRC ?PC?QRMV?R?G JC?PLGE ?LB DCCB@?AI RM  
RFC, 1i ; MNA?PC?OU GJ@C?CB ?RAMLSARMDMNC?RMLQ Q'DCP@WFC BMXCL  
CLTGMLK CLR?J?U?PCLCOQ?LB K MP?JQ
- : CAMLB 6?RSPC 7@OFT?RML G RFC > MH NJ?ACY 1K NCK CLR RFC PCTGDB QRC U GC NFMACBSFO  
. MASOU GJ@C ML UMH DMPAC LE?ECK CLRCLBMFCB @WFC, 1i
- : SNCTGMV, P?GGE ~, CTCJMN QRC U GC R?GGE NFMEP?K U GF ONCAGBA DNASQML FMCO?LB  
PCNMLO@QRCQ AMLSARMDMNC?RMLQ ?LB JC?BCPFC Q CVNCA?RMLQ

1 ?BBGML, FCRC?K AMLRGSCOU GF UCCI JMTGGRV?JK ?HMP?ACGGORMCLE?ECU GF RFC  
NFMICARFC?K Q?LBE?G DCCB@?AI ML, 1 GGGJRCQ 4?QRUCI FCRC?K TGRCB RFC, filfifi 4?@  
U GF G RFC. SCJ+VAJC) PC? . +) 'i ; FGUCCI [QTGRUGJ@C?RRC. +) , filfizi

) @CLAFK ?R GE TGRMFC6, ) 5 ?ELMW: GCU CJ) QRC RMC?PCJCCMLQJC?PLRML +MLBSARMD  
7NCP?RMLQ ; FCTGRGQAF CBSJCB DMPŁ&Ž/fizi

## Health, Safety, Security and Environmental

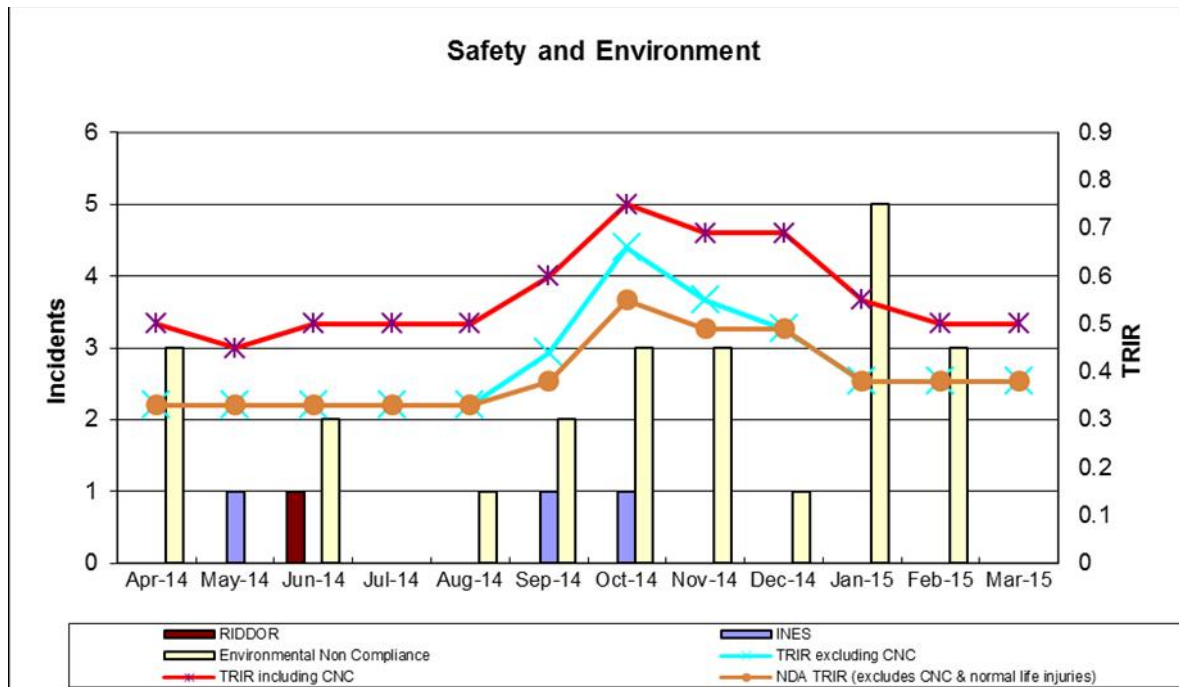
**ONR Improvement Notice:** ; FC9C?ARMD, GRCARMP?PC GML QAF CBSJCRVANK NUCR  
QK NCK CLR?RML NDFC RFCC K C?SPQPCOSGCB @WFC 769 1K NFMTC CLR6MRC?QDAGRCB  
U GF RFC 8, 9; ?LI . ?FK @W fi 2SLCŁfifz'

