

# Improvement Programme Update



Year: 2023

Site: Ghallis

Date of last update: 25.01.2023

Ref.	Requirement	By when	Status	Status Update
			Open / Close	
21	The installation of chain link fence according to Schedule 4.	To be installed by end December 2019	Closed	Installation of chainlink fence completed. Notification was sent to ERA on 17.08.2021.
22	Proposal for leachate treatment which excludes recirculation.	End of June 2020	Open	Evapotranspiration still in place and used. WasteServ is looking into implementing other solutions. More detail shall be provided in a future exchange with ERA.
23	Implementation and commissioning of leachate treatment system in accordance with the proposal approved in No. 22 above.	End December 2022	Open	See pt. 22.
24	Monitoring proposal covering the landfill and the surrounding valley system in order to assess the integrity of the engineered lining system.	Within 6 months of granting of the permit	Open	WasteServ is consolidating the detail provided in emails exchanged. Proposal shall be provided in a future exchange with ERA.
25	As built drawing of the upgraded gas management system covering the whole site.	End December 2022	Open	In light of the (upcoming) vertical extension variation, the gas network needs to be re-designed. Such design would need to be validated with a test gas well which is installed and monitored for a whole month for gas quantity and quality. It is recommended that this deliverable is shifted for the future and monitored via a future Improvement Programme item.
26	Submission of Closure plan in accordance with the requirements of The Landfill Regulations, S.L. 549.29 including a proposal for aftercare monitoring to the Authority for approval.	End October 2020	Open	In light of the (upcoming) vertical extension variation, an updated closure plan can be submitted as part of a future Improvement Programme Item.
27	(a) Proposal on how any potentially contaminated run-off from the vehicle refuelling area shall be contained and kept separate from clean rainwater at all times. (b) Certification form a third party engineer or architect describing the implementation of (a).	(a) Within 1 month of granting of the permit. (b) Within 4 months of granting of the permit.	Closed	Authorisation (FDR 42) by REWS was attained for the black towable containers. In order to prevent spills, procedure was drafted, personnel trained, and collapsible spill trays sourced.
28	Submission of a complete application for the storage of liquid fuels to the Regulator for Energy and Water Services.	Within 6 months of granting of the permit.	Closed	It is envisaged that there will not be any stationary fuel storage (refer to Improvement Programme Item Pt. 27), hence this improvement does not apply any more.

29	Proposal for compliance testing of any type of specific waste stream which is being accepted at the landfill that exceeds the 5% by mass of the total percentage of incoming waste. Such testing shall be in accordance with Section 1.2 of Council Decision 2003/33/EC Council Decision of 19 December 2002 establishing criteria and procedures for the acceptance of waste at landfills pursuant to Article 16 and Annex II of the Landfill Directive 1999/31/EC and shall consist of at least a batch leaching test and shall be carried out at least once a year. ERA shall be notified prior to any such sampling exercise.	Within 6 months of granting of the permit.	Closed	Methodology finalised as per Revision 06 (05.08.2022).
30	Construction of the quarantine area in accordance with conditions in Table 3.4.16 (b) and approved document IP 001/06/C/DOC2 in the location specified in IP 0001/06/C/DOC3.	Within 6 months of granting of the permit.	Closed	Quarantine area in place as previously communicated to ERA.
31	Installation of alternative equipment/infrastructure (other than existing litter nets) to control litter from escaping off-site.	End of June 2020	Closed	x6 new landfill litter nets were installed at Ghallis.
32	Installation of catalytic converter as abatement to emissions generated by the landfill gas powered-plant.	End of December 2020	Closed	Messrs. Biogas Control Service explained that silicon compounds have the potential to destroy a catalytic converter in a very short time, thus making the investment highly questionable. Correspondence sent to ERA on 27.04.2021. Catalytic converter not considered suitable for this circumstance. Through this entry, WasteServ is hereby requesting that this improvement programme is closed off.
33	(a) Submission of proposal for the installation of a system for real-time monitoring of temperatures within the landfilled waste mass as per condition 3.10. (b) Implementation of such a system.	(a) Within 10 months of granting of the permit. (b) Within 24 Months of granting of the permit	Closed	A thermal survey methodology was submitted to ERA on 27.05.2021.