Peat Bog Restoration Framework Agreement (NCS_22468) – Lot 2

Please note that the terms and conditions as detailed in Natural England's Peat Bog restoration Framework Agreement (NCS_22468) will apply to this call off Contract.

FROM

Authority	Natural England
Address	Room 101, Foss House, Kings Pool, 1-2 Peasholme Green, York YO1 7PX
Contact Ref:	**Ref:** LIFE13 NAT/UK/000443 **Name:** [redacted] **Phone:** [redacted] **E-mail:** [redacted]
Bravo Reference Number	*ECM_53078* *[To be quoted on all correspondence relating to this Order]*
Contract Start Date	18th September 2018

TO

Contractor	Conservefor Limited
For attention of:	**Name:** [redacted] **Phone:** [redacted] **E-mail:** enquiries@conservefor.co.uk
Address	Unit 14 Sowarth Industrial Estate Settle North Yorkshire BD24 9AF

1. SERVICES REQUIREMENTS

(1.1) Services and deliverables required:

1.1.1 Location (Appendix 1)

Fish House and Deer Dike Mosses are the north and south parts of the more northern of the two lowland raised bogs at Roudsea Woods and Mosses SSSI/SAC/NNR. The bog is located 1.3 km southwest of Haverthwaite, South Cumbria. Access to the site is via the private road immediately south of the River Leven bridge (leading to Mearness Farm) and the NNR track entrance at SD 330 827. Using the NNR office postcode may take you to an incorrect location.

a. Background

Apart from Area A, the bog has not been cut-over but does have an extensive system of narrow ditches 11 – 15 metres apart. Otter Dike is an over-deepened watercourse with its origin on the bog. There has been peat cutting along the southern and western side of the bog and there is slumping behind these edges and around Otter Dike, as wells as in some damaged areas in the middle of the bog. Pine, birch and rhododendron have colonised the

slumped areas, with the largest trees being located along Otter Dike. Dense rhododendron and birch were cleared along the southern margin of Deer Dike Moss in spring 2018. Planning permission (7/2018/5099) is in place and Ordinary Watercourse Consent is not required for the hydrological restoration.

b. Timings

Natural England Requires the work to be completed and invoiced by December 31st 2018. Work should start as soon as the contract has been awarded.

Secondly, additional scrub and rhododendron flailing is required in the work areas C, H, I and J. We are awaiting a felling licence, which will be granted in October. This means that an area of 14ha cannot be rewetted until the flailing works have been completed (Annex 3). The contract for scrub flailing will then be let by 1st October 2018, with works being completed by the end of November at the latest. Your work timeline needs to take this into account

c. Work area

The work area is lowland raised bog with up to 7 metres of peat over much of the area and around 2 or 3 metres on the edges. Tree/scrub ages vary from sapling to 80+ years.
Ground conditions on the bog are extremely wet. Low ground pressure vehicles/bog mats must be used in all circumstances.
Any high seats encountered should be left in place.

1.1.2 Access

Access to the site is via the private road immediately south of the River Leven bridge at Haverthwaite and then the National Nature Reserve track at SD 330 827, which leads to the office, car park and bog. In exceptional conditions (combined high tide, rainfall and wind) the road and NNR track may flood to the office car park and beyond.
The office car park is available for parking and storage of materials by arrangement with the Site Manager on [redacted]
Access to the work area for machinery will be at SD352 803 via the track.

1.1.3 Outputs.

Natural England requires you to tender for:

a. 950m - Cut face – re-profiling.

b. 82ha - Rewetting bog surface after scrub and rhododendron have been removed. Flailings still in situ.

c. 625m of ditch shallowing and peat and plastic dams

d. 400m - Access track maintenance/repair.

e. The tracks must be maintained during the contract period to allow access for the NNR team and other vehicles

1.1.4 Site Description

a. The site can be split into six components:-

i. Area A. Cut over bog with tree stumps.

ii. Area B. Intact bog with large grips and smaller ditches. Remains of small trees and scattered rhododendron.

iii. Area C. Otter Dike. Over deepened stream/ditch with mature pines surrounding it.

