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## Welcome - Investing in Daldowie

**Thank you for attending today's public information event.**

**We are planning a new bioresources treatment centre at Daldowie.**

- The existing sludge treatment facility has served Scotland for almost 25 years
- It now needs to be replaced with modern facilities that can meet future demand
- The proposals will help reduce carbon emissions and operating costs, alongside the production of renewable energy

**Today's event is an opportunity to:**

- Learn about the proposals
- See how the design has developed
- Find out what feedback we received at the first event
- Ask questions and share your views before a planning application is submitted

**Stay in the know:**

- [www.scottishwater.co.uk/Daldowie](http://www.scottishwater.co.uk/Daldowie)
- Scan the QR Code opposite
- Call our Customer Helpline on 0800 0778778 quoting 532731





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# What is bioresource?

**Turning waste into something useful.**

**After wastewater is cleaned, a nutrient-rich material remains, this is called bioresource.**

- In the past, this material was commonly known as sewage sludge
- Today, it can be safely treated as a valuable resource that can be reused

## What happens to it?

- Bioresource arrives from wastewater treatment works
- The proposed facility would use advanced anaerobic digestion technology to safely treat the bioresource and extract renewable energy
- The resulting high-quality biosolids can be recycled back to farmland under SEPA licence
- The biogas produced can generate renewable energy, with any excess exported to the national gas grid

**The result:** Less waste, more renewable energy and a lower carbon footprint.



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# Why are we doing this and how it works

## Why is a new facility needed?

The current treatment facility is ageing and needs to be replaced.

## The new centre will help us:

- Meet future demand across Central Scotland
- Improve efficiency
- Reduce carbon emissions
- Generate more renewable energy
- Support Scottish Water's net zero ambitions

**We are investing now to provide a more sustainable service for future generations.**

**The new centre is designed to recover more energy from bioreources while reducing the use of fossil fuels.**

**This means more of the value in waste can be recovered and reused.**



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# Beyond Net Zero

## Helping tackle climate change

In response to the increasing impacts of climate change on our water and wastewater services, and to secure their future sustainability, Scottish Water is adapting its services and has pledged to reach net zero emissions by 2040.

- The proposed Daldowie facility is expected to significantly reduce carbon emissions compared with the current process
- The existing facility generates around 40,000 tonnes of CO<sub>2</sub> per year
- The proposed centre would reduce this by around 35,000 tonnes per year

## Benefits:

- Greater energy self-sufficiency with enough renewable energy to power the entire treatment centre and associated wastewater treatment works
- Export of surplus biogas to the national gas grid
- Maximise energy recovery and use of bioresource
- Lower carbon emissions

**The project will make an important contribution to Scottish Water's net zero ambitions.**



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## Where is the site

### The proposed location

The existing treatment centre and wastewater treatment works are located east of Glasgow, between the River Clyde and the M74. The new facility would use the same location and additional adjoining land.

### The site is bounded by:

- Existing STC
- Local nature conservation sites
- Ancient woodland
- Daldowie Crematorium
- River Clyde

Minimising impact on the surrounding environment has been an important part of the design process.





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# What are we proposing to build?

