

Habitats Regulations Assessment (HRA)

Application reference:	23/00674/FUL
Application address:	24 Wilton Avenue Southampton SO15 2HJ
Application description:	Change of use from a house in multiple occupation (HMO) (class C4) to 7-bed large HMO (sui generis) and installation of enlarged rear dormer (Resubmission 21/00871/FUL)
HRA completion date:	26 May 2023

HRA completed by:

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Summary

The project being assessed is as described above.

The site is located close to the Solent and Dorset Coast Special Protection Area (SPA), the Solent and Southampton Water SPA/Ramsar site and the New Forest Special Area of Conservation (SAC)/SPA/Ramsar site.

It is recognised that the proposed development for an additional HMO bedroom, in-combination with other developments across south Hampshire, could result in recreational disturbance to the features of interest of the New Forest SPA/Ramsar site and the Solent and Southampton Water SPA/Ramsar site.

In addition, wastewater generated by the development could result in the release of nitrogen and phosphate into the Solent leading to adverse impacts on features of the Solent Maritime SAC and the Solent and Southampton Water SPA/Ramsar site.

The findings of the initial assessment concluded that significant effects were possible. A detailed appropriate assessment was therefore conducted on the proposed development.

Following consideration of a number of avoidance and mitigation measures designed to remove any risk of a significant effect on the identified European sites, it has been concluded that **the significant effects, which are likely in association with the proposed development, can be adequately mitigated and that there will be no adverse effect on the integrity of protected sites.**

Section 1 - details of the plan or project

**European sites potentially impacted by plan or project:
European Site descriptions are available in Appendix I of the City Centre Action Plan's Habitats Regulations Assessment Baseline Evidence Review Report, which is on the city council's website**

- Solent and Dorset Coast Special Protection Area (SPA)
- Solent and Southampton Water SPA
- Solent and Southampton Water Ramsar Site
- Solent Maritime Special Area of Conservation (SAC)
- River Itchen SAC
- New Forest SAC
- New Forest SPA
- New Forest Ramsar site

Is the project or plan directly connected with or necessary to the management of the site (provide details)?

No – the development is not connected to, nor necessary for, the management of any European site.

Are there any other projects or plans that together with the project or plan being assessed could affect the site (provide details)?

- Southampton Core Strategy (amended 2015) (<http://www.southampton.gov.uk/policies/Amended-Core-Strategy-inc-CSPR-%20Final-13-03-2015.pdf>)
- City Centre Action Plan (<http://www.southampton.gov.uk/planning/planning-policy/adopted-plans/city-centre-action-plan.aspx>)
- South Hampshire Strategy (http://www.push.gov.uk/work/housing-and-planning/south_hampshire_strategy.htm)

The PUSH Spatial Position Statement plans for 104,350 net additional homes, 509,000 sq. m of office floorspace and 462,000 sq. m of mixed B class floorspace across South Hampshire and the Isle of Wight between 2011 and 2034.

Southampton aims to provide a total of 15,610 net additional dwellings across the city between 2016 and 2035 as set out in the Amended Core Strategy.

Whilst the dates of the two plans do not align, it is clear that the proposed development of this site is part of a far wider reaching development strategy for the South Hampshire sub-region which will result in a sizeable increase in population and economic activity.

Regulations 62 and 70 of the Conservation of Habitats and Species Regulations 2017 (as amended) (the Habitats Regulations) are clear that the assessment provisions, ie. Regulations 63 and 64 of the same regulations, apply in relation to granting planning permission on an application under Part 3 of the TCPA 1990. The assessment below constitutes the city council's assessment of the implications of the

development described above on the identified European sites, as required under Regulation 63 of the Habitats Regulations.

Section 2 - Assessment of implications for European sites

Test 1: the likelihood of a significant effect

- **This test is to determine whether or not any possible effect could constitute a significant effect on a European site as set out in Regulation 63(1) (a) of the Habitats Regulations.**

The proposed development is located close to the Solent and Dorset Coast SPA, Solent and Southampton Water SPA and Ramsar site and the Solent Maritime SAC. As well as the River Itchen SAC, New Forest SAC, SPA and Ramsar site.

A full list of the qualifying features for each site is provided at the end of this report. The development could have implications for these sites which could be both temporary, arising from demolition and construction activity, or permanent arising from the on-going impact of the development when built.

