



Environmental Impact Assessment (EIA) Screening Decision Ice Manufacturing.

*Proceed
WP 3-5-23*

1 SUMMARY OF THE PROPOSED PROJECT

Cool Ice, a proposed Ice Manufacturing Facility will be located at Lot 2 Sheila's Lane, Soesdyke, East Bank Demerara, in Administrative Region #4. The land uses surrounding the project is sparsely populated with residence located approximately 23 meters north, a church located approximately 28 meters south, empty vegetated land located 15 meters east, and the access road located 43 meters west.



Figure 1: Location of Project Site.

2 POTENTIAL ENVIRONMENTAL AND SOCIAL IMPACTS AND SCREENING DECISION

The EPA based on existing data, its technical review, observations/field inspections, screening tool, and exercise of its discretion has determined that the impacts on the environment will not be significant nor deemed environmentally sensitive, given that the closest receptor is approximately 25 meters west & 28 meters East of the project. Further, the project will be implementing the following measure to mitigate air and noise emissions:

1. The generator will be maintained according to the manufacturer's specifications.
2. Generator will be equipped with primary and secondary air filters. The primary filter element is made to take out impurities on the airflow coming into the absorption process and the secondary filter act as representing an optionally available filtration during servicing of the main filter, generally, it fits inside the outer element.
3. Generator are designed and optimized for low fuel consumption (less emissions).
4. The entire facility will be fully enclosed with hollow blocks and the base of the facility will be concreted to act as a buffer for noise and vibrations.
5. The ice machine will be enclosed in an insulated room lined with soundproof padding. This aids in minimizing the noise emitted from the manufacturing process.
6. Noise from the chiller machine will not be continuous given that the facility will operate within the hours of 6:00 am to 5:00 pm Monday to Friday.



7. Ice will fall into the insulated cooling room.
8. The generator (100 Kw) sets are fully equipped with silencers and mufflers and stored within a semi-concrete structure.

Conclusion and recommendations

The environmental impacts that may originate from the operation of the project activities are considered **not significant** given that the appropriate mitigation measures will be in place to reduce and avoid the above impacts. Therefore, this proposed project is exempt from the conduct of an Environmental Impact Assessments (EIA), as set out in section 11(2) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.