General Permit Details

Initially issued in 2017
Expires July 2022
Modeled after WSDOT Permit
WSDOT & Gov’t Agencies

Inspect
Maintain
Structural Integrity & Safety
Build Up

- Dirt &
- Debris
- Guano
Inspection Concerns

- 2013 Skagit River Bridge Collapse
- Hidden Deterioration
- Clean Bridge for Inspection
Inspection Concerns

- 2013 Skagit River Bridge Collapse
- Hidden Deterioration
- Clean Bridge for Inspection
**WSDOT:**
- 257 Bridges
- 19 Ferry terminals

**Local Government:**
- 71 Bridges
Summary of GP Requirements

1. Maintenance Washing (Yearly or Longer)
   • Low Pressure Washing
   • Seasonally High Stream Flow Periods (Fall - Spring)

2. Preparatory Washing – Pre Painting (15-Year or Longer)
   • High Pressure Washing
   • High Stream Flow only
   • Full Containment - No Discharge

3. Painting – No Discharge, Spill Control.
Maintenance Washing

Dry Cleaning Methods:

- Scraping, Sweeping, Vacuuming

Grease Removal:

- Degreaser on absorbent material
Flushing:

- Low pressure
- No detergents
Maintenance Washing & Spot Cleaning
Maintenance Washing & Spot Cleaning

Flush / Washing

- Low pressure
- No detergents
## Wastewater Effluent Characterization

### Maintenance

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mean (range) - Dissolved</th>
<th>Mean (range) - Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper (µg/L)</td>
<td>9.2 (0 - 119)</td>
<td>109 (2 - 960)</td>
</tr>
<tr>
<td>Lead (µg/L)</td>
<td>35 (0 - 600)</td>
<td>1705 (7.2 – 14,000)</td>
</tr>
<tr>
<td>Zinc (µg/L)</td>
<td>305 (0 – 2300)</td>
<td>2728 (7.7 – 43,000)</td>
</tr>
</tbody>
</table>

### Preparatory (pre-painting)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mean (range) - Dissolved</th>
<th>Mean (range) - Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper (µg/L)</td>
<td>40.5 (16 - 178)</td>
<td>411 (45 - 2,050)</td>
</tr>
<tr>
<td>Lead (µg/L)</td>
<td>410.7 (48.8 - 1,670)</td>
<td>23,659 (1,220 - 96,100)</td>
</tr>
<tr>
<td>Zinc (µg/L)</td>
<td>1826.8 (166 - 4,610)</td>
<td>8,506 (1,650 - 31,592)</td>
</tr>
</tbody>
</table>
Maintenance & Spot Cleaning Discharges

Discharge to River

River Flows
- ≥ 231 cfs (WWA) or ≥ 144 cfs (EWA)
  - Seasonal Windows
    - 11/1 to 5/31 (WWA)
    - 12/1 to 6/30 (EWA)
  - BMPs
- < 231 cfs (WWA) or < 144 cfs (EWA)
  - Seasonal Windows
    - 6/1 to 10/31 (WWA)
    - 7/1 to 11/30 (EWA)
  - BMPs

Discharge to Marine

- No Surface Water Discharge Permitted*
  - BMPs including avoiding slack tide
Preparatory Washing Discharges

- **Maximum Tidal Flows**: 1-hour after high or low slack tide → 1-hour prior to next high or low slack tide
Monitoring

Discharge Monitoring for WSDOT:

• Metals (Pb, Zn, Cu)
• Discharge Volume & Duration
• Greater of 5 or 10% of Bridges

Reporting:

• Annual Report
• Washwater Characterization Report
Major Changes to General Permit

1. Coverage Option for Multiple Structures (Local Governments)

2. Reducing Stream Flow Thresholds (Seasonal Windows Apply)