SECTION E7- CONTROL OF AIR & NOISE POLLUTION

OBJECTIVE

The purpose of the procedure is to control and minimize air and noise pollution to meet with acceptable limits.

RESPONSIBILITIES

The Director-in-Charge or QE Manager is the Owner of this procedure and has overall responsibility and authority for its establishment and maintenance. Department Heads shall be responsible for the successful implementation of this procedure.

PROCEDURES

1. Identify Sources

1.1 The QE Manager shall identify sources of pollution through environmental risk assessment.

1.2 Sources of pollution include:

(a) Air: use of ozone depleting substances, dust from vehicles, etc.

(b) Noise: noise exposure during site visits, etc.

2. Monitor & Measurement

2.1 The QE Manager shall:

(a) Identify types, frequency and locations of pollution sources to be monitored or measured based on the scale of pollution and legal requirements

(b) Review the results of measurement and verify compliance with legal limits

(c) Initiate non-conformance when deviance to acceptable levels is detected. In the absence of legal limits, the best practicable measures shall be taken to minimize environmental impact

2.2 The QE Manager shall:

(a) Arrange for monitoring and measurement

(b) Ensure that measurement devices are calibrated if necessary

(c) File and maintain all monitoring and measurement record

3. Control of Air Pollutants

3.1 The QE Manager shall ensure:

(a) Ozone-depleting substances (CFCs, Halons, Freons, etc) are controlled by proper disposal of unwanted air conditioner and prohibiting the use of halon-containing fire extinguisher.

(b) Ozone-friendly alternatives are purchased

4. Control of Noise Pollution

4.1 The QE Manager shall eliminate or control noise generated:

(a) at source:

- Recommend to substitute with less noisy equipment

(b) by protecting the affected persons by:

- Reduce duration of exposure by shift rotation
- Supply hearing protection devices, such as earplugs, earmuffs, etc. and instruct on the usage and hazards
- Identify personnel who are subjected to excessive exposure to go for audiometric examinations with reference to Factories (Medical Examination) Regulations. (if applicable)

5. Maintenance

5.1 The QE Manager shall:

(a) Establish maintenance regime for equipment and machinery with potential for causing significant environmental aspects

(b) Carry out periodic maintenance as per defined frequency

(c) Carry out regular inspection to detect and service under performing equipment and machinery