

# CIRCULAR ECONOMY

Monitoring and Implementing the Change to a Circular Economy

**Róisín Griffin** Inspector, EPA IAT 2024





# **CIRCULAR ECONOMY PROGRAMME 2021 - 2027**

### 1. Evidence

Reporting of national statistics, green public procurement and behavioural insights studies

### 2. Collaboration

Implementation of circular economy (partnerships, funding supports, coordination of actions to address hazardous waste)

# 3. Regulation

End-of-waste, by-products and waste-sector licensing



### **OUR PRIORITY AREAS:**









## OFFICE AND PROGRAMME STRUCTURE

❖ Office of Environmental Sustainability

Industrial and Carbon Emissions Regulation Programme Waste, Energy and Business Support Programme Circular Economy Programme

❖ CEP has 4 teams

CE Programme Manager

Warren Phelan

## **Implementation**

Fiona McCoole

Food Waste
Prevention
Programme,
Green Public
Procurement,
Behavioural Insights,
Reuse and Repair

# **Regulation**Caitriona Collins

End of Waste, By-Products, Haz Plan

# Waste Licensing Anne Lucey

Waste Sector
Licensing,
Article 11,
Historic Landfills
Certificate of
Registration

### **Data & Statistics**

Vacancy

Circular Economy and Waste Data, Characterisation Surveys

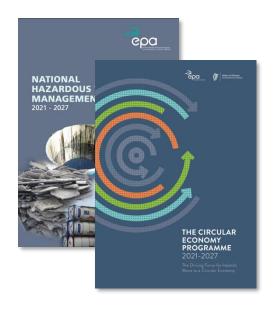






# NATIONAL POLICIES, PLANS & PROGRAMMES







































# **END-OF-WASTE & BY-PRODUCTS 101**

By-product -> never a waste = waste prevention

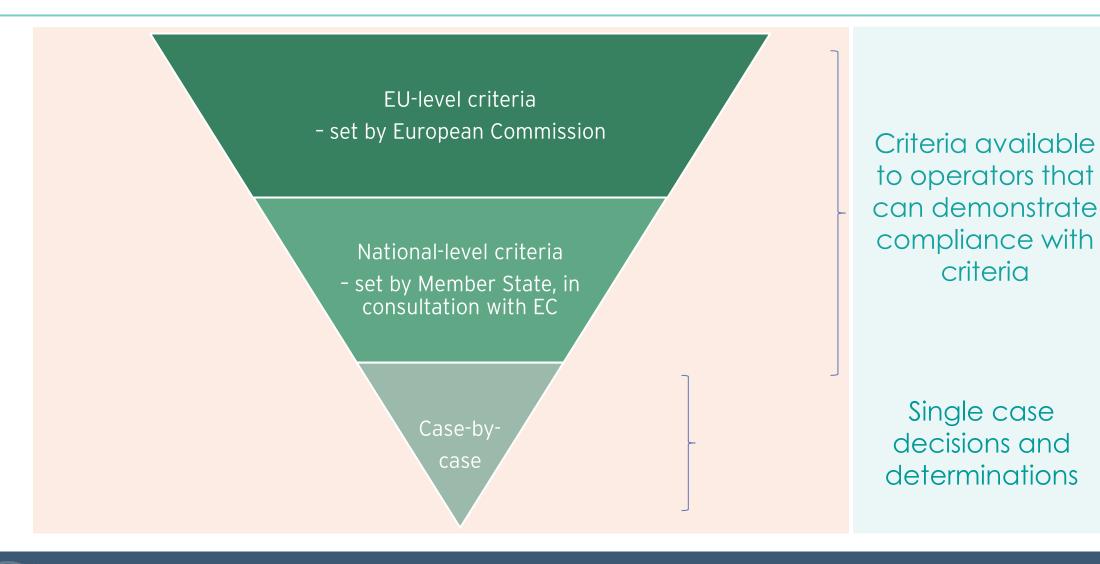
End of waste → classified as waste → waste treatment