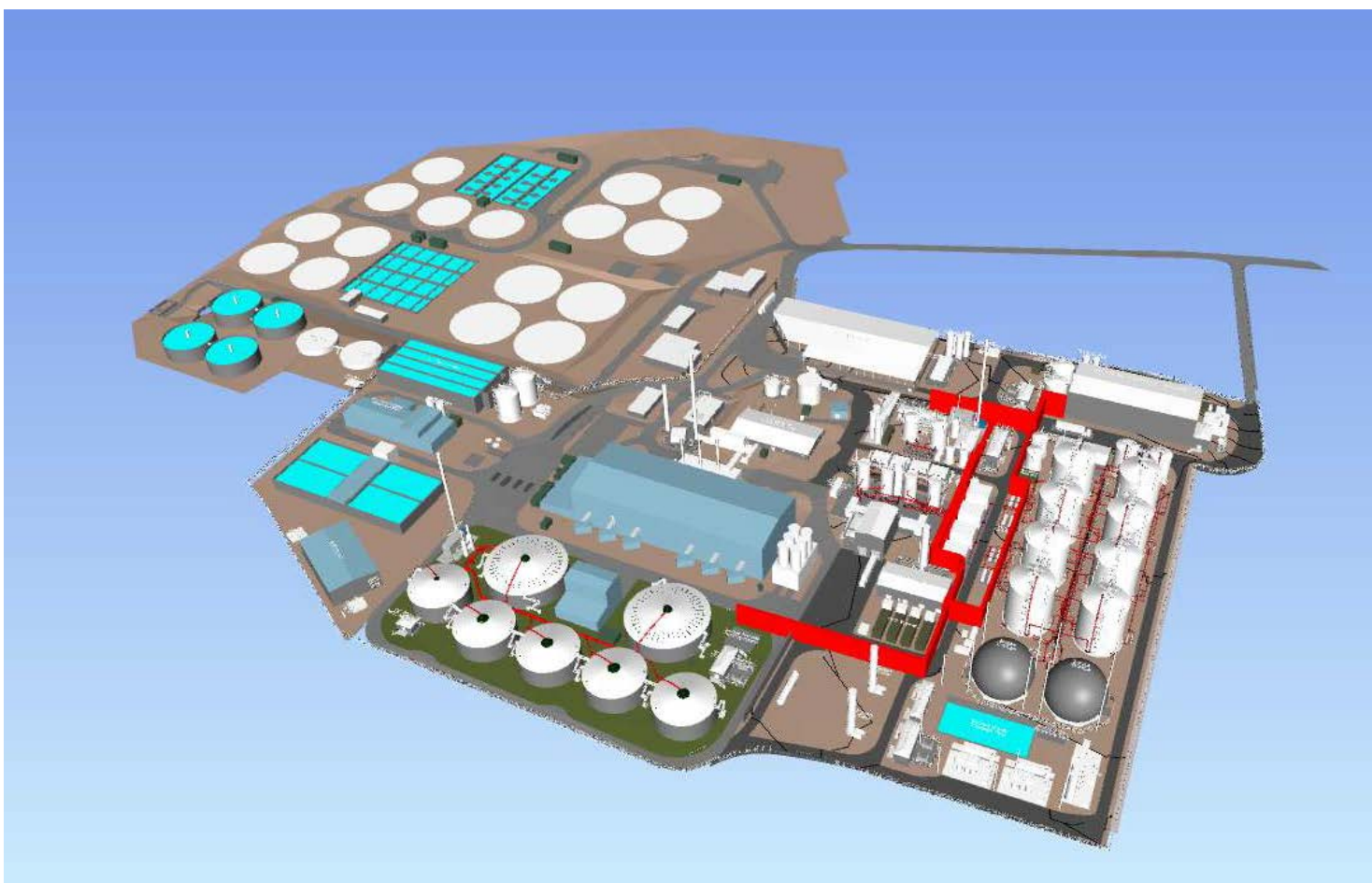
## What will we build?

The proposal is to replace the existing treatment facility with a modern integrated Bioresource Treatment Centre (BTC). Additional land will be required from Glasgow City Council.

### The development would include:

- New process treatment units and buildings
- Renewable energy generation equipment
- Supporting infrastructure
- Refurbishment of some existing assets

**The design has been shaped to make use of existing facilities where possible and reduce impacts on neighbouring environmental features.**



