



Neuadd y Sir
Caerdydd,
CF10 4UW
Ffôn: (029) 2087 2088
www.caerdydd.gov.uk

County Hall
Cardiff,
CF10 4UW
Tel: (029) 2087 2087
www.cardiff.gov.uk

My Ref: JC/TW/SC/18/00002/MJR
Your Ref:

Date : 25th September 2018

Mr D Barry
Ove Arup & Partners Ltd
4 Pierhead Street
Capital Waterside
Cardiff
CF10 4QP

Dear Sir

Local Government Act 1972 section 101

Application No. SC/18/00002/MJR

Location : Land South of St Mellons Business Park

Proposal : Scoping Opinion for New Mainline Station, Park and Ride Facility and Ancillary Development

In accordance with the powers delegated to me by the County Council under the above Act, my decision is as follows:

The above proposal has been screened with regard to the need for the preparation of an Environmental Statement to accompany the application, in accordance with the Town and Country Planning (Environmental Impact Assessment) (Wales) Regulations 2017.

The above proposal has been scoped with regard to the need for the preparation of an Environmental Statement to accompany the application, in accordance with the Town and Country Planning (Environmental Impact Assessment) (Wales) Regulations 2017.

1. Introduction

This request for a scoping opinion relates to proposals for a new mainline station, park and ride facility, and ancillary development on land south of St. Mellons Business Park, Trowbridge.

This scoping opinion has been prepared by Cardiff Council on the basis of the information contained within the request for a scoping opinion prepared by Arup dated 5 July 2018.

This scoping opinion request acknowledges that the scheme is Environmental Impact Assessment (EIA) development as defined by the Town and Country

GWEITHIO DROS GAERDYDD, GWEITHIO DROSOCH CHI

Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg, Saesneg neu'n ddwyieithog. Byddwn yn cyfathrebu â chi yn ôl eich dewis, dim ond i chi roi gwybod i ni pa un sydd well gennych. Ni fydd gohebu yn Gymraeg yn arwain at oedi.

WORKING FOR CARDIFF, WORKING FOR YOU

The Council welcomes correspondence in Welsh, English or bilingually. We will ensure that we communicate with you in the language of your choice, as long as you let us know which you prefer. Corresponding in Welsh will not lead to delay.



Planning (Environmental Impact Assessment) (Wales) Regulations 2017, hereafter referred to as 'the EIA Regulations'.

The opinion comprises a brief description of the site and the proposals, a summary of the consultation responses, and the scoping opinion.

The Local Planning Authority has taken the following into account before adopting its opinion in accordance with Regulation 14(6) of the EIA Regulations:

- (i) any information provided by the applicant about the proposed development;
- (ii) the specific characteristics of the particular development;
- (iii) the specific characteristics of development of the type concerned; and
- (iv) the environmental features likely to be significantly affected by the development

2. Description of The Proposed Development and Site Context

The Proposed Development

The proposed development includes the following components:

- (v) Railway station (likely to be 4 no. platforms);
- (vi) Park & Ride (multi-storey car park up to 6 no. storeys, 500 – 2,000 spaces adjacent to the station;
- (vii) 90,000sqm B1 office use creating over 2,500 jobs and other complimentary uses;
- (viii) Landscaping;
- (ix) Engineering and infrastructure works;
- (x) Improvements to Cypress Drive;
- (xi) Network of footpaths and cycleways across the site.

The site extends to approximately 102 hectares.

Site Context

The site is located within the Gwent Levels Historic Landscape, an area recognised for its network of reens and drainage channels which creates a unique field pattern on the low-lying wetland. Faendre Reen is the most significant of these watercourses, meandering on a north-south alignment towards the western edge of the site.

The site is also located within the Gwent Levels: Rumney and Peterstone Site of Special Scientific Interest (SSSI), which is designated for its range of aquatic plants and invertebrates associated with the reens and ditches of the drainage system.

The site is also within an archaeologically sensitive area and Flood Zone C1 on the Development Advice Map (DAM) referred to under Technical Advice Note 15: Development and Flood Risk (TAN15) (July 2004).

The Marshfield Site of Importance for Nature Conservation (SINC) is located on approximately 5 hectares of the site immediately north of the railway and west of Heol Las.

3. Consultation Responses

Ecology

The Council's Ecologist has noted the scoping advice provided by NRW and he supports these comments insofar as they relate to the ecology and biodiversity of this site. He has the following additional comments on the scope of an Environmental Statement (ES):

- (i) Any ES should include a section which considers the ecosystems present on the site, or of which the site is a part, and the predicted impact of the proposed scheme upon them. In considering any planning application, Cardiff Council will have to demonstrate that it has sought to maintain and enhance biodiversity, and in doing so promoted the resilience of ecosystems, in compliance with its duty under Section 6 of the Environment (Wales) Act 2016.

In addition, The Guidelines for Ecological Impact Assessment in the UK and Ireland, terrestrial, Freshwater, Coastal and Marine © CIEEM September 2018 make it clear that an Ecological Impact Assessment (EclA) should consider the impacts upon ecosystems, as well as habitats and species, and statements to this effect are found throughout the document. BS42020, the British Standard for biodiversity and planning, recognises also that an EclA includes identifying, quantifying and evaluating the potential impacts of defined actions on ecosystems.

Any assessment of the impacts upon ecosystem resilience should take account of the following aspects:-

- (a) diversity between and within ecosystems;
 - (b) the connections between and within ecosystems;
 - (c) the scale of ecosystems;
 - (d) the condition of ecosystems;
 - (e) the adaptability of ecosystems.
- (ii) In terms of individual species, he generally supports the scope of proposed surveys set out in the EIA Scoping Report. The exceptions being that the invertebrate survey should include surveys for terrestrial invertebrates as well as aquatic invertebrates. The Gwent Levels is known to support Section 7 invertebrates such as the Shrill Carder Bee and the Brown-banded Carder Bee, and indeed the former is a qualifying (though not designatory) species of the SSSI.
- (iii) He notes that bird surveys have been undertaken, though it is not clear whether this includes surveys for ground-nesting birds such as Lapwing. Therefore for the avoidance of doubt, if it is assessed that these

- ground-nesting species may be present, then surveys should take place as they would clearly be impacted by any future development.
- (iv) Semi-improved grassland habitats on site should be assessed to NVC level, and subsequently compared with regional SINC selection criteria to allow their value to be considered in the context of Section 5.3.11 of PPW 2016 and Section 5.5.3 of TAN5.
 - (v) Clearly a major consideration at this site is that it sits within the SSSI, and he welcomes that this is acknowledged in the EIA Scoping Report. In this context he notes the reference in section 5.7.3 of that report to the CCW 1991 document 'Nature Conservation and Physical Development on the Gwent Levels'. He is aware that there are plans to revise or replace this document, so if this does occur then he would expect any mitigation of impacts upon the SSSI to be informed by any new guidance in this respect.
 - (vi) Any ecological mitigation proposed at this site, for example for protected species or SSSI features, should be set out in the context of a green infrastructure approach, whereby ecology, trees landscaping and soils, access, recreation, public open space and SuDS are considered holistically, to secure maximum benefits for the eventual users of this site.

Transportation

The Operational Manager, Transportation, has considered the submitted Transport Scope and is of the view that there is little to add to the approach provided regarding road (inc. vehicles, peds, cycles, etc) based traffic and movement. The only issue which will need to be considered is the impact upon existing rail services (passenger & freight) during the station, rail line construction phase. He understands that Network Rail will be in control of the process, but any fall out onto the road network should be assessed and taken in to account.

Contaminated Land

The Contaminated Land Team acknowledges that a ground conditions assessment will be undertaken as part of the EIA. Section 5.6 of the scoping report references a previous report which incorporates a preliminary contamination risk assessment (Geotechnical Desk Study, Arup, December 2017) which together with any updates will presumably be included in the EIA submission.

It is also noted that the developer proposes ground investigations to assess the presence of contamination and ground gases and determine any appropriate remediation measures. These should be undertaken in line with the WLGA / WG / NRW guidance document, 'Land Contamination: A guide for Developers' (2017).

Council Noise Pollution Officer

The Noise Pollution Officer acknowledges that a traffic and transport assessment and a noise and vibration assessment will be undertaken as part of the EIA. The sections pertaining to these are 3.2 and 5.3 of the scoping report.

They consider that more than 4 monitoring locations may need to be considered

near to noise sensitive receptors and that weekend periods should also be included in the assessment in accordance with BS 4142.

A Construction Environmental Management Plan (CEMP) will need to be prepared and adhered to as part of the application.

Air Quality

The Air Quality Officer has reviewed the documentation submitted in accordance with the scoping opinion SC/18/00002/MJR. He advises that the produced EIA scoping report addresses for the best part his raised points.

Section 5.4.4- "Issues Scoped Out" of the report outlines that the specification of the proposed on-site combustion plant is not known as the proposal is at an outline planning stage. He therefore advises that the air quality modelling may need to be revisited once the detail surrounding this facility is confirmed.

It is noted that there is little LAQM monitoring in the vicinity of the proposed area, therefore he seeks clarity on how verification of the modelling would be undertaken.

Trees

The Tree Officer's only comment is that there is a lack of consideration of the potential impact on soil as a resource. There is a comment that it is intended that the site soil will be re-used, but nothing regarding how the soil will be protected from damage and its functionality preserved. Soil functionality may be impaired substantially following disturbance, for example with regard to carbon storage and in supporting proposed landscaping. The potential impacts on soil as a resource should be considered and a strategy set out for how it will be assessed, protected and its functionality preserved. A Soil Resource Survey and Plan prepared in accordance with the 2009 DEFRA Code will be an important element of any strategy for characterising and protecting the soil as a resource for landscaping purposes.

Glamorgan Gwent Archaeological Trust (GGAT)

They note that the Archaeology and Cultural Heritage section of the scoping report (Section 5.8 and Appendix A) includes an initial desk-based assessment compiled by GGAT Projects (Report no. 2018/030, dated May 2018). It is proposed to complement this with a detailed walk-through of the study area, along with visits where appropriate to locations outside the study area. Additionally a programme of geophysical survey will be undertaken, potentially followed by trial trenching. Such an approach is appropriate, and they look forward to reading the updated assessment and additional reports.

The document also notes that the majority of the proposal is located within the Gwent Levels Registered Historic Landscape (HLW (Gt) 2) and as such there is the likely potential that an ASIDHOL2 assessment will be required (Assessment of the Significance of the Impact of Development on Historic Landscape). In their view an ASIDHOL2 is certainly required. However, in cases where an environmental impact

assessment is required, Cadw are the Statutory Consultees regarding the impact on the historic landscape. As such, Cadw should be contacted in this instance, certainly Cadw will act as curator for the ASIDOHL2 process.

CADW

No response received.

Natural Resources Wales

See attached response.

Dwr Cymru Welsh Water

No response received.

4. Scoping Opinion

The Council agrees with the scope of environmental topics that have been considered in your scoping report dated 5 July 2018 and these should be addressed as part of the EIA for the development and reported in the Environmental Statement.

These environmental topics are as follows:


- Traffic and Transport;
- Noise and Vibration;
- Air Quality;
- Water Resources;
- Ground Conditions;
- Ecology;
- Archaeology and Cultural Heritage;
- Landscape and Visual;
- Socio-Economics;
- Health and Wellbeing; and
- Climate

The consultation responses summarised above, and also attached to this report, should inform the assessment of these topics, in addition to the assessment methodologies you have already identified in your report.

