DSDG(2015)C063

SCOTTISH GOVERNMENT SCOTTISH NUCLEAR SITES MEETING
5 NOVEMBER 2015

SUMMARY

WELCOME, INTRODUCTION AND APOLOGIES

The following were represented at the meeting:

- 1MFWQJX @YJ \ FWY"?TUJW! @HTYYNXM 5T[JWSRJSY ?FI \ FXYJ YJFR HMFNW #
- ; FWYNS ; FH2TSFQI! @HTYYNXM 5T[JWSRJSY ?FI \ FXYJ YJFR
- 3 \ FS ETZSL! @HTYYNXM 5T[JWSRJSY ?FI \ FXYJ YJFR

Representatives attending include:

- @3>/
- @11=?@ @HTYYNXM 1TZSHNQX 1TRRNYYJJ TS WFINTFHYN[J XZGXYFSHJX
- 1T?D ; 1TRRNYYJJ TS ?FINTFHYN[J DFXYJ ; FSFLJRJSY
- <2/
- 1MFUJQHWTXX XNYJ FSI @@5
- 6ZSYJWXYTS / FSI 0 XNYJX FSI @@5
- 2TZSWJF^ XNYJ FSI @@5
- ATWSJXX
- ?TX^YM
- CZQHFS
- 6 ; <0 1Q^IJ
- <ZHQJFW 4WJJ :THFQ /ZYMTWNY^

<0- =<? FWJ FQXT NS[NYJI GZY INI STY FYYJSI

MINUTES OF LAST MEETING AND UPDATE ON ACTIONS

; NSZYJX \ JWJ FLWJJI#
/QQ FHYNTSX HTRUQJYJI#

SCOTTISH GOVERNMENT POLICY UPDATES

Update on Better Regulation
3SKTWHJRJSY WJLZQFYNTSX FWJ ST \ NS UQFHJ# <J]Y XYJU NX YT IJXNLS FUUQNHFYNTS WJLZQFYNTSX YT HT[JW FQQ \ FXYJ WJLNRJX! SZHQJFW! \ FXYJ! \ FYJW! 7>>1 # BQYNRFYJQ^ XNYJX \ NQQ MF[J TSJ QNHJSHJ FSI TUUTWYZSNY^ YT RTIJWSNXJ QNHJSHJ UWTHJIZWJX# 3]UJHYJI YMFY HTSXZQYFYNTS UFUJW \ NQQ GJ UZGQNXMJI NS ; F^ '%&*#

Update on UK LLW Strategy Review
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7S YJWRX TK UZGQNHFYNTSX YMJ Y \ T @YWFYJLNH 3S[NWTSRJSYFQ / XXJXXRJSY ITHZRJSYX \ MNHM FHHTRUFS^ YMJ XYWFYJL^ FWJ NS YMJNW KNSFQ HTRUQJYNTS XYFLJX# /X F WJXZQY YMJ WJ[NXJI XYWFYJL^ NX J]UJHYJI YT GJ UZGQNXMJI G^ 2311 TS GJMFQK TK YMJ B9 5T[JWSRJSY YTLJYMJW \ NYM IJ[TQ[JI FIRNSNXYWFYNTSX NS YMJ FZYZRS XZGQJHY YT YMJ FLWJJRJSY TK FQQ YMJ WJQJ[FSY B9 / IRNSNXYWFYNTSX FSI YMJNW WJXUJHYN[J ; NSNXYJWX#

Update on UK NORM Strategy Implementation

AMJ TGQJHYN[J TK YMNX XYWFYJL^ NX YT JSXZWJ YMFY B9 <=? ; \ FXYJ HFS GJ INXUTXJI TK XFKJQ^ FSI JKKNHNJSYQ^#

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/ RJJYNSL TK YMJ NRUQJRJSYFYNTS LWTZU NX YT GJ TWLFSNXJI NS <T[JRGJW# =SJ J]FRUQJ TK YMJ \ TWP XYWJFRX NX YMJ UTYJSYNFQ NRUFHY TS <=? ; NSIZXYWNJX KWTR YMJ NRUQJRJSYFYNTS TK YMJ J]JRUYNTS FSI HQJFWFSHJ HWNYJWNF NS YMJ WJ[NXJI 3ZWTUJFS 0FXNH @FKJY^ @YFSIFWIX 2NWJHYN[J 0@@2 # AMJ WJ[NJ\ KTHZXXJX TS F UFWYNHZQFW QNXY TK WFINTSZHQNIJX FSI HT[JWX F SZRGJW TK NSIZXYW^ XJHYTWX#

