

**SORENSEN**

## Monthly Site Environmental Audit

SPILL CONTROL  
OIL  
ABSORBENT  
GRANULES

INVASIVE  
PLANT  
SPECIES  
AREA



## Glanmire Flood Relief Scheme

02/04/24 To 26/04/24

## ENVIRONMENTAL AUDIT

Details			
<b>Project:</b>	Glanmire Flood Relief Scheme		
<b>Auditor:</b>	SD/LD	<b>Audit Period:</b>	April
<b>Locations Audited:</b>	All sites.		

**Week Commencing 2<sup>nd</sup> April****Comments/Observations**

- Builders Holidays – two crews active, POD Yard and New Line. Good environmental practices observed.
- KF monitoring – no evidence of nesting
- Three fish guards for instream pumping activity obtained (Fig. 1).

**Week Commencing 8<sup>th</sup> April****Comments/Observations**

- Permit to pump water issued to nightworks crew – Hazelwood SC.
- Permit to pump water issued to New Line crew
- Permit to pump water issued to crew at R615
- Permit to pump issued to CVV crew.
- Good use of spill trays sitewide. (Fig. 2)
- Bat boxes installed – Bleach Hill/Cuil Chluthair (Fig. 3)
- Env Tour 009 – housekeeping at Copper Valley, gully may require cleaning at Meadowbrook
- KF monitoring – no evidence of nesting
- Dewatering activity monitored daily – turbidity/pH.

**Week Commencing 15<sup>th</sup> April****Comments/Observations**

- Siltation incident @ Meadowbrook/Riverstown Bridge – Saturday 13/04/24. Incident Report submitted to client 24/04/24
- Clearance works commenced @ New Line to enable the Glenmore stream diversion. All vegetated areas surveyed for nesting birds prior to works. (Fig. 4)
- Contaminated material from POD yard removed and disposed of to a licensed facility by Enva.
- Camera monitoring of Otter holts/couch commenced 16/04/24 – no otter sightings to date.
- Active Dipper nest located in Cois Na Gleann culvert – NPWS consultation completed 18/04/24 and further consultation completed 22/04/24 – 5m buffer implemented around stream until 01/05/24.
- Electrofishing course by IFM completed by SD. 20-21/04/24
- Dewatering activity monitored daily – turbidity/pH.

**Week Commencing 22<sup>nd</sup> April****Comments/Observations**

- 4no. sondes installed – two @ Cois na Gleann, 2 @ Springmount. Alarm set to trigger at 21NTU difference between upstream and downstream sondes as per WR and correlation equation.
- Dipper nest checked Mon 22/04/24 – no chicks present.
- Env Tour 010 – housekeeping
- Dipper nest checked Fri 26/04/24 – no chicks present.
- Dewatering activity monitored daily – turbidity/pH. (Fig. 5)

**Ecological Licenses Schedule****GFRS – Ecological Licences**

<b>ECOLOGICAL FEATURE</b>	<b>LICENCE TYPE</b>	<b>STATUS</b>	<b>START DATE</b>	<b>EXPIRY DATE</b>
<b>Badgers</b>	Derogation	Not Required	N/A	N/A
<b>Bats</b>	Derogation	Not Required	N/A	N/A
<b>IAPS</b>	Transport - JKW	Active	02/01/2024	31/06/2024
<b>Otters</b>	Derogation	Active – Holts N2 & N6	22/02/2024	31/12/2024
<b>Otters</b>	Photograph/Film Wild Animals	Active	01/04/2024	31/10/2024

Action	Assigned to	Action Close Out Date
Water Quality monitoring – Sitewide	SD	Ongoing
Update Permit to Pump system	SD	17/05/24
Silt Control/Mgmt – Cois Na Gleann culvert installation	SD	Ongoing