3D Model



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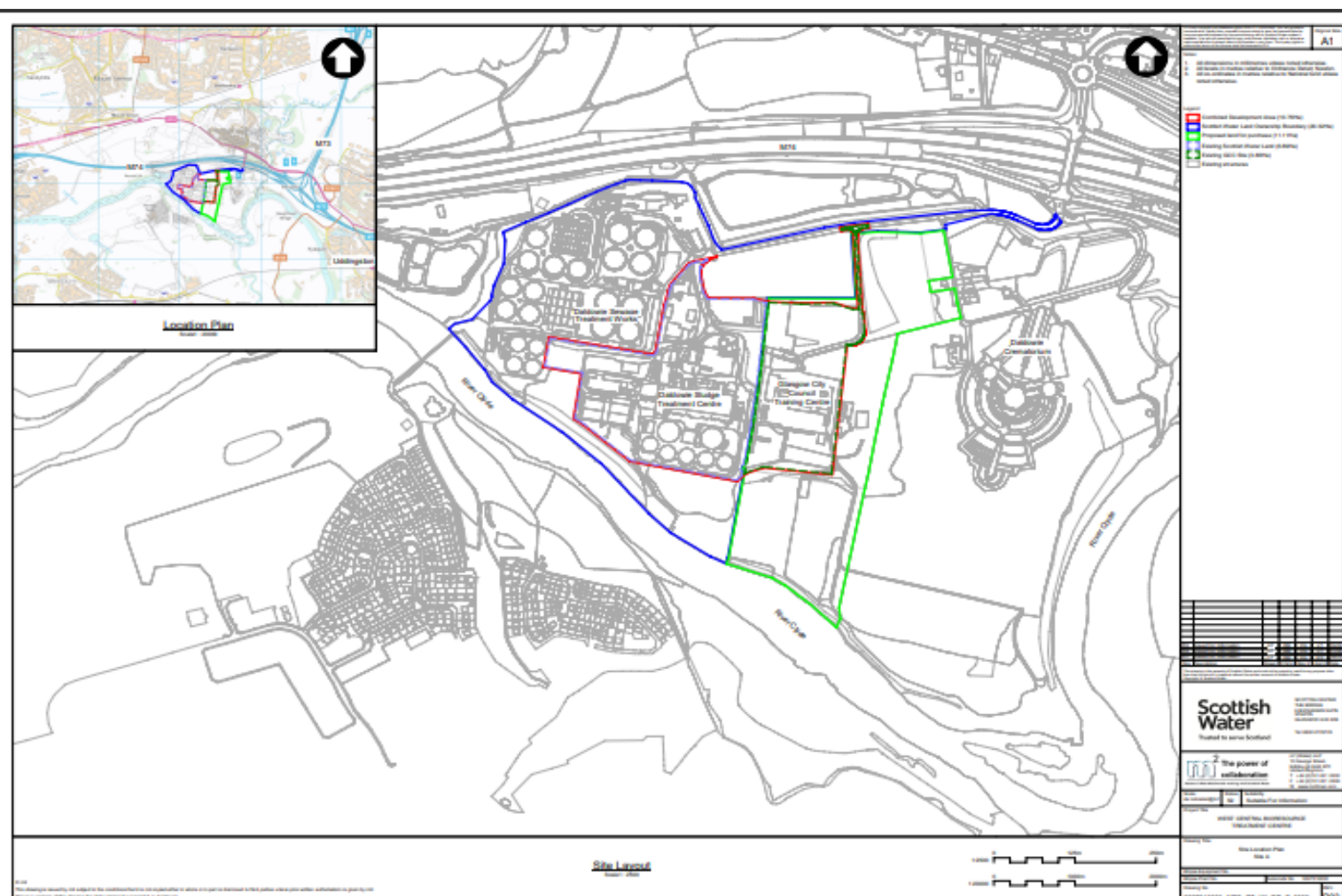
# Planning-What happens next?

## The planning process

A planning application will be submitted to Glasgow City Council (GCC) later in 2026. Due to the size of the site, this is considered a 'Major' application which requires two community events and an extended application determination period.

## Key stages

- First public information event (held June 2026)
- Design development
- Public information event 2 (held August 2026)
- Final design updates
- Planning application submitted and opportunity for formal representation



Red line boundary



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## Ecology & Biodiversity

### Protecting nature and biodiversity

We have carried out extensive environmental and ecological surveys to better understand habitats, woodland, wildlife and protected species around the site. These studies have helped shape the proposed design.

### Surveys have looked at:

- Habitats, trees and ancient woodland
- Bats, badgers and breeding birds
- Otters, amphibians and water voles

### How this has shaped the design

- Maximised use of existing structures and brownfield land
- The layout has been refined to help minimise woodland loss
- Where impacts cannot be avoided, mitigation and compensatory planting will be provided
- Biodiversity enhancement measures are being developed to ensure an overall positive effect on biodiversity following completion of the project



Habitat Classification Map



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# Woodland and Environmental Impact Assessment

## Protecting Woodland

- Arboricultural surveys have been carried out to assess the trees around the site
- This led to modification to the layout, particularly on the east side
- Environmental Impact Assessment (EIA) is being carried out with a focus on the woodland and the report will be submitted with the planning application





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# SEPA Regulation and Environmental Protection

The proposed development will need to be authorised by SEPA under the Environmental Authorisations (Scotland) Regulations 2018 (EASR). The permit will place conditions on Scottish Water to ensure that the bioresource treatment centre is operated in a way that will protect the environment and human health. These conditions will be based on the requirements of the Industrial Emissions Directive (IED) and to ensure compliance, the site will be designed to achieve Best Available Techniques (BAT), or equivalent, for waste treatment.

