

Schedule of Documents Supporting NRS/Magnox Ltd Trawsfynydd Site Application to Vary Permit EPR/GB3835DE to Add On-Site Disposal of Radioactive Waste, December 2023

| Short form title | Document title | Authoring Organisation | Magnox Doc. Ref. No. (Contractor Ref. No. in Brackets Where Applicable) | Magnox Issue Status | Principal Relevant Section of Form RSR-C5 |
|---|--|------------------------|---|---------------------|---|
| Statement of Community Involvement | Avison Young, Statement of Community Involvement [for] "Demolition of the Above Ground Ponds Complex Structures; The Permanent Retention of Below-Ground Radioactively Contaminated Structures and of Demolition Arisings (Including Radioactively Contaminated Demolition Waste) Emplaced in Below Ground Voids; and Related Capping and Drainage Works", | Avison Young | TRAWS-23-043 (AY-17C1000085-SCI-01) | Current | N/A |
| Non-technical summary of RSR proposal for OSD | Trawsfynydd Site: Application to Natural Resources Wales for on-site disposal of solid radioactive waste (Ponds Complex structures and other minor structures): Non-technical summary of proposal | NRS (Magnox) | TRAWS-23-041 (English) | Current | 3c |
| Non-technical summary of RSR proposal for OSD (Welsh version) | Safle Trawsfynydd: Cais i Cyfoeth Naturiol Cymru i gael gwared ar wastraff ymbelydrol solet ar y safle (strwythurau Cyfadeiladau y Pyllau a mân strwythurau eraill): Crynodeb annhechnegol o'r cais | NRS (Magnox) | TRAWS-23-041 (Cymraeg) | Current | All |
| Site Development Plan | Site Development Plan | NRS (Magnox) | TRAWS-23-040 | Current | 3c |
| Summary of Provisional R13 Optimisation | Trawsfynydd Ponds Complex Demolition and Disposal: A Summary of the Provisional Optimisation of Disposal Area Configuration | Magnox | TRAWS-23-039 | Current | 4a |
| WMP Head Document | Trawsfynydd Site: 2023 Waste Management Plan Head Document | NRS (Magnox)/GSL | TRAWS-23-038 | Current | 10a |
| WMP Spreadsheet | Trawsfynydd Site: 2023 Waste Management Plan Spreadsheet | Galson Sciences | DD/MISC/0409 | Current | 10a |
| SWESC Head Document | Trawsfynydd Site: 2023 Site-Wide Environmental Safety Case Head Document | NRS (Magnox)/GSL | TRAWS-23-037 | Current | 10a |
| Supporting Statement for Form RSR-C5 | Trawsfynydd Site: Supporting statement for NRW Form RSR-C5 application to vary the radioactive substances activity permit to add on-site disposal of solid radioactive waste (Ponds Complex structures and other minor structures) | NRS (Magnox) | TRAWS-23-036 | Current | All |
| 2023 Trawsfynydd RWMC | Trawsfynydd Site: Radioactive Waste Management Case | Magnox | TRAWS-13-043 | Current | All |
| F-227 options assessment for R13, engineering measures | Trawsfynydd Ponds Complex Demolition and Disposal: Provisional Optimisation of Disposal Area Configuration (Engineering Enhancements) | Magnox | TRAWS-041-022 (F-227) | Current | 4a |
| F-224 options assessment for under-ponds drains 12-16 | Magnox Limited, Trawsfynydd Site: In situ Disposal Configuration of "Dry" Under-Ponds Sampling Drains (Nos. 12 to 16) | Magnox | TRAWS-039-022 (F-224) | Current | 4a |
| F-224 options assessment for R13, structures with no DfaP | Magnox Limited, Trawsfynydd Site: End State Configurations of Below Demolition Cutline Radioactive Structures Within or Associated with the Ponds Complex, For Which No Associated Infilling of Voids by "Disposal for a Purpose" is Proposed | Magnox | TRAWS-029-023 (F-224) | Current | 4a |
| F-224 options assessment for R13, capping features | Magnox Ltd, Trawsfynydd Site: Potential Additional Features of Capping Over Proposed On-Site Disposals within the Ponds Complex Footprint to Minimise Radiological Impacts | Magnox | TRAWS-023-023 (F-224) | Current | 4a |