It is understood that further dialogue is taking place between Arup and the Council's Transportation Service to agree the scope of the Transport Assessment.

Please note that this scoping opinion is provided without prejudice and does not preclude Cardiff Council from requesting further information, in accordance with Regulation 24 of the Town and Country Planning (Environmental Impact Assessment) (Wales) Regulations 2017, should the need arise.

Yours faithfully

A handwritten signature in black ink, consisting of a stylized, cursive 'J' followed by a horizontal line.

James Clemence
Head of Planning



**Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales**

**Ein cyf/Our ref: CAS-65410-K4M9
Eich cyf/Your ref: SC/18/0002/MJR**

Rivers House
St Mellons Business Park
Fortran Road
Cardiff
CF3 0EY

Ebost/Email:
southeastplanning@cyfoethnaturiolcymru.gov.uk
Ffôn/Phone: 03000 653 055

Cardiff City Council
Development Control
County Hall
Atlantic Wharf
Cardiff
CF10 4UW

FAO: Tim Walter

02 August 2018

Annwyl Syr/Madam / Dear Sir/Madam

**SCOPING OPINION FOR NEW MAINLINE STATION, PARK AND RIDE FACILITY AND
ANCILLARY DEVELOPMENT AT LAND SOUTH OF ST MELLONS BUSINESS PARK**

Thank you for referring us to the above, which we received on 10 July 2018.

We have reviewed the Scoping Report, produced by ARUP, dated 05 July 2018, to provide you with our advice to assist with the preparation of an Environmental Statement (ES). Please note that our comments below only relate specifically to matters that are included on our checklist Natural Resources Wales and Planning Consultations (March 2015) which is published on our website at this link ([checklist](#)). Therefore, you may wish to seek advice from other sources in relation to others aspects of the Scoping Report and likely significant environmental effects.

Our advice is as follows, further information is also included in Annex 1 and Annex 2;

Air Quality

The development is within the boundary of the Gwent Levels: Rumney and Peterstone SSSI and likely to be within 200m of roads and/or tracks associated with this development (e.g. construction track, service road etc.).

We do not consider the information provided at this stage sufficient to screen out significant construction phase traffic emission effects on the SSSI. We also have concerns about reliance on the cited significance criteria. Process contributions should be considered in relation to Critical Levels and Critical loads.

The primary traffic pollutants of concern are:

Pollutant	Critical Level (µg/m3)
Nitrogen oxides (NOx)	30
Sulphur dioxide (SO2)	20

In addition to these, an appropriate conversion of NO_x to nitrogen deposition should be made and assessed against the nitrogen critical load of 10 – 20kgN/ha/yr for the SSSI.

We would be happy to discuss methods further in due course.

Water Resources

Gwent Levels: Rumney and Peterstone Site of Special Scientific Interest (SSSI)

Notwithstanding that this site has been allocated within Cardiff's Local Development Plan (LDP), we remind you of duties under section 28 G (2) of the Wildlife and Countryside Act 1981 as amended to take reasonable steps, consistent with the proper exercise of the Authority's functions, to further the conservation and enhancement of the features for which the site is of special scientific interest.

The protection and enhancement of SSSIs is translated into planning policy through PPW and TAN5, where paragraph 5.5.8 of PPW advises there is a presumption against development likely to damage a SSSI. Paragraph 5.4.2 and 5.4.4 of TAN5 further advise: the duty applies to the formulation of plans, and that the Welsh Government expects to 'apply strict tests when carrying out functions within or affecting SSSIs, to ensure they avoid, or at least minimise, adverse effects'.

In addition, Section 6 of the Environment (Wales) Act 2016 requires that public authorities '*must seek to maintain and enhance biodiversity in the exercise of functions in relation to Wales, and in so doing promote the resilience of ecosystems, so far as consistent with the proper exercise of those functions*'. In complying with subsection 6(1) of the 2016, a public authority is required to take account of the "resilience of ecosystems" (as defined) and the specific matters listed in subsection 6(2) of the 2016 Act.

We note the Inspector's recommendation (January 2016) on this allocation in the Cardiff Local Development Plan 2006-2026. We also note his comments that design and mitigation may overcome some or all of the potential harm to the SSSI. These are issues that we recommend are addressed in detail in the Environmental Impact Assessment (EIA).

The SSSI was designated for its range of aquatic plants and invertebrates associated with the reens and ditches of the drainage system. In summary, the special interest of the SSSI is dependent on the water quality, water quantity, the existence of the drainage system and its continued management. Full details of the nature conservation interests of the Gwent Levels are given in Annex 1 of this letter.

Our main concerns for the SSSI are summarised below and relate to both the construction and operation phases of the proposals:

- Loss of SSSI features within the development boundary, for example through infilling of watercourses;
- direct loss of /damage to the features of the SSSI from construction and operation activities;
- direct loss of /damage to the features of the SSSI from pollution events;

- direct loss of /damage to the features of the SSSI from poor quality surface water run-off;
- indirect loss/damage to the features of the SSSI from poor quality surface water run-off, due to the interconnected nature of the drainage system impacts at this location could affect a large area of the SSSI;
- Reduction in the degree of access to ditch and reed edges with potential adverse impacts on their management and the SSSI features
- Loss of grassland habitat and flora that supports shrill carder bee which is a qualifying feature of the Gwent Levels SSSIs
- Location and operation of construction sites and works access;
- loss of /damage to the features of the SSSI from any infrastructure needed to support the development such as utilities, ancillary buildings, roads, borrow pits even if "temporary".
- Alterations to grazing levels and poaching levels within the SSSI
- Impacts on hydrology of the site

General advice on matters we recommend are addressed in any EIA to determine the extent of any environmental impacts arising from the construction and operation of the proposed development on the features of the Gwent Levels: Rumney & Peterstone SSSI is provided below. In summary, we recommend that these include details of the design, construction methods, working procedures around all watercourses, together with the monitoring proposals and contingency measures that will be implemented should adverse impacts occur.

The impacts arising from the different elements of the proposals should be clearly identified. The magnitude and timing of all adverse effects should be related to the features of the site, in particular how these effects are likely to affect the management objectives of the Gwent Levels SSSI.

Sufficient information should be included in the EIA to enable a decision to be made as to whether the development is likely to damage the SSSI features.

A monitoring programme should be developed to ensure adequate monitoring of flora, invertebrates and water quality within the Gwent Level: Rumney & Peterstone SSSI. Monitoring may need to include the following:

- Establishment of a detailed baseline for the special interest of the SSSIs: ditch habitat, flora and invertebrates, followed by monitoring during construction and a period post construction.
- Water quality sampling; again a baseline should be established prior to the construction phase and monitoring continued during and for a period post construction

We have prepared guidance on monitoring the impacts of any developments on the Gwent Levels. Copies of our Interim Guidance Notes on flora, fauna and water quality monitoring can be provided if necessary.

It will be necessary to be able to demonstrate that measures proposed to avoid any adverse impacts on both designated sites and protected species are effective. In addition, some method of confirming the positive and negative impacts predicted in the assessment and during construction will be required.

We therefore recommend the inclusion of details of a monitoring programme covering all designated sites and protected species affected by the scheme relating to both construction and operational phases of the development. In addition monitoring must be linked to appropriate contingency plans. It may be necessary to amend construction procedures if the monitoring programmes identify adverse impacts linked to construction or post construction activities, including pollution incidents.

With respect to the SSSI nature conservation interests that could be affected by the scheme, it is only possible at this stage to advise on general mitigation measures. We would welcome the opportunity to discuss this issue in greater detail as the scheme progresses. This would fall part of our discretionary advice service and there would be charge for this service. Further details are available on our website.

In summary, our first priority would be to prevent loss of and minimise damage to such interests within the area affected by the scheme. There should be a description of the measures envisaged to prevent, reduce and where possible offset any significant adverse effects on the environment. However, we would wish to ensure that, where any mitigation is considered, it is of a scale and nature commensurate with the importance and extent of any interests that are adversely affected.

Surface Waters- Caldicot and Wentlooge Levels Internal Drainage District (IDD)

The proposed development site is within the Caldicot and Wentlooge Levels Internal Drainage District (IDD). Further information is included in Annex 2 to assist with the assessment of impacts on the reens and drainage ditches that run across the site.

Surface waters and pollution prevention

Due to the location and size of the proposed development a full and detailed Construction and Environment Management Plan is required. The plan should include, but not limited to;

- detailed water management and disposal, SuDS development during construction, waste management and disposal plan, incident (pollution) plan, 24hr incident and site management contact details.
- Pollution prevention plan from vehicle movement on and off site, material storage and pollution prevention, use of vehicles, hazardous material and fluid storage (fuels and oils) plan.
- Working in and near water, construction of temporary access roads, construction over waterways, material screening policy for all imported materials (for the prevention of invasive species), post construction remediation plan.

Ground Conditions

We note and welcome the content of this section of the scoping report and have nothing further to add with regards to potential effects related to geology, hydrogeology and land contamination.

Ecology

The EIA for this development should include sufficient information to enable the local planning authority to determine the extent of any environmental impacts arising from the proposed scheme on legally protected species, including those which may also comprise notified features of designated sites affected by the proposals.

Illustrations within the Environmental Statement

We recommend, that maps, drawings and illustrations that are produced to describe the project should be designed such that they can be overlaid maps, drawings and illustrations produced for other sections of the EIA such as biodiversity.

Description of Biodiversity

The EIA must include a description of all the existing natural resources and wildlife interests within and in the vicinity of the proposed development, together with an assessment of the likely impacts assessment of the significance of those impacts.

Agreeing the scope of ecological surveys

We advise that the scope of species surveys required to support a planning application is agreed in advance with your in-house Ecologist.

Key Habitats

We note that a Phase 1 survey of the site has been undertaken, although the date of this survey isn't clear. Providing that it is an up-to-date survey, the results of this should be included in the Environmental Statement for the proposals.

Protected Species

The site should be comprehensively assessed for its potential to support protected species. Surveys for protected species should be undertaken by suitably qualified, experienced and where necessary, licensed surveyors in accordance with published guidance, where this exists, and best practice; and completed in good time to inform the EIA.

We note that some protected species surveys were undertaken in 2017 and from these, otters, dormice and bats have been found across the application site. The ES should include the details of the protected species surveys undertaken to include survey methodology and constraints, results, and conclusions.

The ES should detail the likely impacts of the proposals on protected species and where impacts are anticipated, details of the measures that will be put in place to mitigate and/or compensate the anticipated impacts. In this case consideration will also need to be given to:

- Robust buffers to the ree network.
- Inclusion of a robust network of green infrastructure across the site, with appropriate buffers to the developed area, to provide habitat for and to allow dormice to use and move across the site.

- Comprehensive lighting details which demonstrate the retention of dark corridors across the site that coincide with the network of reens and green infrastructure across the site (to demonstrate that lighting will not be a constraint to protected species continuing to use the site).
- Comprehensive proposals for the management of water in the reen network, to ensure that neither water quality, nor the current water level management regime, are compromised/adversely affected.
- Long term habitat management proposals for the site (including any compensatory habitats) together with clarity on the long term security over its management e.g. who will be responsible for implementing these and how will it be financed.
- Post construction protected species and habitat monitoring.
- Phasing proposals which ensure the delivery of ecological mitigation and habitat creation early in the programme.
- Where EPS are present, information setting out how the three tests in Regulation 55 of the 'Conservation of Habitats and Species Regulations 2017' will be satisfied.

