### Laboratory Information

**Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:** Scrapie  

**Address of laboratory:** 3851 Fallowfield Road, Ottawa, Ontario, K2J 4S1, CANADA  

**Tel:** +1-343 212 02 72  

**E-mail address:** gordon.mitchell@inspection.gc.ca  

**Website:** www.inspection.gc.ca  

**Name (including Title) of Head of Laboratory (Responsible Official):** Dr. Abed Harchaoui, Executive Director, Ontario Laboratories Network, Canadian Food Inspection Agency  

**Name (including Title and Position) of WOAH Reference Expert:** Dr. Gordon Mitchell, Head, National and WOAH Reference Laboratory for Scrapie and CWD  

**Which of the following defines your laboratory? Check all that apply:** Governmental

### TOR1: Diagnostic Methods

1. Did your laboratory perform diagnostic tests for the specified disease/topic for purposes such as disease diagnosis, screening of animals for export, surveillance, etc.? (Not for quality control, proficiency testing or staff training)

<table>
<thead>
<tr>
<th>Diagnostic Test</th>
<th>Indicated in WOAH Manual (Yes/No)</th>
<th>Total number of test performed last year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Indirect diagnostic tests</strong></td>
<td></td>
<td>Nationally</td>
<td>Internationally</td>
</tr>
<tr>
<td>PrP ELISA</td>
<td>Yes</td>
<td>2825</td>
<td>0</td>
</tr>
<tr>
<td>PrP Immunohistochemistry</td>
<td></td>
<td>28</td>
<td>0</td>
</tr>
<tr>
<td>PrP Western Blot</td>
<td></td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>PRNP Genotyping</td>
<td></td>
<td>804</td>
<td>0</td>
</tr>
</tbody>
</table>

### TOR2: Reference Material

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by WOAH?

No  

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOAH Members?

Yes

<table>
<thead>
<tr>
<th>TYPE OF REAGENT AVAILABLE</th>
<th>RELATED DIAGNOSTIC TEST</th>
<th>PRODUCED/ PROVIDE</th>
<th>AMOUNT SUPPLIED NATIONALLY (ML, MG)</th>
<th>AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)</th>
<th>NO. OF RECIPIENT WOAH MEMBER COUNTRIES</th>
<th>COUNTRY OF RECIPIENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tissue Homogenates</td>
<td>PrP ELISA/ PRNP Genotype</td>
<td>Provide</td>
<td>Multiple</td>
<td>None</td>
<td>1</td>
<td>CANADA,</td>
</tr>
</tbody>
</table>

4. Did your laboratory produce vaccines?
No

5. Did your laboratory supply vaccines to WOAH Members?
No

**TOR3: NEW PROCEDURES**

6. Did your laboratory develop new diagnostic methods for the designated pathogen or disease?
No

7. Did your laboratory validate diagnostic methods according to WOAH Standards for the designated pathogen or disease?
No

8. Did your laboratory develop new vaccines for the designated pathogen or disease?
No

9. Did your laboratory validate vaccines according to WOAH Standards for the designated pathogen or disease?
No

**TOR4: DIAGNOSTIC TESTING FACILITIES**

10. Did your laboratory carry out diagnostic testing for other WOAH Members?
No

11. Did your laboratory provide expert advice in technical consultancies on the request of a WOAH Member?
Yes

<table>
<thead>
<tr>
<th>NAME OF THE WOAH MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY</th>
<th>PURPOSE</th>
<th>HOW THE ADVICE WAS PROVIDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRAZIL</td>
<td>TSE diagnostic testing</td>
<td>Email</td>
</tr>
</tbody>
</table>

**TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES**

12. Did your laboratory participate in international scientific studies in collaboration with WOAH Members other than the own?
Yes

<table>
<thead>
<tr>
<th>Title of the study</th>
<th>Duration</th>
<th>PURPOSE OF THE STUDY</th>
<th>PARTNERS (INSTITUTIONS)</th>
<th>WOAH MEMBER COUNTRIES INVOLVED OTHER THAN YOUR COUNTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genetic approaches and tools to prevent, control, and eradicate TSEs</td>
<td>Ongoing</td>
<td>Developing genetic and diagnostic tools to manage scrapie</td>
<td>Washington State University, USDA</td>
<td>UNITED STATES OF AMERICA</td>
</tr>
</tbody>
</table>

13. In exercising your activities, have you identified any regulatory research needs* relevant for WOAH?
No

**TOR6: EPIZOOLOGICAL DATA**

14. Did your Laboratory collect epidemiological data relevant to international disease control?
Yes

**IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:**

Data resulting from all surveillance and disease investigation-associated diagnostic testing is collected.