May Look Ahead	
Area	Activity/Sensitive Feature
Sallybrook/Eurofins	Clay bund (weather permitting) – Japanese knotweed. Sheet piling (awaiting VEP approval) – noise/vibration. Outfall (Eurofins) – silt control
Funeral Home	Drainage line – ground/surface water management
Meadowbrook	Outfall – pumping as outfall design doesn't work
Copper Valley	Ground/surface water management
New Line	Ground/surface water management
Cois Na Gleann	Culvert installation – silt management

Audit Acceptance/Sign-Off	
Auditor Signature	Site Representative Signature
S. Dale L. Dolan	M. Snow

**Space provided on following pages for Figures**



**Figure 1**

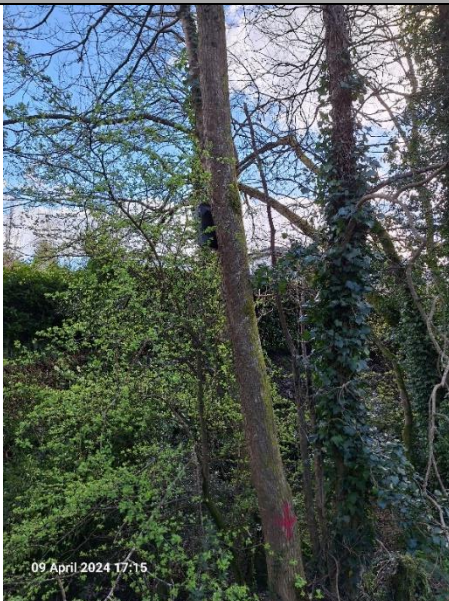
**Caption 1**   **Section**   **W/C 2/4/24**

Fish guards for pumps.

**Figure 2**

**Caption 2**   **Section**   **W/C 8/4/24**

Use of spill pad under generator during pumping activity – New Line.

**Figure 3**

**Caption 3**   **Section**   **W/C 8/4/24**

One of two bat boxes erected – Cuil Cluthair

**Figure 4**

**Caption 4**   **Section**   **W/C 15/4/24**

Vegetation clearance for Glenmore stream diversion. Area surveyed for nesting birds prior to



## ENVIRONMENTAL AUDIT

Figure 5

Discharge Water Quality Monitoring – April 2024 (GFRS)

DATE	LOCATION	TIME	TURBIDITY	pH	SIGNS OF EROSION?	SIGN OF OILS/GREASE?	COMMENT
4/4/24	F. Home	11:00	0.39	7.39	no	no	
8/4/24	CVV	9:15	370	7.15	no	no	Heavy Rainfall → Glenmoge stream = 420 NTU
	F. Home	10:00	20.3	7.00	no	no	
9/4/24	CVV	16:00	18.3	7.65	no	no	
	F. Home	16:15	2.41	7.16	no	no	
10/4/24	CVV	9:30	3.56	7.41	no	no	
	F. Home	10:30	4.05	7.28	no	no	
11/4/24	CVV	9:00	2.65	7.39	no	no	
12/4/24	F. Home	11:30	0.29	7.31	no	no	
15/4/24	CVV	9:00	1.36	7.59	no	no	
	F. Home	9:05	0.38	7.24	no	no	
16/4/24	CVV	9:00	1.97	7.67	no	no	
	F. Home	9:30	1.01	7.32	no	no	
17/4/24	CVV	10:00	4.63	7.68	no	no	
	F. Home	10:20	1.20	7.00	no	no	
18/4/24	Meadowbrook	13:00	—	—	—	—	Pumps not active
	F. Home	13:15	5.21	7.59	no	no	
23/4/24	Meadowbrook	12:50	4.01	7.47	no	no	
	F. Home	13:15	1.80	6.98	no	no	
24/4/24	F. Home	13:50	1.19	7.01	no	no	
	Meadowbrook	14:10	3.21	7.51	no	no	
25/4/24	Meadowbrook	10:25	5.39	7.21	no	no	
	F. Home	10:35	1.92	7.07	no	no	
26/4/24	Meadowbrook	9:30	5.82	7.30	no	no	
	F. Home	11:30	1.23	7.02	no	no	

Caption 5 Section N/A

Water quality monitoring – April 2024

