

**THE TOWN AND COUNTRY PLANNING (ENVIRONMENTAL IMPACT ASSESSMENT) REGULATIONS
2017 SCREENING MATRIX**

1. CASE DETAILS			
Case Reference	V/24/97448	Brief description of the project / development	Permanent centrifuge for separation of silt from raw river water on land within existing River Itchen Water Treatment Works (WTW). The site is approximately 0.59ha and the proposed development would consist of a building approximately 5m x 12m and 4.7m to ridge height; a balancing tank approximately 4.5m in height; a sludge cake skip and an area of hard standing for temporary pallet storage.
Applicant	Portsmouth Water		
LPA	Eastleigh Borough Council		
2. EIA DETAILS			
Is the project Schedule 1 development according to Schedule 1 of the EIA Regulations?			No
If YES, which description of development (THEN GO TO Q4)			
Is the project Schedule 2 development under the EIA Regulations?			Yes
If YES, under which description of development in Column 1 and Column 2?			The proposed development does not fit neatly into one development type, therefore consideration has been given to requirements related to the following Schedule 2 categories: 7 – Food industry (as WTW ultimately produces water for human consumption) 10a) – Industrial estate development projects 10b) – Urban development projects 11c) – Waste-water treatment plants 11d) – Sludge deposition sites
Is the development within, partly within, or near a 'sensitive area' as defined by Regulation 2 of the EIA Regulations?			The site is located approximately 140m from the River Itchen SAC and 105m from River Itchen SSSI.
If YES, which area?			
Are the applicable thresholds/criteria in Column 2 exceeded/met?			Yes
If yes, which applicable threshold/criteria?			10a) Industrial estate development projects (0.5ha) 11d) Sludge Deposition sites (0.5ha)
3. LPA/SOS SCREENING			
Has the LPA or SoS issued a Screening Opinion (SO) or Screening Direction (SD)? (In the case of Enforcement appeals, has a Regulation 37 notice been issued)			No
If yes, is a copy of the SO/SD on the file?			
If yes, is the SO/SD positive?			

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4. ENVIRONMENTAL STATEMENT

**Has the appellant supplied an ES for the current or previous
(if reserved matters or conditions) application?**

No

**WHEN COMPLETING THIS DOCUMENT IN RELATION TO AN ENFORCEMENT APPEAL, THE
UNDERSIGNED OFFICER HAS HAD REGARD TO THE PROJECT AS ALLEGED IN THE RELEVANT
ENFORCEMENT NOTICE WHEN REFERRING TO THE PROJECT / DEVELOPMENT.**

A Screening Criteria Question	B Response to the Screening Criteria Question in Column A (Yes/No and explanation of reasons)		C Is a Significant Effect Likely? (Yes/No and explanation of reasons (nb if the answer in Column B is 'No', Column C is not applicable))	
	Briefly explain reasons and, if applicable and/or known, include name of feature(s) and proximity to site(s)		Is a significant effect likely, having regard particularly to the magnitude and spatial extent (including population size affected), nature, intensity and complexity, probability, expected onset, duration, frequency and reversibility of the impact and the possibility to effectively reduce the impact? If the finding of no significant effect is reliant on specific features or measures of the project envisaged to avoid, or prevent what might otherwise have been, significant adverse effects on the environment these should be identified in bold.	
5. NATURAL RESOURCES				
5.1 Will construction, operation or decommissioning of the project involve actions which will cause physical changes in the topography of the area?	No	Proposed works are unlikely to result in a material change to the topography of the area.		
5.2 Will construction or operation of the project use natural resources above or below ground such as land, soil, water, materials/minerals or energy which are non-renewable or in short supply?	Yes	Materials and energy used in construction of proposed works and energy required during operation. Project involves separating silt from raw river water as part of the operation of the existing Water Treatment Works (WTW) supplying 2 water companies.	No	Proposed construction materials are unlikely to be in short supply. Existing photovoltaics provide some renewable energy on site, if additional energy is required the effect would not be significant. Proposed works would form part of operation of existing WTW, replacing existing temporary centrifuge.
5.3 Are there any areas on/around the location which contain important, high quality or scarce resources which could be affected by the project, e.g. forestry, agriculture, water/coastal, fisheries, minerals?	No			