Further advice to applicant

We have provided advice here to inform any future planning applications for the proposed mainline station and park and ride facility. Please note that this is not exhaustive.

Flood Risk

As noted within the scoping report, the site lies entirely within Zone C1, as defined by the Development Advice Map (DAM) referred to under Technical Advice Note 15: Development and Flood Risk (TAN15) (July 2004). Our Flood Map information, which is updated on a quarterly basis, confirms the site to be within the 1% (1 in 100 year) and 0.1% (1 in 1000 year) annual probability flood outline. We confirm that a Flood Consequences Assessment would be required to support any future planning application at this site.

Foul Drainage

We note the intention to consult DCWW. We refer you to WG Circular 008/2018 on private drainage, and specifically paragraphs 2.3-2.5, which stress the first presumption must be to provide a system of foul drainage discharging into a public sewer. We advise you the proposed development is in a publicly sewered area.

Other Matters

Our comments above only relate specifically to matters that are included on our checklist Natural Resources Wales and Planning Consultations (March 2015) which is published on our website at this link ([checklist](#)).

We have not considered potential effects on other matters and do not rule out the potential for the proposed development to affect other interests, including environmental interests of local importance. The applicant should be advised that, in addition to planning permission, it is their responsibility to ensure that they secure all other permits/consents relevant to their development.

Please note that our comments are without prejudice to any comments we may make when consulted on any subsequent planning application or on the submission of a full EIA. At the time of any planning application, there may be new information available which we will need to take into account in making a formal response to your Authority.

If you have any further queries, please don't hesitate to contact us.

Yn gywir / Yours faithfully

Helen Griffiths

Ymgynghorydd Cynllunio Datblygu / Development Planning Advisor

Cyfoeth Naturiol Cymru / Natural Resources Wales

Ffon / Tel: 03000 653055

Gwefan / Website: www.cyfoethnaturiolcymru.gov.uk / www.naturalresourceswales.gov.uk

Ein diben yw sicrhau bod adnoddau naturiol Cymru yn cael eu cynnal, eu gwella a'u defnyddio yn gynaliadwy, yn awr ac yn y dyfodol.

Our purpose is to ensure that the natural resources of Wales are sustainably maintained, enhanced and used, now and in the future.

Annex 1

1. GENERAL

The Gwent Levels are an extensive tract of land bordering the Severn Estuary. It is divided into two areas comprising the Wentlooge Level, extending between Cardiff and Newport, and the Caldicot Level between Newport and Sudbrook Point near Caldicot.

These two Levels are further subdivided into six Sites of Special Scientific Interest (SSSIs) that were notified because of the range of aquatic plants and invertebrates associated with the reens and ditches of the drainage system. In summary, the special interest of the SSSI is dependent on the existence of the drainage system and its continued management, together with the quality and quantity of water in the reens and ditches. Any development that has an adverse impact on any of these factors may have an adverse impact on the wildlife for which the area was notified. We recommend that our Gwent Levels documents "*Nature Conservation and Physical Developments on the Gwent Levels*" and our interim guidance on monitoring be consulted for further details.

2. GWENT LEVELS SITES OF SPECIAL SCIENTIFIC INTEREST

The proposal is set wholly within The Gwent Levels: Rumney & Peterstone SSSI.

The variety of management practices and the timing and location of management within the ditches has led to the establishment of a rich variety of plants and associated populations of invertebrates. Many species are rare or absent in other levels systems in Great Britain. The Gwent Levels are important for both submerged plant species associated with open water, such as the hairlike pondweed *Potamogeton trichoides*, and emergent plants such as arrowhead *Sagittaria sagittifolia*. The invertebrate interest is associated with open water, emergent dominated ditches, flowery banks and adjacent hedgerows and supports species such as *Haliphus mucronatus*, *Hydrophilus piceus*, *Pipinculus fonsecai* and *Tomosvaryella minima*.

The area as a whole is particularly important for its large numbers of invertebrate species particularly snails and dragonflies, and includes the species *Physa heterostropha* and *Brachytron pratense* respectively. The area also supports plant species such as the rare thread-leaved water-crowfoot *Ranunculus trichophyllus* and small pondweed *Potamogeton berchotoldii*.

Copies of the citation; map; potentially damaging operation lists and Site Management Statement are available on our website.

Annex 2

The following information is included to assist with the assessment of impacts on the reens and drainage ditches that run across the site:

The following reens lie within the proposed development site:

- Feandre Reen
- Green lane Reen
- Green lane branch Reen
- Ty-Ffynnon Reen
- Railway Reen
- St Mellons Reen

These reens play a pivotal role in managing flood risk in the area. The water levels are penned to separate levels in summer and winter, Summer Penning Level (SPL) and Winter Penning Level (WPL). The levels are adjusted depending on the weather but in general they are switched during October and April.

The water levels are controlled by a number of sluice structures, details below:

- Green Lane

Sluice W13 – ST: 26066 80410

Sluice W23 – ST: 25426 81023

Sluice W24 – ST: 25103 81512

- Green Lane Branch

Sluice W25 – ST: 24783 81543

- Faendre

Sluice W20 – ST: 24763 80508

- St Mellons Reen

Sluice W26 – ST: 25763 80749

Sluice W27 – ST: 24878 79988

- Ty-Ffynnon

Sluice W29 – ST: 24909 80654

- Railway Reen

Sluice W31 – ST: 25101 80639

Although these sluices are on different reens, adjustments to any of these sluices affect all the reens not just the immediate watercourse.

The land south of the railway line is more prone to flooding than land to the north. This is due to the fact that they are penned to a lower AOD than the reens to the north of the railway line and are also affected far more by tidal locking.

Another potential issue is undersized culverts. The IDD maintained reens, sluices and culverts in the area were constructed 1985 – 1986. At the time it was deemed that 900mm pipes in the culverts were sufficient. However, it is planned for the culverts to be upgraded

to 1200mm in future to accommodate potential climate change and increased rainfall and increasing development with greater water runoff. The location of these culverts are:

Ty-Ffynnon Reen

ST: 25220 81207

ST: 25193 81097

ST: 25144 81028

ST: 25106 80929

ST: 25093 80821

ST: 24911 80651

Railway Reen

ST: 25019 80699

St Mellons Reen

ST: 25674 80646

ST: 25121 80159

ST: 24998 80100

ST: 24878 79988

From: Walter, Tim <TWalter@cardiff.gov.uk>
Sent: 19 March 2019 12:52
To: Juan R. Dominguez
Cc: Green, Jon; Maddox, Ian
Subject: [External] RE: Cardiff Parkway LVIA viewpoints

Hi Juan,

Thanks for the emails.

I agree with Ian Maddox that the LVIA should include viewpoints from Hendre Lake as suggested by Ian in his email. I'd also suggest an additional viewpoint on Cypress Drive, one from the northern end and one from the middle/southern end as shown plus Hendre Lake should suffice.

Otherwise your suggested viewpoints appear to capture good range of short and long range views.

Kind regards,

Tim Walter

Prif Gynllunydd: Rheoli Datblygu Strategol a Gwella Cymunedau | Principal Planner: Development Management Strategic & Placemaking

Cynllunio, Trafnidiaeth a'r Amgylchedd | Planning, Transport and Environment

Cyngor Caerdydd | Cardiff Council

twalter@caerdydd.gov.uk | twalter@cardiff.gov.uk

☎ 029 2233 0820

Ystafell 223, Neuadd y Sir, Glanfa'r Iwerydd, Caerdydd, CF10 4UW

Room 223, County Hall, Atlantic Wharf, Cardiff, CF10 4UW

Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg a Saesneg a byddwn yn sicrhau ein bod yn cyfathrebu â chi yn yr iaith o'ch dewis, boed yn Saesneg, yn Gymraeg neu'n ddwyieithog cyhyd â'n bod yn ymwybodol o'ch dewis. Cysylltwch â twalter@caerdydd.gov.uk i nodi dewis iaith. Os na fyddwn yn derbyn eich dewis iaith, byddwn yn parhau i gyfathrebu â chi yn unol â'r weithdrefn bresennol. Ni fydd gohebu yn Gymraeg yn creu unrhyw oedi.

The Council welcomes correspondence in English or Welsh and we will ensure that we communicate with you in the language of your choice, whether that's English, Welsh or in Bilingual format as long as we know which you prefer. Please contact twalter@cardiff.gov.uk to register your language choice. If we do not receive your language choice, we will continue to correspond with you in accordance with current procedure. Corresponding in Welsh will not lead to any delay.

From: Juan R. Dominguez [<mailto:Juan-R.Dominguez@arup.com>]

Sent: 18 March 2019 12:03

To: Walter, Tim

Cc: Green, Jon

Subject: RE: Cardiff Parkway LVIA viewpoints

Hi Will,

Any further comments on the previously attached viewpoint selection or you are happy with me to progress in this basis?

Thanks,

Juan R. Dominguez

Senior Landscape Architect
BEng(Hons) MLA CMLI

Arup

4 Pierhead Street Cardiff CF10 4QP United Kingdom

d: +44 29 2026 6562 m: +44 77 2645 7464

www.arup.com

Connect with me on [LinkedIn](#)

Follow [@ArupUKMEA](#)



From: Maddox, Ian <Ian.Maddox@cardiff.gov.uk>

Sent: 15 March 2019 3:48 PM

To: Juan R. Dominguez <Juan-R.Dominguez@arup.com>; Walter, Tim <TWalter@cardiff.gov.uk>

Cc: Green, Jon <JGreen@cardiff.gov.uk>; Baker, Edward <EBaker@cardiff.gov.uk>

Subject: [External] RE: Cardiff Parkway LVIA viewpoints

Hi Juan

Unfortunately none of us are experts on LVIA. Impact of the scheme from Hendre Lake (particularly around the lake and from raised areas within the Park – possibly where the Word War 1 Memorial is located) will be of particular importance.

I've forwarded your e-mail to Tim Walter who may be involved with the scheme (or can forward it to the relevant officer). It might be something the Placemaking team could provide views on?

Regards

Ian

From: Juan R. Dominguez [<mailto:Juan-R.Dominguez@arup.com>]

Sent: 15 March 2019 15:26

To: Green, Jon; Baker, Edward; Maddox, Ian

Subject: Cardiff Parkway LVIA viewpoints

***** Warning: This email contains a Microsoft Office (Word, Excel, PowerPoint) or Adobe PDF attachment. Although this email has been scanned for threats, please think before opening attachments from unrecognised senders.**

Rhybudd: Mae'r e-bost hwn yn cynnwys atodiad Microsoft Office (Word, Excel, PowerPoint) neu PDF Adobe. Er bod yr e-bost hwn wedi'i sganio ar gyfer unrhyw fygythiadau, meddyliwch cyn agor atodiadau gan anfonwyr nad ydych yn eu hadnabod.

Hi All,

I am working on the Cardiff Parkway project LVIA and was wondering who would be the best landscape person in CCC to engage with in relation to this. I would like to agree the location of viewpoints before going to site next week. Please find attached indicative figure and I will discuss on the phone when you let me know.