When the permit application is submitted, it is likely that SEPA will open a public consultation. Information will be made available on SEPA's Consultation Hub website [www.consultation.sepa.org.uk](http://www.consultation.sepa.org.uk)

The application will be supported by the following documentation:

- Environmental Management System Summary
- Site Condition Report
- Air Emissions Risk Assessment
- Odour Risk Assessment & Management Plan
- Noise & Vibration Assessment and Management Plan
- Accident Prevention and Mitigation Plan
- Waste Management Plan
- Energy Efficiency Plan
- Residues Management Plan
- Secondary Containment Assessment
- Leak Detection and Repair (LDAR) Programme)
- Bioaerosol Risk Assessment

# Feedback

| Comment/Question                                                                                    | Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Information Events                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Information Evening                                                                                 | The second information event has been moved to the Dogs Trust in Broomhouse and new postcards issued. Information about any further events will be communicated in the same way. There is a project page on the Scottish Water website and this will be kept up to date throughout the life of the project <a href="http://www.scottishwater.co.uk/Daldowie">www.scottishwater.co.uk/Daldowie</a>                                                                                                                                                                                                                                                                                                                                                                        |
| Can second event be held in Baillieston/Broomhouse                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Can we receive information about future events                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Location                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| What alternative locations were considered                                                          | An assessment of possible locations considered large existing wastewater treatment works across central Scotland, including those in Greater Glasgow, Renfrewshire, Inverclyde, West Dunbartonshire, North Lanarkshire, South Lanarkshire, North Ayrshire and Falkirk. The assessment also considered several sites within a 1km search boundary from the Greater Glasgow Sludge Main                                                                                                                                                                                                                                                                                                                                                                                    |
| Why was this site identified                                                                        | Proximity to the existing strategic sludge main and STC allows use of some existing structures, minimising new infrastructure requirements and tankering of sludge. The proposed site is largely developed minimising additional greenfield land required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Is further expansion anticipated in the future                                                      | There is no intention to extend the site. The facility has been designed with a much larger capacity than the STC. The footprint of the proposed area of land was defined by GCC and does not mean that we are intending to extend in the future.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Where will dried sludge cake be disposed                                                            | Sludge cake will go to agricultural land and associated transportation from the site is included in the assessment of traffic movements. Internal review of suitable locations is underway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Traffic                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Will there be increased traffic movements through Broomhouse. What routes will it take.             | Around 70% of wastewater sludge arrives at the existing STC by strategic sludge main. The remaining 30% arrives on tankers. These tankers take direct access to and from the M74 and do not travel through Broomhouse and this will remain the routing. Any alternative site would require the cake to be tankered from Daldowie, increasing traffic movements to and from the site. As this is a relocation of the existing STC all traffic movements are not all additional. It is anticipated that movements will increase by around 30-35 per day and an operational traffic management plan will be prepared. Transport Scotland have confirmed that they are happy with this increase given "entering/exiting the site via a grade separated trunk road junction". |
| Concern over potential disturbance to residents from increased tanker traffic                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| What are the current and future anticipated traffic movements and how will this increase be managed |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| What % of sludge is delivered via the strategic sludge main and what will this change to?           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| What are the anticipated construction traffic movements and what management will be in place        | A Construction Traffic Management Plan will be prepared which will review construction access and movements and provide mitigation. A new poster has been created with respect to traffic movements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Environment - Trees                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| How many trees will be removed                                                                      | An Arboricultural Survey was undertaken of all the trees surrounding the site and the footprint of the development was reduced to protect higher value trees, particularly up the eastern edge. There is a requirement to remove some trees in the more central area of the site. Proposals for compensatory planting and biodiversity enhancement are currently being developed with a focus on maximising the value of the existing land.                                                                                                                                                                                                                                                                                                                              |
| How is loss being mitigated & where is compensatory planting proposed                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| How do we know additional areas of woodland around the site won't be removed                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Concern over protection of crematorium trees                                                        | No trees within the crematorium land will be removed and a buffer will be retained between the sites.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Will there be continued public access through the woodland                                          | Whilst no core paths will be directly affected by the development, there is an existing informal access through the east of the site. As part of our biodiversity enhancement proposals we are investigating provision of a replacement path through the woods.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Environment - Air Quality and Noise                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Unresolved odour issues at STC particularly for Newton                                              | Emissions to air, water and land, including odour, are controlled through SEPA licencing. A permit will be applied for which will include detailed assessment of potential emissions. Nuisance is also a consideration for the planning authority. An odour impact assessment is underway which is informing the provision of new odour control plant. It is also proposed to reuse some of the existing odour control plant on the STC site and a further review of this has been initiated. A noise assessment and management plan is also being prepared.                                                                                                                                                                                                             |
| What odour assessment done and what measures will be taken to address odour                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Predicted noise and air quality emissions and what safeguards in place                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



