

## Environmental Assessment, Changes and Expansion to the Kansai Plascon Paint Manufacturing Facility

### Background Information Document (BID)

#### Proponent: Kansai Plascon

#### Document Purpose

The purpose of this document is to inform interested and affected parties of the proposed development and provide them with sufficient information to lodge an interest in the project.

In terms of regulation 41(2) published in Government Gazette No. R982 under Section 24(5) of the National Environmental Management Act (act 107 of 1998), all Environmental Assessments are required to inform potential Interested and Affected Parties (IAPs) of the proposed activities.

This document serves as the first notification in the process and is intended to allow interested parties to (i) register their interest in the project and receive regular updates on the progress, and (ii) raise initial comments or concerns related to the proposed activities.

You are therefore encouraged to register as an IAP by completing the registration form attached hereto and submitting it to:

Attention: Evert Jacobs  
Email: [admin@proportiodivina.co.za](mailto:admin@proportiodivina.co.za)  
Tel: 069 808 1431 (Whatsapp)

Register Via WhatsApp on the number above. Please ensure to include the details as per the registration page.

#### What is an Environmental Assessment?

In terms of listing notices 1, 2 and 3 of the Environmental Impact Assessment regulations of 2014, the required environmental authorisation process is described in Government Gazette Numbers R983, R984 and R985 as amended in 2017. Activities listed in Listing Notice 1 requires a Basic Assessment Process, whereas activities listed in Listing Notice 2 requires a full Scoping and Environmental Impact Assessment Process.

In terms of this project, the proposed activities are listed in Listing Notice 1 and therefore requires a Basic Environmental Assessment.

The specific activity triggered, that requires Environmental Authorisation, is as follow:

- Listing Notice 1 activity 34: The expansion, or changes to, existing facilities or infrastructure for any process or activity where such expansion, or changes to, will result in the need for a permit or license or an amended permit or license in terms of national or provincial legislation governing the release of emissions, effluent or pollution, excluding [...]

#### Public Participation Process

In terms of the EIA Regulations, interested and affected parties should be provided with an opportunity to participate in the Environmental Authorisation process through providing comment on the proposed activities and reports provided as well as by raising potential issues and concerns to be addressed as part of the Environmental Authorisation Process.

In order to participate in this process, please register your interest by supplying the Environmental Assessment Practitioner with a copy of the completed registration form provided (last page of this document).

The draft Basic Assessment Report has been compiled, it will be available for public comment for a duration of 30 days, by registering or commenting as an Interested and Affected Party you will be notified of the future steps and outcomes when they become available.

The consultant responsible for conducting the Environmental Assessment is Proprtio Divina Environmental Services and contact details of the Environmental Assessment Practitioner is provided in the first column of this page.

## Project Description

Kansai Plascon operates a complex which produces automotive paint for the vehicle manufacturing industry which is a large economic driver in the Nelson Mandela Bay area. They now propose to include increase the capacity of solvent based paints in their production process. Kansai Plascon does produce solvent-based paints at present under an existing Atmospheric Emissions License. This increase in the production necessitates a change in the site facilities to be able to produce solvent based paints at an approximate capacity of 4000 tons per year in addition to the current production.

The production process results in solvent-based paints produced through mixing of several chemicals, solvents and resins to produce the final product. The production process involves the following steps:

1. Receipt and storage of input materials (solvents, resins, and other chemicals).
2. Loading of mixing facilities with different volumes of ingredients.
3. Mixing of the combined substances by an operator.
4. Colouration and tinting of the product.
5. Testing of the product.
6. Filling of containers with approved product.
7. Storage and transportation of filled containers to clients.

The mixing process takes place in a series of tanks where substances are added sequentially. This stirring action, and the nature of the solvents and volatile chemicals result in the release of vapours that requires ventilation. The stirring process is manually controlled by the operator and the facility is equipped with a stack to vent vapours from the tanks.

Kansai Plascon therefore seeks to amend their Atmospheric Emissions License by making changes to their facility and utilising the existing processes on site. The changes will require additional emissions venting.

