Date: 04 July 2025
Our ref: 513166

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FAO: East London Joint Waste Plan Reg 19
London Boroughs of Barking and Dagenham,
Havering, Newham and Redbridge

BY EMAIL ONLY

Dear ELJWP,

Planning consultation: East London Joint Waste Plan Regulation 19
Location: London Boroughs of Barking and Dagenham, Havering, Newham and Redbridge

Thank you for your consultation on the above dated 19 May 2024 which was received by Natural England on the same date.

Natural England is a non-departmental public body. Our statutory purpose is to ensure that the natural environment is conserved, enhanced, and managed for the benefit of present and future generations, thereby contributing to sustainable development.

As the government's adviser on the natural environment, climate change is central to Natural England's work. Climate change is a profound threat to nature and people. The natural environment is experiencing the impacts of climate change and needs to recover, adapt to change and build resilience. Sustainable development can and should contribute to net zero through supporting nature recovery and climate change mitigation and adaptation, helping both nature and people adapt, through Nature-based Solutions.

East London Joint Waste Plan Regulation 19

We recognise the fact that our regulation 18 comments do appear to have been taken on board and that the overall aims of the plan have not changed broadly which means we have no reason at this point to raise questions about the soundness of the plan.

The points we must consider when looking at the plan from a soundness perspective would be: Positively prepared, Justified, Effective, and Consistent with National Policy. This plan would appear to have met those four tests from our perspective as we wouldn't have specific concerns to raise around any one of those. Given our previous regulation 18 comments regarding the release of sites from safeguarding, the document "Sites Identified for Release in Reg 19 ELJWP v2.2" is welcomed as this sets out the reasoning for why the four site are being proposed for release. The reasoning given, quoting paragraphs 9.9.2 and 9.9.3 of the London Plan, is logical and should mean the remaining sites within the plan area are used to their maximum. The treatment of waste higher up the waste hierarchy is always a good aim and should mean less is then land filled, and more is reused or recycled earlier on in the process, creating less waste.

The stated future use cases of the sites to be released would not impact on Epping Forest SAC given they all fall outside the 6.2km buffer zone for the strategic solution. The future uses of these sites, being broadly set out within regeneration plans in their respective areas, should mean an improvement in that area over the current situation as per the previously safeguarded waste uses on site.

Natural England welcomes the recognition of the Local Nature Recovery Strategy being developed by the Greater London Authority (GLA) in the plan vision and objectives to help establish wider ecological connectivity.

Habitats Regulations Assessment

The submission version of the HRA does take account of the designated sites and their associated impacts that we would deem needed screening in and takes account of these in relation to plan policies. The mitigation as set out within policies JWP4 and JWP5 should mean that any proposed work carried out on existing sites to make full use of their capacity is only permitted when it has met as many requirements for minimising impacts as possible. The conclusion of the HRA, having looked at the appropriate assessment, is acceptable to NE and would not be an issue.

The requirement to consider all proposed new sites under Policy JWP 4 should mean that any ill-conceived proposals are rejected, and protections are correctly afforded to the likes of Epping Forest SAC.

Further general advice on the consideration of protected species and other natural environment issues is provided at Annex A.

If you have any queries relating to the advice in this letter please contact me on 0208 026 3893.

Yours sincerely,

Piotr Behnke
Higher Officer
Thames Solent Team

Annex 1 - Natural England's Local Plan Advice

Biodiversity and Geodiversity

The Plan should set out a strategic approach, planning positively for the creation, protection, enhancement and management of networks of biodiversity. There should be consideration of geodiversity conservation in terms of any geological sites and features in the wider environment.

A strategic approach for networks of biodiversity should support a similar approach for green infrastructure (outlined below). Planning policies and decisions should contribute and enhance the natural and local environment, as outlined in para 180 of the NPPF. Plans should set out the approach to delivering net gains for biodiversity. Net gain for biodiversity should be considered for all aspects of the plan and development types, including transport proposals, housing and community infrastructure.

Priority habitats, ecological networks and priority and/or legally protected species populations

The Local Plan should be underpinned by up-to-date environmental evidence. This should include an assessment of existing and potential components of local ecological networks. This assessment should inform the Sustainability Appraisal, ensure that land of least environment value is chosen for development, and that the mitigation hierarchy is followed and inform opportunities for enhancement as well as development requirements for particular sites.