Dense birch scrub, which will be flailed in October/November 2018

There will be some no-go areas in here to protect rare species. These will be marked out before the contractor undertakes any works.

iv. Area D, E, F, G, J. Intact bog with regular 0.5x0.5m drains, scattered plastic pile dams and mature Scots pine still standing.

v. Area H. Slumping bog with cut-over area at south and birch and pine. Scrub to be flailed in October/November 2018.

vi. Area I. Cut peat face. Averaging around 1-2ms high.

vii. Areas A/B/E/F have sections of plastic piling protruding above ground

1.1.5 Detail (Appendix 2)

a. Cut over bog with scrub stumps. 2ha 20x20m Bunded Cells.

Framework 2.4.2

i. Construction of the bunded cells is as described in the Framework documentation.

ii. Please note that the core of the bunds should be about 100mm above ground level before turf is put back on.

iii. Any drains should be bunded through as part of the cell construction

b. Cut over/drained bog with occasional scrub stumps. 22ha 20x20m Bunded Cells.

The ditch forming the eastern boundary of this compartment has already been blocked as part of works on the adjacent land.

Framework 2.4.2

i. Construction of the bunded cells is as described in the Framework documentation.

ii. Please note that the core of the bunds should be about 100mm above ground level before turf is put back on.

iii. Any drains should be bunded through as part of the cell construction

c. Otter Dike. 32 Plastic core dams. 650m 1.5 x1.5 drain shallowing. 4ha 20x10m bunded cells within mature pine area.

Framework. Out of scope, 2.3.2, 2.6.5

i. Plastic core dams. 12m long by 2m wide. Core to be 3.5m deep by 1m wide plastic pile, constructed in a box format with cross pile every fourth section. Box to be filled and rammed with peat. Central 2m to be 250mm lower than wings to channel water flow. Good undecomposed peat to be mounded up either side

ii. Stream/drain to be shallowed to around 3m wide by 0.5m deep.

iii. 4ha of 20x10m bunded cells

iv. Please note that the core of the bunds should be about 100mm above ground level before turf is put back on.

v. Because of cracking, trenches will have to go down at least 1.5 metres to

check for cracks.

vi. Any drains should be bunded through as part of the cell construction

d. Cut over/drained bog with scrub stumps. 4ha 20x10m Bunded Cells.

Framework 2.3.2

i. Construction of the bunded cells is as described in the Framework documentation.

ii. Please note that the core of the bunds should be about 100mm above ground level before turf is put back on.

iii. Because of cracking, trenches will have to go down at least 1.5 metres to check for cracks.

iv. Any drains should be bunded through as part of the cell construction

e. Intact but drained bog with scrub stumps. Flat. 13ha 40x40m Bunded Cells.

Framework 2.3.5

i. Construction of the bunded cells is as described in the Framework documentation.

ii. Please note that the core of the bunds should be about 100mm above ground level before turf is put back on.

iii. Any drains should be bunded through as part of the cell construction

f. Intact bog but with scrub stumps and flailings. 17.5ha 20x10m and 17.5 ha 20x20 Bunded Cells.

The ditch forming the eastern boundary of this compartment has already been blocked as part of works on the adjacent land.

Framework 2.3.2, 2.3.3

i. Construction of the bunded cells is as described in the Framework documentation.

ii. Please note that the core of the bunds should be about 100mm above ground level before turf is put back on.

iii. Any drains should be bunded through as part of the cell construction

g. Intact but drained and cracked bog edge with scrub stumps. 2ha 20x10m Bunded Cells.

Framework 2.3.2

i. Construction of the bunded cells is as described in the Framework documentation.

ii. Please note that the core of the bunds should be about 100mm above ground level before turf is put back on.

iii. Because of cracking, trenches will have to go down at least 1.5 metres to check for cracks.

iv. Any drains should be bunded through as part of the cell construction

h. Slumped bog drained and cracked with scrub stumps. 2ha 20x20m Bunded Cells.