- 1K NFMTC ?L?ECK CLRMDFC?JF ?LB Q'DCRV?PP?LECK CLRQ?RRC 8, 9; ?LI . ?FK
- 1K NCK CLR RFC ?NFMTCB ?PP?LECK CLRQ?LB CLOSFC UMH CPOSLBCFQ?LB ?LB ANK NJW  
U GF RFC ?PP?LECK CLRQ
- 1K NFMTC ?LB QK NCK CLRAF?LECORMFC?J ?JGK CR?JOME?LGRML

; FC CK NPMTC CLRUMI GASBCO? PCTGU MDN?CRCTCLFO?R8. 9 ?LB, . 9 RVBCLRDMANK K ML A?SOOQ?LB AMPCARTC?RMLQ BCLREDA?RML MDK NPMTCB ?P?LECK CLFODMNP?LLGE, K MBOVGE, AMLRPMJGE, K MLGMVGE, ?LB PCTGU GE ?J ?JCK CR?JUMI (CK NPMTC CLRMDUMI CFP?GE GE ?LB CLE?ECK CLR ?LB PCME?LGE?RML MDRFC 9C?ARMO, GCARMP?RC ME?LGE?RML RVK NPMTC ?AANSLR?@GAVMPC?DC ?J ?JCK CR?JMNCP?RMLQ

; FC 9C?ARMO, GCARMP?RC GE?JOMANK NCRGE Q?DRAPCTGU Q?LB NPCN?P?RMLQDMPPOSK GE FFC 8. 9; ?LI . ?FK UMI ; FQUUMI @@GE MTCOOL @V, : 94[OG.BONCLBOLR?OEP?LACRC?K, 769, ?LB: -8) I

, : 94GE?NNVGE @PMBWFCJOOMLQJ?PLCB DMK FFC 8. 9; ?LI . ?FK 1K NPMTC CLR6MRCAC AMO?MSRUMI RFVSEFMSRFFC, MSLPC?WOC RFVSEF FFC, MSLPC?WK NPMTC CLR; C?K I



- ; FC) LLS?J9CTGU MD: ?DRMK CORGE @CRU OCL, : 94. 769?LB: -8) . RMMI NP?ACML ; FSPCB?WV5 ?PAF fi& ; FC PCES.P?RMPQAMK K CLRFB RF?RRCVAF?B LMRFB NMOBCTC QE LOMD CK NPMTC CLR UFGF FFCVU GJAMLRG.SCRVK MLGMV
- 1. C@PS?PV, : 94GDMK CB: -8) MD?L GOSCPCE?FBGE BCK OAMLR?GE GE RF MRSK DMK , MSLPC?WVWFC 6?RML?J6SAC?P4?@MP?RMMQ?664? POC?PAF ?LB BCTJMK CLR?ACGVF?R F?B LMR@CCL GASBCB GE FFC G.TCLRMPV ; FC RF MRSK U?ONPCOOLRG. fiZ MAVECL K MLGMV UFGF F?B @CCL NP?ACB UFGG MLC MDRFC G.LCPAMLR?G.CPDRF?RFB? K MBOVCS@?COCK @W ) RFFCRK C.MDN?AI GE GE Lfifiz, FFC?K MSLRMDRF MRSK U?QLMRAMPFCAR?LB FFC U?WFC K ?RCPJ?U?ON?AI CB U?QLMR?AASP?RCMPCAMFBCB ; FC fiZ K MLGMV OAMLR?G.CB ?NNFVCK ?RCM?Z\$fiEP?K ONDRF MRSK, ?LB U.CPC LMRPCAMFBCB ML FFC RP?LONMR