Priority habitats and species are those listed under Section 41 of the Natural Environment and Rural Communities Act, 2006 and UK Biodiversity Action Plan (UK BAP). Further information is available here: Habitats and species of principal importance in England. Local Biodiversity Action Plans (LBAPs) identify the local action needed to deliver UK targets for habitats and species. They also identify targets for other habitats and species of local importance and can provide a useful blueprint for biodiversity enhancement in any particular area.

Protected species are those species protected under domestic or European law. Further information can be found here Standing advice for protected species. Sites containing watercourses, old buildings, significant hedgerows and substantial trees are possible habitats for protected species.

Ecological networks are coherent systems of natural habitats organised across whole landscapes so as to maintain ecological functions. A key principle is to maintain connectivity - to enable free movement and dispersal of wildlife e.g., badger routes, river corridors for the migration of fish and staging posts for migratory birds. Local ecological networks will form a key part of the wider Nature Recovery Network proposed in the 25 Year Environment Plan. Where development is proposed, opportunities should be explored to contribute to the enhancement of ecological networks.

Planning positively for ecological networks will also contribute towards a strategic approach for the creation, protection, enhancement and management of green infrastructure, as identified in paragraph 181 of the NPPF.

Soil, Agricultural Land Quality and Reclamation

The Minerals and Waste Plan should give appropriate weight to the roles performed by the area's soils. These should be valued as a finite multi-functional resource which underpins our wellbeing and prosperity. Decisions about development should take full account of the impact on soils, their intrinsic character and the sustainability of the many ecosystem services they deliver for example:

1. Soil is a finite resource that fulfils many important functions and services (ecosystem services) for society, for instance as a growing medium for food, timber and other crops, as a store for carbon and water, as a reservoir of biodiversity and as a buffer against pollution. It is therefore important that the soil resources are protected and used sustainably. The Natural Environment White Paper (NEWP) 'The Natural Choice: securing the value of nature' (Defra, June 2011), emphasises the importance of natural resource protection, including the conservation and sustainable management of soils, for example:

- A Vision for Nature: 'We must protect the essentials of life: our air, biodiversity, soils and

water, so that they can continue to provide us with the services on which we rely' (paragraph 2.5).
- Safeguarding our Soils: 'Soil is essential for achieving a range of important ecosystem services and functions, including food production, carbon storage and climate regulation, water filtration, flood management and support for biodiversity and wildlife' (paragraph 2.60).
- 'Protect 'best and most versatile' agricultural land' (paragraph 2.35).

2. The conservation and sustainable management of soils also is reflected in the National Planning Policy Framework (NPPF), particularly in paragraph 180. When planning authorities are considering land use change, the permanency of the impact on soils is an important consideration. Particular care over planned changes to the most potentially productive soil is needed, for the ecosystem services it supports including its role in agriculture and food production. Plan policies should therefore take account of the impact on land and soil resources and the wide range of vital functions (ecosystem services) they provide in line with paragraph 180 of the NPPF, for example to:

- Safeguard the long-term capability of best and most versatile agricultural land (Grades 1, 2 and 3a in the Agricultural Land Classification) as a resource for the future.
- To avoid development that would disturb or damage other soils of high environmental value (e.g., wetland and other specific soils contributing to ecological connectivity, carbon stores such as peatlands etc) and, where development is proposed.
- Ensure soil resources are conserved and managed in a sustainable way.

3. To assist in understanding agricultural land quality within the plan area and to safeguard 'best and most versatile' agricultural land in line with paragraph 180 of the National Planning Policy Framework, strategic scale Agricultural Land Classification (ALC) Maps are available. Natural England also has an archive of more detailed ALC surveys for selected locations. Both these types of data can be supplied digitally free of charge by contacting Natural England. Some of this data is also available on the www.magic.gov.uk website. The planning authority should ensure that sufficient site specific ALC survey data is available to inform decision making. For example, where no reliable information was available, it would be reasonable to expect that developers should commission a new ALC survey, for any sites they wished to put forward for consideration in the Local Plan.

General mapped information on soil types is available as 'Soilscapes' on the www.magic.gov.uk and also from the LandIS website http://www.landis.org.uk/index.cfm which contains more information about obtaining soil data.