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6. WASTE		
6.1 Will the project produce solid wastes during construction or operation or decommissioning?	Yes Construction waste is likely to be low in volume due to size and extent of proposed works. During operation by-products will be produced - centrifugal silt (sludge cake) and centrate water. The sludge cake would be non-hazardous waste stored in a skip before being removed for off-site disposal by a licenced waste carrier. The centrate water by-product can be discharged to the existing public sewer. On decommissioning materials used in the construction of the building could be recycled.	No A Construction & Environmental Management Plan could be secured via condition to ensure construction waste is appropriately managed. It is anticipated that less than one skip per week of sludge cake would be produced and would be subject to disposal by a licensed waste carrier. The centrate water will be discharged to existing public sewer without need for an Environmental Permit.
7. POLLUTION AND NUISANCES		
7.1 Will the project release pollutants or any hazardous, toxic or noxious substances to air?	Yes Pollutants are only expected to arise from vehicles visiting the site during construction and operation.	No Only very low levels of construction and operational traffic are anticipated.
7.2 Will the project cause noise and vibration or release of light, heat, energy or electromagnetic radiation?	Yes Some additional noise (and possibly vibration depending on construction methods), will occur during construction and there will be noise associated with the operation of the centrifuge. The nearest sensitive receptors (human) are approximately 100-150m to the east. An ecological assessment is to be undertaken prior to the submission of an application and would identify any noise-sensitive ecological receptors.	No A Construction & Environmental Management Plan could be secured via condition to ensure any noise and vibration impacts are appropriately managed during construction. If not submitted with the application a Noise Assessment could be secured via condition to ensure any necessary measures needed to mitigate operational noise are provided. The Screening Opinion request suggests a Preliminary Ecological Appraisal is to be submitted with the future application and any identified mitigation measures required in relation to any noise-sensitive ecological receptors could be secured via condition to ensure appropriate ecological protection.

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7.3 Will the project lead to risks of contamination of land or water from releases of pollutants onto the ground or into surface waters, groundwater, coastal waters or the sea?	Yes Potential for spillages of chemicals and fuels during construction and operation. The liquid polymer required for the process would be stored in a bunded area, with a spill area and be delivered and stored in Intermediate Bulk Containers rather than being transferred from tanker, reducing risk of spillages.	A Construction & Environmental Management Plan could be secured via condition to ensure appropriate measures are in place to prevent ground, surface water and ground water pollution during construction. A Sustainable Drainage System could be secured to ensure appropriate management of surface water during operation to ensure no adverse impact on water quality.
7.4 Are there any areas on or around the location which are already subject to pollution or environmental damage, e.g. where existing legal environmental standards are exceeded, which could be affected by the project?	No	
8. POPULATION AND HUMAN HEALTH		
8.1 Will there be any risk of major accidents (including those caused by climate change, in accordance with scientific knowledge) during construction, operation or decommissioning?	No	
8.2 Will the project present a risk to the population (having regard to population density) and their human health during construction, operation or decommissioning? (for example due to water contamination or air pollution)	Yes Construction and decommissioning could cause dust if not appropriately managed.	No A Construction & Environmental Management Plan could be secured via condition to ensure appropriate measures are in place to minimise any dust during construction.

