

Documents for review

The original application was submitted in 2021, resubmitted in 2022 and again in Sept 2024 after it was returned by NRW. This supporting document includes details that have been updated following feedback received over the past three years in relation to IED permit applications for the anaerobic digestion of sewage sludge across the industry. The table below provides a summary of the stand-alone documents included as part of this application. NRW moved to an online application form and the supporting documents do not correlate with the information requested in the online form for a permit variation. This note has been produced to enable the reader to easily review which documents have been submitted against the questions in the paper format.

Summary of revisions

Document name	Document reference	Question reference	Summary of inclusion
Form Part A	100123523_App_PartA_AFA September 2024	N/A	Resubmitted - Updated to include document name/date changes. Was not part of the Sept 2024 submission due to NRW online application process
Form Part C2	100123523_App_PartC2_AFA September 2024	N/A	Resubmitted - Updated to include document name/date changes. Was not part of the Sept 2024 submission due to NRW online application process
Form Part C3	100123523_App_PartC3_AFA September 2024	N/A	Resubmitted - Updated to include document name/date changes. Was not part of the Sept 2024 submission due to NRW online application process
Form Part F1	100123523_App_PartF1_AFA_September 2024	N/A	Resubmitted - Updated to include document name/date changes. Was not part of the Sept 2024 submission due to NRW online application process
DC Legal Entity Letter	100123523 DC Legal entity January 2025	All	Additional document - Provided as of clarification to confirm that where Dwr Cymru Welsh Water is referenced throughout the report – this should be taken to mean 'Dwr Cymru Cyfyngedig', as per the application form
Details of Directors	100123523_MSD_Directors_AFA September 2024	Part A – Q5a	Up to date at time of resubmission.
Main supporting document	100123523_MSD_AFA_January 2025	Part C2 – Q2b, 3d, Part C3 – Q1a, 1b, 2, 3a, 3b, 3c, 4, 6, Part F1 – Q6	Resubmitted – updated to include wider feedback from NRW and industry.
Relevant Offences	100123523_MSD_RelevantOffences_AFA_September 2024	Part C2 – Q3a	Up to date at time of resubmission
Competency assessment certificates	N/A	Part C2 – Q3b	Retracted, and replaced with Competency Management System.
Competency Management System	100123523_MSD_CMS Cert (Mar 2023) AFA September 2024		Substitutes CoTC assessment certificates – certified since March 2023

Document reference - 100123523_Documentreferences_AFA January 2025

Site Layout and Location Plan	100123523_SiteLayoutPlan_AFA September 2024	Part C2 – Q5a	No change from Sept 2024 submission - Reflects proposed secondary containment, liquor transfer point, liquor sampling point and changes to point source emissions to include air and water.
Drainage Plan	100123523_DrainagePlan_AFA September 2024		No change from Sept 2024 submission – includes plans for the different zones from varying dates.
Site Condition Report	100123523_SCR_AFA September 2024	Part C2 – Q5b, Q5c	No change from Sept 2024 submission
	100123523_SCR_supporting_previous SCR		No change from Sept 2024 submission
	100123523_SCR_AppB_GI_Logs_AFA		No change from Sept 2024 submission
	100123523_SCR_AppB_GI_Results_AFA		No change from Sept 2024 submission
	100123523_SCR_AppC_Envirocheck_AFA		No change from Sept 2024 submission
Environmental Risk Assessment	100123523_ERA_AFA January 2025		Resubmitted – updated to include wider feedback from the NRW and added in the management of firewater
Environmental Constraints Maps	100123523_ConstraintsMaps_AFA September 2024		Addition of human receptor map screening distance increased to 2km.
Air dispersion modelling	100123523_ERA_ADM2009_AFA	Part C2 – Q6	No changes since CHP permit issued, therefore not requiring an update.
Air emissions report	100123523_Afan air emissions reporting for 2023 (Jan 2024)		Additional document - Annual air emissions monitoring for permit compliance reporting (EPR/ZP3032KQ) for 2023 (2024 was not due at time for submission)
Emissions monitoring report	100123523_Afan Emissions monitoring August 2023		Additional document - Emissions monitoring survey report completed in September 2023
Accident Management Plan	100123523_AMP_AFA September 2024	Part C2 – 3d	No change from Sept 2024 submission
Environmental Management System Certificate	10012523_MSD_ISO 14001_AFA	Part C2 – Q3d	Certificate in process of being renewed.
Waste acceptance	100123523_WasteAcceptance_AFA September 2024	Part C3 – Q1b	No change from Sept 2024 submission - Additional document included as part of wider industry and regulator feedback
BAT analysis/assessment	100123523_BAT_AFA September 2024	Part C3 – Q3	No change from Sept 2024 submission - Includes wider industry and regulator feedback.
CIRIA assessment and modelling	B16399-123532-ZZ-XX-AS-ZA-CI1012 - Afan ADBA Assessment October 2024		Additional documents