Framework 2.4.2

i. Construction of the bunded cells is as described in the Framework documentation.

ii. Please note that the core of the bunds should be about 100mm above ground level before turf is put back on.

iii. Any drains should be bunded through as part of the cell construction

i. Cut peat face with stumps and flailings. 1-2m high. 950m Re-profile

Framework 2.2.7

i. Tender is per ha Face re-profiling is required with a 100mm bund on the top and a 250mm bund at the base (above ground level before turf added). Cut off bunds at 20m intervals are also required in order to prevent sideways movement of water. The cut face works will be integrated into the bunded cells on the intact peat and the degraded peat area below.

ii. Turf to be stretched over the bare surface where possible. Construction of the bunds is as described in the Framework documentation.

j. Intact but drained and cracked bog edge with scrub stumps. 2ha 20x10m Bunded Cells.

Framework 2.3.2

i. Construction of the bunded cells is as described in the Framework documentation.

ii. Please note that the core of the bunds should be about 100mm above ground level before turf is put back on.

iii. Because of cracking, trenches will have to go down at least 1.5 metres to check for cracks.

iv. Any drains should be bunded through as part of the cell construction

k. Gravel Track Maintenance and Re-instatement. 450m

Framework 2.7.7/2.7.8

The access track via the NNR Base is gravel. Toward the bog, it is gravel on a peat base. The use of low ground pressure equipment is required at all times to minimise damage. Maintenance will be required during operations (as the track is used by the NNR Team) and reinstatement afterwards.

i. Photos to be taken prior to work starting

ii. General maintenance to be carried out during works to ensure NNR staff can use the track with minimal inconvenience.

iii. Track to be reinstated using clean, neutral/acidic material. This is to be local quarry waste.

iv. Any damage to culverts, fences, gates to be made good.

v. Work must be to Natural England's Project Officer's satisfaction and will be based on the pre-works photos

l. Plastic piling sticking out of the ground

Approx. 200 dams

Where plastic pile sticks out of the ground, we would ask you to press it to ground level.

1.1.6 Work force information

a. As part of the overall LIFE Project, Natural England are looking to value the economic impact of the project to the local and wider economy. You will need to provide to Natural England on a monthly basis (within the first week of the following month) the following information (all information will be confidential):

b. Man hours spent on the contract. To include on-site and back-office operatives

c. Approximate wage bill

d. Number of accommodation nights, including cost/person/night

e. Postcode of each operative (first part only e.g. CA11)

1.1.7 Health and Safety at Work

a. Generic Risk Assessment

A generic Roudsea Wood and Mosses Site Risk Assessment Annex 4 has been provided to highlight Risks that contractors need to be aware of and have Risk Assessment and Method Statements to cover.

b. First Aid

The Contractor will be responsible for the health, safety and welfare of the contract workforce, and a practising first aider with current certification will be present at all times. The Contractor will provide all appropriate first-aid equipment.

c. Lone Working

Because of the remote location of the site, there will be no lone working at any time.

d. Certification

All work is to be conducted in accordance to codes of practice and operators must hold appropriate and current training certification for any machinery or equipment they use. Copies of all current personnel certification must be presented to the Natural England Project Officer, for retention, one week prior to work commencing.

e. Risk Assessment

The Contractor shall carry out a comprehensive Risk Assessment for all aspects of the project and present a copy to the Natural England Project Officer one week prior to work commencing. This should be signed as having been read and understood by all those who will be working on the site.

f. Accident Reporting

The Contractor will be responsible for immediately reporting any accidents involving either their personnel or the public to the Natural England Project Officer. All incidents involving the public, however minor, are reportable under RIDDOR.

g. Smoking

SMOKING IS STRICTLY PROHIBITED FOR ALL PERSONNEL. There is an extreme fire hazard on the raised mire at all times.

1.1.8 Timescale and operations

a. This contract can start before a scrub and rhododendron clearance contract has been undertaken, which will start in October 2018. The tree and rhododendron work should be completed by the end of November 2018.

b. This rewetting contract should be completed and invoiced by 31st December 2018.

