

**DERBYSHIRE COUNTY COUNCIL  
MANAGEMENT OF HEALTH & SAFETY AT WORK REGULATIONS  
CHILDRENS SERVICES**



**GENERAL HEALTH & SAFETY RISK ASSESSMENT FOR:** Radon Gas in caves / mines

**PART 1 : ADMINISTRATIVE DETAILS**

**Section/Establishment Name:** Lea Green Learning & Development Centre

**Date of Assessment** 22/6/2020 **Date of Issue** 22/6/2020

**Assessment  
carried out by**

GN

**Signature**

**Reviews**

Review Date	Reviewed by	Date	Changes Made	
			Y	N
Nov 2020	GN	24/11/20		N
Nov/Dec 2021	IW,GN,DH,PV	10/11/21	Y	
Nov 22	IW/GN/PV	3/11/22		N
Nov 2023	IW,GN,DH,PV	14/11/23		N
Feb 25	IW PV GN	10/02/25		N
Jan 26	GN	6/01/26		N

**Affected persons:**

Young People/Clients

☐

Staff

☒

Visitors

☐

Contractor

☐

Others (specify)

**Name of Manager confirming and agreeing Assessment:**

IW

**Signature:**

**The following sections should be completed by all staff who need to be made aware of and abide by the findings of the Risk Assessment. NB: If, as a result of a review, changes are made to the Risk Assessment the relevant box on the attached page should be completed as appropriate by the staff concerned.**

## RISK ASSESSMENT

**I confirm that I am aware of and understand the findings of the Risk Assessment and agree to ensure that I will work to the stated Control Measures and bring to the attention of Management any deficiencies in the findings of the Assessment.**

[illegible]

## RISK ASSESSMENT

What are the hazards?	Generic Control Measures implemented	✓ X	Person to implement	Additional Control measures needed to reduce risk to an acceptable level	Person to implement	Date to be actioned
<b>Radon Gas/Lung Cancer</b>	<p>Comply with the Ionising Radiations Regulations 2017 (IRR17). Where radon is present above the defined level of 300 Bq/m<sup>3</sup> (as an annual average) take action to restrict resulting exposures.</p> <p>Draught and ventilation</p> <ul style="list-style-type: none"> <li>➤ Temperature/time of year</li> <li>➤ Low and High Pressures</li> </ul> <p>Seasonal Caves/Mines: winter usage</p> <p>High known levels of Radon</p> <p>Caves and mines with known testing and acceptable levels for year round or seasonal use at present</p> <p>All NGB qualified staff to have completed and passed the HSE Radon paper.</p>			<ul style="list-style-type: none"> <li>• Testing of caves is taking place by PiCA and results will determine usage and exposure. Until this information is available, use the same procedures and restrictions as are in Lea Green Centre's Protocol and current PICA information</li> <li>• Restrict number of trips in some caves and mines to seasonal times</li> </ul> <p>Identify and do not use or restrict to safer low radon reading areas and season/temperature restrictions</p> <ul style="list-style-type: none"> <li>• Mouldridge Mine</li> <li>• Devonshire Mine</li> <li>• Holmebank chert</li> <li>• Jug Holes</li> <li>• Carlswark cavern</li> <li>• Ashford Black Marble Mine</li> </ul>		

	<p>Caves Mines use Monitoring Staff usage</p> <p>Education: Staff information including Relief Staff /part time who may cave for other organisations</p> <p>For recreational caving</p>			<ul style="list-style-type: none"><li>• Staff input their trips into their personal radon estimator spreadsheet. This is monitored by the Radon Protection Supervisor (RPS)</li><li>• Average only 10 trips per-year for instructors</li><li>• N/A only centre staff used</li><li>• Staff to record own trips for work and BCA require personal trips to be recorded in personal log book for evidence of current activity.</li></ul>		
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