



Town & Country Development Planning Office
BLOCK C, GARRISON
ST. MICHAEL
BARBADOS



Tel. No. (246) 467-3000
Fax No. (246) 430-9392
E-mail: contact.townplanning@gov.bb

Ref. No:

Date: 2009-0

FACSIMILE TRANSMISSION FORM

TO: Roger Blackman

ADDRESS: B L O Power

FAX NO. OF RECIPIENT: 425-9255

SUBJECT: Application 3260/1/09 - Construction of Wind Turbine Generators at bank of

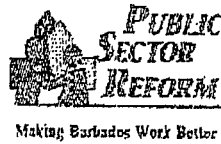
FROM: Margie Street ^{PhD} Chief Town Planner

NO. OF PAGES (including cover) 2

MESSAGE:

TIME:

Our mission: To ensure that all members of the public are accorded an efficient and timely service in order to provide the best physical environment possible.



MEMORANDUM

**FROM: DIRECTOR
ENVIRONMENTAL PROTECTION DEPARTMENT**

**TO: Chief Town Planner
Town and Country Development Planning Office**

Attention: Marjorie Stuart-Griffith

REF#: 20/T23

DATE: 29 May 2009

**Subject: Re: Application No. 3262/11/04C – Construction of Wind
Driven Generating Station at Lambert's Plantation, St. Lucy**

1. The Environmental Protection Department (EPD) has reviewed the response from Barbados Light & Power Co. Ltd (BL&P) regarding clarification of the EIA report. It should be noted that some of the comments forwarded to BL&P by the Town and Country Development Planning Office (Ref: 3262/11/04C dated July 24, 2008) differed to the comments submitted by the EPD (Ref: 20/T23 dated May 27, 2008). As a result some of the responses were insufficient and require further clarification.

2. The following areas require further attention:

i. Methodology of Noise Monitoring

- Noise dosimeters are ideal for measuring personal exposure to occupational noise but are not appropriate for the purposes of a field noise survey. An Integrating Sound Level Meter is recommended as a more accurate method of determining the L_{eq} and is particularly useful if the noise is highly variable.
- Detailed descriptions of the monitoring sites and noise generating activities that were occurring at the time of monitoring should be provided.

ii. Methodology/Rationale for the 350m separation distance

- The industry guideline used to calculate the 350m set back should be referenced. The EPD remains concerned that 350m from the base of the tower to the nearest resident is not adequate to reduce potential impacts.
- It is also not clear if the land within the 350m is to be acquired by the developer or if the owner may wish to develop it at a later date.

iii. Hours of Construction

- Use of heavy equipment should be limited to daytime.

iv. Section 7.2.4 Specifications of Turbines

- Since the type of turbine to be used has not been finalised, a range of noise data from different types of turbines being considered should have been provided to represent alternatives available.
- Little information has been provided as to what levels of low frequency noise are considered "problematic" and /or "significant" as well as no indication given as to established accepted thresholds for such noise.

v. Dust Control Measures

- Although dust control measures are covered in Section 7.1.3 of the Environmental Impact Report and in more detail in the Environmental Management Plan for Construction, neither one makes specific reference to the minimisation of releases of particulates e.g. dust from vehicles entering and leaving the site. Examples of controls not mentioned may include wheel washing and enforceable speed limits.

vi. Section 7.2.4- Post Commissioning Noise Monitoring

- The appended Environmental Management Plan indicated post commissioning noise monitoring at one location only. There should be a more comprehensive monitoring plan with multiple locations included along with a schedule indicating the times and frequency of the monitoring.

3. Sincere apologies for the tardiness of this submission.

.....
Ingrid Lavine
For DIRECTOR