Kind regards,

Juan R. Dominguez
Senior Landscape Architect
BEng(Hons) MLA CMLI

Arup
4 Pierhead Street Cardiff CF10 4QP United Kingdom
d: +44 29 2026 6562 m: +44 77 2645 7464
www.arup.com

Connect with me on [LinkedIn](#)
Follow [@ArupUKMEA](#)



Electronic mail messages entering and leaving Arup business systems are scanned for viruses and acceptability of content.

The Council welcomes correspondence in Welsh, English or bilingually. We will ensure that we communicate with you in the language of your choice, as long as you let us know which you prefer. Corresponding in Welsh will not lead to delay.

Privileged/Confidential Information may be contained in this message. If you are not the addressee indicated in this message (or responsible for delivery of the message to such person), you may not copy or deliver this message to anyone. In such case, you should destroy this message and kindly notify the sender by reply email. Please advise immediately if you or your employer does not consent to Internet email for messages of this kind.

Agnieszka Lopez-Parodi

From: Environment (SRS Wales) <Environment-SRSWales@valeofglamorgan.gov.uk>
Sent: 21 February 2020 09:04
To: Agnieszka Lopez-Parodi
Subject: [External] RE: Environmental Information Request Ref: CLEIR-20-12: Cardiff Parkway
Attachments: CLEIR-20-12 Response.pdf

Good morning

Thank you for confirming payment. Please see the attached response to the above enquiry.

Regards

Deborah



Deborah Margetson

Specialist Services Officer – Environment (Enterprise and Specialist Services)

Shared Regulatory Services / Gwasanaethau Rheoliadol a Rennir

Bridgend, Cardiff and the Vale of Glamorgan

Pen-y-bont ar Ogwr, Caerdydd ar Bro Morgannwg

Website / Gwefan: <http://www.srs.wales> | <http://www.grhr.cymru>

e-mail / e-bost: EnvironmentSRSWales@valeofglamorgan.gov.uk

Phone / Ffôn: 03001236696

The Council welcomes correspondence in English or Welsh and we will ensure that we communicate with you in the language of your choice, whether that's English, Welsh or in Bilingual format as long as we know which you prefer. Please contact welshstandards@valeofglamorgan.gov.uk to register your language choice. If we do not receive your language choice, we will continue to correspond with you in accordance with current procedure. Corresponding in Welsh will not lead to any delay.

Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg a Saesneg a byddwn yn sicrhau ein bod yn cyfathrebu â chi yn yr iaith o'ch dewis, boed yn Saesneg, yn Gymraeg neu'n ddwyieithog cyhyd â'n bod yn ymwybodol o'ch dewis. Cysylltwch â welshstandards@valeofglamorgan.gov.uk i nodi dewis iaith. Os na fyddwn yn derbyn eich dewis iaith, byddwn yn parhau i gyfathrebu â chi yn unol â'r weithdrefn bresennol. Ni fydd gohebu yn Gymraeg yn creu unrhyw oedi.

*Consider the environment. Please don't print this e-mail unless you really need to.
Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen*

From: Agnieszka Lopez-Parodi <Agnieszka.lopez@arup.com>
Sent: 20 February 2020 16:21
To: Environment (SRS Wales) <Environment-SRSWales@valeofglamorgan.gov.uk>
Subject: RE: Environmental Information Request Ref: CLEIR-20-12: Cardiff Parkway

Good afternoon,

I can confirm that the payment has been made. I would be grateful if you could proceed with the search.

Thank you,

Agnieszka

Agnieszka Lopez-Parodi

Senior Engineer| Geotechnics| Geo-environmental
CEng MICE

Arup

4 Pierhead Street Capital Waterside Cardiff CF10 4QP United Kingdom

d: +44 29 2026 6614 m: +44 77 9630 2649

www.arup.com

Connect with Arup on [LinkedIn](#)

Follow [@ArupGroup](#)



Save a tree...please don't print this e-mail *unless you really need to*



Reduce CO2 ... please don't respond to or forward this email *unless you really need to*

Our Ref: SRS/E/DMM/CLEIR-20-12

Date: 21st February 2020

By email: Agnieszka.lopez@arup.com

For the attention of Agnieszka Lopez-Parodi, Senior Engineer, Arup.

Dear Sirs,

**Re: Request for Environmental Information
Environmental Information Regulations 2004
Site: CLEIR-20-12: Cardiff Parkway**

I refer to your correspondence of 20th January 2020. I consider that your request is a request for environmental information as defined by Regulation 2 of the Environmental Information Regulations 2004 and my response is detailed below, in relation to those areas within the county boundary of City of Cardiff*.

Sites of potential concern under Part II A within 250m of the site boundary.

Available records indicate the following two historical landfill sites that have been reviewed as part of the Authority's Contaminated Land Strategy and concluded to be a low priority for investigation (see also the sketch plan below; not to scale and subject to Copyright Cardiff County Council, Licence Number 100023376) :

1.

Name: 10 Acre Site, Fortran Road
Grid Ref: 325052, 181787
Comments: On site investigations in 2007 for commercial development, indicate 'Characteristic Situation 1', requiring no special ground gas protection measures. SI report available for information only, on request.

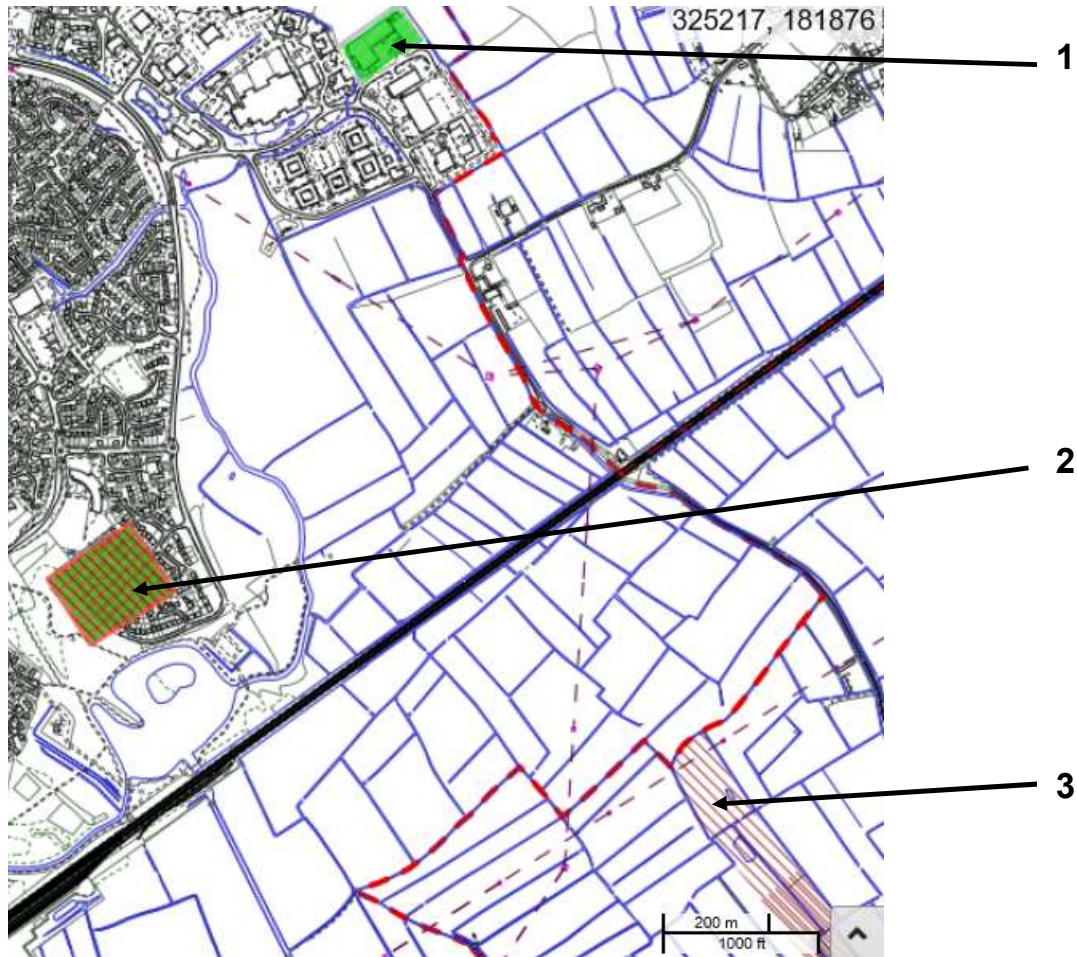
2.

Name: Pil Du Lake Landfill
Grid Ref: 324508, 180714
Holder Ref: EAHLD14145
WRC Ref: 6815/0085
Waste Licence holder: Cardicot & Wentros.
1st input: 31/12/1966
Last input: 31/12/1990
Waste Type: Inert
Comments: Anecdotal records indicate made ground using excavation material from construction of lake; organic type soils, peat rich.

*The following record relates to historical landfill, located out of County; you are advised to also contact the relevant LA for further information (see also the sketch plan below; not to scale and subject to Copyright Cardiff County Council, Licence Number 100023376) :

3

Name:	Swn_Y-Mor Farm No 1
Holder Ref:	EAHLD15037
WRC Ref:	6935/0061
Lic Holder:	T P Nolan
Waste Type:	Inert, industrial, commercial, household
Comments:	Tyres, builders' rubble, metal and general waste. Enforcement notice to remove waste issued in 1995.



Private water supply locations within 1km of the site boundary.

SRS can confirm there are no private water supplies registered with the local authority located within 1km of the site boundary.

It must be understood that the information provided above is based on records and files from various sources and of varying reliability. Furthermore, office records are being compiled on an on-going basis. Consequently, the Council is not able to offer any warranty as to the accuracy or completeness of the information provided, nor can it accept any liability whatsoever for any loss or damage arising from the interpretation and/or use of the information.

I hope that I have satisfied your request for information, but please contact me to discuss the matter further if you consider that I have not. However, you should also be aware that Regulation 11 of the Environmental Information Regulations 2004 allows for you to make representations to the Council in relation to your request for environmental information if it appears to you that the Council has failed to comply with a requirement of the Regulations in relation to the request. Representations under Regulation 11(1) can be made in writing to Dave Parsons Information Governance Manager, Improvement & Information Management Room 108, County Hall, Atlantic Wharf, Cardiff, CF10 4UW no later than 40 working days after the date on which you believe that the Council has failed to comply with the requirement. The enforcement and appeal provisions of the Freedom of Information Act 2004 apply to the Environmental Information Regulations 2004 subject to the modifications provided by Regulation 18.

You can find out more about the Environmental Information Regulations from the Information Commissioner at:

Information Commissioner's Office – Wales
2nd Floor
Churchill House
Churchill Way
Cardiff
CF10 2HH

http://www.ico.org.uk/about_us/our_organisation/wales

Tel: 02920 678 400
Fax: 02920 448 045
Email: Wales@ico.gsi.gov.uk

I hope that the above is of assistance.