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9. WATER RESOURCES		
9.1 Are there any water resources including surface waters, e.g. rivers, lakes/ponds, coastal or underground waters on or around the location which could be affected by the project, particularly in terms of their volume and flood risk?	Yes The River Itchen is located to the west of the site, but the site is in Flood Zone 1.	No A Construction & Environmental Management Plan could be secured via condition to ensure appropriate measures are in place to protect the River Itchen during construction. A Sustainable Drainage System could be secured to ensure appropriate management of surface water during operation and to ensure no increase in flood risk.
10. BIODIVERSITY (SPECIES AND HABITATS)		
10.1 Are there any protected areas which are designated or classified for their terrestrial, avian and marine ecological value, or any non-designated / non-classified areas which are important or sensitive for reasons of their terrestrial, avian and marine ecological value, located on or around the location and which could be affected by the project? (e.g. wetlands, watercourses or other water-bodies, the coastal zone, mountains, forests or woodlands, undesignated nature reserves or parks. (Where designated indicate level of designation (international, national, regional or local))).	Y The nearby River Itchen is SAC and SSSI, which leads to the Solent and Southampton Water SPA and Ramsar Site and the Solent Maritime SAC.	N A Construction & Environmental Management Plan could be secured via condition to ensure appropriate measures are in place to protect the River Itchen during construction. A Sustainable Drainage System could be secured via condition to ensure appropriate management of surface water during operation and to ensure no adverse impact on water quality. The Screening Opinion request suggests a Preliminary Ecological Appraisal is to be submitted with the future application and any identified mitigation measures could be secured via condition to ensure impacts on habitats and species on-site and adjacent to the site are appropriately protected.
10.2 Could any protected, important or sensitive species of flora or fauna which use areas on or around the site, e.g. for breeding, nesting, foraging, resting,	Y Given the location of the site within the wider WTW it is considered unlikely, but an ecological assessment is to be undertaken prior to the submission of an application.	The Screening Opinion request suggests a Preliminary Ecological Appraisal is to be submitted with the future application and any necessary mitigation measures could be

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over-wintering, or migration, be affected by the project?				secured via condition to ensure impacts on habitats and species on-site and adjacent to the site are appropriately protected.
11. LANDSCAPE AND VISUAL				
11.1 Are there any areas or features on or around the location which are protected for their landscape and scenic value, and/or any non-designated / non-classified areas or features of high landscape or scenic value on or around the location which could be affected by the project? ¹ Where designated indicate level of designation (international, national, regional or local).	N			
11.2 Is the project in a location where it is likely to be highly visible to many people? (If so, from where, what direction, and what distance?)	N			
12. CULTURAL HERITAGE/ARCHAEOLOGY				
12.1 Are there any areas or features which are protected for their cultural heritage or archaeological value, or any non-designated / classified areas and/or features of cultural heritage or archaeological importance on or around the location which could be affected by the project (including potential impacts on setting, and views to, from and within)? Where designated indicate level	Y	There are no known heritage assets within the application site. There are listed buildings approximately 250-300m to the south-west of the site and a registered park and garden approximately 500m also to the south-west of the site. The archaeological potential of the site is unknown.	N	The project is unlikely to have a significant effect on the listed buildings or registered park and garden due to the distance from the site and intervening features including the M27. The Screening Opinion request suggests a Desk Based Archaeological Assessment will be submitted with any future planning application to assess the impact on the setting of any heritage assets, determine the archaeological

¹ See question 8.1 for consideration of impacts on heritage designations and receptors, including on views to, within and from designated areas.

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of designation (international, national, regional or local).		potential and identify any necessary mitigation measures.
13. TRANSPORT AND ACCESS		
13.1 Are there any routes on or around the location which are used by the public for access to recreation or other facilities, which could be affected by the project?	N Itchen Valley Country Park is located to the north and also accessed via Allington Lane. However both sites are accessed via separate access roads, off existing main roads and only a limited increase in traffic is anticipated as a result of the proposed development.	
13.2 Are there any transport routes on or around the location which are susceptible to congestion or which cause environmental problems, which could be affected by the project?	N	
14. LAND USE		
14.1 Are there existing land uses or community facilities on or around the location which could be affected by the project? E.g. housing, densely populated areas, industry / commerce, farm/agricultural holdings, forestry, tourism, mining, quarrying, facilities relating to health, education, places of worship, leisure /sports / recreation.	Y Itchen Valley Country Park is located to the north-east of the site and 3 residential properties share the access road off Allington Lane. The built-up residential area to the south is separated from the site by the M27.	N The proposed development would be located within the site of the existing WTW and the nature of the proposed development would not have a significant effect on the tourism and recreational opportunities at Itchen Valley Country Park.
14.2 Are there any plans for future land uses on or around the location which could be affected by the project?	N	
15. LAND STABILITY AND CLIMATE		
15.1 Is the location susceptible to earthquakes, subsidence, landslides, erosion, or extreme /adverse climatic	N	