(1.2) Commencement Date: 20th September 2018

(1.4) Completion Date: 31st December 2018

2. PERFORMANCE OF THE SERVICES AND DELIVERABLES

Methodology Provided by: Conservefor Limited

E01 Methodology

Supplier's methodology removed.

E02 Work Force

Supplier's work force detail removed.

E03 Health and Safety

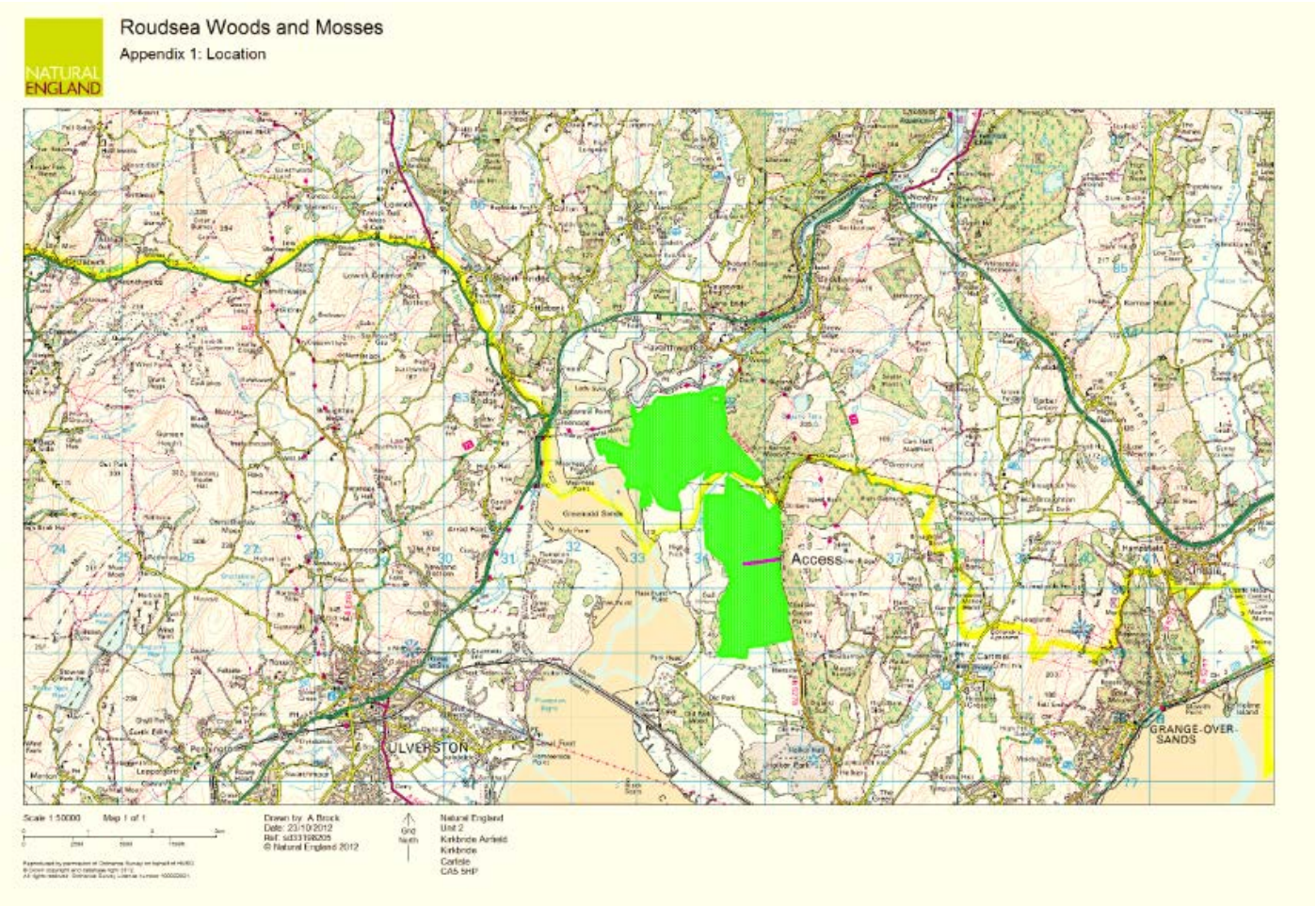
Supplier's Health and Safety details removed.

