Decontamination Protocols – General Precautions

Apply the following basic precautionary measures to control invasive species. These include:

- Avoid in-water work where possible.
- Choose equipment that is easily inspected and cleaned.
- Regularly inspect and clean field gear while working.
- Use dedicated equipment for a watershed or waterbody.
- Progress from the least to the most likely contaminated areas within a waterbody.
- Keep work areas clear of plants, sediment, or organisms.
- Clean gear at sampling locations before transporting.
- Conduct a Level 1 decontamination whenever you leave the water.
- Conduct a Level 2 decontamination between different water bodies, or as otherwise required.

Level 1 Decontamination Protocol

The basic steps in decontamination for all types of gear and equipment used in aquatic situations are Clean, Drain, and Rinse.

- **Clean** off any attached sediment, organisms or debris from surface areas that were in contact with the water body.
- **Drain** any raw water used to clean the equipment back into the water body from which it came.
- **Rinse** all surface areas with potable water.

The basic Level 1 cleaning equipment is a sturdy bristle brush, boot pick, and clean rinse water. If a Level 1 protocol cannot be done in the field, gear must be placed in a plastic bag or tote for transportation to a proper decontamination facility.

Level 2 Decontamination Protocol

The table below provides the minimum criteria for conducting a Level 2 decontamination and requires use of safety equipment.

<table>
<thead>
<tr>
<th>Option</th>
<th>Solution/ Temp</th>
<th>Contact Time</th>
<th>Capture Rinse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virkon Aquatic®</td>
<td>1% *</td>
<td>10 min</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>2%**</td>
<td>20 min</td>
<td></td>
</tr>
<tr>
<td>Hot Water</td>
<td>140°F/60°C+</td>
<td>15 sec</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>140°F/60°C++</td>
<td>5 min</td>
<td></td>
</tr>
<tr>
<td></td>
<td>120°F/49°C++</td>
<td>30 min</td>
<td></td>
</tr>
<tr>
<td>Freezing</td>
<td>14°F/-10°C</td>
<td>8 hours</td>
<td>N/A</td>
</tr>
<tr>
<td>Formula 409®</td>
<td>100%</td>
<td>10 min</td>
<td>Yes</td>
</tr>
<tr>
<td>(antibacterial)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* 1% and 10 min for microorganisms  
**2% and 20 min for larger organisms  
++ Porous materials

Report any aquatic invasive species detections to:

1-888-933-9247 or wdfw.wa.gov/ais/reporting/

Decontamination information and protocols are available online at:

wdfw.wa.gov/ais

V. 9/23/13