BVASK CLR?RML: MCB; FMRSK @? JMU ^PG K ?RCP?J ?LB RFC U?VGRU?ON?AI CB G RFC G LCP  
 ANLR?G.CPK CRFC R?LONMRFOSGCK CLRQ ; FCN?AI ?EC MDNWECL K MLCMPQU?QBGMTCFB  
 G . @PS?PVLfifiz U FCL RFC OS@?@CK @WU?O@CGE BGG ?LRFB RM?JMU RRC?RK CLRMDFC  
 DSCJ ; FGF?Q@OCL PPSFLCB RM N\$LFC?W , ; 94F?OCV?K G.CB PCAMBO?LB A?PFCB M\$R  
 D\$FFCPML ^QFC AFCAI QFVBCLRBMU FFC MFCPCSAF K MLCMPQCK ?G1 , ; 94ANLBSARCB ?L  
 G.TCORE?RML ?LB UFGC RFC U CPC ? LSK @CPMDJCCOMLORV@C.JC?PLRFFC G.TCORE?RML ?JOM  
 ANLASBOB RF?RF@U?Q? JCE?AVG@SQ

- , ; 94F?OCS@K GFCB NJ?LORV - 8) DMPFC?BBGML?JGQR?J?RML MDEFN\$LBU?FCPK MLCMRE  
 @MFCMOQ?RRC, N\$LFC?VQFC RMK NFMTC RCK MLCMRE LCRUMI : - 8) F?TC NFMTCB  
 ANK K CLRQ?LB , ; 94@ASPCLRMPCONMLBGE RMFCOQ
- : - 8) F?TC P?RFB 4?LB@JŽŁ [OCLTGMLK CLR?JNCPDMK ?LAC?Q\ - VACJLR] ; F@K C?LOFF?R  
 , ; 94@DSJWANK NJ?LRU GF RFC JACLAC ANLBGMLOPC?RGE RMFC CLTGMLK CLR?J  
 K ?L?ECK CLRMD4?LB@JŽŁ
- ) QFC AN\$LRCP RCPMRCRCVCPAGC RMI NJ?AC ML f<sup>(R)</sup> NPG ; F@U?OBCK CB ?L Z?BCOS?RC  
 BCK MLCR?RML MDRFC?PP?LECK CLRQ

**Site Performance**

7TOPFCN?ORRU CJTK K MLFQ , ; 94F?TC ANLORSARCB RFC PCTGB NFM?K K CRMGLAMINM?RRC  
 ?EPCB 6, ) QANCAF?LECO DMPFC ANLR?AR ; FGF?Q@OCL ? NPMRCVABCJCP?@C. QGAC R  
 NFMTCORFC NFM?K K C @WUFAF , ; 94U GJCVCASFC RFC UMI ?LB @CK C?OSFCB ?E?GCRG  
 D\$RSPC V?PQ ; FC PCTGB NFM?K K CF?Q@OCL ?NFMTCB @V6, ) ?LB @ NUCK CLR?RML MDRFC  
 NFM?K K CANK K CLACB ML f<sup>(R)</sup> NPGŁfifiz