3. PRICE AND PAYMENTS
(3.1) Contract Total Fixed Price £165,453.75 (GBP) payable by the Authority excluding VAT, payable on completion of each section of the order of work, which is to be confirmed with Natural England's Project Officer. *Supplier's pricing schedule removed.*
(3.2) Invoicing and Payment The Contractor shall issue invoices on completion of each section of the order of work, which is to be confirmed with Natural England's Project Officer. The Supplier shall submit the invoice to the Authority at the following addresses: Accounts-Payable.neg@sscl.se.gov.uk or Shared Services Connected Limited, Natural England, PO Box 793, Newport, Gwent, NP10 8FZ. The invoice should clearly state the purchase order number.

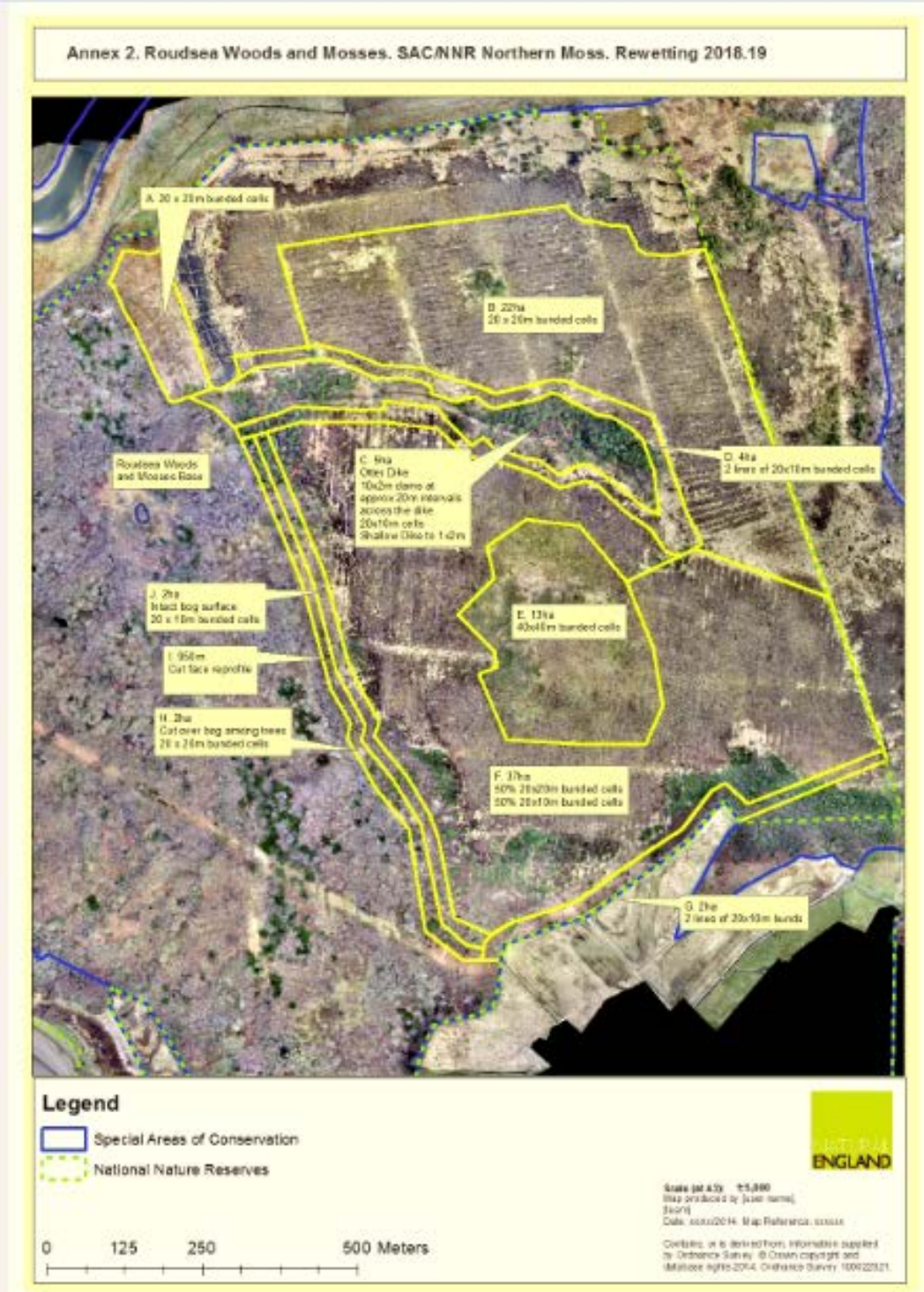
AGREEMENT BY ELECTRONIC SIGNATURE

Acceptance of the award of this contract will be made by electronic signature carried out in accordance with the 1999 EU Directive 99/93 (Community framework for electronic signatures) and the UK Electronic Communications Act 2000. Acceptance of the offer comprised in this Agreement must be made within [7] days from the date of this Award Letter and the Agreement is formed on the date on which the Contractor communicates acceptance on the Customer's electronic contract management system ("Bravo"). No other form of acknowledgement will be accepted. Please remember to quote the reference number above in any future communications relating to this contract.

ANNEX 1 – ROUDSEA WOODS AND MOSSES LOCATION



ANNEX 2 – REWETTING WORK MAP



ANNEX 3 – ROUDSEA WOODS AND MOSSES PROPOSED TREE WORKS.

ANNEX 4 – GENERIC ROUDSEA WOODS AND MOSSES RISK ASSESSMENT

Risk Assessment Record (Health & Safety)

Team:	North NNR – South Cumbria NNRs	**Assessment Date:**	13 August 2018
Assessment of: (e.g. activity, location, person)	Roudsea Wood and Mosses NNR Site Risk Assessment	**Review Date:**	12 August 2019

