



**Procedure for operation of the railway during normal running both during public running, members days and when members are operating the railway for any other purpose.**

**Proc. No 005 The use of flammable & explosive substances at SSME Normanby Hall railway site.**

**This procedures below shall be adhered too at all times.**

**Control, Storage and Use of Flammable & Explosive Liquids on the SSME Normanby Park Railway site.**

**General**

All flammable liquids, gels or solids brought to or used on the Normanby Park SSME club site must be contained in clearly labelled containers depicting their contents, stating the hazards when used and any treatment recommendations specified by the supplier. It is preferable that containers supplied and labelled by the manufacturer or supplier of the flammable substances should be used, clearly displaying their COSH information, and depicting that the contents are flammable and or explosive.

The list of flammable materials is not exhaustive and other flammable substances not specified in this document shall be subject to the requirements specified in this document.

**Unlabelled or marked containers shall not be used.**

Flammable liquids, gels or solids shall be stored in robust containers equipped with airtight sealing lids and capable of containing the contents under normal UK. temperature and subsequent pressure change conditions (e.g., sealed petrol containers)

Manufacturers and suppliers' containers shall also meet this criterion.

Glass, porcelain, or fragile containers shall not be used.

Capacities of all flammable liquids, gels or solids shall be limited to A quantity of less than 2.5 litre, except for petrol where a maximum of 1 gallon 4.54 Litre shall be permissible.

All flammable liquids shall be coloured purple similar to methylated spirits, to avoid the liquid being confused with water.

Petrol shall be stored only in approved containers, rated to withstand the pressure change created by petrol under UK atmospheric conditions and are excluded from the requirement for the liquid to be coloured, but the container must be clearly labelled PETROL in 50mm high letters that are easily recognisable and in colour contrasting with the petrol container body.

**Storage**

When not in use All flammable liquids, gels or solids shall be stored in the SSME designated storage location or in the users vehicle outside the steaming bay. Liquids or gels which can be affected by low temperatures such as air frost shall be stored in designated locations within the club room / workshop if they are required to be stored on the SSME club site. These flammable liquids or gels shall be protected from contact with any sources of ignition or extreme temperature change.

### **Use in general areas.**

Great care should be taken using flammable liquids, gels, or solids. Anyone using highly flammable liquids, gels, or solids such as petrol, methylated spirits, or solid paraffin blocks, shall not work alone when using these materials in their ignited state, other than when firing a steam powered vehicle.

### **Use in confined areas.**

When flammable liquids, gels or solids are to be used in confined spaces such as the workshop, club room, trolley, carriage or coach sheds or the tunnel, the persons using them should ensure the area has adequate ventilation and that only the minimum amount of liquid required to complete the task is taken into these locations and in accordance with the previous containment guidance given above.

Note: The workshop/club room, trolley, carriage, or coach sheds are not considered to be confined spaces as sufficient ventilation can be arranged within these areas to adequately remove the perceived dangers from flammable liquids, gels, or solids during their use or use when used in their combusted state.

Use of all flammable liquids, gels, or solids Shall be prohibited until the ventilation of these areas has been arranged.

The list of areas is not exhaustive and further risk assessment may be required in other locations.

### **Use of flammable materials in the Steaming Bay**

Only pre-soaked materials shall be brought into the steaming bay.

The soaking of materials for the use in firing a steam powered vehicle shall be carried out in containers of approximately 750ml capacity, prior to entry and outside the steaming bay general area.

All containers of flammable liquids, gels or solids used or stored in the steaming bay, shall be clearly labelled depicting their contents and stored in a location where they are protected from contact with any sources of ignition or inadvertent use for other purposes than to accelerate the ignition of solid fuels.

Containers of wooden sticks or charcoal soaked with flammable liquids, gels, or solids, mixed with the above for the purpose of lighting a fire in a steam locomotive must be in robust, effectively sealed containers, with airtight lids, clearly labelled depicting their contents and specifying that they contain flammable material.

It is not necessary to specify the exact flammable material used in the pre-soaked containers, but the mixing of flammable materials should be avoided.

### **Internal combustion engine powered locomotives or vehicles:**

Further specific precautions shall be applied to Internal Combustion engine powered Locomotives or vehicles.

The locomotive must not be fuelled or refuelled in the steaming bay.

Fuelling or refuelling shall be carried out on the storage tracks connecting to the main transporter beam (bendy beam), the locomotive being located between and segregated by approximately 1 metre from the stored coaches and the transporter beam.

When stored in the steaming bay area Internal Combustion engine powered locomotives must be separated from a steam locomotive by at least one bay.

### **Use in Station.**

No flammable liquids shall be used in the station when the track is in operational use.

### **Extinguishant:**

The steaming bay is equipped with force fed demineralised water and in the event of an uncontrolled fire can be used to douse the flames.

A fire extinguisher is also available, at the steaming bay in the main club house.

### **Designated storage areas:**

1. Main club house under bench in designated oil, flammable liquids, gels, or solid's location. This shall be labelled.
2. Carriage area in designated oil, flammable liquids, gels, or solid's segregated location. This shall be labelled.
3. Steaming bay flammable liquids, gels, or solid's location, used for lighting steam engines shall be under the strict control of each locomotive owner or operator, using the steaming bay.