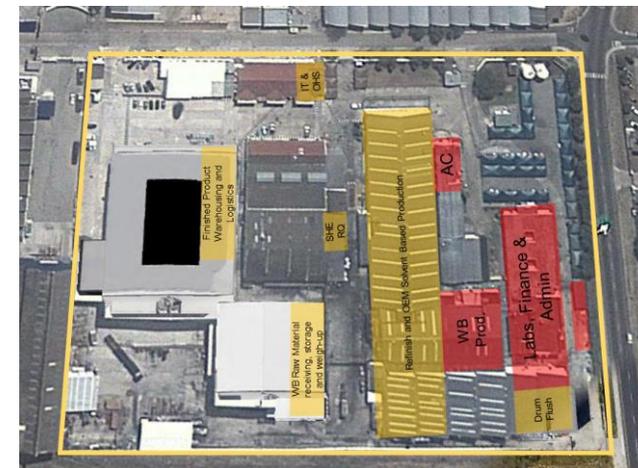
The proposed facilities to be constructed and installed at the site will include the following:

- The existing infrastructure on site will be re-purposed to allow for the expansion and a clearcoat manufacturing plant will be installed in the re-purposed areas.
- This plant will have containment facilities in the form of a bund with a sump to control any spills and leaks that may occur during the manufacturing process.
- To allow for ventilation and removal of vapours produced during the mixing process, a dedicated stack will be constructed.
- To insulate some of the mixing tanks from vapours released, Due to its inert properties nitrogen gas is used as a barrier to prevent unwanted contamination of product. Nitrogen tanks will therefore be installed to supply nitrogen as and when needed.
- The provision of nitrogen to the required mixing area will be either through a pipeline or by installation of smaller nitrogen tanks at strategic locations.
- Tanks are cleaned using solvents and the resultant effluent are re-used in the process. The associated distillation, handling and storage facilities are existing but will handle increased volumes.
- Facilities for the temporary waste handling and storage will be required for the resultant sludge that is produced in the cleaning process. These are existing facilities but the volumes will be increased.

## Impacts to be Assessed

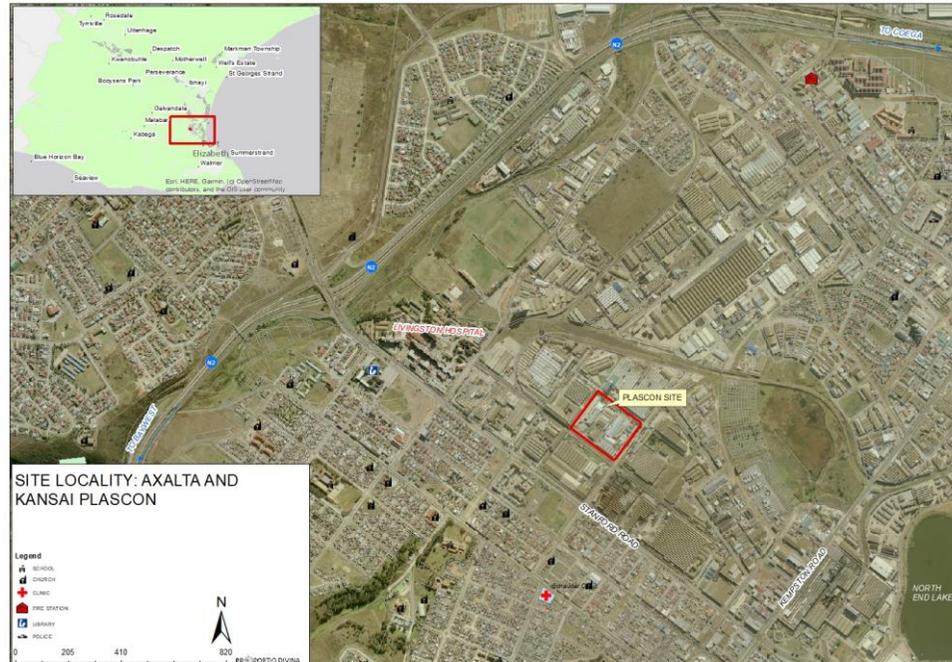
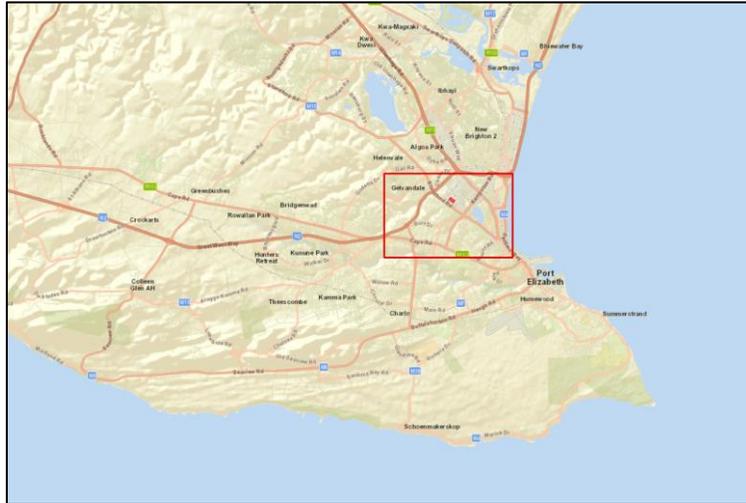
The following impacts will be assessed as part of the Basic Assessment process:

- Atmospheric emissions resulting from the facility
- Risk to groundwater contamination
- Safety risk of the facility in terms of the facility being classified as a major hazard installation



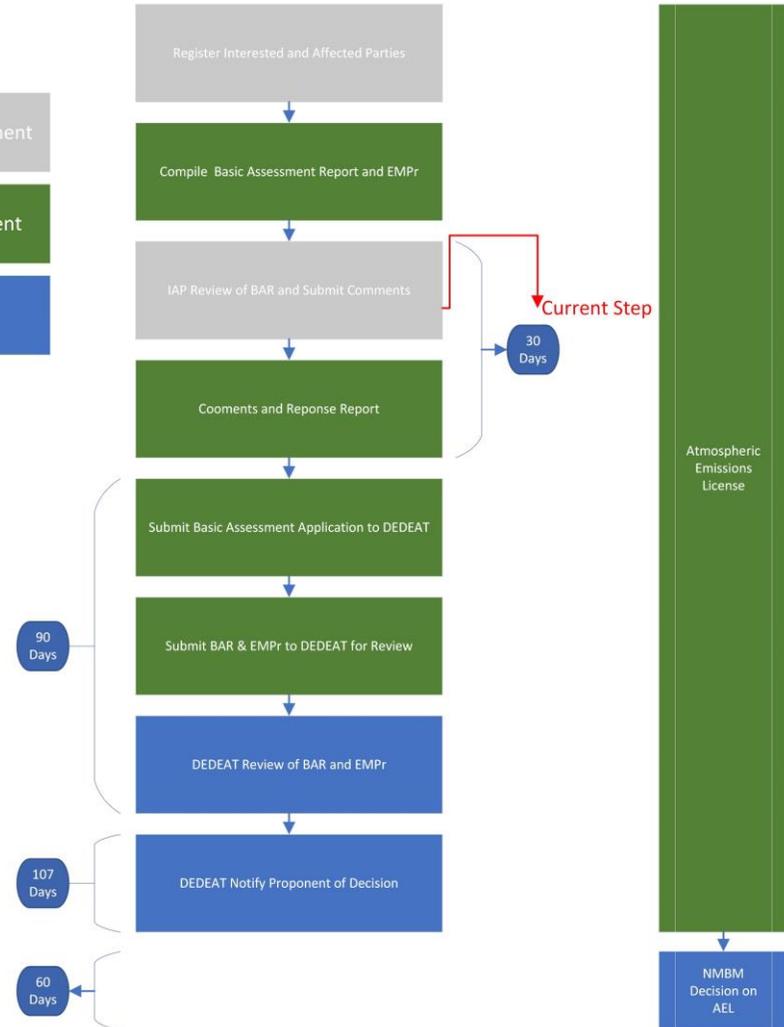
**Figure 1: Operations at the site indicating the activities on site.**

