

Environmental Impacts Screening Decision for Standard Perfection Service Gas Station

Project location and components



Figure 1. Location of Gas Station Operations



Figure 2. The Proposed Site of the Gas Station Project

Background

Standard Perfection Services is a Guyanese Registered company interested in the purchasing and reselling of petroleum products such as gasoline, diesel and kerosene. The Standard Perfection Service Station will be operating at 39 Mabaruma Township, Barima-Waini. The fuel will be transported to the gas station by GUYOIL via barge. There will be three (3) double walled above-ground storage tanks with tank capacities one (1) 10,000 and two (2) 7,000 gallons. There will be five (5) to ten (10) employees maintaining the service station operations. Standard Perfection Services expects these endeavours to be essential to the industrial and commercial development of Guyana's economy. It must be noted that this will be the first type of facility in the Region One Sub-district.

Environmental impact screening

The EPA's screening concludes that there are no identifiable significant environmental impacts, especially on soil quality and waste management, nor is the project deemed environmentally sensitive. Impacts arising from the operational phase of the service station project are manageable localized, and acceptable, and an Environmental Impact Assessment (EIA) and an Environmental Management Plan (EMP) will not be required.

- Impacts related to water quality and drainage are expected to be minor due to the proposed drainage system, inclusive of an oil-water separator and the containment bunds for the storage tanks and leak detection mechanism such as automatic shutoff systems, sensors on the tanks, dip stick but not limited to. The waste receptacle area will be paved, graded and roofed to prevent run-on of storm water. The dispensing area will be paved with concrete and sloped to prevent ponding and run-on of storm water.
- Impacts related to fire safety will be address through a string of safety measures that will be implemented these include clearly marked portable fire extinguishers and fire protection equipment.
- Pipes, valves and fittings will be protected from any potential vehicular damage by steel guard posts which will be placed at least three (3) feet away from the storage tanks.
- Impacts related to air quality and dust pollution during the construction phase are negligible due to damping techniques on areas be used for storage of building materials.
- A Spill Prevention, Control and Countermeasures (SPCC) Plan will be designed and developed for the service station. In the event of a spill, the EPA will be notified within 24 hours. Spill kits containing absorbent material, drain seals disposal container and other spill

response equipment will be placed at all sites in event of a accidentally release of petroleum products.

Conclusion and recommendations

The EPA concludes that there are no significant impacts for the gas station project where it is deemed environmentally sensitive. Impacts that may arise from the operational phase of the project are localized, and manageable. An EIA/EMP will not be a requirement by the EPA, however an Emergency Response Plan (EMP) which will include a SPCC Plan at the proposed Gas Station operations since this development will provide a valuable asset to industrial and commercial activity in Region One.