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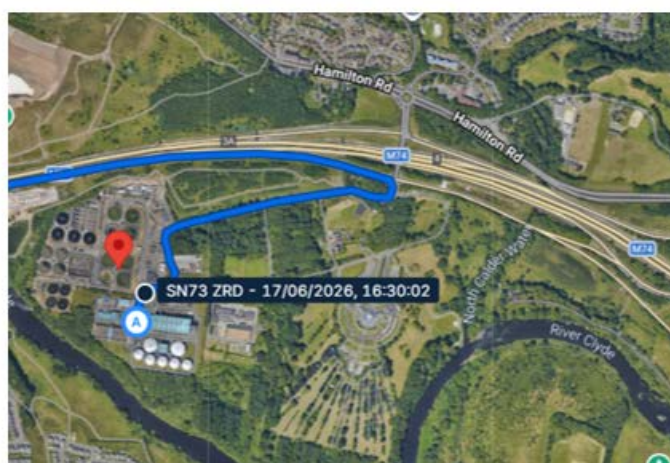
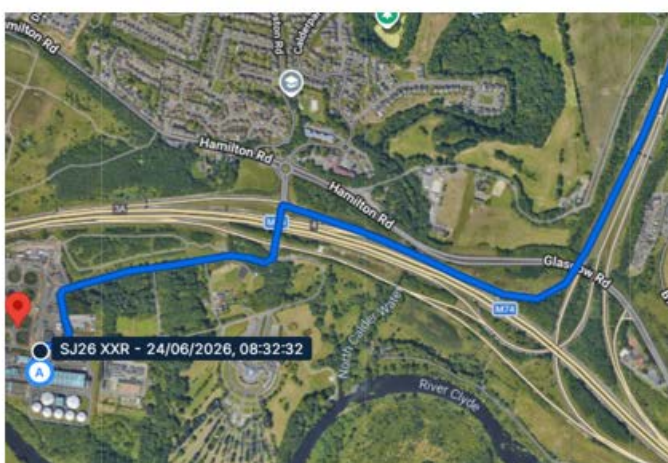
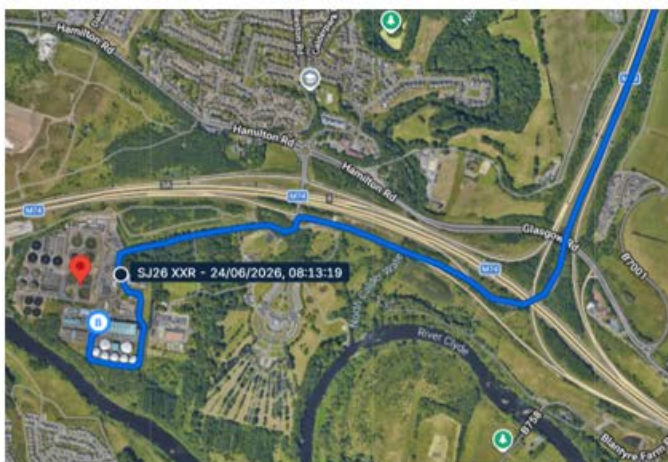
# Will there be changes to local traffic?

## Traffic Movement

- Traffic from the existing STC will move to the new facility
- Tankers will continue to use the same route into the new site
- Traffic movements will likely increase over time by around vehicle 30-35 per day
- A Transport Statement will be included with the planning application

## Traffic Management

- Vehicles will enter the site via the existing access road
- There is direct access to the M74
- Tankers will not need to go through Broomhouse
- A Construction Traffic Management Plan will be prepared for the development to manage construction traffic movements.
- An Operational Traffic Management Plan will be prepared to co-ordinate planned deliveries to the site and vehicle movements within the site.



Local Maps



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## Why this site?

### The proposed location

- Around 70% of wastewater sludge arriving at the existing treatment centre arrives from the Glasgow area via a strategic sludge main. This site enables continued use of this sludge main avoiding additional tanker movements to an alternative location
- Proximity to the current treatment centre allows reuse of existing assets
- The proposed expansion site is already largely developed minimising additional greenfield land requirements

### What alternative locations were considered?

An assessment of possible locations for the proposed bioresource treatment facility considered large existing wastewater treatment works across central Scotland. It also considered several sites within a 1km search boundary from the Greater Glasgow Sludge Main.

### Will there be nuisance to nearby residents?

An odour impact assessment is underway which is informing the provision of new odour control plant. It is also proposed to reuse some of the existing treatment centre odour control plant and a further review of this has been initiated. An odour management plan will be generated. A noise assessment and management plan is also being prepared.