The following effects are possible:

- Contamination and deterioration in surface water quality from mobilisation of contaminants;
- Disturbance (noise and vibration);
- Increased leisure activities and recreational pressure; and,
- Deterioration in water quality caused by nitrates from wastewater

Conclusions regarding the likelihood of a significant effect

This is to summarise whether or not there is a likelihood of a significant effect on a European site as set out in Regulation 63(1)(a) of the Habitats Regulations.

The project being assessed is as described above. The site is located close to the Solent and Dorset Coast Special Protection Area (SPA), the Solent and Southampton Water SPA/Ramsar site and the New Forest Special Area of Conservation (SAC)/ SPA/Ramsar site.

The site is located close to European sites and as such there is potential for construction stage impacts. Concern has also been raised that the proposed development, in-combination with other residential developments across south Hampshire, could result in recreational disturbance to the features of interest of the New Forest SPA/Ramsar site and the Solent and Southampton Water SPA/Ramsar site. In addition, wastewater generated by the development could result in the release of nitrogen into the Solent leading to adverse impacts on features of the Solent Maritime SAC and the Solent and Southampton Water SPA/Ramsar site.

Overall, there is the potential for permanent impacts which could be at a sufficient level to be considered significant. As such, a full appropriate assessment of the implications for the identified European sites is required before the scheme can be authorised.

Test 2: an appropriate assessment of the implications of the development for the identified European sites in view of those sites' conservation objectives

The analysis below constitutes the city council's assessment under Regulation 63(1) of the Habitats Regulations

The identified potential effects are examined below to determine the implications for the identified European sites in line with their conservation objectives and to assess whether the proposed avoidance and mitigation measures are sufficient to remove any potential impact.

In order to make a full and complete assessment it is necessary to consider the relevant conservation objectives. These are available on Natural England's web pages at <http://publications.naturalengland.org.uk/category/6528471664689152>.

The conservation objective for Special Areas of Conservation is to, *"Avoid the deterioration of the qualifying natural habitats and the habitats of qualifying species, and the significant disturbance of those qualifying species, ensuring the integrity of the site is maintained and the site makes a full contribution to achieving Favourable Conservation Status of each of the qualifying features."*

The conservation objective for Special Protection Areas is to, *"Avoid the deterioration of the habitats of the qualifying features, and the significant disturbance of the qualifying features, ensuring the integrity of the site is maintained and the site makes a full contribution to achieving the aims of the Birds Directive."*

Ramsar sites do not have a specific conservation objective however, under the National Planning Policy Framework (NPPF), they are considered to have the same status as European sites.

PERMANENT, OPERATIONAL EFFECTS

Recreational disturbance

Human disturbance of birds, which is any human activity which affects a bird's behaviour or survival, has been a key area of conservation concern for a number of years. Examples of such disturbance, identified by research studies, include birds taking flight, changing their feeding behaviour or avoiding otherwise suitable habitat. The effects of such disturbance range from a minor reduction in foraging time to mortality of individuals and lower levels of breeding success.

Nightjar

Higher levels of recreational activity, particularly dog walking, has been shown to lower nightjar breeding success rates. On the Dorset Heaths nests close to footpaths were found to be more likely to fail as a consequence of predation, probably due to adults being flushed from the nest by dogs allowing predators access to the eggs.

Woodlark

Density of woodlarks has been shown to be limited by disturbance with higher levels of disturbance leading to lower densities of woodlarks. Although breeding success rates were higher for the nest that were established, probably due to

lower levels of competition for food, the overall effect was approximately a third fewer chicks than would have been the case in the absence of disturbance.

Dartford warbler

Adverse impacts on Dartford warbler were only found to be significant in heather dominated territories where high levels of disturbance increased the likelihood of nests near the edge of the territory failing completely. High disturbance levels were also shown to stop pairs raising multiple broods.

Solent and Southampton Water SPA/Ramsar site

The Council has adopted the Solent Recreation Mitigation Partnership's Mitigation Strategy (December 2017), in collaboration with other Councils around the Solent, in order to mitigate the effects of new residential development on the Solent and Southampton Water SPA and Ramsar site. This strategy enables financial contributions to be made by developers to fund appropriate mitigation measures. The level of mitigation payment required is linked to the number of bedrooms within the properties.

The additional HMO bedroom would result in a net increase in the city's population and there is therefore the risk that the development, in-combination with other residential developments across south Hampshire, could lead to recreational impacts upon the Solent and Southampton Water SPA. A contribution to the Solent Recreation Mitigation Partnership's mitigation scheme will enable the recreational impacts to be addressed. The developer has committed to make a payment prior to the commencement of development in line with current Bird Aware requirements and these will be secured ahead of occupation – and most likely ahead of planning permission being implemented.

