

# Appendix 5

## Site Walkover Checklist & Photographs

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# Checklist

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## Cartron Big Walkover Survey Checklist – 26<sup>th</sup> June 2018

Information	Checked	Comment (include distances from site boundary)
1. What is the current land use?	√	The site is vegetated with grassland is currently under agricultural use.
2. What are the neighbouring land uses?	√	<p><b>North:</b> The L1071 road and an agricultural field bound the north of the site.</p> <p><b>South:</b> Agricultural fields.</p> <p><b>East:</b> Clooncoose Stream</p> <p><b>West:</b> The L3538 road to N4 and agricultural fields.</p>
3. What is the size of the site?	√	The site occupies approximately 4.0 hectares.
4. What is the topography?	√	The countryside surrounding the site is gently undulating. There is a gentle gradient across the site from southeast to the north/northwest toward the Clooncoose stream.
5. Are there potential receptors (if yes, give details)?	√	<p>The Clooncoose stream forms the eastern site boundary, seepage of leachate into the stream was observed.</p> <p>There are houses within 200m of the site.</p> <p>Bedrock Aquifer is classified as a locally important aquifer which is moderately productive and highly to extremely vulnerable to contamination.</p>
Houses	√	There are no houses within 200m of the site boundary.
Surface water features (if yes, distance and direction of flow)	√	The Clooncoose stream forms the eastern site boundary and flows from southeast to northwest.
Any wetland or protected areas	√	None.
Public water supplies	√	A public water supply borehole is located approximately 1 km to the east of the site.
Private wells	√	There are no private wells located with 1km of the site.
Services	√	None identified.
Other buildings	√	Two derelict buildings exist onsite. A small security/weighbridge hut and a derelict farm house.
Other	√	N/A
6. Are there any potential sources of contamination (if yes, give details)?	√	Leachate seepage from shallow waste body into the Clooncoose stream.

Information	Checked	Comment (include distances from site boundary)
Surface waste (if yes, what type?)	√	No
Surface ponding of leachate	√	The site is known for becoming waterlogged in many places, but no ponding was observed during this visit.
Leachate seepage	√	Possible leachate seepage into the Clooncoose stream was observed i.e. red oxide staining to stream bed at two locations
Landfill gas odours	√	No
7. Are there any outfalls to surface water? (If yes, are there discharges and what is the nature of discharge?)	√	Possible leachate seepage into the Clooncoose stream was observed i.e. red oxide staining to stream bed at two locations
8. Are there any signs of impact on the environment? (If yes, take photographic evidence)	√	See Photographic Log
Vegetation die off, bare ground	√	No
Leachate seepages	√	Red oxide staining to stream bed at two locations. See Photographic Log
Odours	√	No
Litter	√	No
Gas bubbling through water	√	No
Signs of settlement	√	Yes, signs of settlement and subsidence were evident, in particular close to the southern site boundary.
Subsidence, water logged areas	√	Within the site, localised subsidence has occurred where waste has settled over time. Areas prone to waterlogging across the site, mainly along the eastern site boundary.
Drainage or hydraulic issues	√	Evidence of localised areas of waterlogging and poor drainage.
Downstream water quality appears poorer than upstream water quality	√	Red oxide staining to stream bed at two locations
9. Are there any indications of remedial measures? (Provide details)	√	Surface water biological quality is monitored at the north-eastern site corner – Cartron Bridge – by the EPA and its status is classified as Good. It is also classified as Good at the next monitoring point 2.5 km downstream.
Capping	√	Yes, the waste body is reported to have been capped with bark, shale and a soil cap.

Information	Checked	Comment (include distances from site boundary)
Landfill gas collection	√	Yes, there are a series of landfill gas vents across the site which appear to be passive. There does not appear to be a landfill gas collection system in place.
Leachate collection	√	No.
10. Describe fences and security features (if any)	√	<p>The eastern site boundary is formed by the Clooncoose stream, with brambles and small beech trees on the opposite bank.</p> <p>Along the northern site boundary with the L1071 the site boundary is formed by an open hedgerow of small trees and brambles with a drainage ditch running from west to east toward the Clooncoose stream.</p> <p>The western site boundary with the L3538 roadway is dense bramble, elder and hawthorn hedge. Access gates from the L3538 are padlocked.</p> <p>Along the southern site boundary is a 2 m chain link fence with concrete posts.</p>
Any other relevant information?	√	No.

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# Photolog

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# PHOTOGRAPHIC LOG

Consultants in Engineering  
and Environmental Sciences

www.fehilytimoney.ie



**Client Name:**

Longford Co. Co.

**Site Location:** Cartron Big Landfill

**Project Number:** P1444

**Photo No.**

1

**Date:**

26-06-18

**Description:**

Main site entrance gates  
from L3538 road.



**Photo No.**

2

**Date:**

26-06-18

**Description:**

Derelict security hut near  
main entrance gates.



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**Client Name:**  
Longford Co. Co.

**Site Location:** Cartron Big Landfill

**Project Number:** P1444

**Photo No.** 3  
**Date:** 26-06-18

**Description:**  
Derelict building  
along western  
boundary and near  
to concrete  
hardstand area.



**Photo No.** 4  
**Date:** 26-06-18

**Description:**  
View showing poorly  
draining grassland  
conditions prone to  
waterlogging along  
the eastern side of  
the site.





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**Client Name:**  
Longford Co. Co.

**Site Location:** Cartron Big Landfill

**Project Number:** P1444

**Photo No.**  
5

**Date:**  
26-06-18

**Description:**

View showing discoloration to the Clooncoose Stream near the eastern portion of the landfill (possible evidence of leachate seepage from the landfill)



**Photo No.**  
6

**Date:**  
26-06-18

**Description:**

Another view discoloration (red staining) to the Clooncoose Stream near the eastern portion of the landfill (possible evidence of leachate seepage from the landfill)



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**Client Name:**  
Longford Co. Co.

**Site Location:** Cartron Big Landfill

**Project Number:** P1444

**Photo No.**  
7

**Date:**  
26-06-18

**Description:**  
View showing area of Clooncoose Stream in north-eastern corner of landfill.



**Photo No.**  
8

**Date:**  
26-06-18

**Description:**  
Existing gas venting system installed within landfill cap.



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**Project Number:** P1444

**Photo No.**

9

**Date:**

26-06-18

**Description:**

View showing the discharge location of iron precipitate entering the Clooncoose Stream from the field north of the landfill. Possibly a preferential pathway to North-North East.



**Photo No.**

10

**Date:**

26-06-18

**Description:**

Evidence of land subsidence towards the southern site boundary