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?
Yes

**IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:**

Case data from all disease positive herds or regions is collated and communicated to regulatory agencies.

16. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category and list the details in the
a) Articles published in peer-reviewed journals:


b) International conferences:


c) National conferences:


Information on Scrapie in Canada: https://inspection.canada.ca/en/animal-health/terrestrial-animals/diseases/reportable/scrapie

**TOR7: SCIENTIFIC AND TECHNICAL TRAINING**

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAH Members?

No

**TOR8: QUALITY ASSURANCE**

18. Does your laboratory have a Quality Management System?

Yes

<table>
<thead>
<tr>
<th>Quality management system adopted</th>
<th>Certificate scan (PDF, JPG, PNG format)</th>
<th>Accreditation body</th>
</tr>
</thead>
</table>

19. Is your quality management system accredited?

Yes

<table>
<thead>
<tr>
<th>Test for which your laboratory is accredited</th>
<th>Accreditation body</th>
</tr>
</thead>
<tbody>
<tr>
<td>P/P Immunohistochemistry</td>
<td>Standards Council of Canada (SCC)</td>
</tr>
<tr>
<td>P/P ELISA</td>
<td>SCC</td>
</tr>
<tr>
<td>P/P Western blot</td>
<td>SCC</td>
</tr>
<tr>
<td>PRNP Genotyping</td>
<td>SCC</td>
</tr>
</tbody>
</table>

20. Does your laboratory maintain a “biorisk management system” for the pathogen and the disease concerned?

Yes

The Ottawa Laboratory Fallowfield, Canadian Food Inspection Agency, has a dedicated Biosafety Officer who manages the biosafety, biocontainment, biosecurity, and health and safety portfolios for the laboratory. The OLF holds valid Human Pathogens and Toxins Act (HPTA) licences, administered by the Public Health Agency of Canada, for all of the facilities where work with regulated materials is performed. As a condition of the licences, OLF must ensure compliance with the Canadian Biosafety Standard, which details the physical and operational requirements for Containment Level 2 and 3 laboratories, including Prion facilities. As well, many of the activities at OLF are further regulated by the CFIA’s Office of Biohazard Containment and Safety. In order to demonstrate compliance to both these regulatory bodies, the Biosafety Officer regularly submits performance and verification testing results for the recertification of the containment facilities, and participates in on-site inspections by the
federal biosafety regulators.

**TOR9: SCIENTIFIC MEETINGS**

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOAH?
   No
22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAH?
   No

**TOR10: NETWORK WITH WOAH REFERENCE LABORATORIES**

23. Did your laboratory exchange information with other WOAH Reference Laboratories designated for the same pathogen or disease?
   Yes
24. Do you network (collaborate or share information) with other WOAH Reference Laboratories designated for the same pathogen?
   No
25. Did you organise or participate in inter-laboratory proficiency tests with WOAH Reference Laboratories designated for the same pathogen?
   No
26. Did your laboratory collaborate with other WOAH Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?
   No

**TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING**

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOAH Reference Laboratories for the same pathogen?
   Yes

<table>
<thead>
<tr>
<th>Purpose for inter-laboratory test comparisons</th>
<th>Role of your reference laboratory (organizer/participant)</th>
<th>No. participating laboratories</th>
<th>Name of the Test</th>
<th>WOAH Member Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>PrP Immunohistochemistry proficiency testing</td>
<td>Organizer</td>
<td>2</td>
<td>PrP Immunohistochemistry</td>
<td>CANADA, UNITED STATES OF AMERICA,</td>
</tr>
<tr>
<td>PrP ELISA proficiency testing</td>
<td>Organizer</td>
<td>6</td>
<td>PrP ELISA proficiency</td>
<td>CANADA,</td>
</tr>
<tr>
<td>PRNP Genotyping proficiency testing</td>
<td>Organizer</td>
<td>3</td>
<td>PRNP Genotyping</td>
<td>CANADA, UNITED STATES OF AMERICA,</td>
</tr>
</tbody>
</table>

**TOR12: EXPERT CONSULTANTS**

28. Did your laboratory place expert consultants at the disposal of WOAH?
   No
29. Additional comments regarding your report:
   No