

An Environmental Work Practice is a set of positive guidelines or "Do's and Don'ts" on how to control an aspect of the services, activities, or products of Yukon Energy that may have a negative effect on the environment.

## DIESEL GENERATOR EMISSIONS

EMS-EWP-002

---

### 1.0 Introduction

#### 1.1 Purpose

The purpose of the **Environmental Work Practice** for **Diesel Generator Emissions** is to outline the steps required to use Yukon Energy Diesel generators to produce electricity in a manner that is consistent with Yukon Energy's Environmental Policy.

It is the objective of Yukon Energy to produce electricity with the fewest air emissions and least pollution emitted into the environment, as well as to minimize the impact of such air emissions where they are unavoidable.

#### 1.2 Requirements

- A copy of the Air Emissions Permit, from Environment Yukon, is kept at each site.

##### 1.2.1 Operation and Maintenance

- Except for maintenance purposes (e.g., exercise, run after repair) SCC and Plant Operators must use the generators at each site **in order of highest efficiency** under the circumstances. In the rare event that is not possible the operator and SCC must keep a record of why this was done.
- Whenever possible schedule maintenance with surplus hydroelectricity availability so diesel generation is not needed to meet electrical demand.
- Follow manufacturers maintenance prescriptions and conduct all necessary maintenance for generators and environmental emissions controls so the units are as efficient as possible. Monthly run-ups are currently done as scheduled maintenance.
- All particulates collected by emissions control equipment shall be contained such that they are not released to the environment.
- All inspections carried out on the diesel generators shall be documented and retained and will include the name of the person conducting the inspection, the date of the inspection, any observations recorded during the inspection, actions taken as a result of those observations, and the date each action was taken.

## **2.0 Monitoring, Reporting and Record Keeping**

- Keep all records for a minimum of three years and make them available upon request for inspection by an environmental protection officer.
- Records will be kept at Records Management
- The unit operating authority (i.e., SCC) must obtain approval from an Environmental Protection Officer with YG prior to:
  - any addition, modification, removal or replacement of any equipment or components related to the release, abatement, control or treatment of air emissions; or
  - any change in the location of the source(s) (i.e., if there is a plan to move a generator).

## **3.0 Applicable Legislation and Other Requirments**

- *Yukon Environment Act*
- *Yukon Air Emissions Regulations*

Yukon Air Emissions Permit No. 60-010

## **4.0 Other Related Information**

### ***Yukon Energy Safe Work Practices***

SWP's can be found on the Health and Safety Sharepoint site.