2311 MFX JSLFLJI F >ZGQNH 6JFQYM 3SLQFSI >63 YT ZSIJWYFPJ YMJ \ TWP FSI UWT[NIJ F WJUTWY G^ (& ; FWHM '%&*#

AMJ NXXZJX HT[JWJI NS YMJ XYWFYJL^ FWJ QTSL YJWR NS SFYZWJ! FSI YMJ XYWFYJL^ NX NSYJSIJI YT XJY TZY F HQJFW UTQNH^ INWJHYNTS KTW RFS^ ^JFWX# 5T[JWSRJSY NSYJSIX YMJ XYWFYJL^ YT JSIZWJ KTW F RNSNRZR TK) ^JFWX FSI \ NQQ HTSXNIJW \ MJS YT WJ[NJ\ YMJ XYWFYJL^ NS QNLMY TK IJ[JQTURJSYX NS <=? ; \ FXYJ FWNXNSLX FSI INXUTXFQ UWFHYNHJX#

SCOTTISH GOVERNMENT HIGHER ACTIVITY WASTE IMPLEMENTATION STRATEGY
; FWYNS ; FH2TSFQI UWT[NIJI F UWJXJSYFYNTS TS UWTLWJXX# @JJ /UUJSIN] &#

NDA STRATEGY III UPDATE
ONQQ 6FRNQYTS! </ TZYQNSJI YMJ UWTHJXX KTW </ @YWFYJL^ 777 J]UQFNSNSL YMFY KZQQ HTSXZQYFYNTS \ TZQI STY YFPJ UQFHJ ST \ ZSYNQ 8FSZFW^# 7Y \ FX QNPJQ^ YMFY YMJ </ GZXNSJXX UQFS \ TZQI HTRJ TZY KTW HTSXZQYFYNTS FWTZSI YMJ XFRJ YNRJ# </ UQFS YT MTQI FS J[JSY NS 8FSZFW^ \ MNHM \ NQQ NSHQZIJ NRUQNHFYNTSX TK YMJ 1TWUTWFYJ @UJSINSL ?J[NJ\ FX \ JQQ FX @YWFYJL^ FSI GZXNSJXX UQFS#

UPDATES
DWNYYJS WJUTWYX \ JWJ UWT[NIJI G^-

SEPA

- 3SKTWHJRJSY RJFXZWJX
- ?JLZQFYNTSX
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- ?FINTFHYN[J DFXYJ / I[NXJW @HMJRJ
- 1MFWLNSL @HMJRJ 1TSXZYQYFYNTS

- 1/@ 1TSXZQYFYNTS
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- ; TB \NYM =<?
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NDA
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- <2/ /SSZFQ ?JUTWY FSI /HHTZSYX
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- <2/ \JGXNYJ RNLWFYNTS YT LT[#ZP
- >M2 GZWXFW^ FUUQNHFYNTSX XTZLMY
- 5JTQTLNHFQ XHWJJSNSL HTSXZQYFYNTS
- BSIJWXYFSINSL WFINTFHYN[J \FXYJ ITHZRJSY UZGQNXMJI
- <2/ 6/D AWJFYRJSY 4WFRJ\TWP UZGQNXMJI
- <2/ XZUUQ^ HMFNS J[JSY '%&)

SITE UPDATES
DWNYYJS WJUTWYX \JWJ UWT[NIJI G^-

- 1MFUJQHWTXX
- 2TZSWJF^
- 6ZSYJWXYTS /
- 6ZSYJWXYTS 0
- ATWSJXX
- ?TX^YM
- CZQHFS
- 6 ; <0 1Q^IJ

DATE OF NEXT MEETING
- ,YM /UWNQ '%&*

ACTIONS ARISING
- 1TU^ TK YMJ UWJXJSYFYNTS TS YMJ 6NLMJW /HYN[NY^ DFXYJ 7RUQJRJSYFYNTS @YWFYJL^ 6/D 7@ GJ NXXZJI FX UFWY TK YMJ WJHTWI TK YMJ RJJYNSL- **complete – see Appendix 1.**

- 2TZSWJF^ YT UWT[NIJ YMJ QNSP YT YMJ <ZHQJFW <7/ HTSKJWJSHJ TS (2JHJRGJW '%&) KTW YMJ NSKTWRFYNTS TK YMJ RJRGJWX # **Complete: http://www.niauk.org/hashtag-nuclear-2015**

