



Environmental Impact Assessment Template

24 Mar 2023 / Gabriela Quickley

Complete

Score	7 / 20 (35%)	Flagged items	13	Actions	0
Form Number	000001				
Form Version	V1				
Date Created	24 Mar 2023 11:28 PST				
Prepared By	Gabriela Quickley				
Location	4 Woolston Bank Cottages, Woolston, Oswestry SY10 8HZ, UK (52.8111202, -3.0092165)				

Flagged items

13 flagged

Environmental Impact Analysis / Natural Resources

Will the proposed project involve actions that will cause physical changes in the topography of the area?

Yes

Environmental Impact Analysis / Natural Resources

Will the proposed 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

Environmental Impact Analysis / Waste

Will the proposed project produce solid wastes during its construction, operation, or decommissioning?

Yes

Environmental Impact Analysis / Pollution

Will the proposed project release pollutants or any hazardous, toxic, or noxious substances to the air?

Yes

Environmental Impact Analysis / Pollution

Will it cause noise and vibration or release of light, heat, energy, or electromagnetic radiation?

Yes

Environmental Impact Analysis / Pollution

Will it 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

Environmental Impact Analysis / Population

Will there be any risk of major accidents (including those caused by climate change, in accordance with scientific knowledge) at any phase of the project?

Yes

Environmental Impact Analysis / Population

Will the proposed project present a risk to the population (having regard to population density) and their human health during construction, operation, or decommissioning? (e.g., due to water contamination or air pollution)

Yes

Environmental Impact Analysis / Transport and Access

Are there any routes on or around the location which is used by the public for access to recreation or other facilities, which could be affected by the project?

Yes

Environmental Impact Analysis / Transport and Access

Are there any transport routes on or around the location that are susceptible to congestion or can cause environmental problems, which could be affected by the project?

Yes

Environmental Impact Analysis / Land Use

Are there existing land uses or community facilities on or around the location which could be affected by the project?

Examples:

- Housing
- Densely populated areas
- Industry or commerce
- Farm or agricultural holdings
- Forestry
- Tourism,
- Mining and quarrying
- Facilities relating to health, education, places of worship, leisure, sports, or recreation

Yes

Environmental Impact Analysis / Cumulative Effects

Could this project, together with existing and/or approved developments, result in the cumulation of impacts together during the construction or operation phase?

Yes

Discussion of Results and Completion

Assessment Result

Likely to have significant effects on the environment

Project Details

Project Summary

Project Title Electric Vehicle Manufacturing Facility Project

Site/Location 5 Beechfield Ct, Grimsby DN34 4UB, UK
(53.5600201, -0.09376609999999999)

Organization PureMotions, Inc.

Project Lead/Manager Hayes Gruber

Contact Information

hayes.gruber@puremotionsinc.com
+44 7313 873392

Project Description

Goals and Objectives of the Project

The proposed project aims to construct a new manufacturing facility for producing electric vehicles to support the transition toward sustainable transportation.

Nature and Scope of the Project

The project will involve constructing a new manufacturing facility on a currently undeveloped site located in an industrial area.

Target Start Date 1 Jun 2023 00:00 PST

Target End Date 31 Dec 2023 00:00 PST

Regulatory Requirements

The project must comply with all applicable environmental regulations, including those related to air quality, water quality, waste management, and land use.

Proposed Alternatives (e.g., Location, Timeframe, Activities)

The project could be located in a different area where there is less impact on important or scarce resources, or it could be phased over a longer time frame to reduce its impacts. Additionally, alternative construction methods and equipment could be used to minimize impacts.

Environmental Impact Analysis

12 flagged, 7 / 19 (36.84%)

The succeeding sections will contain Yes-No questions to screen the environmental impacts of the proposed project. Please specify the reason(s) or detail(s) when prompted to do so. Media attachments are also encouraged to further contextualize the explanations provided.

Natural Resources

2 flagged, 1 / 3 (33.33%)

Will the proposed project involve actions that will cause physical changes in the topography of the area?

Yes

Please explain.

Building the manufacturing facility will require significant grading and excavation work to prepare the site for construction.

Will the proposed 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

Please explain.

It will require significant amounts of energy, water, and minerals to construct and operate the facility.

Are there any areas on or around the location that contains important, high-quality, or scarce resources which could be affected by the project (e.g., forestry, agriculture, water or coastal areas, fisheries, minerals)?

No

The site is located in an industrial area with limited ecological or cultural value.

Waste

1 flagged, 0 / 1 (0%)

Will the proposed project produce solid wastes during its construction, operation, or decommissioning?

Yes

Please explain.

The project will generate construction and operational waste, which will require proper management and disposal. These wastes may include construction debris, operational waste, and waste from the dismantling of structures.

Pollution

3 flagged, 1 / 4 (25%)

Will the proposed project release pollutants or any hazardous, toxic, or noxious substances to the air?