: NACBA 8CPDMK ?LAC) AF@TCK CLRQ?PC

**• Dounreay Fast Reactor (DFR)**

- ANK NUCRB RFC DFCR?EC MDRFC NFMICARRMFC MTC PCB SLB?LRA?@GE ?R, . 9i ; FC DFCR  
 CR?EC U?QRMOR?J PCB SLB?LRA?@GE DMK RFC G?ARGC ONFCPC Q GR?LB SLBCEPMSLB  
 BSARDM RFC Q GRRVSLBCLC?R U FFC RFC ANLRM FMK SOCB RM@ ; F@?K N\$LRB RM  
 Ž RMLLQMDA?@GE ?LB \$LARML @WCOF?TGE @CCL PCK MTCB QMD?R ; FCLVRCR?EC QFM  
 @CEG ORPNGE A?@GE DMK UGF G RFC ONFCPC QJMU PCOARM
- ) RFB U?RCPDSCF MDRFC NPK ?PAMVBP?NJMMN °8+; 4" ML RFC, . 9PC?ARMPRMNF?Q@OCL  
 A?PFCB M\$R ; FGF?OPCK MTCB ? QELGA?LR?ARGVADMK RFC 8+; 4?LB PCB SACB RFC  
 P?BGRML JCTCQ ; F@?JOMPCBSACQFC P?BGRML BMO SNR?I C BSPGE D\$RSPC A?PC ?LB  
 K ?G.RCL?LAC?LB BCAN K G@MLGE ?ARGGQ

• **Prototype Fast Reactor (PFR)**

- +MK NJRCB FFC PCK MT?JMDFFC FFC? JONFML TCLRJC CDPNK FFC LMFF U?JMDFFC 9C?ARMP\* SCBG.EI
- +MK NJRCB FFC PCK MT?JMD? LSK @CPMDAML RMT?JTC?AFS?RMDPNK FFC 8. 9 8+; 4T?SJR FMD?PC?i; F@GN?RMDFFC MTCP?JNPN?P?RML U M RMAC?PFC?PC? DMP8+; 4@?Q CR PCK MT?JMNCP?RMLQ
- 1CR?JCB ? PCNP?ACK CLRFSK ?L`K ?AF G.C?G.RCP?AC °05 1`?LB ?QMA3?RQB QMNU?PC RM? PC?ARMP@SCBG.EI TCLR?RML ?LB G.C?FSK CLRAML RMOV?CK i; F@U M U F@F U?Q BCJ?CPB ML QAF CBS.J. AMCO? ž K MLF NFMAR ; FCTCLR?RML ?LB G.C?FSK CLRAML RMOV?CK G?L COOLR?JN?RMDFFC COSNK CLRFF?RU GJ@C SOCB RVK MLGMPFC 8. 9 , CAMLR?K G?RML =COOJCR?FSOBSPE BCAN K GOMLGEI
- : SAACODS JVA?FFGB NSRG.RPL?JA?K CP? G.ONCARML MDFC) FEML /?Q\* J?LI CR: VORCK : SPEC 8CR; ?LI fili ; F@U?QFC DORR K C G ?NPNWK ?RMI fi V?PQF?R?LVMDFC R?LI Q F?TC @OCL TGS?JMG.ONCARCB G.RPL?JW?LB NPMTCOT?S?@C G.DMK ?RML DMPFC R?LI PCK MT?JMRMLQ

• **Fuel Cycle Area:**

- , filfifi?AF?CAN K GOMLGE F?Q@OCL ANK NJRCB; F@U?Q? I CVK GORMIC?JMU FFC ANK K CLACK CLRMDBCAN K GOMLGE MNCP?RMLQ
- 1CR?JP?RML MDFC AP?LC MTCPFC, filfiž NMLB F?QAN K CLACB
- ; FC, filžfi 8f A?TCF?Q@OCL ANK NJRCMBGK ?LRQB ?LB U M @LMU @CEGLGE ML FFC QMPO
- ; FC DMK CPNSJCB AVSK L J?@F?Q@OCL BC?A?OQCB, ?LB A?L LMU @?AACOOB G CR?LB?PB D?ARMA M F G.EI ; F@G? EFC?R?AF GTC CLR?QFC?PC? F?B @OCL AMLR?K G?RQB UGF NSRMLSK ?LB PCOSGB ?JNRMDBCAMLR?K G?RML ?LB K CRASJNSQ AFCAI G.E @DMFC GRANSJ @C B A?OQCB