- @HTYYNXM 5T[JWSRJSY YT WJVZJXY KTW =<? YT XJSI WJUWJXJSYFYN[J YT KZYZWJ RJJYNSLX

- @HTYYNXM 5T[JWSRJSY YT UWT[NIJ YMJ QNSP YT YMJ WJ[NXJI <FYNTSFQ <ZHQJFW 3RJWLJSH^ >QFSSNSL FSI ?JXUTSXJ 5ZNIFSHJ# **Complete:** MYYUX-$$\ \ \#LT[#ZP$LT[JWSRJSY$UZGQNHFYNTSX$SFYNTSFQ" SZHQJFW"JRJWLJSH^"UQFSSNSL"FSI"WJXUTSXJ"LZNIFSHJ

<0- /Y JSI TK RJJYNSL ?TXX 0FNWI! @HTYYNXM 5T[JWSRJSY 3RJWLJSH^ >QFSSNSL FXPJI KTW KTW\FWI 2@5 IFYJX FX MJ \TZQI QNPJ YT FYYJSI F 2@5 RJJYNSL XTRJYNRJ SJ]Y ^JFW#

APPENDIX 1

Higher Activity Radioactive Waste Draft Implementation Strategy

Martin Macdonald

5 November 2015

www.gov.scot/Publications/2014/12/8263

Contents

- HAW IS development and consultation
- HAW IS Responses – feedback on Strategy
- Scottish Landscape – Key Radioactive Waste partners
- Timeline
- International ILW Disposal Concepts
- Stakeholder & Community Engagement
- Conclusion and Next steps

HAW Policy & Implementation Strategy Development

Policy

- *'Long-term management of higher activity radioactive waste (HAW) should be in near surface facilities'* and as near to the site as possible.
- Ethos of the Scottish Government HAW Policy is that radioactive waste should not be considered "*out of sight, out of mind*"
- Policy includes a commitment to develop an **implementation strategy**

Implementation Strategy

- Support the HAW Policy
- Describes phases of work and roles and responsibilities
- Includes a research statement
- Commitment to develop a siting strategy and stakeholder and community engagement plans
- Seeks to minimise nuclear legacy burden for future generations