Yours sincerely



Deborah Margetson
Specialist Services Officer, Environment
Shared Regulatory Service
Bridgend, Cardiff & the Vale of Glamorgan

Agnieszka Lopez-Parodi

From: Rogers, Leighton <lrogers@valeofglamorgan.gov.uk>
Sent: 11 February 2020 11:49
To: Agnieszka Lopez-Parodi
Subject: [External] Part B /A2 processes within 250m of Parkway development
Attachments: closest Part B receptors.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good morning Agnieszka

I confirm that there are no Part A2 or Part B processes within 250m of the development. I have attached for your ref a screendump of the approx. distances (taken from google maps). As shown, the closest part B processes are:

Neals Soils/Neal Environmental
St Mellons Service Station
Tesco St Mellons Service Station

There are no A2 processes within the area , however, I would advise though that you make contact with NRW in order to determine if there are any A1 processes within the area

Best regards
Leighton

Leighton Rogers
Shared Regulatory Services
Vale of Glamorgan Council / Cyngor Bro Morgannwg
tel / ffôn: 07976 111633
e-mail / e-bost: lrogers@valeofglamorgan.gov.uk

Good morning,

I have been advised to contact your department regarding information on Part A and B IPPC processes with respect to the Cardiff Parkway development and surrounding 250m – please refer to the attached site plan.

Please let me know if you require any further information.

Kind regards,
Agnieszka

Google Maps interface showing the location of Neal Soil Suppliers Ltd in Newton Rd, Rumney, St. Mellons, Cardiff CF3 2EJ. The map displays the surrounding area, including roads like Wentloog Ave and B4239, and nearby businesses such as UPS Cardiff, Eurobond Doors, and 121 Waste Management and Skip Hire. A distance measurement tool is active, showing a total distance of 1.52 km (4,984.50 ft).

Neal Soil Suppliers Ltd
4.7 ★★★★★ (6)
Waste-Management Service

Directions Save Nearby Send to your phone Share

Newton Rd, Rumney, St. Mellons, Cardiff CF3 2EJ
GV2W+8H Cardiff
neal-soils.co.uk
029 2079 7835
Open now: 7am–5:30pm

Measure distance
Click on the map to add to your path
Total distance: 1.52 km (4,984.50 ft)

Google Maps interface showing the location of Tesco St Mellons Superstore in Crickhowell Rd, St. Mellons, Cardiff CF3 0EF. The map displays the surrounding area, including roads like Willowbrook Dr and Cypress Dr, and nearby businesses such as Boots, Home Start, and Willowbrook Primary School. A distance measurement tool is active, showing a total distance of 995.74 m (3,266.86 ft).

Tesco St Mellons Superstore
3.8 ★★★★★ (159) • £
Supermarket

Directions Save Nearby Send to your phone Share

Crickhowell Rd, St. Mellons, Cardiff CF3 0EF
GVFW+QJ Cardiff
tesco.com
0345 677 9598
Open now: 6am–10pm

Measure distance
Click on the map to add to your path
Total distance: 995.74 m (3,266.86 ft)

<https://www.google.co.uk/maps/place/St+Mellons+Service+Station/@51.5264771,-3.1016906,1930m/data=!3m1!1e3!4m3!4m1!1s0x4061d8548a...>

St Mellons Service Station, Newp

St Mellons Service Station

3.5 (2)

Petrol Station

Newport Rd, St. Mellons, Cardiff CF3 5UG

Located in: Texaco

GVJX+34 Cardiff

029 2077 7057

Open now: 6am–10pm

Measure distance

Click on the map to add to your path

Total distance: 891.01 m (2,923.27 ft)

Agnieszka Lopez-Parodi

From: Bale, Jason <jabale@valeofglamorgan.gov.uk>
Sent: 07 August 2018 09:05
To: Agnieszka Lopez-Parodi
Cc: TWalter@cardiff.gov.uk; Dan Raynor; Tim Wilkinson; Charlie Martin
Subject: [External] RE: Cardiff Parkway development - ground gas monitoring regime

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Agnieszka

Apologies in the delay in responding to you on this.

I can confirm that I am happy with the proposed methodology for the ground gas assessment. Given the challenging ground conditions that are likely to be encountered the proposal to assess the ground gas in installations which will represent the band drains is an acceptable approach. I also note where ground conditions allow shallow installations will also be installed and further monitoring undertaken to support the assessment.

I trust that this is acceptable with you but please do not hesitate to contact me further.

Best regards

Jason



Jason Bale | Team Manager – Environment (Enterprise and Specialist Services)

Shared Regulatory Services / Gwasanaethau Rheoliadol a Rennir

Bridgend, Cardiff and the Vale of Glamorgan

Pen-y-bont ar Ogwr, Caerdydd ar Bro Morgannwg

Phone | Ffôn: 02920 871 896

Mobile phone | Ffôn symudol: 07968 901 945



[Follow us on Twitter / Dilynwch ni ar Twitter](#)

The Council welcomes correspondence in English or Welsh and we will ensure that we communicate with you in the language of your choice, whether that's English, Welsh or in Bilingual format as long as we know which you prefer. Please contact welshstandards@valeofglamorgan.gov.uk to register your language choice. If we do not receive your language choice, we will continue to correspond with you in accordance with current procedure. Corresponding in Welsh will not lead to any delay.

Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg a Saesneg a byddwn yn sicrhau ein bod yn cyfathrebu â chi yn yr iaith o'ch dewis, boed yn Saesneg, yn Gymraeg neu'n ddwyieithog cyhyd â'n bod yn ymwybodol o'ch dewis. Cysylltwch â welshstandards@valeofglamorgan.gov.uk i nodi dewis iaith. Os na fyddwn yn derbyn eich dewis iaith, byddwn yn parhau i gyfathrebu â chi yn unol â'r weithdrefn bresennol. Ni fydd gohebu yn Gymraeg yn creu unrhyw oedi.

*Consider the environment. Please don't print this e-mail unless you really need to.
Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen.*



From: Agnieszka Lopez-Parodi [mailto:Agnieszka.lopez@arup.com]
Sent: 27 July 2018 12:25
To: Bale, Jason
Cc: TWalter@cardiff.gov.uk; Dan Raynor; Tim Wilkinson
Subject: RE: Cardiff Parkway development - ground gas monitoring regime

Jason,

I was wondering if you had a chance to review our proposals for the ground gas monitoring regime as per our email below?


Please let me know should you have any queries.

Kind regards,
Agnieszka

Agnieszka Lopez-Parodi
Senior Engineer| Geotechnics| Geo-environmental
CEng MICE

Arup
4 Pierhead Street Capital Waterside Cardiff CF10 4QP United Kingdom
d: +44 29 2026 6614 m: +44 77 9630 2649
www.arup.com

Connect with Arup on [LinkedIn](#)
Follow [@ArupGroup](#)

 Save a tree...please don't print this e-mail *unless you really need to*

From: Agnieszka Lopez-Parodi
Sent: 19 July 2018 5:06 PM
To: Bale, Jason <jabale@valeofglamorgan.gov.uk>
Cc: 'TWalter@cardiff.gov.uk' <TWalter@cardiff.gov.uk>; Dan Raynor <dan.raynor@arup.com>
Subject: Cardiff Parkway development - ground gas monitoring regime

Jason,

As you may be aware, Cardiff Parkway Development Ltd intends to develop land to the south of the existing St Mellons Business Park, to the east of Cardiff, into a new mixed-use business and retail park, including a new train station. The preliminary geo-environmental review identified the ground gas as one of the key risks to the proposed development due to the presence of organic natural deposits including peat bands. The Environmental Impact Assessment Scoping Report dated 5 July 2018 highlighted this as one of the key issues requiring assessment.

To inform the ground gas risk assessment process we are proposing to undertake ground gas monitoring as part of the forthcoming ground investigations. We have derived the scope based on an initial ground gas conceptual model. Please see attached for your consideration.

I trust this approach of ground gas monitoring meets with your approval. However, I would welcome any comments you may have, which we could discuss at your convenience.

I look forward to hearing from you.

Kind regards,

Agnieszka

Agnieszka Lopez-Parodi

Senior Engineer| Geotechnics| Geo-environmental
CEng MICE

Arup

4 Pierhead Street Capital Waterside Cardiff CF10 4QP United Kingdom

d: +44 29 2026 6614 m: +44 77 9630 2649

www.arup.com

Connect with Arup on [LinkedIn](#)

Follow [@ArupGroup](#)



Save a tree...please don't print this e-mail *unless you really need to*

Electronic mail messages entering and leaving Arup business systems are scanned for viruses and acceptability of content

Agnieszka Lopez-Parodi

From: Peter Mackintosh (Senior Scientific Officer) <Peter.Mackintosh@newport.gov.uk>
Sent: 06 September 2018 11:40
To: Agnieszka Lopez-Parodi
Subject: [External] RE: Cardiff Parkway Development ES request for information
Attachments: Cardiff Parkway.jpg; Cardiff Parkway.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Agnieszka,

Please find attached the information requested. If you have any questions please feel free to contact me.

Kind regards,

Peter Mackintosh
Uwch Swyddog Gwyddonol / Senior Scientific Officer
Y Gyfraith a Rheoleiddio / Law & Regulation
Cyngor Dinas Casnewydd / Newport City Council

Tel: **01633210850**
Mob: **07976 975454**
Email: Peter.Mackintosh@Newport.gov.uk
Web: <http://www.newport.gov.uk/en/Home.aspx>



From: Agnieszka Lopez-Parodi [mailto:Agnieszka.lopez@arup.com]
Sent: 06 September 2018 09:15
To: Peter Mackintosh (Senior Scientific Officer)
Subject: RE: Cardiff Parkway Development ES request for information

Peter,

Thank you very much for getting back to me. I have attached the plan showing the planning boundary. The site is located on the edge of the Cardiff City Council area, however the study area for the site encroaches onto the Newport City Council land.

I would be grateful for information within 250m of the site boundary, except for the private water supplies data – please apply 1km search radius:

- Part II A designations; Any known remediation that have been completed/ on-going/ planned?
Ground investigations factual and interpretative reports.
- Sites of potential concern under Part II A;

- Historical underground storage tanks;
- Part A and B IPPC processes;
- Storage and usage of radioactive materials;
- Private water supply locations;

Please let me know if you would require any further information.

Kind regards,
Agnieszka

Agnieszka Lopez-Parodi
Senior Engineer| Geotechnics| Geo-environmental
CEng MICE

Arup
4 Pierhead Street Capital Waterside Cardiff CF10 4QP United Kingdom
d: +44 29 2026 6614 m: +44 77 9630 2649
www.arup.com

Connect with Arup on [LinkedIn](#)
Follow [@ArupGroup](#)



Save a tree...please don't print this e-mail *unless you really need to*

From: Peter Mackintosh (Senior Scientific Officer) [mailto:Peter.Mackintosh@newport.gov.uk]
Sent: 05 September 2018 11:16 AM
To: Agnieszka Lopez-Parodi <Agnieszka.lopez@arup.com>
Subject: [External] RE: Cardiff Parkway Development ES request for information

Hi Agnieszka,

With regards to Contaminated Land and Private Water Supplies within the Newport area I will be able to provide you with the information. Could you please send me a map of the site boundary and what buffer area you require the information for.

Kind regards,

Pete
Peter Mackintosh
Uwch Swyddog Gwyddonol / Senior Scientific Officer
Tel: **01633210850**
Mob: **07976 975454**

From: Agnieszka Lopez-Parodi [<mailto:Agnieszka.lopez@arup.com>]
Sent: 04 September 2018 10:28
To: Stephen Williams (West Area Development Manager)
Subject: Cardiff Parkway Development ES request for information

Dear Stephen,

As part of the Arup Cardiff Parkway project team I am working on the Environmental Statement and I need to request information with respect to land contamination and private water supplies. Who would be the best person to contact?