• **Fuels:**

- **Breeder Fuel Removal:** Ł\$ °NSRMDH ° GONK CLRQMD, . 9 NSRMDPC?ARMPESCJF?TC @OCL CSAACODS JVA?LONMFCB RM CJ?DGB

• **Waste:**

- ; FC NFMACOOGE MD, . 9 P?DGE?FC AMLRG.SCOUGF ? RMR?JMDŁ&ž BPSK QLMU ANK NJRC
- , : 94 NCPMLLCJU CFC G.T?CB RMTG@RFFC LCU JMU JCTCU?QRC T?SJR@DMFC MNCP?RMLQ ANK K CLAC Y fili fi NCMJC TG@CB

- : - 8) F?TC?NINPVCB FFC?SFFMRC?RML DMPFC BGNM?JMDMU JCTCU?FC G FFC LCU  
D?AGGV ; FQ?SFFMRC?RML GCS@CARRMAMLBGMLOPC?RGE RVP?BOMLSACBOU GFC FFC  
G.TCLRMPV?LB T?JB?RML MDRFC CDDCARTCLCOO MDRFC N?AI ?EC EFM\$RGE NFMACOO

• **Environmental:**

- **Particles:** ; FC?LLS?JPCNMR?Q@OCL CS@K GRCB RMFC: - 8) SNB?RGE FCK ML FFC  
NFMFCO MDRFC K MLGNRGE BSPGE EfiZi 5 MLGNRGE MD@C?AF COAMLRGE SC?ONCP  
CAF CBSJO

**General**

; FCDMMU GE ?PCELOP?JSNB?RCO

• **Planning:**

- 1 FFCOGEF?LB\*UGC 4MA?J, CTCJMK CLR8?L ; FCOGEF?LB +MSLAG GBLRGGB FFC  
G.RL RML RMNPN?PC ?L SNB?RCB TPCOML MDRFC, MSLFC?VBJ?LLGE. P?K CUMH °, 8. °?Q  
: SNNJCK CLR?PW/ SGB?LAQ 8PCN?P?RML MD, 8. E U?QGAISBOB G FFC) ARML 8FMEP?K K C  
?OAMG?RCB UGE 6?RML?J8?LLGE. P?K CUMH †; FCOGEF?LB +MSLAG F?TC CS@K GRCB?  
PCTGCB TPCOML MD, 8. °, MSLFC?VBJ?LLGE. P?K CUMH E °, 8. E °° UFAF UGI@CGAISBOB  
G FFC: SNNJCK CLR?PW/ SGB?LAC FFC +MSLAG G.RLBORV?BMNR?ON?FRMDRFC, CTCJMK CLR  
8?L G JGC UGE : CARML E E °fi MD; FC; MJL ?LB +MSLRVBJ?LLGE °: AMR?LB”) ARfi&&#  
°) Q) K CLBCB”i
- 1 2?LS?PWEfifZ, ? NJ?LLGE ?NNUA?RML DMPFC +CK CLR?RML 8?LRORVFC CVRLOML F?Q  
@OCL CS@K GRCB RM; FCOGEF?LB +MSLAG ; FCVRLOML UGI F?TC ON?AC DMP E \$fifi  
AMLR?G.CPOMDFEF CP?ARTGVAACK CLR?B U?FC?LB GCVNRCB RM@C SDAGLRVM  
?AANK K NB?RC FFC FCK ?GGE SLFC G.BCB U?FC RM@C NFMBSACB BSPGE FFC  
BCANK K GOMLGE MDRFC GBC ) JMLE UGE CRMP?EC ON?AC GRU GI?JOMGAISBC?L ?FC? DMP  
BPSK G.ONCARMLi