Water quality

Solent Maritime SAC and the Solent and Southampton Water SPA/Ramsar site

Natural England highlighted concerns regarding, *“high levels of nitrogen and phosphorus input to the water environment in the Solent with evidence that these nutrients are causing eutrophication at internationally designated sites.”*

Eutrophication is the process by which excess nutrients are added to a water body leading to rapid plant growth. In the case of the Solent Maritime SAC and the Solent and Southampton Water SPA/Ramsar site the problem is predominately excess nitrogen arising from farming activity, wastewater treatment works discharges and urban run-off.

Features of Solent Maritime SAC and Solent and Southampton Water SPA/Ramsar site that are vulnerable to increases in nitrogen levels are coastal grazing marsh, inter-tidal mud and seagrass.

Evidence of eutrophication impacting the Solent Maritime SAC and Solent and Southampton Water SPA/Ramsar site has come from the Environment Agency data covering estimates of river flow, river quality and also data on WwTW effluent

flow and quality.

An Integrated Water Management Study for South Hampshire, commissioned by the Partnership for Urban South Hampshire (PUSH) Authorities, examined the delivery of development growth in relation to legislative and government policy requirements for designated sites and wider biodiversity. This work has identified that there is uncertainty in some locations as to whether there will be enough capacity to accommodate new housing and population growth. There is uncertainty about the efficacy of catchment measures to deliver the required reductions in nitrogen levels, and/or whether the upgrades to wastewater treatment works will be enough to accommodate the quantity of new housing proposed. Considering this, Natural England have advised that a nitrogen budget is calculated for new residential development.

A methodology provided by Natural England has been used to calculate a nutrient budget and the calculations conclude that there is a predicted Total Nitrogen surplus arising from the development as set out in the applicant's submitted Calculator, included within the submitted Sustainability Checklist, that uses the most up to date calculators (provided by Natural England) and the Council's own bespoke occupancy predictions and can be found using Public Access:

<https://www.southampton.gov.uk/planning/planning-applications/>

This submitted calculation has been checked by the LPA and is a good indication of the scale of nitrogen that will be generated by the development. Further nitrogen budgets will be required as part of any future HRAs. These nitrogen budgets cover the specific mix and number of proposed overnight accommodation and will then inform the exact quantum of mitigation required.

SCC is satisfied that, at this point in the application process, the quantum of nitrogen likely to be generated from this additional HMO bedroom can be satisfactorily mitigated. This judgement is based on the following measures:

- SCC has adopted a Position Statement, 'Southampton Nitrogen Mitigation Position Statement' which is designed to ensure that new residential and hotel accommodation achieves 'nitrogen neutrality' with mitigation offered within the catchment where the development will be located;
- The approach set out within the Position Statement is based on calculating a nitrogen budget for the development and then mitigating the effects of this to achieve nitrogen neutrality. It is based on the latest advice and calculator issued by Natural England (March 2022);
- The key aspects of Southampton's specific approach, as set out in the Position Statement, have been discussed and agreed with Natural England ahead of approval by the Council's Cabinet in June 2022;
- The Position Statement sets out a number of potential mitigation approaches. The principle underpinning these measures is that they must be counted solely for a specific development, are implemented prior to occupation, are maintained for the duration of the impact of the development (generally taken to be 80 – 125 years) and are enforceable;
- SCC has signed a Section 33 Legal Agreement with Eastleigh Borough Council to enable the use of mitigation land outside Southampton's

administrative boundary, thereby ensuring the required ongoing cross-boundary monitoring and enforcement of the mitigation;

- The applicant has indicated that it will purchase the required number of credits from the Eastleigh BC mitigation scheme to offset the nutrient loading detailed within the nitrogen budget calculator (Appendix 2);
- The initial approach was to ensure an appropriate mitigation strategy was secured through a s.106 legal agreement but following further engagement with Natural England a Grampian condition, requiring implementation of specified mitigation measures prior to first occupation, will be attached to the planning permission. The proposed text of the Grampian condition is as follows:

The development hereby permitted shall not be occupied unless a Nitrate Mitigation Vesting Certificate confirming the purchase of sufficient nitrates credits from the Eastleigh Borough Council Nutrient Offset Scheme for the development has been submitted to the council.

Reason: To demonstrate that suitable mitigation has been secured in relation to the effect that nitrates from the development has on the Protected Sites around The Solent.