# **DECISION LEVELS**



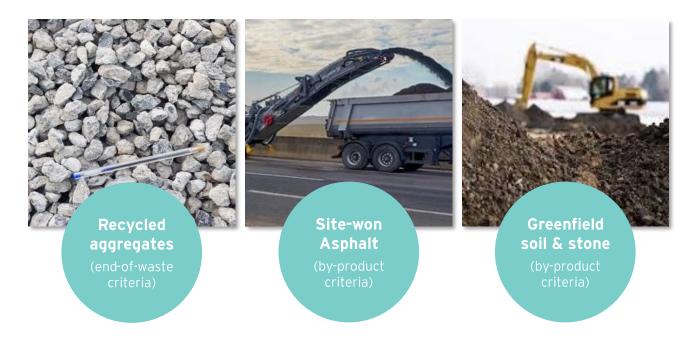




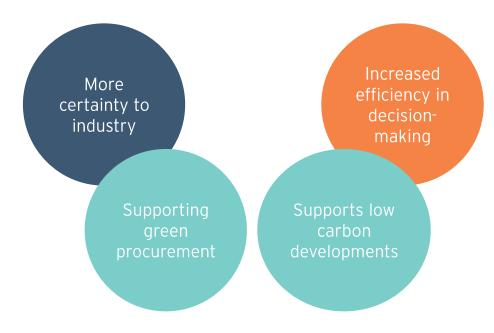


# NATIONAL APPROACH

# DEVELOPMENT OF NATIONAL CRITERIA:



# STRATEGIC STEP CHANGE IN OUR APPROACH:



Development of other national criteria may follow







### OVERVIEW SITE- WON ASPHALT BY-PRODUCT CRITERIA

#### DRAFT NATIONAL BY-PRODUCT CRITERIA

Reference Number: BP-N001/2023

of the XX<sup>th</sup> January 2023

establishing draft detailed criteria on the application of the conditions of Regulation 27

– (d) when making the decision that site-won asphalt can be regarded as a by-product Regulation 27 of the European Union (Waste Directive) Regulations 2011 – 2020

#### Section 1

#### Subject matter

National By-Product Oriteria No. BP-N001/2023 establishes detailed criteria determining when si asphalt from a pavement development, destined for use as a raw material in a Reclaimed Asphalt Pal plant for the menufacture of bituminous mishanes, is a hy-product and not a waste.

#### Section 2

#### Definition

For the purposes of these National By-Product Criteria No. BP-N001/2023, the definitions set ou European Usion (Natab Directive) Regulations 2011 – 2020 shall apply. In addition, the following definitions/interpretations shall apply:

- 'production process' means a process which deliberately produces one or more primary produ a road maintenance which produces an upgraded/maintained road;
- (2) 'pavement' is a structure, composed of one or more courses, to assist the passage of trafferain e.o. a road:
- (3) "product" means all material that is deliberately created in a production process. In many caposible to identify one (im more) primary' products, this or these being the principal maproduced e.g. an upgraded/maintained road;
- (4) 'production residue' means a material that is not deliberately produced in a production program you may not be a waste e.g. site-won asphalt generated from road upgrading/maintenant
- (5) "by-product" means a production residue that fulfils the conditions of Regulation 27(1)(a) to (it European Union (Waste Directive) Regulations 2011-2020;
- (6) "site-won asphalt' is the material to be recycled", in the form of milled asphalt road layers or ripped up from asphalt pevements. This material can also be referred to in the industry material:
- (7) "holder' means the natural or legal person who is in possession of the site-won asphalt by e.g. the producer at the production process and/or the end user at the RAP plant;
- (8) "producer" means the holider who (i) is responsible for the generation/removal of the site-work from the paverment development and (ii) transfers the site-work asphalt to another holider for time as a by-product material e.g. main contractor or a sub-contractor at a rand development.
- (9) "approved supplier" means a producer who has received a completed and signed end user's det from the end user demonstrating that the end user recognises the producer as an approved of site won asphale by-product to their Reclaimed Asphale Tewernert plant:

\*Sporce this interpretation has been sourced from Section 3.12 of Irish Standard S.S. DE 31206.8, where the meaning repositing in this instance is not the same as the meaning of Yeopoling in the Waster Enramemon Chrostobar. Placesfore, it repositing in this section of the same as the meaning of Yeopoling in an exist excitorly, in the science of this document as recogning is a resident without the content of this document as recogning to a resident excitorly, in the content of this document as recogning to a resident excitorly, in the content of this document as recogning to the same as the same as



