

## TECHNICAL KNOWLEDGE

Although Roadstone's principal business interest in Ireland is in aggregate production and manufacture of construction products and road surfacing materials, it has progressively grown a waste management business in recent years which offers waste recovery solutions and outlets for construction generated wastes (principally soil and stone, ready-mixed concrete and concrete products), both for its own operations and for trusted customers.

All of Roadstone's waste recovery outlets are co-located at existing extractive and/or concrete production sites and as such, they are often complementary to its established core businesses and provide an opportunity to achieve significant operational and environmental synergies and efficiencies (including in areas such as fuel and energy consumption, management of emissions, use of shared infrastructure etc.).

## LICENSED WASTE RECOVERY FACILITIES

At the present time, Roadstone is backfilling and restoring a small number of its former pits and quarries under EPA licence using imported inert soil and stone waste. The company currently operates licensed soil recovery facilities at the following locations:

- Fassaroe Pit, near Bray, Co. Wicklow (Waste Licence Ref. No. W0269-01);
- Milverton Quarry, near Skerries, Co. Dublin (Waste Licence Ref. No. W0272-01)
- Huntstown Quarry, north of Finglas in Dublin (Waste Licence Ref. No. W0277-03); and
- Brownswood Quarry, near Enniscorthy, Co. Wexford (Waste Licence Ref. No. W0280-01),
- Garryhesta Pit, Ballincollig, Co. Cork (Waste Licence Ref. No. W0299-01); and

Roadstone has also secured planning permission in respect of another soil recovery facility at Calary Quarry, near Kilmacanogue, Co. Wicklow. An EPA Licence was issued in November 2019 (Waste Licence Ref. No. W0293-01) and the facility is expected to commence operations in 2022. The company also recently secured planning permission and was awarded an EPA waste licence for an additional soil recovery facility in Cork, at Middleton Quarry (Waste Licence Ref. No. W0307-01).

At two of the licensed waste sites, at Fassaroe and Huntstown, where there is also a co-located concrete production facility where the EPA waste licence also provides for the importation and recovery of construction and demolition (C&D) wastes by way of crushing and screening in order to produce recycled aggregates for concrete production and re-use in road foundation (subject to compliance with End of Waste obligations).

## PERMITTED WASTE RECOVERY FACILITIES

In addition to the two C&D waste recovery facilities at licenced sites, Roadstone operates similar facilities at 8 other locations across the State, all of which are regulated by way of a Local Authority waste facility permits and co-located at established concrete production plants and active (or former) quarries. At the present time, Roadstone operates permitted C&D waste recovery facilities at the following locations :

- Ballygarvan Quarry, Co. Cork – Permit Ref. No. WFP-CK-10-0068-03
- Belgard Quarry, Tallaght, Dublin 24 – Permit Ref. No. WFP-DS-11-0005-03
- Bunratty Quarry, Co Clare – Permit Ref. No. WFP-CE-15-0002-02
- Carrigtohill Quarry, Co. Cork – Permit Ref. No. WFP-CK-15-0154-01
- Classis, Ballincollig, Co. Cork – Permit Ref. No. WFP-CK-15-0155-01
- Killough Quarry, Co. Tipperary – Permit Ref. No. WFP-T-15-0001-01

- Kilmacow Quarry, Co. Kilkenny – Permit Ref. No. WFP-KK-15-0008-02
- Slane Quarry, Co. Meath – Permit Ref. No. WFP-SD-15-0002-02.

All of the above facilities have been operated in accordance with existing Local Authority planning permissions and relevant waste consents since they commenced operations and none have been subject to any reviews or investigations by the overseeing Local Authority or the EPA.

### PERSONNEL

The Facility Manager at the existing waste recovery facility at Huntstown is LEONARD GROGAN, who also acts as recycling manager for the wider company, responsible for the technical / compliance aspects of all licensed and permitted waste facilities. He has been responsible for the day-to-day management of the recovery facility at Huntstown since it was first licensed by the EPA in 2015.

Leonard holds a National Certificate in Applied Chemistry and Degree in Analytical Science (both from Carlow IT), Diplomas in Quarry Engineering and Asphalt Technology (Doncaster College, UK) and a Diploma in Project Management (Griffith College).