With these measures in place nitrate neutrality will be secured from this development and as a consequence there will be no adverse effect on the integrity of the protected sites.

Conclusions regarding the implications of the development for the identified European sites in view of those sites' conservation objectives

Conclusions

The following conclusions can be drawn from the evidence provided:

- Water quality within the Solent and Southampton Water SPA/Ramsar site could be affected by release of nitrates contained within wastewater.
- Increased levels of recreation activity could affect the Solent and Southampton Water SPA/Ramsar site and the New Forest/SAC/SPA/Ramsar site.

Operational

- Contribution towards the Solent Recreation Mitigation Partnership scheme. The precise contribution level will be determined based on the known mix of development;
- A Grampian condition, requiring evidence of purchase of credits from the Eastleigh BC mitigation scheme prior to first occupation, will be attached to the planning permission. The mitigation measures will be consistent with the requirements of the Southampton Nitrogen Mitigation Position Statement to ensure nitrate neutrality.
- All mitigation will be in place ahead of the first occupation of the development thereby ensuring that the direct impacts from this development will be properly addressed.

As a result of the mitigation measures detailed above, when secured through planning obligations and conditions, officers are able to conclude that there will be

no adverse impacts upon the integrity of European and other protected sites in the Solent and New Forest arising from this development.

References

Fearnley, H., Clarke, R. T. & Liley, D. (2011). The Solent Disturbance & Mitigation Project. Phase II – results of the Solent household survey. ©Solent Forum/Footprint Ecology.

Liley, D., Stillman, R. & Fearnley, H. (2010). The Solent Disturbance and Mitigation Project Phase 2: Results of Bird Disturbance Fieldwork 2009/10. Footprint Ecology/Solent Forum.

Liley, D., Panter, C., Caals, Z., & Saunders, P. (2019) Recreation use of the New Forest SAC/SPA/Ramsar: New Forest Visitor Survey 2018/19. Unpublished report by Footprint Ecology.

Liley, D. & Panter, C. (2020). Recreation use of the New Forest SAC/SPA/Ramsar: Results of a telephone survey with people living within 25km. Unpublished report by Footprint Ecology.

Protected Site Qualifying Features

The New Forest SAC

The New Forest SAC qualifies under Article 3 of the Habitats Directive by supporting the following Annex I habitats:

- Oligotrophic waters containing very few minerals of sandy plains (*Littorelletalia uniflorae*) (primary reason for selection)
- Oligotrophic to mesotrophic standing waters with vegetation of the *Littorelletea uniflorae* and/or of the *Isoëto-Nanojuncetea* (primary reason for selection)
- Northern Atlantic wet heaths with *Erica tetralix* (primary reason for selection)
- European dry heaths (primary reason for selection)
- *Molinia* meadows on calcareous, peaty or clayey-silt laden soils (*Molinion caeruleae*) (primary reason for selection)
- Depressions on peat substrates of the *Rhynchosporion* (primary reason for selection)
- Atlantic acidophilous beech forests with *Ilex* and sometimes also *Taxus* in the shrub layer
- (*Quercion robori-petraeae* or *Ilici-Fagenion*) (primary reason for selection)
- *Asperulo-Fagetum* beech forests (primary reason for selection)
- Old acidophilous oak woods with *Quercus robur* on sandy plains (primary reason for selection)
- Bog woodland (primary reason for selection)
- Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (*Alno-Padion*, *Alnion incanae*,
- *Salicion albae*) (primary reason for selection)
- Transition mires and quaking bogs
- Alkaline fens

The New Forest SAC qualifies under Article 3 of the Habitats Directive by supporting the following Annex II species:

- Southern Damselfly *Coenagrion mercurial* (primary reason for selection)
- Stag Beetle *Lucanus cervus* (primary reason for selection)
- Great Crested Newt *Triturus cristatus*

The New Forest SPA

The New Forest SPA qualifies under Article 4.1 of the Birds Directive by supporting breeding populations of European importance of the following Annex I species:

- Dartford Warbler *Sylvia undata*
- Honey Buzzard *Pernis apivorus*
- Nightjar *Caprimulgus europaeus*
- Woodlark *Lullula arborea*

The SPA qualifies under Article 4.2 of the Birds Directive by supporting overwintering populations of European importance of the following migratory species:

- Hen Harrier *Circus cyaneus*

New Forest Ramsar Site

The New Forest Ramsar site qualifies under the following Ramsar criteria:

- Ramsar criterion 1: Valley mires and wet heaths are found throughout the site and are of outstanding scientific interest. The mires and heaths are within catchments whose uncultivated and undeveloped state buffer the mires against adverse ecological change. This is the largest concentration of intact valley mires of their type in Britain.
- Ramsar criterion 2: The site supports a diverse assemblage of wetland plants and animals including several nationally rare species. Seven species of nationally rare plant are found on the site, as are at least 65 British Red Data Book species of invertebrate.
- Ramsar criterion 3: The mire habitats are of high ecological quality and diversity and have undisturbed transition zones. The invertebrate fauna of the site is important due to the concentration of rare and scarce wetland species. The whole site complex, with its examples of semi-natural habitats is essential to the genetic and ecological diversity of southern England.

Solent Maritime SAC

The Solent Maritime SAC qualifies under Article 3 of the Habitats Directive by supporting the following Annex I habitats:

- Estuaries (primary reason for selection)
- Spartina swards (*Spartinion maritimae*) (primary reason for selection)
- Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*) (primary reason for selection)
- Sandbanks which are slightly covered by sea water all the time
- Mudflats and sandflats not covered by seawater at low tide
- Coastal lagoons
- Annual vegetation of drift lines
- Perennial vegetation of stony banks
- Salicornia and other annuals colonising mud and sand
- Shifting dunes along the shoreline with *Ammophila arenaria* (“white dunes”)

Solent Maritime SAC qualifies under Article 3 of the Habitats Directive by supporting the following Annex II species:

- Desmoulin's whorl snail *Vertigo moulinsiana*

Solent and Southampton Water SPA

Solent and Southampton Water SPA qualifies under Article 4.1 of the Birds Directive by supporting breeding populations of European importance of the following Annex I species:

- Common Tern *Sterna hirundo*
- Little Tern *Sterna albifrons*
- Mediterranean Gull *Larus melanocephalus*
- Roseate Tern *Sterna dougallii*
- Sandwich Tern *Sterna sandvicensis*

The SPA qualifies under Article 4.2 of the Birds Directive by supporting overwintering populations of European importance of the following migratory species:

- Black-tailed Godwit *Limosa limosa islandica*

- Dark-bellied Brent Goose *Branta bernicla bernicla*
- Ringed Plover *Charadrius hiaticula*
- Teal *Anas crecca*

The SPA also qualifies under Article 4.2 of the Birds Directive by regularly supporting at least 20,000 waterfowl, including the following species:

- Gadwall *Anas strepera*
- Teal *Anas crecca*
- Ringed Plover *Charadrius hiaticula*
- Black-tailed Godwit *Limosa limosa islandica*
- Little Grebe *Tachybaptus ruficollis*
- Great Crested Grebe *Podiceps cristatus*
- Cormorant *Phalacrocorax carbo*
- Dark-bellied Brent Goose *Branta bernicla bernicla*
- Wigeon *Anas penelope*
- Redshank *Tringa tetanus*
- Pintail *Anas acuta*
- Shoveler *Anas clypeata*
- Red-breasted Merganser *Mergus serrator*
- Grey Plover *Pluvialis squatarola*
- Lapwing *Vanellus vanellus*
- Dunlin *Calidris alpina alpina*
- Curlew *Numenius arquata*
- Shelduck *Tadorna tadorna*

Solent and Southampton Water Ramsar Site

The Solent and Southampton Water Ramsar site qualifies under the following Ramsar criteria:

- Ramsar criterion 1: The site is one of the few major sheltered channels between a substantial island and mainland in European waters, exhibiting an unusual strong double tidal flow and has long periods of slack water at high and low tide. It includes many wetland habitats characteristic of the biogeographic region: saline lagoons, saltmarshes, estuaries, intertidal flats, shallow coastal waters, grazing marshes, reedbeds, coastal woodland and rocky boulder reefs.
- Ramsar criterion 2: The site supports an important assemblage of rare plants and invertebrates. At least 33 British Red Data Book invertebrates and at least eight British Red Data Book plants are represented on site.
- Ramsar criterion 5: A mean peak count of waterfowl for the 5-year period of 1998/99 – 2002/2003 of 51,343
- Ramsar criterion 6: The site regularly supports more than 1% of the individuals in a population for the following species: Ringed Plover *Charadrius hiaticula*, Dark-bellied Brent Goose *Branta bernicla bernicla*, Eurasian Teal *Anas crecca* and Black-tailed Godwit *Limosa limosa islandica*.