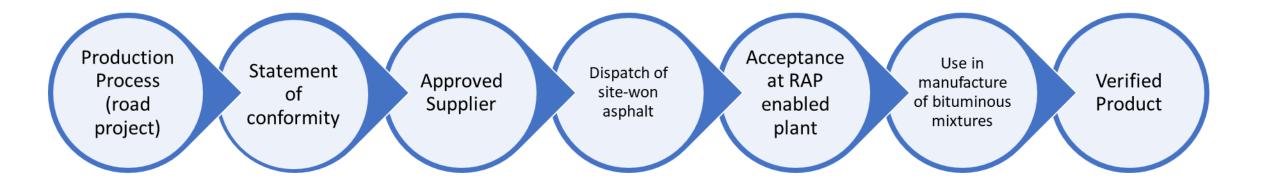
- ❖ Future-proofed Criteria that accounts for potential future legislative/policy changes.
- Accompanying DYNAMIC Live Explanatory Note







# **OVERVIEW SITE- WON ASPHALT BY-PRODUCT CRITERIA**



**Quality Management System** 





## OVERVIEW SITE- WON ASPHALT BY-PRODUCT CRITERIA







- 1. Statement of Conformity
- 2. End User Declaration







3. Compliance with technical requirements

- 1. Statement of conformity issued by the producer at the site of generation of the sitewon asphalt. This states the material meets all the requirements of the National Criteria and can be considered a by-product
- 2. End user declaration is the declaration by the RAP plant that the producer is recognised by the RAP plant and confirms the material is suitable as RAP for intake.
- 3. Approved supplier is a Producer that holds the end user declaration from the RAP plant





# Relationship between Producer and End User/ Plant

#### **PRODUCER**

 establishes an appropriate end user and directly obtains an end user declaration



#### **END USER/ PLANT**

 provides end user declaration to producer as evidence the further use of the material is in compliance with the criteria



### STATEMENT OF CONFORMITY

- Producer generates and completes the statement of conformity, inclusive of the end user declaration
- Producer shall now register the by-product on the EPA Register





# Tender and contract- Role of Producer?

'producer' means the holder who (i) is responsible for the generation/removal of the site-won asphalt from the pavement development and (ii) transfers the site-won asphalt to another holder for the first time as a by-product material e.g. main contractor or a sub-contractor at a road development.





# Satellite Storage

- (a) further use of the substance or object is certain;
- (b) the substance or object can be used directly without any further processing other than normal industrial practice;
- (c) the substance or object is produced as an integral part of a production process; and
- (d) further use is lawful in that the substance or object fulfils all relevant product, environmental and health protection requirements for the specific use and will not lead to overall adverse environmental or human health impacts.

satellite by-product storage locations connected or associated with a RAP plant come under the control of the RAP plants and their accredited Management System





# 1st Time User of EDEN portal

- Register profile on EDEN
- Organisation already exist?- search
- Request by-product module

# Existing User EDEN portal

No further profile registration needed





+ Create By-Product Notification

+ Create By-Product Registration

## By-Product Registration

The natural or legal person registering production of by-product materials is hereafter called the 'Producer'.

National/EU by-product criteria have been developed for a number of materials for certain specified uses, as set out in the Table below. These criteria are universally available for utilisation by any producer that can demonstrate compliance with the criteria.

Criteria Reference No.	Criteria Type	Notified Material	Material Sub-Category	Link to Criteria
BP-N001/2023	National Criteria	Road Planings / Bituminous Materials	Destined for use as a raw material in a Reclaimed Asphalt Pavement plant	https://www.epa.ie/publications/licensingpermitting/waste/National-By-Product-Criteria-RefNoBP-N0012023.pdf