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| F-224 options assessment for R13, pipe trenches | Magnox Limited, Trawsfynydd Site: Infilling of Pipe Trenches Within and Directly Connected to the Ponds Complex Footprint Prior to Placement of Capping Slab Over Proposed On-Site Disposals | Magnox | TRAWS-022-023 (F-224) | Current | 4a |
| F-224 options assessment for under-ponds drains 1, 2, 8 & 9 | Prevention of input of radionuclides to groundwater from under-ponds sampling drains 1, 2, 8 and 9. | NRS (Magnox) | TRAWS-014-023 (F-224) | Current | 4a |
| 2022 F-226 strategic options assessment for end state of Ponds Complex | Proposed strategic option for the end state of the area encompassing the ponds complex, radioactively contaminated ground, active drains system and other 'lesser' radioactive subsurface features | Magnox | TRAWS-010-021 (F-226) | Current | 4a |
| F-224 options assessment for R13, capping coverage | Magnox Limited, Determination of the Ponds Complex Demolition and Disposal (PCDD) Capping Slab Coverage | Magnox | TRAWS-009-023 (F-224) | Current | 4a |
| F-227 options assessment for under-ponds drains 3-6, 10 & 11 | Magnox Limited, Trawsfynydd Ponds Complex Demolition and Disposal: Provisional Optimisation of Disposal Area Configuration for Under-Ponds Drains Nos. 3, 4, 5, 6, 10 & 11 | Magnox | TRAWS-006-023 (F-227) | Current | 4a |
| PCDD Project Definition | Trawsfynydd Ponds Complex Demolition and Disposal Project Definition (includes references to drawings) | Magnox | TRAWS/L28305/DOC/0019 | Current | 3c |
| PCDD Regulatory boundaries drawing | Ponds Complex Demolition and Disposal Project: Regulated Site Boundaries | Magnox | TRA/3210/LA/47779 | Current | 3c |
| PCDD Disposal Area Drawing | Ponds Complex Demolition and Disposal Project: Disposal Area | Magnox | TRA/3210/LA/47776 | Current | 3c |
| Rad assessment for non-human biota | Trawsfynydd Ponds Complex Demolition and Disposal (PCDD) Project: ERICA assessment of radiological impacts to non-human biota from envisaged on-site disposals and existing contaminated ground. | Magnox | M/EF/TRA/EAN/0002/23 | Current | 7c |
| Strategic Radiological Characterisation Plan | Trawsfynydd Ponds Complex Demolition & Disposal Project: Strategic radiological characterisation plan for candidate end state features of the Disposal Area | Magnox / GSL | DD/REP/0059/21 | Current | 5a, 9a |
| Current water and sediment quality summary | Trawsfynydd Site: Current Quality of Groundwater, Surface Waters and Associated Sediments | WSP | DD/REP/0040/23 (62282528-A01) | Current | 6a & 6b |
| Application Stage Post-Implementation Water Environment Monitoring Plan | Trawsfynydd Site: Ponds Complex Demolition and Disposal Project: Application Stage Post-Implementation Water Environment Monitoring Plan | WSP | DD/REP/0038/23 (70108703.002) | Current | 6a & 6b |
| 2022 Bounding inventory of Ponds Complex etc | Trawsfynydd Site: Bounding Radioactive Inventory of Ponds Complex Structures and Associated Infrastructure | Galson Sciences | DD/REP/0029/22 | Current | 5a, 7a, 7c |
| Rad PA for site-wide end state | Trawsfynydd Site: Radiological Assessment of Natural Evolution, Human Intrusion and Site Occupancy for Potential Site Wide End State Radioactivity | Galson Sciences | DD/REP/0028/23 (2241-4) | Current | 7a |
| GIM User Guide | Generic Intrusion Methodology (GIM) for Radiological Assessment of Nuclear Site End States: GIMv2.1.3 | Eden Nuclear & Environment | DD/REP/0026/22 [ENE-0174/B15/2022/D1] | Current | 7a |