Yes

Expound in detail.

The proposed project may release pollutants or hazardous substances into the air during construction, operation, or decommissioning. These pollutants may include dust, emissions from vehicles and equipment, and dangerous substances from building materials and chemicals used in the facility.

Will it cause noise and vibration or release of light, heat,

Yes

energy, or electromagnetic radiation?

Expound in detail.

The construction and decommissioning process may cause noise and vibration that could affect nearby residents and wildlife.

Will it 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

Expound in detail.

The project will require proper management of wastewater and stormwater to avoid contaminating nearby water resources.

Are there any environmentally-damaged or polluted areas on or around the location (e.g., where existing legal environmental standards are exceeded) that could be affected by the project?

No

The site is currently undeveloped, and there are no known environmental concerns in the surrounding area.



Photo 1

Population

2 flagged, 0 / 2 (0%)

Will there be any risk of major accidents (including those caused by climate change, in accordance with scientific knowledge) at any phase of the project?

Yes

Please explain.

There is a potential risk of accidents during the construction and operation of the facility, which will require proper risk management strategies.

Will the proposed project present a risk to the population (having regard to population density) and their human health during construction, operation, or decommissioning? (e.g., due to water contamination or air pollution)

Yes

Please explain.

The debris and particulates from the construction process could have potential impacts on local air and water quality. Proper mitigation measures will be needed to address this.

Water Resources

1 / 1 (100%)

Are there any water resources including surface waters (e.g., rivers, lakes/ponds, coastal or underground waters) on or around the location that could be affected by the project, particularly in terms of their volume and flood risk?

No

Biodiversity	2 / 2 (100%)
Are there any protected areas (designated or classified, non-designated or non-classified) for their terrestrial, avian, and marine ecological value, located on or around the location, and which could be affected by the project? Examples: • Wetlands • Watercourses • Other water bodies • Coastal zones • Mountains • Forests or woodlands • Undesignated nature reserves or parks	No
Could any protected, important, or sensitive species of flora or fauna that use areas on or around the site (e.g., for breeding, nesting, foraging, resting, over-wintering, or migration) be affected by the project?	No
Transport and Access	2 flagged, 0 / 2 (0%)
Are there any routes on or around the location which is used by the public for access to recreation or other facilities, which could be affected by the project?	Yes
Please specify. There are recreational areas nearby, such as parks and hiking trails. The construction and operation of the EV facility could cause temporary disturbances to the surrounding environment, affecting the public's access to these areas.	
Are there any transport routes on or around the location that are susceptible to congestion or can cause environmental problems, which could be affected by the project?	Yes
Please specify. The transport routes around the proposed site are currently congested, and the introduction of heavy-duty vehicles could increase traffic and air pollution. The project may require improvements in transport infrastructure to prevent environmental problems.	
Land Use	1 flagged, 1 / 2 (50%)
Are there existing land uses or community facilities on or around the location which could be affected by the project? Examples: • Housing • Densely populated areas • Industry or commerce • Farm or agricultural holdings • Forestry	Yes

- Tourism,
- Mining and quarrying
- Facilities relating to health, education, places of worship, leisure, sports, or recreation

Please specify.

The proposed site is adjacent to residential areas and community facilities, such as schools and hospitals. The construction and operation of the facility could have noise and air pollution impacts on these facilities and the surrounding communities.

Are there any plans for future land uses on or around the location which could be affected by the project?

No

Climate and Land Stability

1 / 1 (100%)

Is the location susceptible to earthquakes, subsidence, landslides, erosion, or extreme/adverse climatic conditions (e.g., temperature inversions, fogs, severe winds) which could cause the project to present environmental problems?

No

Cumulative Effects

1 flagged, 0 / 1 (0%)

Could this project, together with existing and/or approved developments, result in the cumulation of impacts together during the construction or operation phase?

Yes

Please explain.

The project, together with other approved developments, could cumulatively impact air quality, traffic congestion, and noise levels in the area.

Assessment Result

Likely to have significant effects on the environment

Conclusion

The proposed EV manufacturing facility project has the potential to create significant environmental impacts on the surrounding area. These include potential noise and air pollution, traffic congestion, and disruptions to public access to recreational areas. However, the project could also promote sustainable transportation and reduce carbon emissions in the long term.

Recommended Action(s)

To minimize the project's environmental impact, the following actions are recommended:

- Conduct an environmental impact assessment and obtain necessary permits before construction.
- Implement mitigation measures to reduce noise and air pollution during construction and operation.
- Collaborate with local authorities to improve the transport infrastructure and minimize traffic congestion.
- Engage with the community to address concerns and incorporate their feedback into the project's design and operation.

Name and Signature of Assessor

Gabriela Quickley

Gabriela Quickley
24 Mar 2023 11:33 PST

Media summary



Photo 1