What are the hazards?	Who might be harmed and how?	Risk level before risk controls			What precautions are you already taking?	Risk level after risk controls			Further action is necessary	Taking Action		
		L	C	R		L	C	R		When	Who	Done
Ticks	Being bitten Lyme Disease	3	5	15	Wear long trousers and long sleeves Check clothing and body after visiting site Be aware of symptoms of Lyme Disease Consult GP if bitten	1	5	5	Review annually	August 2018		
Uneven terrain/tall vegetation	Tripping Falling	3	3	9	Wear appropriate footwear Cross uneven ground with stick	1	3	3	Review annually	August 2018		

What are the hazards?	Who might be harmed and how?	Risk level before risk controls			What precautions are you already taking?	Risk level after risk controls			Further action is necessary	Taking Action		
		L	C	R		L	C	R		When	Who	Done
Deep water	Tripping Falling Drowning	2	5	10	Be aware of the location of these Cross uneven ground with stick Operate lone working protocol	1	5	5	Review annually	August 2018		
Isolated location	Delayed response in event of incident	2	5	10	Operate agreed lone working protocol Operate Emergency Procedures protocol Use mobile phone if coverage exists Develop familiarity with site Identify rendezvous and access points for emergency services Carry personal first aid kit	1	5	5	Review annually	August 2018		
Operational risks of management work	Accidents to self and others	2	5	10	All to operate agreed specific risk assessments for all operational work All operators to be certified where required	1	5	5	Review annually	August 2018		
Overhead power lines	Electrocution	3	5	15	Be aware of height restrictions if working below power lines. Be aware of risk and advise contractors	1	5	5	Review annually			
Zoonosis: Lyme disease	Infection, bites, stings	4	5	20	Wear PPE, be aware, seek prompt medical advice, stay on main tracks	1	5	5	Review annually			
Adders	Anyone by being bitten by adders	3	4	12	Be aware, wear long trousers, PPE, seek medical advice, keep safe distance	1	4	4	Review annually			