| 2022-23 Site Characteristics Summary | Trawsfynydd Ponds Complex Demolition & Disposal Project: 2022-23 Update of Site Characteristics Summary | Galson Sciences | DD/REP/0025/22 (1631-32) | Current | 3c, 7a, 7c, 8a |

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| Tiered Assessment of Risks to Groundwater from Non-Radiological Pollutants | Trawsfynydd Ponds Complex Demolition and Disposal Project: Tiered Assessment of Risks to Groundwater from Non-Radiological Pollutants | WSP | DD/REP/0021/23 | Current | 8, 4b |
| Hydrogeological Conceptual Model | Trawsfynydd Ponds Complex: Hydrogeological Conceptual Model to Support the demolition and Disposal Project | WSP | DD/REP/0020/23 (WSP 21480599.601/A.2) | Current | 3c, 6b |
| Ponds Complex fingerprints review for OSD | Derivation of Trawsfynydd Ponds Complex fingerprints to support inventory estimation for on-site disposal | Galson Sciences | DD/REP/0017/22 (1631-27) | Current | 5a |
| Non-radiological characterisation approach | Trawsfynydd Ponds Complex Demolition & Disposal Project: Approach to characterisation of non-radiological hazards associated with the candidate end state features of the disposal area | Magnox / WSP-Golder | DD/REP/0010/22 | Current | 4b |
| Rad PA of natural evolution for reference/Base Case DAIS & variants | Trawsfynydd Site: Radiological Assessment of Natural Evolution for the Envisaged Disposal Area Structures — Reference (Base) Case and Variant Cases/Scenarios | Galson Sciences | DD/REP/0009/23 (1631-39) | Current | 7a |
| Rad PA for Site Occupier for DAIS | Trawsfynydd Site: Radiological Assessment of Doses to a Site Occupier from the Envisaged Disposal Area Structures — Base and Variant Cases | Galson Sciences | DD/REP/0008/23 (2241-2) | Current | 7a |
| Rad PA of human intrusion for Base Case DAIS & variants | Trawsfynydd Site: Radiological Assessment of Human Intrusion for the Envisaged Disposal Area Structures — Base Case and Variant Cases/Scenarios | Galson Sciences | DD/REP/0007/23 (1631-37) | Current | 7a |
| NDA SMS Stage A Credible Options for Magnox Reactor Site End States | Stage A - Credible Options: Magnox Reactor Site End States | Magnox | DD/REP/0012/20 | Current | 4a |
| NDA SMS Stage B Preferred Option for Site End State | Trawsfynydd Site - End State Assumptions Determination: Stage B: Magnox Ltd Preferred Option | Magnox | WD/REP/0150/18 | Current | 4a |
| Addendum to Stage B Preferred Option for Site End State | Trawsfynydd envisaged site end state - Stage B: Magnox Ltd preferred strategic option - Addendum | Magnox | DD/REP/0007/21 | Current | 4a |
| Base case for optimisation of DAIS | Trawsfynydd Pond Complex Demolition and Disposal Project: Optimisation - Base Case Option for Disposal Area Interim State Configuration | Magnox | DD/EAN/0044/22 | Current | 4a |
| Summary of Application Design | Magnox Limited, Trawsfynydd Pond Complex Demolition and Disposal Project: Summary Definition of the Application Design | Magnox | DD/EAN/0036/23 | Current | 4a |
| Rad assessment for discrete articles | Trawsfynydd Site: Consideration of Radioactive Articles within the Disposal Area | Galson Sciences | DD/EAN/0010/23 (2241-7) | Current | 7a |
| Rad assessment for potential fuel particles | Trawsfynydd Site: Consideration of Potential Fuel Particles within the Disposal Area | Galson Sciences | DD/EAN/0005/23 (2241-6) | Current | 7a |
| 2022 Bounding inventory of Ponds Complex etc | Trawsfynydd Site: Bounding Radioactive Inventory Spreadsheet for Ponds Complex Structures and Associated Infrastructure | Galson Sciences | DD/CALC/0303 | Current | 5a, 7a, 7c |