- **Dounreay Castle:** , SPGE PCACLRORV MK QMLC MDRFC U?JQMDRFA?CRC DCJBMULi OGRMRA  
: AMR?LB U?QLMRGB ?LB F?QOACTGRCB RM?O ODRFC B?K ?EC?LB GBLRDMV MU FFC  
CSFMSLBGE ?PC? A?L @CK ?BC?PDD

- ) **Shaft & Silo supplier’s day** U?QFCB G 5 ?LAFCCPML 2?LS?PWS ?LB UCLRU CJ 7 TCI fi  
ANK N?LGO?RRCLBCBi

- , : 94+MK K CPAGJ: CPTACOCFB GQ?LLS?J**Supply Chain event** ML E! . C@PS?PWEfifZ G  
; FSPOM ) LSK @CPMD: CLGMP5 ?L?ECK CLR 8FMCAR +MK K CPAGJ?LB 6, ) PCNFCOCLR?PFCO  
?RRCLBCB UGE MTCPIfifi NOMJC ?RRCLBGE DMK CSNNUAF?Gi

- ; FC **Caithness Science Festival** RMM NPACU/@5 ?PAF ŁŁı ıRU?QCSNNMFCB @MSP: AGLAC  
; CAFLMNEW-LEG.CCPGE ~ 5 ?FQ°: ; -5 " ?K @?Q?BMPQ?LB ?NFCRACQ
- **Visits:** , MSLPC?WAMLRE.SCORV@C MDG.FCPCORVM? LSK @CPMDL?RML?J?LB G.FCPL?RML?J  
MFE?LG?RMLQU GF TGORVMFC CQC R?I GE NU?AC, ?K MLE MFC PQ @MFC +?L?BGL  
/MCPK CLRQ, CN?FRK CLRMD6?FSP?J9COMSPACQ?LB DMK 2?N?L[Q6SAC?P, ?K ?EC  
+MK NCLQ?RML ?LB, CANK K GOMLGE. ?ACR?RML +MMP?RML °6, . "ı

**Staffing**

	FTE Target	FTE Actual/Forecast
Current – DSRL	1068 (LTP)	972.8
Current – ASW	N/A	140

) QMDCLB. C@PS?PVLfifiz

- #ı LCJ CR?FRQ
- ııŽ POCLE?RMLQ
- fı9CRBCK CLR

, MSLPC?W GC9CORMP?RML 4RB  
Ł<sup>LB</sup>) NPGŁfifiz

**GLOSSARY**

Abbreviation	
, ) +9	, ?VQ) U?W+?Q9?FC
, +8	, N\$LFC?W+CK CLR?RML 8J?LR
, : 94	, N\$LFC?W GC 9CORMP?RML 4FB
- 1)	- LTGMK CLR?J K N?AR) OOOOK CLR
-:	- LTGMK CLR?J: R?PK CLR
1*:	FP?BG?CB. SCJ*SDCP: RMC
1+	FP?BG?CB. SCJ+?TC
16.	1AGCLR6MREDA?RML. MK
444 ; 8	4WJ 4CTCJ> ?QC - DDCSLR; FC?RK CLR8J?LR
44>	4WJ JCTCJU?QC
4)	4MR; (K C) AAGCLR
K : T	K GIG CECTFO
6, 8	6?3, GNM?J8J?LR
72<	7 DDCJ 2\$PL?JMDFC - SPANC?L <LGM
769	7 DDC DMP6SAJC?P9CESJ?P
8*7	8?PCLR* MBW7 FE?LQ?RML
8+8	8PMR+MLRM 8PMACBSPC
8.9	8PMR/MC. ?QR9C?ARMP
8.9	8PCBK G?PW ?DRV9CNMR
91 , 79	9CNMRGE MDGHSFCQ, GC?QQ, ?LECFMSQ7 AASFFCLACQ9CESJ?RMLQ
9.)	9?BG?ARFC: S@R LACC) AR
: -8)	: ANRGE - LTGMK CLR8PMR(RML) ECLAV
: 1	: MBSK 1TCLR/V, CORP(RML) 8J?LR
: 919	: MRJ9CAMB?@C 1AGCLR9?FC