Kind regards,
Agnieszka

Agnieszka Lopez-Parodi
Senior Engineer| Geotechnics| Geo-environmental
CEng MICE

Arup
4 Pierhead Street Capital Waterside Cardiff CF10 4QP United Kingdom
d: +44 29 2026 6614 m: +44 77 9630 2649
www.arup.com

Connect with Arup on [LinkedIn](#)
Follow [@ArupGroup](#)

 Save a tree...please don't print this e-mail *unless you really need to*

Electronic mail messages entering and leaving Arup business systems are scanned for viruses and acceptability of content

Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg, Saesneg neu yn y ddwy iaith. Byddwn yn cyfathrebu â chi yn ôl eich dewis. Ni fydd gohebu yn Gymraeg yn arwain at oedi.

The Council welcomes correspondence in English or Welsh or both, and will respond to you according to your preference. Corresponding in Welsh will not lead to delay.

Disclaimer/Ymwadiad

This email contains information intended for the addressee only and may be confidential, the subject of legal or professional privilege, or be otherwise protected from disclosure. If you are not the intended recipient of this message, please notify the sender immediately and do not disclose, distribute or copy the email to any other party. This email and any attached file are the property of Newport City Council.

Ask for / Gofynnwch am
ur Re / Ein Cyf
Your Re / Eich Cyf
Tel / Ffôn
Direct Dial / Rhif Union
DX
E-Mail / E-Bost

Peter Mackintosh

01633 656656

TBC

Peter.Mackintosh@newport.gov.uk

Regeneration and Regulatory Services

Gwasanaethau Adfywio a Rheoliadol

Environmental Health / Iechyd yr Amgylchedd

Civic Centre / Canolfan Ddinesig

Newport / Casnewydd

South Wales / De Cymru

NP20 4UR



Agnieszka Lopez-Parodi

Senior Engineer

ARUP

4 Pierhead Street

Capital Waterside

Cardiff

CF10 4QP

Date: 06/09/18

Dear Agnieszka,

RE: Environmental Information Request (EIR) – Cardiff Parkway Development

Thank you for requesting information regarding the Cardiff Parkway Development which was received on the 6th September 2018. Your request has been considered under the Environmental Information Regulations 2004.

- 1. Part IIA designations: Any known remediation that have been completed / on-going / planned? Ground investigations factual and interpretative reports.*

There are no designated Part IIA sites within 250m of the site boundary within the Newport City Council District. There are no known site investigation reports, factual or interpretive within 250m of the site boundary within the Newport City Council District held in the Environmental Health Archive.

- 2. Sites of potential concern under Part IIA*

There are no potential Part IIA sites within 250m of the site boundary within the Newport City Council District.

However, records obtained from the Environment Agency indicate an area adjacent to the southern boundary of the site that may have been subject to some form of landfilling activity in the mid 1990's. Please see attached map Extract. There is no further information on this entry within our archive. For further details please contact National Resource Wales / Environment Agency.

- 3. Historical underground Storage Tanks*

There are no known underground storage tanks within 250m of the site boundary within the Newport City Council District.

- 4. Part A and B IPPC Process*

Part A1 processes are not regulated by the local authority. Please consult National Resource Wales for an up to data search of Part A1 processes within 250m of the site boundary.

With regards to Part A2 and Part B processes, there are no known permitted processes within 250m of the site boundary within the Newport City Council District.

5. *Storage and usage of Radioactive Materials*

There are no known records of any storage or usage of radioactive records within 250m of the site boundary within the Newport City Council District held in the Environmental Health Archive.

6. *Private Water Supplies*

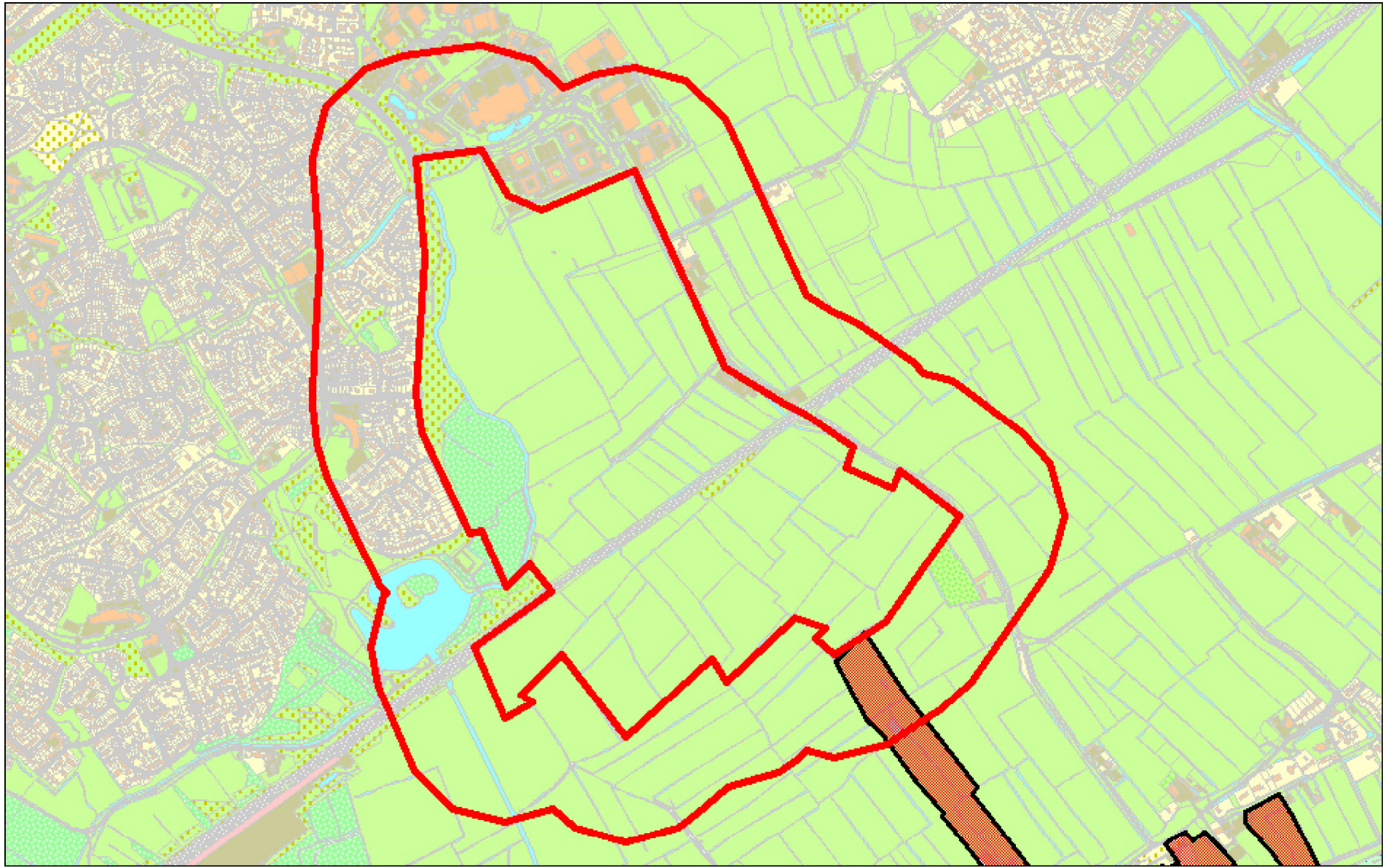
There are no known private water supplies that are regulated by Environmental Health within 1km of the site boundary within the Newport City Council District.

I hope you find this information useful. Should you require anything further please contact me using the details above.

Yours Sincerely

Peter Mackintosh
Senior Scientific Officer

Disclaimer – Please note the information provided relates to the records / information held on file by Environmental Health. The council's records may be incomplete with regards to historical environmental issues and therefore cannot be viewed as definitive.



Agnieszka Lopez-Parodi

From: Data Distribution <datadistribution@cyfoethnaturiolcymru.gov.uk>
Sent: 06 September 2018 16:13
To: Agnieszka Lopez-Parodi
Subject: [External] RE: Data request

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Agnieszka,

Thank you for your request, most of the data you require is available online;

- Abstraction Licence information is available on the online Public Register <https://nrwregulatory.naturalresources.wales/Permits>
- source protection zones, pollution incidents, industrial processes, discharge consents, historic landfills – this data can all be sourced from the Geo-portal for Wales Lle <http://lle.gov.wales/catalogue?lang=en&Text=&O=2&Page=&INSPIRE=False>
- Information about Licensed waste sites can be obtained from Lle along with the Public Register <https://naturalresources.wales/permits-and-permissions/check-for-a-permit-licence-or-exemption/?lang=en> and our website <https://naturalresources.wales/WastePermitMap?lang=en>
- Aquifer Designation maps are available via this link on the BGS website <http://mapapps2.bgs.ac.uk/geoindex/home.html?topic=Hydrogeology%20Wales>
- If you are reusing any of the data from the above links please ensure you refer to the relevant terms and conditions of use (for example the Open Government Licence for the data on Lle) and include the appropriate attribution statements.
- you will need to provide us with a time period that the groundwater quality and surface water quality data are required for.

Kind regards,

External Relations Team

E-bost / E-mail: datadistribution@cyfoethnaturiolcymru.gov.uk

Gwefan / Website: www.cyfoethnaturiolcymru.gov.uk / www.naturalresourceswales.gov.uk

Ewch i / Browse our [Data Services Webpage](#)

Yn falch o arwain y ffordd at ddyfodol gwell i Gymru trwy reoli'r amgylchedd ac adnoddau naturiol yn gynaliadwy.

Proud to be leading the way to a better future for Wales by managing the environment and natural resources sustainably.



Croesewir gohebiaeth yn y Gymraeg a'r Saesneg / Correspondence welcomed in both Welsh and English.
Ffoniwch ni ar 03000 65 3000 (24-awr) i roi gwybod am ddigwyddiadau amgylcheddol / Call us on 03000 65 3000 (24-hour) to report environmental incidents

From: Agnieszka Lopez-Parodi <Agnieszka.lopez@arup.com>
Sent: 06 September 2018 15:38
To: Data Distribution <datadistribution@cyfoethnaturiolcymru.gov.uk>
Subject: Data request

Good afternoon,

I would be grateful if you could provide me with the following information for the site as per attached drawing:

- groundwater abstractions (1km radius from the site boundary),
- source protection zone (1km radius from the site boundary) ,
- aquifer designation (1km radius from the site boundary),
- groundwater quality data (1km radius from the site boundary),
- surface water quality data (1km radius from the site boundary),
- pollution incidents (250m radius from the site boundary),
- industrial processes (250m radius from the site boundary),
- discharge consents(250m radius from the site boundary) ,
- historical and licenced landfills and other waste management facilities (250m radius from the site boundary) .


Please let me know if you need any further information.