Document reference - 100123523_Documentreferences_AFA January 2025

	B16399-123532-ZZ-XX-RP-WA-HY1008 - Afan WwTW Sludge Containment Assessment September 2024		Supersedes:
	B16399-123532-XX-AB-MA-ZA-OA0038 - Flood Gates Control Philosophy September 2024		<ul style="list-style-type: none"> • B14411-123532-ZZ-XX-AS-ZA-CI1010 - Afan CIRIA 736 Risk Assessment - Zone 1 (Imported cake silo).xlsx • B14411-123532-ZZ-XX-AS-ZA-CI1011 - Afan CIRIA 736 Risk Assessment - Zone 2 (THP feed silo).xlsx • B14411-123532-ZZ-XX-AS-ZA-CI1012 - Afan CIRIA 736 Risk Assessment - Zone 3 (THP).xlsx • B14411-123532-ZZ-XX-AS-ZA-CI1013 - Afan CIRIA 736 Risk Assessment - Zone 4 (Digesters).xlsx B14411-123532-ZZ-XX-AS-ZA-CI1014 - Afan CIRIA 736 Risk Assessment - Zone 5 (Digested sludge holding tank).xlsx • B16399-123532-ZZ-XX-DR-CA-CI0005.pdf
Leak Detection and Repair Plan	100123523_MSD_LDAR_AFA September 2024		No change from Sept 2024 submission - Additional document included as part of wider industry and regulator feedback
Residue Management Plan	100123523_MSD_ResidueMP_AFA January 2025		Resubmitted – updated to include wider feedback from industry and regulator feedback and information from MSD.
Schematics/Process Flow	100123523_MSD_ProcessFlow_AFA September 2024 100123523_AFA PIDS zone 9 liquor returns well (goes with 100123523_MSD_ProcessFlow_AFA September 2024)	Part C3 – Q3a	No change from Sept 2024 submission No change
Odour Management Plan	100123523_ERA_OdourMP_AFA September 2024		No change from Sept 2024 submission-
Odour Impact Assessment	100123523_OdourIA (Sept 2022) AFA September 2024 100123523_OdourMeasurement (May 2022) AFA September 2024 100123523_OdourModel_Baseline (May 2022) AFA September 2024	Part C3 – Q3b	No change from Sept 2024 submission No change from Sept 2024 submission No change from Sept 2024 submission

Document reference - 100123523_Documentreferences_AFA January 2025

	100123523_OdourModel_Mitigation (Aug 2022) AFA September 2024		No change from Sept 2024 submission
Noise Impact Assessment	100123523_Noise Impact Assessment Technical Note_AFA September 2024		No change from Sept 2024 submission
Bio-aerosol Risk Assessment	100123523_BioRA_AFA September 2024		No change from Sept 2024 submission - Technical note screening out the need for one to be produced
Material Safety Data Sheets	100123523_MSD_COSHH_AFA September 2024	Part C3 – Q3c	No change from Sept 2024 submission - also included in Appendix C of AccidentMP and referenced in ResidueMP
Sampling proposal	100123523_SamplingPlan_AFA September 2024	Part C3 -Q4	No change from Sept 2024 submission - Additional document included as part of wider industry and regulator feedback
Authorisation letter	100123523_MSD_AuthorisationLetter_AFA January 2025 (NRW letter of authorisation for permitting matters)	Part F1	Updated due to change of Company Secretary
Charging tool	100123523_MSD_Charge Banding_AFA September 2024		No change from Sept 2024 submission - Changed from OPRA to new charging tool