

**Twyford Waterworks Trust Risk Assessments (1)**  
**Operation**  
**Internal Combustion Engine Operation**

<b>Date</b>	<b>Reviewer</b>
September 2015	Graham Feldwick
November 2016 January 2017	Geoff Bailey Ray Caine

<b>Process: Internal Combustion Engine Operation</b>			
<b>Specific part of process and details: 1. Transfer of oils, lubricants and fuels to engines</b>			
<p>Risks:</p> <p>Leakage or spillage from containers which could pollute the water source</p> <p>Spillage while filling fuel tank</p> <p>Incorrect use of materials due to insufficient labelling</p> <p>H&amp; S issue due to inhalation, ingestion, or contact with skin and/or eyes</p>	<p>Risk Owner &amp; deputy: Geoff Bailey TBA dependent on engine</p>	<p>Risk Rating M</p>	<p>Control(s):</p> <p>All oils, lubricants and fuels must only be used from small containers (max 10 litres for fuel, and preferably purpose supplied hand-held oil cans for oils), filled as required from stock containers held in the oil storage area.</p> <p>Fuel/Oil absorbing sheets and fuel/oil spill kit should be available at all times</p> <p>All containers should be fit for purpose and adequately labelled.</p> <p>All containers brought to the main site should contain only sufficient material for the task required, and should where possible be conveyed within another container to act as a bund in case of spillage. <b>Once brought to the main site all containers should, wherever practicable, be kept within a bunded area.</b></p> <p><b>Personnel dealing with fuels etc should be familiar with the H&amp;S issues set out in the COSHH data sheets (and RA where available) Correct PPE should be worn at all times.</b></p> <p>Spillages, however minor, should be attended to immediately and reported to the H&amp;S Manager or Person In Charge. <b>Recommendations for first aid/clean up to be followed if clothing/skin has been affected</b></p>

			<p>Oils, lubricants and fuels should be transferred from the containers taking great care not to cause any spillage, using the equipment provided (eg: pump, funnel).  NB: Transfer House day tank is fitted with a semi-rotary hand pump which should always be used to fill it with fuel.  This tank should be drained after each Open Day.  The Transfer House engine bund should be checked weekly for signs of any leakage from the engine, which must be reported immediately.</p> <p>Where any oils, lubricants or fuels are added to machinery or equipment, checks should be made regularly for leaks, and appropriate action taken immediately if this is found.</p>
Control Status: Effective			
Risk Assessment Review Period: Annual			

Process: Internal Combustion Engine Operation			
Specific part of process and details: 2. Leakage of oils, lubricants and fuels during operation			
Risks: Leakage of oils, fuel and other lubricants due to incorrect running or failure of engine	Risk Owner & deputy: Geoff Bailey TBA dependent on engine	Risk Rating L	Control(s): Fuel/Oil absorbing sheets and fuel/oil spill kit should be available at all times  Engine should be inspected regularly during operation for any sign of leaks, and these should be reported immediately to the Risk Owner <b>and H&amp;S Manager</b>  Any leakage that occurs from an engine should be contained and mopped up immediately <b>using purpose made absorbent materials</b> , and reported to the H&S Manager.  Appropriate PPE must be worn at all times. <b>See also H&amp;S advice above in sheet 1 above</b>  It is essential to read the Transfer

			<p>House 3VCR Engine Method Statement before operating this engine. <b>New operators must be trained by one of the experienced operators over several cycles of operation.</b></p> <p>All fuel to be drained from day tanks at the end of operations.</p>
Control Status: Effective			
Risk Assessment Review Period: Annual			

Process: Internal Combustion Engine Operation			
Specific part of process and details: 3. Leakage of oils, lubricants and fuels between operation			
<p>Risk: Leakage of oils, fuel and other lubricants between operating days</p>	<p>Risk Owner &amp; deputy: Geoff Bailey TBA dependent on engine</p>	<p>Risk Rating L</p>	<p>Control(s): All fuel to be drained from day tanks at the end of operations.</p> <p>Fuel/Oil absorbing sheets and fuel/oil spill kit should be available at all times</p> <p>Operating engines to be checked weekly for any evidence of oil leaks</p> <p>Any evidence of leaks to be reported urgently to the Risk Owner, and if necessary <b>absorbent material immediately placed to contain the spillage.</b> Engine should be drained of oil <b>until leakage problem corrected</b></p>
Control Status: Effective			
Risk Assessment Review Period: Annual			