Kind regards,
Agnieszka

Agnieszka Lopez-Parodi
Senior Engineer| Geotechnics| Geo-environmental
CEng MICE

Arup
4 Pierhead Street Capital Waterside Cardiff CF10 4QP United Kingdom
d: +44 29 2026 6614 m: +44 77 9630 2649
www.arup.com

Connect with Arup on [LinkedIn](#)
Follow [@ArupGroup](#)

 Save a tree...please don't print this e-mail *unless you really need to*

COFNOD / MEMORANDUM

I / To:	Tim Walter
Adran / Dept:	Planning Department
Dyddiad / Date:	17 July 2018
Eich Cyf / Your Ref:	SC/18/00002/MJR

Oddi Wrth / From:	Gillian Jones
Ein cyf / Our ref:	GJ3-3496/18
Ffôn / Tel:	03001236696
Ebost / Email:	gpjones@valeofglamorgan.gov.uk

SUBJECT: PROPOSAL : SCOPING OPINION FOR NEW MAINLINE STATION, PARK AND RIDE FACILITY AND ANCILLARY DEVELOPMENT
PLANNING APPLICATION NO: SC/18/00002/MJR, ST MELLONS BUSINESS PARK, FORTTRAN ROAD, TROWBRIDGE, CARDIFF, CF3 0LT

I refer to your memorandum received by this department on 09 July 2018, this department has to make the following comments regarding the above application.

Noise Comments

Arup, 5 July 2018; Environmental Impact Assessment Scoping Report for Cardiff Parkway, Ref: 252199-00

It is acknowledged that a traffic and transport assessment and a noise and vibration assessment will be undertaken as part of the EIA. The sections pertaining to these in the above report are 3.2 and 5.3.

My initial comments are that more than 4 monitoring locations may need to be considered near to noise sensitive receptors and that weekend periods should also be included in the assessment in accordance with BS 4142. Also that a Construction Environmental Management Plan (CEMP) is prepared and adhered to as part of the application.

GILLIAN JONES, NEIGHBOURHOOD SERVICES OFFICER

From: "Walter, Tim" <TWalter@cardiff.gov.uk>

To: "Liam Page" <Liam.Page@arup.com>
 "Damian Barry" <Damian.Barry@arup.com>

Date: 8/29/2018 6:03:09 AM

Subject: [External] FW: SC/18/00002/MJR, LAND SOUTH OF ST MELLONS BUSINESS PARK

Hi both,

Please see attached below comments from the Noise Pollution Officer on the submitted scoping report (without prejudice) for your attention.

Kind regards,

Tim Walter

Prif Gynllunydd: Rheoli Datblygu Strategol a Gwella Cymunedau | Principal Planner: Development Management Strategic & Placemaking

Cynllunio, Trafnidiaeth a'r Amgylchedd | Planning, Transport and Environment

Cyngor Caerdydd | Cardiff Council

twalter@caerdydd.gov.uk | twalter@cardiff.gov.uk

☎ 029 2233 0820

Ystafell 223, Neuadd y Sir, Glanfa'r Iwerydd, Caerdydd, CF10 4UW

Room 223, County Hall, Atlantic Wharf, Cardiff, CF10 4UW

Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg a Saesneg a byddwn yn sicrhau ein bod yn cyfathrebu â chi yn yr iaith o'ch dewis, boed yn Saesneg, yn Gymraeg neu'n ddwyieithog cyhyd â'n bod yn ymwybodol o'ch dewis. Cysylltwch â twalter@caerdydd.gov.uk i nodi dewis iaith. Os na fyddwn yn derbyn eich dewis iaith, byddwn yn parhau i gyfathrebu â chi yn unol â'r weithdrefn bresennol. Ni fydd gohebu yn Gymraeg yn creu unrhyw oedi.

The Council welcomes correspondence in English or Welsh and we will ensure that we communicate with you in the language of your choice, whether that's English, Welsh or in Bilingual format as long as we know which you prefer. Please contact twalter@cardiff.gov.uk to register your language choice. If we do not receive your language choice, we will continue to correspond with you in accordance with current procedure. Corresponding in Welsh will not lead to any delay.

From: Mapp, Gwyn [<mailto:gmapp@valeofglamorgan.gov.uk>]

Sent: 29 August 2018 11:45

To: Walter, Tim

Subject: RE: SC/18/00002/MJR, LAND SOUTH OF ST MELLONS BUSINESS PARK

Hi Tim,

Thanks for this.

I have had a look at the noise section and have only a few minor comments to make.

Firstly, the scoping report talks about consulting with us to iron out the noise levels we will be expecting. I would advise the applicant to do this as soon as they can;

Secondly, being a scoping report about the creating of a new railway station I would have expected the noise assessment to mention the impact, positive or negative, from the change in rail noise that will occur as a result of the station coming into operation. There is no mention of railway noise in the noise section of the scoping report. This oversight needs addressing as the railway line in question has been identified as a "Major Railway" by the Welsh Government's Action Planning Process.

Thirdly, Table 6 provides details of the noise thresholds for construction site noise, however the hours of work quoted are longer than are permitted. These hours will need to reflect the permitted hours of work of 08:00 – 18:00 Monday to Friday and 08:00 – 13:00 on Saturdays. There should be no noisy works audible beyond the site boundary outside of these hours unless the works are to be carried out when there is a line closure in place and prior approval has been given by Neighbourhood Services Team 2.

I hope this is OK. Please let me know if there are any problems.

Many thanks,

Gwyn

The Council welcomes correspondence in Welsh, English or bilingually. We will ensure that we communicate with you in the language of your choice, as long as you let us know which you prefer. Corresponding in Welsh will not lead to delay.

9/7/2018

Rowena Ekermawi

From: Lewis, Craig <craLewis@valeofglamorgan.gov.uk>
Sent: 03 March 2020 09:21
To: Philbert Chan; Lewis, Craig
Cc: Rosie Davies; Sofia Gkino; Rowena Ekermawi
Subject: RE: [External] RE: PA/18/00007/MJR Air Quality Comments - Cardiff Parkway

Hi Philbert,

Sorry for the delay in my response. I can confirm that I am satisfied by the sensitive receptor locations provided. In terms of quantifying the emissions generated by the car park emissions, I would be happy for you to provide this at a later stage. Do you have a timescale when there will be an understanding for the car park design?

Regards,

Craig



Craig Lewis | Specialist Services Officer (Specialist Enterprise Services)

Shared Regulatory Services / Gwasanaethau Rheoliadol a Rennir

Bridgend, Cardiff and the Vale of Glamorgan

Pen-y-bont ar Ogwr, Caerdydd ar Bro Morgannwg

Phone | Ffôn: 07970 439 650

The Council welcomes correspondence in English and Welsh and we will ensure that we communicate with you in your choice, whether that's English, Welsh or bilingual as long as you let us know which you prefer. Corresponding in any delay.

Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg a Saesneg a byddwn yn sicrhau ein bod yn cyfathrebu â chi yn eiddo eiddo yn Gymraeg, yn Saesneg neu'n ddwyieithog dim ond i chi roi gwybod i ni pa un sydd well gennych. Ni fyddwn creu unrhyw oedi.

*Consider the environment. Please don't print this e-mail unless you really need to.
Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen.*



From: Philbert Chan <Philbert.Chan@arup.com>
Sent: 26 February 2020 17:58
To: Lewis, Craig <Craig.Lewis@cardiff.gov.uk>; Lewis, Craig <craLewis@valeofglamorgan.gov.uk>
Cc: Rosie Davies <Rosie.Davies@arup.com>; Sofia Gkino <Sofia.Gkino@arup.com>; Rowena Ekermawi

<rowena.ekermawi@arup.com>

Subject: RE: [External] RE: PA/18/00007/MJR Air Quality Comments - Cardiff Parkway

Importance: High

Hi Craig

I'd like to give you an update with regards to our approach on the air quality assessment for Cardiff Parkway.

Receptors

We have now finalised the road network that we need to assess and we have chosen the worst-case receptors within 200m of the network. They include residential houses, schools and hospitals. Their locations are shown in the figure attached.

Car Park

We've been told by the client that the arrangement for car parking spaces is not yet confirmed as part of the outline planning application. The specific locations and size for each parking plot cannot yet be determined. As such it will not be possible to include any detailed modelling for emissions from car park at this stage. If required such detailed dispersion modelling can be carried out at the detailed design stage.

I'd be grateful if you could let me know if the receptors chosen, as well as approach for the modelling car parks, are agreeable, preferably **by the end of this week**.

Many thanks.

Kind regards
Philbert

From: Lewis, Craig <crlewis@valeofglamorgan.gov.uk>

Sent: 28 January 2020 09:40

To: Philbert Chan <Philbert.Chan@arup.com>; Lewis, Craig <Craig.Lewis@cardiff.gov.uk>

Cc: Rowena Ekermawi <rowena.ekermawi@arup.com>; Rosie Davies <Rosie.Davies@arup.com>; Sofia Gkino <Sofia.Gkino@arup.com>; Laurence Lovell <Laurence.Lovell@arup.com>

Subject: RE: [External] RE: PA/18/00007/MJR Air Quality Comments - Cardiff Parkway

Hi Philbert,

Thank you for the updated information. Subject to the outcomes of the initial assessment, I would be happy to see this element instated as a condition which would outline a need to review the modelling.

Regards,

Craig



Craig Lewis | Specialist Services Officer (Specialist Enterprise Services)

Shared Regulatory Services / Gwasanaethau Rheoliadol a Rennir

Bridgend, Cardiff and the Vale of Glamorgan

Pen-y-bont ar Ogwr, Caerdydd ar Bro Morgannwg

Phone | Ffôn: 07970 439 650

The Council welcomes correspondence in English and Welsh and we will ensure that we communicate with you in your choice, whether that's English, Welsh or bilingual as long as you let us know which you prefer. Corresponding in any delay.

Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg a Saesneg a byddwn yn sicrhau ein bod yn cyfathrebu â chi yn eiddo eiddo, yn Gymraeg, yn Saesneg neu'n ddwyieithog dim ond i chi roi gwybod i ni pa un sydd well gennych. Ni fyddwn creu unrhyw oedi.

*Consider the environment. Please don't print this e-mail unless you really need to.
Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen.*



From: Philbert Chan <Philbert.Chan@arup.com>

Sent: 27 January 2020 17:47

To: Lewis, Craig <crilewis@valeofglamorgan.gov.uk>; Lewis, Craig <Craig.Lewis@cardiff.gov.uk>

Cc: Rowena Ekermawi <rowena.ekermawi@arup.com>; Rosie Davies <Rosie.Davies@arup.com>; Sofia Gkino <Sofia.Gkino@arup.com>; Laurence Lovell <Laurence.Lovell@arup.com>

Subject: RE: [External] RE: PA/18/00007/MJR Air Quality Comments - Cardiff Parkway

Hi Craig

Many thanks for your reply.

There is one amendment that I need to make. It is now understood that there will be gas supply at the site, and the commercial buildings are likely to be equipped with gas fired boilers. However since this is an outline planning application, it is unknown how many buildings there will be, let alone any information regarding the combustion plant.

In view of this it will not be possible to carry out any detailed study (ie dispersion modelling) at this stage. Would it be acceptable that we acknowledge the presence of combustion plant within the site and carry out a detailed assessment at a later stage when further information becomes available?