Review

- Both the policy and strategy will be reviewed at least every 10 years

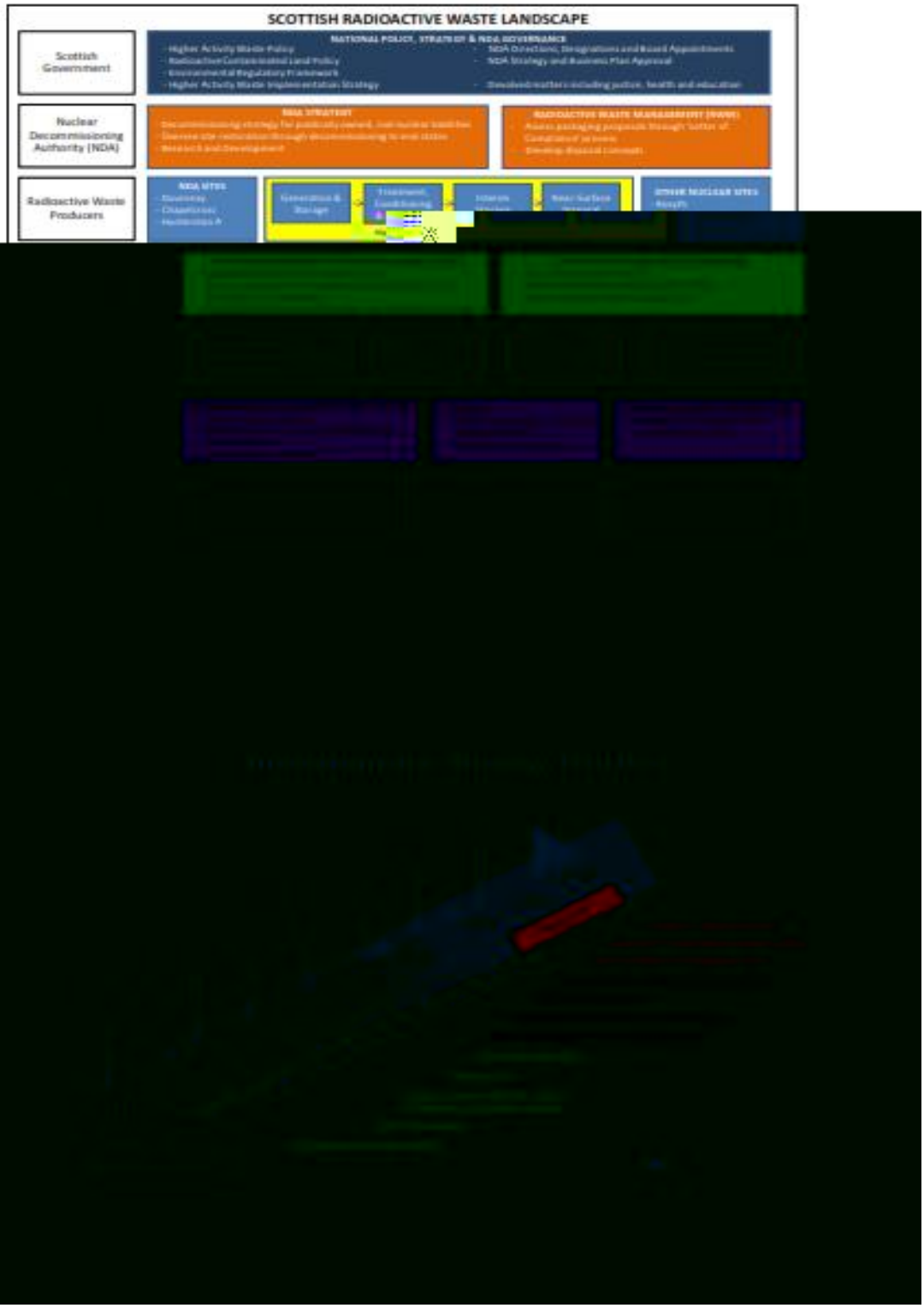
Responses - Strategy

24 responses

Suggested areas for improvement:

- Timescale
- Funding
- Stakeholder engagement / siting strategy
- Managing 'challenging wastes'

2 individuals
Chapelcross SSG
Copeland Borough Council
CoRWM
Dounreay SSG
Dounreay
EDF Energy
HANT
The Highland Council
Hunterston SSG
Magnox Ltd
NDA
NFLA
NIA
NLF
North Ayrshire Council
NuLeaF
Royal Society of Edinburgh
RWM Ltd
SCCORS
SEPA
Stirling Council
West Kilbride Community Council

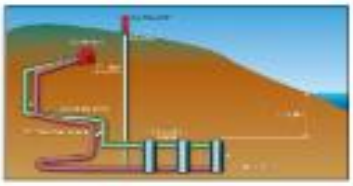

SCOTTISH RADIOACTIVE WASTE LANDSCAPE
Scottish Government
NATIONAL POLICY, STRATEGY & NDA GOVERNANCE
Nuclear Decommissioning Authority (NDA)
NDA STRATEGY
RADIOACTIVE WASTE MANAGEMENT (RWM)
Radioactive Waste Producers
NDA SITES
OTHER NUCLEAR SITES

Examples of International Higher Activity Waste Disposal Concepts

'Disposal could be by emplacement in facilities constructed [...] at least a few tens of meters below ground level and up to a few hundred meters below ground level...'
IAEA SSR-5, Disposal of RW (2011)

France (ANDRA) - ILW with LLW

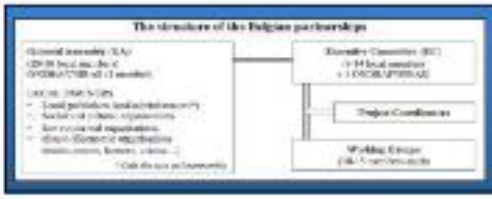
IAEA – BOSS
(BOrehole disposal of Sealed Sources)



Korea - Wolsong LILW Disposal Centre (WLDC)

Stakeholder and Community Engagement

- Strategy will begin process to develop a national stakeholder and community engagement plans
- Siting strategy to be a 'bottom-up' approach and 'acceptance-first & volunteer' methodology
- Develop plans in conjunction with community experts including local authorities, regulators, CoRWM, SCCORS & environmental organisations
- Research communication methodologies including global case studies and community benefits
- Review national and international standards and guidance



In Belgium, and for the case of low-level waste, there is a clear directive from government for the national waste management agency **"to limit its investigations to the four already existing nuclear zones"** although preliminary field studies may also be undertaken in other interested local towns or villages (Vanhove, 2000, *p. 135*).

Conclusions and Next steps

Conclusions

- Strategy is not an end point. Only the beginning of the process.
- Strategy sets out key decision points, timescales and processes
- Aim to protect the environment and reduce burden for future generations
- Further research required, particularly in relation to the challenging wastes and stakeholder engagement
- Scottish Government to work with industry and agencies to help address skills shortages
- Policy and Strategy will be reviewed before 2021

Next Steps

2015

- Aim to publish Implementation Strategy (including consultation response analysis) before end of 2015

2016

- Approve NDA Strategy III by March 2016
- Develop programme of work to implement strategy

2017+

- Begin review of HAW Policy
- Report progress on national radioactive waste policy to European Commission