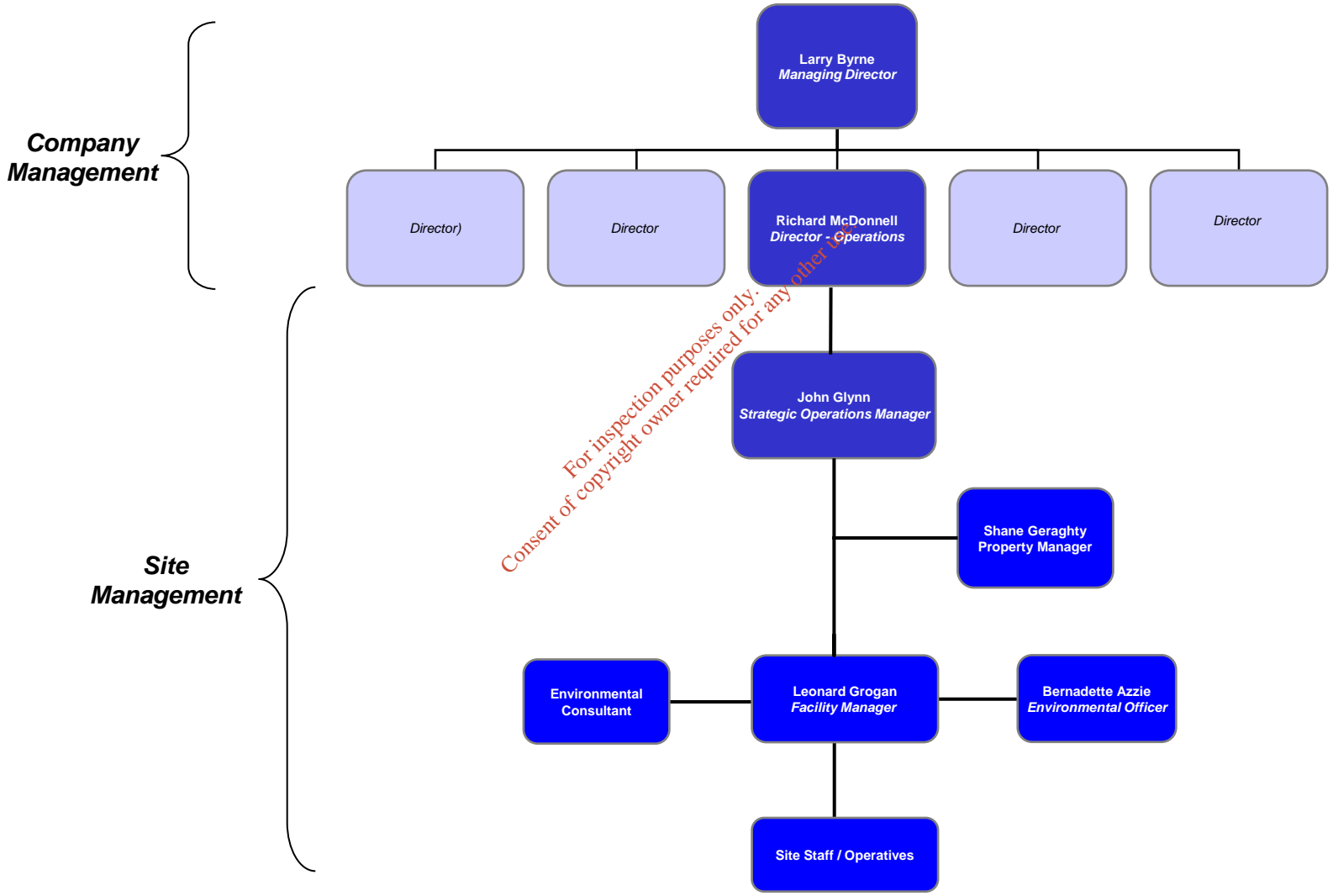
The deputy site manager at Huntstown is OWEN MCGRATH. He holds a degree in Marine Science in (University of Ulster, Coleraine), Diploma in Mineral Extractive Studies (University of Derby, Derby) and QQi Level 6 Supervisory Management (DDLETB Tallaght Training Centre).

Leonard and Jemma have the following roles and responsibilities in respect of day-to-day management and operation of the existing permitted waste recovery facility at the application site:

- Liaison with Regulatory Authorities;
- Ensuring Compliance with Waste Licence Conditions;
- Management of Staff (including consultants), Contractors, Plant and Human Resources
- Waste classification and testing;
- Establishment and monitoring of waste handling and acceptance procedures;
- Environmental monitoring

A copy of the existing / future site management structure at the Huntstown waste recovery facility is attached.

# Huntstown Quarry Waste Recovery Facility Management Structure



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