# By-product Registration Form - REG27TEMP00027-01

1. Organisation

2. Materials

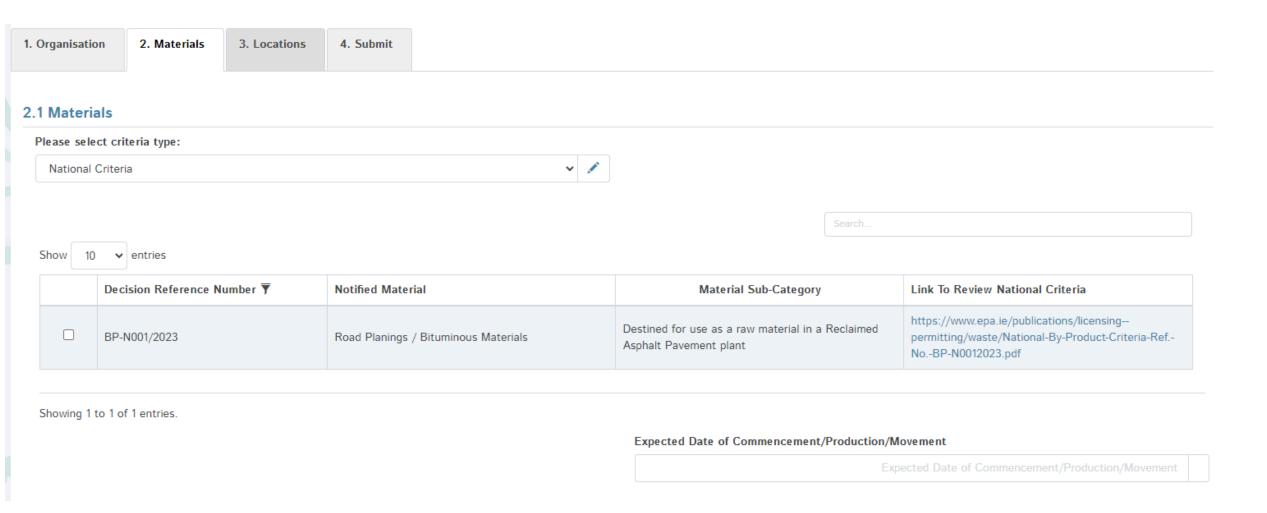
3. Locations

4. Submit





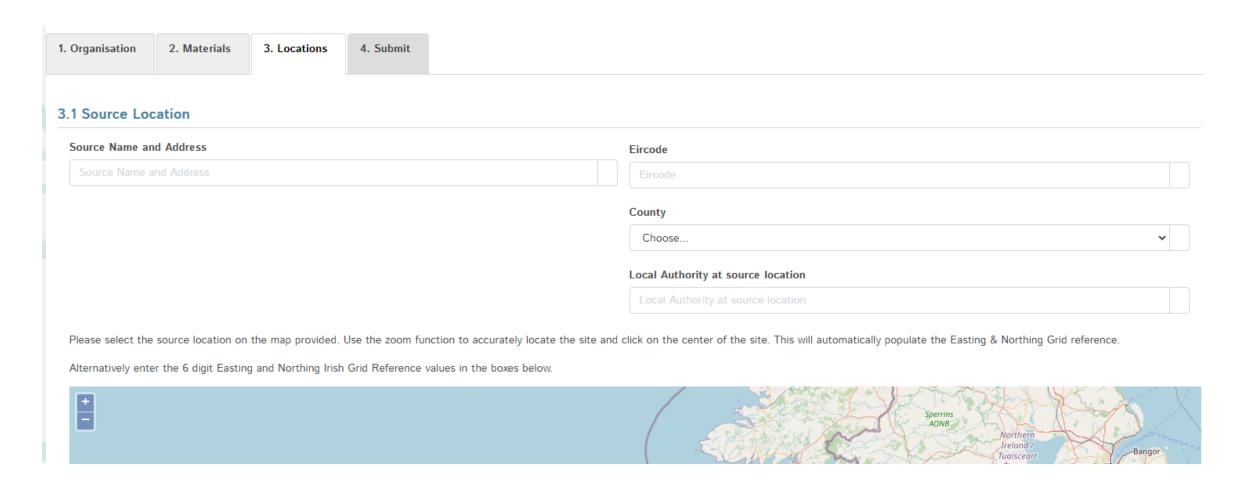
























# THANK YOU

For more information on the **Circular Economy Programme** contact
<a href="mailto:cep@epa.ie">cep@epa.ie</a>