### Location of the Proposed Activity

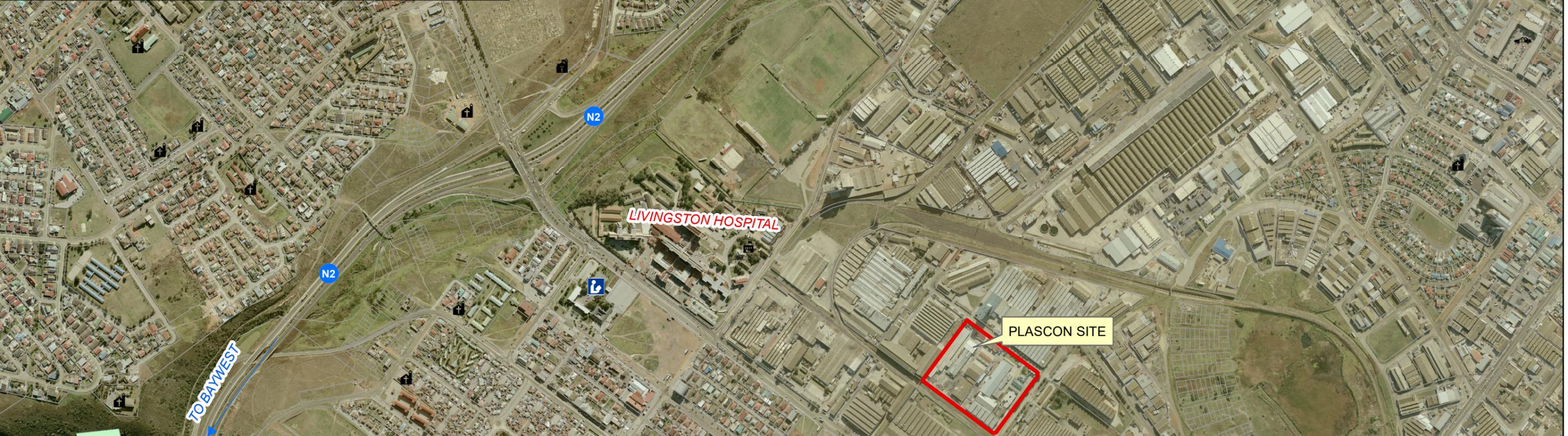
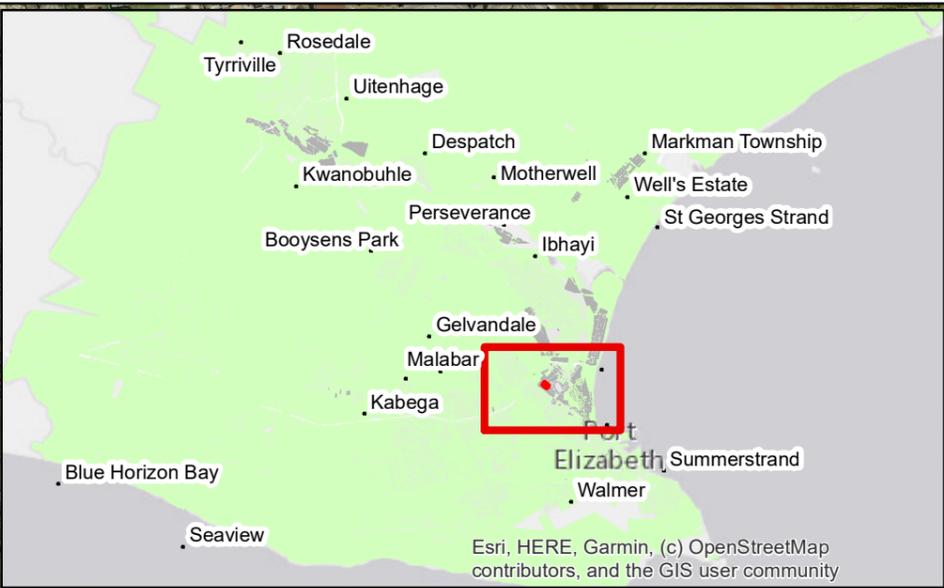


### Assessment Steps

KEY:







### SITE LOCALITY: AXALTA AND KANSAI PLASCON

**Legend**

- SCHOOL
- CHURCH
- CLINIC
- FIRE STATION
- LIBRARY
- POLICE

0 205 410 820 Meters

PRO PORTIO DIVINA

NORTH END LAKE