Further guidance for protecting soils (irrespective of their ALC grading) both during and following development is available in Defra's Construction Code of Practice for the Sustainable Use of Soils on Construction Sites, to assist the construction sector in the better protection of the soil resources with which they work, and in doing so minimise the risk of environmental harm such as excessive run-off and flooding. The aim is to achieve positive outcomes such as cost savings, successful landscaping and enhanced amenity whilst maintaining a healthy natural environment, and we would advise that the Code be referred to where relevant in the development plan.

All of the allocated sites contain BMV agricultural land. In line with the Planning Practice Guidance (PPG) to support the NPPF; we welcome that the allocated sites are all accompanied by a detailed ALC Survey (Post-1988), available on the magic website. Where minerals underlie BMV agricultural land, it is particularly important that restoration and aftercare preserve the long-term potential of the land as a national, high-quality resource. Where alternative after-uses (such as forestry and some forms of amenity, including nature conservation) are proposed on BMV agricultural land, the methods used in restoration and aftercare should enable the land to retain its longer-term agricultural capability, thus remaining a high-quality resource for the future.

Reclamation to non-agricultural uses does not mean that there can be any reduced commitment to high standards in the reclamation. Such reclamations require equal commitment by mineral

operators, mineral planning authorities and any other parties involved to achieve high standards of implementation.

Sustainable soil management should aim to minimise risks to the ecosystem services which soils provide, through provision of suitable soil handling and management advice. The planning authority should ensure that sufficient site-specific soil survey data is available to inform decision making. To include, for example, assessment of soil properties to inform appropriate soil management, restoration and drainage, where required.

The 25 Year Environment Plan (25YEP) sets out government action to help the natural world regain and retain good health, including highlighting the need to:

- protect the best agricultural land.
- put a value on natural capital, including healthy soil.
- ensure all soils are managed sustainably by 2030.
- restore and protect peatland.

Air pollution

We would expect the plan to address the impacts of air quality on the natural environment. In particular, it should address the traffic impacts associated with new development, particularly where this impacts on European sites and SSSIs. The environmental assessment of the plan (SA and HRA) should also consider any detrimental impacts on the natural environment and suggest appropriate avoidance or mitigation measures where applicable.

Natural England advises that one of the main issues which should be considered in the plan and the SA/HRA are proposals which are likely to generate additional nitrogen emissions as a result of increased traffic generation, which can be damaging to the natural environment.

The effects on local roads in the vicinity of any proposed development on nearby designated nature conservation sites (including increased traffic, construction of new roads, and upgrading of existing roads), and the impacts on vulnerable sites from air quality effects on the wider road network in the area (a greater distance away from the development) can be assessed using traffic projections and the 200m distance criterion followed by local Air Quality modelling where required. We consider that the designated sites at risk from local impacts are those within 200m of a road with increased traffic, which feature habitats that are vulnerable to nitrogen deposition/acidification. APIS provides a searchable database and information on pollutants and their impacts on habitats and species: http://www.apis.ac.uk/

It is advised that Natural England's approach to advising competent authorities on the assessment of road traffic emissions under the Habitats Regulations is followed when assessing impacts on protected sites.

Please note that ammonia (NH3) from traffic emissions should also be assessed as the impact from this source on designated sites is currently unclear.

It is advised air quality impacts on interest features of nationally and locally designated sites is also carried out as part of an assessment of impacts on SSSIs and wider biodiversity.

Biodiversity Net Gain

Embedding biodiversity net gain

It is highly recommended that the Waste Plan incorporates a policy for biodiversity net gain. Biodiversity net gain is a key tool to help nature's recovery and is also fundamental to health and wellbeing as well as creating attractive and sustainable places to live and work in. The NPPF highlights the role of policies and decision making to minimise impacts and provide net gains for biodiversity (para 180).

Planning Practice Guidance describes net gain as an 'approach to development that leaves the

natural environment in a measurably better state than it was beforehand' and applies to both biodiversity net gain and wider environmental net gains. For biodiversity net gain, Natural England's statutory metric, can be used to measure gains and losses to biodiversity resulting from development. We advise you to use this metric to implement development plan policies on biodiversity net gain. Any action, as a result of development, that creates or enhances habitat features can be measured using the metric and as a result count towards biodiversity net gain.

The Chartered Institute of Ecology and Environmental Management, along with partners, has developed 'good practice principles' for biodiversity net gain, which can assist plan-making authorities in gathering evidence and developing policy.

