

Appendix V

Site Walkover Checklist & Photographs

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Ballymulvey Walkover Survey Checklist – 26th June 2018

Information	Checked	Comment (include distances from site boundary)
1. What is the current land use?	√	Approximately 50% of the site occupied by the waste body which is made up of two profiled & capped landfill mounds covered in vegetation. An open water lagoon area which is inundated with vegetation is situated along the eastern boundary of the site.
2. What are the neighbouring land uses?	√	<p>North: The L1121 roadway.</p> <p>South: undeveloped bog and woodland with agricultural land further south</p> <p>East: undeveloped bog with Cloonkeen Woods further east.</p> <p>West: open field with N55 further west.</p>
3. What is the size of the site?	√	The site occupies approximately 4.3 hectares.
4. What is the topography?	√	The area is generally quite flat, undulating between 50 m and 60 m above Ordnance Datum (OD). There is a gentle topographic gradient from north/north-east to south/south-west, generally towards the River Inny to the south of the site.
5. Are there potential receptors (if yes, give details)?	√	<p>Lagoon in the southern portion of the site; abundant reed growth within the lagoon.</p> <p>Further south, maps indicate that there are land-drains across agricultural land/bog to the north-west and south-east. It appears that these land-drains feed into a tributary of the River Inny, 700 m west of the site.</p> <p>There are houses within 400m of the site.</p> <p>Bedrock Aquifer is classified as a locally important aquifer which is moderately vulnerable to contamination.</p>
Houses	√	There are houses within 200m of the site boundary.
Surface water features (if yes, distance and direction of flow)	√	At its closest point the River Inny is 900 m south of the site. The River Inny flows from north-east to south-west along the south-eastern boundary of Cloonkeen Woods. Approximately 1.5 km south-east of the site the flow direction of the River Inny changes course to a more westerly direction.
Any wetland or protected areas	√	Land to the south of the site is boggy woodland, with bog also present to the east. The bog is described on some maps as cutaway, however no cutting faces were observed, the bog was covered in heather, it

Information	Checked	Comment (include distances from site boundary)
		is not a designated protected area. There is no NHA/SPA/SAC within a 5 km radius of the site.
Public water supplies	√	None.
Private wells	√	Well records indicate a well from the nineteenth century located within 1.15 km south of the site, not known if it is still in use.
Services	√	None, overhead electricity/telecom cables along the roadway.
Other buildings	√	None.
Other	√	N/A
6. Are there any potential sources of contamination (if yes, give details)?	√	None observed.
Surface waste (if yes, what type?)	√	No
Surface ponding of leachate	√	None observed.
Leachate seepage	√	None observed.
Landfill gas odours	√	Odours identified from groundwater boreholes GW03 and GW01.
7. Are there any outfalls to surface water? (If yes, are there discharges and what is the nature of discharge?)	√	Standing water level in the perimeter cut-off drain and lagoon was observed to be very high (at ground level); potential for overflow/seepage from lagoon to cut-off drain. Seepage southwards/south-westwards from cut-off drain to boggy woodland south of the site was observed.
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	√	None observed.
Odours	√	From gas vents and groundwater monitoring wells GW01 and GW03.
Litter	√	No
Gas bubbling through water	√	No
Signs of settlement	√	No
Subsidence, water logged areas	√	No
Drainage or hydraulic issues	√	Evidence of localised areas of waterlogging and poor drainage.
Downstream water quality appears poorer than upstream water quality	√	N/A

Information	Checked	Comment (include distances from site boundary)
9. Are there any indications of remedial measures? (Provide details)	√	Capping Landfill Gas Collection Leachate Collection
Capping	√	Yes, the waste body is reported to have been capped with a soil cap.
Landfill gas collection	√	Yes, several gas monitoring points were observed during the site walkover, no vents observed.
Leachate collection	√	Yes, a series of gravel filled land-drains within the waste mounds draining to a toe-drain around the perimeter of the landfill. Unclear to where leachate in the toe-drain discharges.
10. Describe fences and security features (if any)	√	Along the site boundary with the L1121 roadway is a 2 m chain link fence with concrete posts, a laurel hedge grows along the length of the roadside boundary. Access is through double gates onto the L1121 which are padlocked. Around the other three sides of the site, the boundary is a 1.2 m chain link fence with concrete posts. There is access via a stile across the fence between the site and the field in the west. The open cut-off drain runs inside the perimeter fence.
Any other relevant information?	√	No.

PHOTOGRAPHIC LOG

Consultants in Engineering
and Environmental Sciences

www.fehilytimoney.ie



Client Name:
Longford Co. Co.

Site Location: Ballymulvey Landfill

Project Number: P1444

Photo No.

Date:

1

26-06-18

Description:

Main site entrance gates
from L1121 road.



Photo No.

Date:

2

26-06-18

Description:

View from the top of Bund
No.1 over to Bund No. 2.



PHOTOGRAPHIC LOG

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Client Name:
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Photo No.

Date:

3

26-06-18

Description:

Old groundwater monitoring borehole BH2 flush with ground and no well head or concrete plinth.



Photo No.

Date:

4

26-06-18

Description:

View showing lagoon to the south of the landfill with overgrown vegetation.



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Client Name:
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Photo No.
5

Date:
26-06-18

Description:
View showing evidence
of perimeter drainage
installed along the cap



Photo No.
6

Date:
26-06-18

Description:
View showing leachate
monitoring well BH6
installed within Bund
No. 1.



PHOTOGRAPHIC LOG

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Client Name:
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Project Number: P1444

Photo No.
7

Date:
26-06-18

Description:
View showing one of
the gas vents.



Photo No.
8

Date:
26-06-18

Description:
View showing perimeter
cut-off drain along
western side of Bund No.
2.



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Photo No.
9

Date:
26-06-18

Description:
View showing slope
down from Bund No. 2
towards lagoon.



Photo No.
10

Date:
26-06-18

Description:
View showing location of
surface water monitoring
point SW-C to the south-
west of the site.
Woodland in background
divides landfill from
agricultural fields.



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Client Name:
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Site Location: Ballymulvey Landfill

Project Number: P1444

Photo No.
11

Date:
26-06-18

Description:

View showing old groundwater monitoring borehole BH1 near the L1121 roadway.



Photo No.
12

Date:
26-06-18

Description:

View showing location of surface water monitoring point SW-G, the tributary stream of the River Inny.