Kind regards
Philbert

Sent from mobile

----- Original message -----

From: "Lewis, Craig" <crilewis@valeofglamorgan.gov.uk>

Date: 27/01/2020 15:06 (GMT+00:00)

To: Philbert Chan <Philbert.Chan@arup.com>, "Lewis, Craig" <Craig.Lewis@cardiff.gov.uk>
Cc: Rowena Ekermawi <rowena.ekermawi@arup.com>, Rosie Davies <Rosie.Davies@arup.com>, Sofia Gkino <Sofia.Gkino@arup.com>, Laurence Lovell <Laurence.Lovell@arup.com>
Subject: [External] RE: PA/18/00007/MJR Air Quality Comments - Cardiff Parkway

Hi Philbert,

Thank you for the detailed summary regarding the proposed scope of works. I can confirm that I am content with the proposals and outcomes following our brief discussion.

Regards,

Craig



Craig Lewis | Specialist Services Officer (Specialist Enterprise Services)

Shared Regulatory Services / Gwasanaethau Rheoliadol a Rennir

Bridgend, Cardiff and the Vale of Glamorgan

Pen-y-bont ar Ogwr, Caerdydd ar Bro Morgannwg

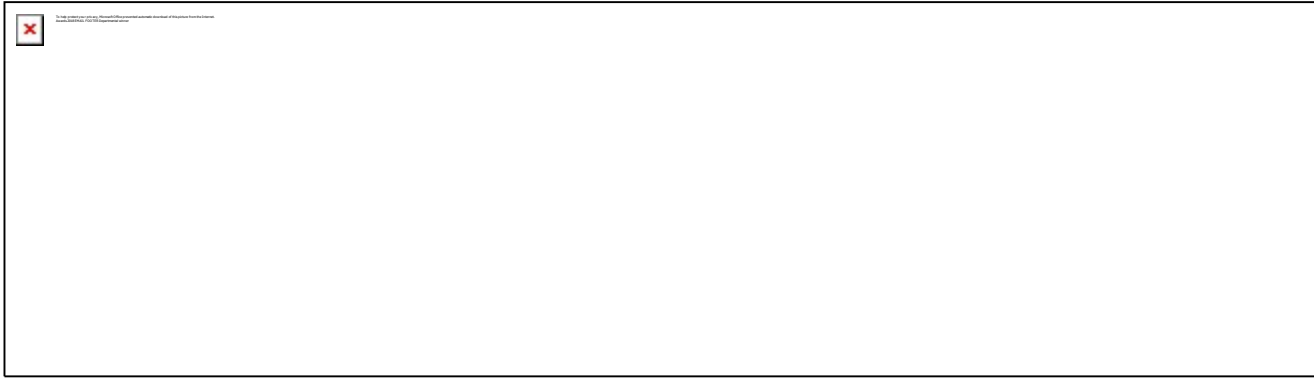
Phone | Ffôn: 07970 439 650

The Council welcomes correspondence in English and Welsh and we will ensure that we communicate in the language of your choice, whether that's English, Welsh or bilingual as long as you let us know which you prefer. Corresponding in Welsh will not lead to any delay.

Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg a Saesneg a byddwn yn sicrhau ein bod yn cyfathrebu chi yn y ddwyieithog dim ond i chi roi gwybod i ni pa un sydd chi'n ddiogel. Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen.

Consider the environment. Please don't print this e-mail unless you really need to.

Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen.



From: Philbert Chan <Philbert.Chan@arup.com>
Sent: 24 January 2020 15:35
To: Lewis, Craig <Craig.Lewis@cardiff.gov.uk>
Cc: Lewis, Craig <cralewis@valeofglamorgan.gov.uk>; Rowena Ekermawi <rowena.ekermawi@arup.com>; Rosie Davies <Rosie.Davies@arup.com>; Sofia Gkino <Sofia.Gkino@arup.com>; Laurence Lovell <Laurence.Lovell@arup.com>
Subject: RE: PA/18/00007/MJR Air Quality Comments - Cardiff Parkway

Hi Craig

Many thanks for your time this morning. It was very helpful to go through all the elements for the Cardiff Parkway AQA. Below is a summary of what we discussed.

Construction dust:

- Arup proposed not to carry out the risk assessment as per IAQM guidance, but with the provision of mitigation measures for high-risk site;
- However Cardiff Council recommends that such an assessment should be carried out, as from experience local residents complained about dust and questioned whether the mitigation measures were sufficient;
- A dust assessment will therefore be carried out, but it may need to be based on some assumptions, which will be stated in the report;

Diesel trains:

- Risk of impact from moving trains can be scoped out as the background annual mean NO₂ concentration is below 25µg/m³;
- With regards to idling/stationary trains, we agreed that this can be scoped out too. However supporting evidence should be provided in the report where possible;

Combustion plant:

- No combustion plant will be provided on site, hence no assessment is required;

Odour:

- No kitchen or other activity with odorous release is proposed. As such no odour assessment is required;

Traffic impact:

- Detailed assessment for construction and operational traffic using ADMS Roads dispersion modelling will be carried out, as the increase in traffic is above the screening threshold for non-AQMA areas as per IAQM/EPUK guidance;

Model verification:

- Arup carried out a 6-month diffusion tube monitoring survey around the site between April and October 2019;
- Data has been annualised to 2019 equivalent and will be used for verification;
- Monitoring included an urban background location. Data will be compared with Defra predicted background concentration and the appropriate data will be used;

Pollutants to assess:

- NO₂, PM₁₀ and P_{2.5}

Emission factors and background concentration

- The baseline year for verification will be 2019, construction year will be 2023, and full operation year will be 2028 (subject to changes);
- EF and background concentration for the **respective years** will be used;
- A sensitivity test will be included assuming there is no change in the EF and background concentration for the future years comparing with the baseline year 2019 (i.e. 2019 EF and background will be used for the future 2023 construction and 2028 operation scenarios). However it should be noted that this is overly conservative, especially for the 2028 scenario. Arup will make a judgement on whether the results are reasonable once they become available;

Car Park

- At present the scheme is at outline stage, hence it is likely that we will not have any detail on the surface car parking arrangements (i.e. how many car parks, their locations, spaces within each plots, and number of movements);
- Cardiff Council has requested a sensitivity test to be carried out to look at the potential impact from the car park emissions on the commercial receptors on site (against short-term objective); however this will depend on whether we have sufficient robust data to make any assumption for the car park for the sensitivity test. Arup will advise Cardiff Council on this;

Receptors

- Arup will provide a list and figure for the receptors to be assessed prior to the submission of the report to Cardiff Council;
- Ecological receptor will also be included as transect(s) as appropriate.

I'd be grateful if you could let me know if the above is an accurate summary of what we discussed, or if you have any further comment.

Many thanks.

Kind regards

Philbert Chan

Senior Air Quality Consultant | Environmental Consulting

BSc (Hons), MSc, MIAQM, MIEEnvSc

Arup

13 Fitzroy Street London W1T 4BQ United Kingdom

d: +44 20 7755 3446

www.arup.com

Connect with Arup on [LinkedIn](#)

Follow [@ArupGroup](#)

From: Lewis, Craig <Craig.Lewis@cardiff.gov.uk>

Sent: 01 May 2018 12:51

To: Walter, Tim <TWalter@cardiff.gov.uk>

Cc: DC Consultations / Ymgynghoriadau DC <DCConsultations@cardiff.gov.uk>; Connelly, Gail <Gail.Connelly@cardiff.gov.uk>; Lewis, Craig <cralewis@valeofglamorgan.gov.uk>

Subject: PA/18/00007/MJR Air Quality Comments

Hi Tim,

I do apologise about the delay in getting this response to you for PA/18/00007/MJR **HYBRID APPLICATION FOR A RAILWAY STATION, PARK & RIDE FACILITIES, EMPLOYMENT USES AND ASSOCIATED INFRASTRUCTURE.**

Due to the nature of the development it is a requirement that an Air Quality Assessment (AQA) is undertaken to assess the potential air quality impacts that the development may have on the local environment and amenity of the public due to combustion engine derived emissions; nitrogen dioxide (NO₂), sulphur dioxide (SO₂) and particulate matter generated via the use of the proposed interchange. I have outlined SO₂ as a parameter for consideration due to a locomotive aspect.

In accordance with best practise guidance, dependant on the supporting transport assessment and its projections for future traffic growth I would expect to see an examination of air quality levels at nearby

sensitive receptors which lie on road networks expected to be impacted by increased vehicle movements utilising the proposed development.

In addition to increased traffic movements and the potential impact to air quality, due to the commercial nature proposed for the station I would ask for the AQA to examine projected NO₂, & PM levels in accordance with the short term objectives set for these pollutants; **1- hour mean objective for NO₂ (200µg/m³ not to be exceeded more than 18 times a year) and 24- hour mean objective for PM₁₀ (50µg/m³ not to be exceeded more than 35 times a year).**

To account for the locomotive input to projected air quality modelling, the assessment should look to apply the approach outlined in LAQM TG.16 Sub Section Railway, 7.18- 7.19;

Railway

7.18 Diesel or coal fired stationary locomotives can give rise to high short-term NO₂ and SO₂ concentrations near railway stations or depots. Additionally, moving locomotives can contribute to elevated short-term NO₂ and SO₂ concentrations close to the track. It is likely that all sources of concern have been assessed in previous rounds of Review and Assessment, given the few number of railway lines not yet electrified. However, in case of new exposure near the lines of concern, local authorities may need to reassess these, based on the following:

Stationary diesel or steam locomotives:

- Identify locations where diesel or steam locomotives are regularly (at least 3 times a day) stationary for periods of 15 minutes or more; and**
- Determine relevant exposure within 15m of the locomotives.**

Moving diesel locomotives:

- Determine relevant exposure within 30m of the relevant railway tracks (Table 7.2 provides information on which lines should be considered); and**
- Identify whether the background annual mean NO₂ concentration is above 25µg/m³ in these areas.**

7.19 If the above criteria are matched, then the local authority should conclude that there is a risk of exceedance of the SO2 15-minute mean objective (for stationary locomotives) or the NO2 annual mean objective (for moving locomotives), and carry out a monitoring survey (6-month period minimum) at relevant receptors to determine whether an AQMA should be declared.

It must also be verified by the applicant whether the proposal will include an on site combustion plant? If it is outlined that a combustion plant is to be implemented on site, the AQA shall consider the cumulative impact expected from the on-site combustion plant and the modelled traffic emission data using the proposed development, examining projected levels for NO₂ and PM₁₀ at sensitive receptor locations. Should the assessment indicate that the development will negatively impact upon air quality and the amenity of public using the proposed development, then appropriate mitigation measures must be developed and their effectiveness assessed and be approved by the LPA prior to the development commencing.

It would be best practise for the applicant to contact me prior to undertaking any assessment to agree of scope of works for the AQA.

If you have any questions, please do not hesitate to contact me.

Kind Regards,

Craig



Craig Lewis BSc (Hons)

Specialist Services Officer– Environment (Enterprise and Specialist Services)

Shared Regulatory Services / Gwasanaethau Rheoliadol a Rennir

Bridgend, Cardiff and the Vale of Glamorgan

Pen-y-bont ar Ogwr, Caerdydd ar Bro Morgannwg

Mobile phone | Ffôn symudol: 07970 439 650

The Council welcomes correspondence in English and Welsh and we will ensure that we communicate with you in the language of your choice, whether that's English, Welsh or bilingual as long as you let us know which you prefer. Corresponding in Welsh will not lead to any delay.