The following may also be useful considerations in developing plan policies:

- Use of a map within the plan. Mapping biodiversity assets and opportunity areas ensures compliance with national planning policy and helps to clearly demonstrate the relationship between development sites and opportunities for biodiversity net gain.

- Use of a biodiversity net gain target. Any target should be achievable, and evidence based and may be best placed in lower tier documents or a Supplementary Planning Document, or similar, to allow for regular updates in line with policy and legislation.

- Consideration should be given to thresholds for different development types, locations or scales of development proposals and the justification for this. Setting out the scope and scale of expected biodiversity net gains within Infrastructure Delivery Plans can help net gain to be factored into viability appraisals and land values. Natural England considers that all development, even small-scale proposals, can make a contribution to biodiversity. Your authority may wish to refer to Technical Note 2 of the CIEEM guide which provide useful advice on how to incorporate biodiversity net gain into small scale developments.

- Policy should set out how biodiversity net gain will be delivered and managed and the priorities for habitat creation or enhancement in different parts of the plan area. The plan policy should set out the approach to onsite and offsite delivery. Natural England advises that on-site provision should be preferred as it helps to provide gains close to where a loss may have taken place. Off-site contributions may, however, be required due to limitations on-site or where this best meets wider biodiversity objectives set in the development plan. Further detail could be set out in a supplementary planning document.

- The policy could also usefully link to any complementary strategies or objectives in the plan, such as green infrastructure and Local Nature Recovery Strategies.

Wider environmental gains

Natural England focusses our advice on embedding biodiversity net gain in development plans, since the approach is better developed than for wider environmental gains. However, your authority should consider the requirements of the NPPF (paragraph 180, 185 and 186) and seek opportunities for wider environmental net gain wherever possible. This can be achieved by considering how policies and proposed allocations can contribute to wider environment enhancement, help adapt to the impacts of climate change and/or take forward elements of existing green infrastructure, open space of biodiversity strategies. Opportunities for environmental gains, including nature-based solutions to help adapt to climate chance, might include:

- Identifying opportunities for new multi-functional green and blue infrastructure.
- Managing existing and new public spaces to be more wildlife friendly (e.g., by sowing wild flower strips, changing cutting regime of open spaces and road verges*) and climate resilient
- Planting trees, including street trees, characteristic to the local area to make a positive contribution to the local landscape.
- Improving access and links to existing greenspace, identifying improvements to the existing public right of way network or extending the network to create missing footpath or cycleway links.

- Restoring neglected environmental features (e.g., a hedgerow or stone wall or clearing away an eyesore).
- Designing a scheme to encourage wildlife, for example by ensuring lighting does not pollute areas of open space or existing habitats

*Please see this paper regarding cost-effective and low-maintenance management for species-rich grassland on road verges and the value it can contribute to biodiversity and ecosystem services

Any habitat creation and/or enhancement as a result of the above may also deliver a measurable biodiversity net gain.

Evidence gathering

Biodiversity data can also be obtained from developments that were subject to Environmental Impact Assessment (EIA) Monitoring, the discharge of conditions or monitoring information from legal agreements with a biodiversity element. This can help establish a baseline to understand what assets exist and how they may relate to wider objectives in the plan area. Cross boundary environmental opportunities can also be considered by working with neighbouring authorities, local nature partnership and/or the local enterprise partnership. The relationship between environmental assets and key strategic growth areas may help to highlight potential opportunities that development could bring for the natural environment. The following may also be useful when considering biodiversity priorities in your plan area:

- What biodiversity currently exists, what is vulnerable or declining?
- How are existing assets connected, are there opportunities to fill gaps and improve connectivity?
- How does the above relate to neighbouring authority areas, can you work collaboratively to improve links between assets or take strategic approaches to address issues or opportunities?

Applying the mitigation hierarchy

The plan's approach to biodiversity net gain should be compliant with the mitigation hierarchy, as outlined in paragraph 185 of the NPPF. The policy should ensure that biodiversity net gain is not applied to irreplaceable habitats and should also make clear that any mitigation and/or compensation requirements for European sites should be dealt with **separately** from biodiversity net gain provision.

Policies and decisions should first consider options to avoid adverse impacts on biodiversity from occurring. When avoidance is not possible impacts should be mitigated and finally, if there is no alternative, compensation provided for any remaining impacts. Biodiversity net gain should be additional to any habitat creation required to mitigate or compensate for impacts. It is also important to note that net gains can be delivered even if there are no losses through development.