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conditions, e.g. temperature inversions, fogs, severe winds, which could cause the project to present environmental problems?				
16. CUMULATIVE EFFECTS				
16.1 Could this project together with existing and/or approved development result in cumulation of impacts together during the construction/operation phase?	N	The proposed works would form part of the existing WTW; would not extend the overall site area and would not result in any significant increase in traffic, noise or emissions.		
17. TRANSBOUNDARY EFFECTS				
17.1 Is the project likely to lead to transboundary effects? ²	N			

² The Regulations require consideration of the transboundary nature of the impact. Due to the England's geographical location the vast majority of TCPA cases are unlikely to result in transboundary impacts.

18. CONCLUSIONS – ACCORDING TO EIA REGULATIONS SCHEDULE 3

The proposed development is not Schedule 1 development and is not located in a sensitive area. The proposed development does not fall neatly into one of the development types listed in Schedule 2, therefore consideration has been given to requirements related to the following Schedule 2 categories, all of which are considered to have some similarities or links with the proposals:

- 7 – Food industry (as WTW ultimately produces water for human consumption)
- 10a) – Industrial estate development projects
- 10b) - Urban development projects
- 11c) - Waste-water treatment plants
- 11d) - Sludge deposition sites

The site area exceeds the 0.5ha threshold for 10a) Industrial estate development projects and 11d) Sludge deposition sites. The other thresholds relate to larger site areas or a floorspace of 1000 square metres and are not met. It is considered therefore that the proposed development is Schedule 2 development and it is necessary to consider whether the proposal is likely to have significant effects on the environment taking account of the relevant selection criteria in Schedule 3 of the EIA Regulations.

The relevant Indicative Criteria and Thresholds set out in the Planning Practice Guidance for the proposed development are:

- 10a) Industrial estate development projects - sites of more than 20ha, with key issues likely to be increase in traffic, emissions and noise
- 11d) - Sludge deposition sites – sites intended to hold more than 5,000 m³ of sewage sludge, with key issues likely to be scale of development and impacts in terms of discharges, emissions and odours.

Taking into account the information contained in submitted “Request for an EIA Screening Opinion” report, and as set out above, it is considered that by virtue of its nature, size and location, and subject to mitigation, the proposed development would not be likely to have any significant effects on the application site or its immediate surroundings, nor do the characteristics and location of development indicate that the development is likely to give rise to significant environment effects. The site is not located in a sensitive area as defined by the EIA Regulations and it is considered that the potential for significant effects on the environment is low. Mitigation measures, which are typical for a development of this type and nature, would be necessary and these are able to be appropriately provided and controlled through the planning application process, including though the use of planning conditions. These measures would include securing a Construction Environment Management Plan, Sustainable Drainage System, mitigation measures arising from the findings of a Preliminary Ecological Assessment, Noise Assessment and Desk-Based Archaeological Assessment.

Accordingly, the screening assessment has identified that significant effects on the environment are not considered likely either alone or in combination with other development and, therefore, it is the opinion of Eastleigh Borough Council as the Local Planning Authority that the proposed development does not constitute EIA development as defined by the Regulations.

19. SCREENING DECISION		
If a SO/SD has been provided do you agree with it?	n/a	
Is it necessary to issue a SD?	n/a	
Is an ES required?	N	
20. ASSESSMENT (EIA REGS SCHEDULE 2 DEVELOPMENT)	OUTCOME	
<u>Not</u> likely to have significant effects on the environment	ES not required	X
21. REASON FOR SCREENING		
A request for a Screening Opinion was made to the Council.		

NAME	Liz Harrison
DATE	10.6.24