The policy for net gain, or its supporting text, should highlight how losses and gains will be measured. The statutory metric can be used for this purpose as a fully tested metric that will ensure consistency across the plan-area, and we would encourage its use. Alternatively, your authority may choose to develop a bespoke metric, provided this is evidenced based.

The following may also be useful considerations in developing plan policies:

- Use of a map within the plan. Mapping biodiversity assets and opportunity areas ensures compliance with national planning policy and also helps to clearly demonstrate the relationship between development sites and opportunities for biodiversity net gain.
- Use of a biodiversity net gain target. Any target should be achievable, and evidence based and may be best placed in lower tier documents or a Supplementary Planning Document, to allow for regular updates in line with policy and legislation.

- Consideration should be given to thresholds for different development types, locations or scales of development proposals and the justification for this. Setting out the scope and scale of expected biodiversity net gains within Infrastructure Delivery Plans can help net gain to be factored into viability appraisals and land values. Natural England considers that all development, even small-scale proposals, can make a contribution to biodiversity. Your authority may wish to refer to Technical Note 2 of the CIEEM guide which provide useful advice on how to incorporate biodiversity net gain into small scale developments.
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- The policy could also usefully link to any complementary strategies or objectives in the plan, such as green infrastructure.

Monitoring

Your plan should include requirements to monitor biodiversity net gain. This should include indicators to demonstrate the amount and type of gain provided through development. The indicators should be as specific as possible to help build an evidence base to take forward for future reviews of the plan, for example the total number and type of biodiversity units created, the number of developments achieving biodiversity net gains and a record of on-site and off-site contributions.

LPAs should work with local partners, including the Local Environmental Record Centre and wildlife trusts, to share data and consider requirements for long term habitat monitoring. Monitoring requirements should be clear on what is expected from landowners who may be delivering biodiversity net gains on behalf of developers. This will be particularly important for strategic housing allocations and providing as much up-front information on monitoring will help to streamline the project stage.

Water Quality and Resources and Flood Risk Management
Natural England expects the Plan to consider the strategic impacts on water quality and resources as outlined in paragraph 180 of the NPPF. We would also expect the plan to address flood risk management in line with the paragraphs 166 and 167 of the NPPF.

The Plan should be based on an up-to-date evidence base on the water environment and as such the relevant River Basin Management Plans should inform the development proposed in the Plan. These Plans implement the EU Water Framework Directive and outline the main issues for the water environment and the actions needed to tackle them. Competent Authorities must in exercising their functions, have regard to these plans.

The Local Plan should contain policies which protect habitats from water related impacts and where appropriate seek enhancement. Priority for enhancements should be focussed on European sites, SSSIs and local sites which contribute to a wider ecological network.

Plans should positively contribute to reducing flood risk by working with natural processes and where possible use Green Infrastructure policies and the provision of SUDs to achieve this.

Agri-environment schemes
Minerals sites may be under existing Higher Level Stewardship agreements before minerals are extracted and may be returned to agricultural use following landfilling. We advise early contact by agreement holders with the Rural Payments Agency to discuss individual cases so that any payments can be amended accordingly.

Climate change – further resources

Please see below links to further resources that may be useful in developing local policy to address climate change within the local authority area.

- The Climate Change Adaptation Manual - provides extensive information on climate change adaptation for the natural environment. It considers the potential impacts of climate change on individual priority habitats and outlines possible adaptation responses. It includes the Landscape Scale Adaptation Assessment Method to assist those wanting to undertake a climate change vulnerability assessment for an area larger than an individual site or specific environmental feature, focussing on identifying vulnerabilities to climate change.
- The National Biodiversity Climate Change Vulnerability Model is a mapping tool that helps identify areas likely to be more vulnerable to the impacts of climate change.
- Carbon Storage and Sequestration by Habitat 2021 (NERR094) – a recently updated report that reviews and summarises the carbon storage and sequestration rates of different semi-natural habitats that can inform the design of nature-based solutions to achieve climate mitigation and adaptation.
- The Nature Networks Evidence Handbook – aims to help the designers of nature networks by identifying the principles of network design and describing the evidence that underpins the desirable features of nature networks. It builds on the Making Space for Nature report (Lawton et al. 2010), outlining some of the practical aspects of implementing a nature network plan, as well as describing the tools that are available to help in decision making.
- Natural England Climate Change webinars - a range of introductory climate change webinars available on YouTube.