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## **APPENDIX R**

# **NPDES INDUSTRIAL STORM WATER INVESTIGATION AND CASE DEVELOPMENT WORKSHEET (CONSTRUCTION)**

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**NPDES Industrial Storm Water  
Worksheet (Construction)**

| National Database Information         |                           |             |               | General        |  |
|---------------------------------------|---------------------------|-------------|---------------|----------------|--|
| Inspection Type                       |                           |             |               | Inspector Name |  |
| NPDES ID Number                       |                           |             |               | Telephone      |  |
| Inspection Date                       |                           |             |               | Entry Time     |  |
| Inspector Type<br><i>(circle one)</i> | EPA                       | State       | EPA Oversight | Exit Time      |  |
| Facility Type<br><i>(circle one)</i>  | Commercial/<br>Industrial | Residential | Municipal     | Signature      |  |

| Facility Location Information     |          |            |           |           |  |
|-----------------------------------|----------|------------|-----------|-----------|--|
| Name/Location/<br>Mailing Address |          |            |           |           |  |
| GPS Coordinates                   | Latitude |            | Longitude |           |  |
| Receiving Water(s)                |          |            |           |           |  |
| Disturbed Area                    |          | Start Date |           | Stop Date |  |

| Contact Information   |         |           |
|---|---------|-----------|
|   | Name(s) | Telephone |
| Name(s) and Role(s) of All Parties Meeting the Definition of Operator |         |           |
| Facility Contact  |         |           |
| Authorized Official(s)  |         |           |

| Site Information: <i>(circle all that apply)</i> |                       |                           |                |                 |               |                     |       |
|--|-----------------------|---------------------------|----------------|-----------------|---------------|---------------------|-------|
| Nature of Project                                | Residential           | Commercial/<br>Industrial | Roadway        | Private         | Federal       | State/<br>Municipal | Other |
| Construction Stage                               | Clearing/<br>Grubbing | Rough Grading             | Infrastructure | Building Const. | Final Grading | Final Stabilization |       |

**NPDES Industrial Storm Water  
Worksheet (Construction)**

| <u>Basic Permit Information</u>   |         |            | <u>Basic SWPPP Information</u>                                   |   |   |
|---|---------|------------|--|---|---|
| Permit Coverage<br><i>ESO Element 3 &amp; 4</i>   | Y       | N          | SWPPP Prepared & Available<br><i>ESO Element 5 &amp; 30</i>      | Y | N |
| Permit Type   | General | Individual | SWPPP Contents Satisfactory<br><i>ESO Elements 5 - 31</i>        | Y | N |
| Permit notice/sign visibly posted including: copy of NOI, contact name & phone number, location of SWPPP<br><i>ESO Element 41</i> | Y       | N          | SWPPP Implementation Satisfactory<br><i>ESO Elements 32 - 48</i> | Y | N |
| NOI Date  |         |            | SWPPP Date   |   |   |
| If applicable, is waiver certification & approval on file?  | Y       | N          | <i>Intentionally left blank</i>                                  |   |   |

**SWPPP Review** *(can be completed in office)*

| <u>General</u>   |   |   | <u>Notes:</u> |
|--|---|---|---------------|
| Is there a SWPPP?<br><i>ESO Element 5</i>  | Y | N |               |
| SWPPP completed prior to NOI submission?<br><i>ESO Element 6</i>   | Y | N |               |
| Copy of permit language?<br><i>ESO Element 25</i>  | Y | N |               |
| Is SWPPP consistent with state/tribal/local regulations and permits?<br><i>ESO Element 26</i>  | Y | N |               |
| SWPPP updated to incorporate changes to State, Tribal, Local erosion plans?<br><i>ESO Element 27</i>   | Y | N |               |
| Have copies of inspection reports/all other documentation been retained as part of the SWPPP for 3 years from date permit coverage expires?<br><i>ESO Element 28</i> | Y | N |               |
| Is a copy of the SWPPP on site or made available?<br><i>ESO Element 30</i>   | Y | N |               |
| Did all "operators" sign/certify the SWPPP?<br><i>ESO Element 31</i>   | Y | N |               |

(Construction)

### NPDES Industrial Storm Water Worksheet (Construction)

| <u>Site Description</u>  | <u>Notes:</u> |   |   |
|--|---------------|---|---|
| SWPPP identifies potential sources of pollution? <i>ESO Element 7</i>                                  | Y             | N |   |
| SWPPP identifies all operators and their areas of control? <i>ESO Element 8</i>                        | Y             | N |   |
| Is there a site description?<br><i>ESO Element 9</i>   | Y             | N |   |
| Nature/sequence of construction activity?<br><i>ESO Element 9A - 9B</i>                                | Y             | N |   |
| Total area of site and total area to be disturbed?<br><i>ESO Element 9C</i>                            | Y             | N |   |
| Is there a general location map?<br><i>ESO Element 9D</i>  | Y             | N |   |
| Is there a site map?<br><i>ESO Element 9E</i>  | Y             | N |   |
| Drainage patterns/outfalls on site map?<br><i>ESO Element 9F</i>                                       | Y             | N |   |
| Area of soil disturbance on site map?<br><i>ESO Element 9F</i>   | Y             | N |   |
| Location of major structural controls on site map?<br><i>ESO Element 9F</i>                            | Y             | N |   |
| Location of storm water discharges to a surface water on site map?<br><i>ESO Element 9F</i>            | Y             | N |   |
| Location of materials or equipment storage on site map (on-site or off-site)?<br><i>ESO Element 9F</i> | Y             | N |   |
| Location/description industrial activities?<br><i>ESO Element 9G</i>                                   | Y             | N |   |
| Name of Receiving water(s) or MS4 listed?  | Y             | N | <i>Note: Indicate whether receiving water is 303(d) listed.</i> |

(Construction)

### NPDES Industrial Storm Water Worksheet (Construction)

| <u>Site Description</u>   |   |   | Notes: |
|---|---|---|--------|
| Does the SWPPP include dates of major grading activities, temporary/permanent construction cessation, and initiation of stabilization practices?<br><i>ESO Element 14</i> | Y | N |        |
| Endangered Species Documentation?<br><i>ESO Element 23</i>  | Y | N |        |

| <u>Controls to Reduce Pollutants</u>  |   |   | Notes: |
|---|---|---|--------|
| Does the SWPPP include a description of all pollution control measures (BMPs) that will be implemented to control pollutants in storm water discharges, including sequence and which operator responsible for implementation? <i>ESO Element 10 A - C</i> | Y | N |        |
| Does the SWPPP include a description of interim and permanent <i>stabilization practices</i> (e.g., seeding, mulching, riprap for the site)?<br><i>ESO Element 11; 12</i>   | Y | N |        |
| Does the SWPPP identify the contractor(s) and timing by which <i>stabilization practices</i> will be implemented?<br><i>ESO Element 13</i>  | Y | N |        |
| Does the SWPPP include a description of <i>structural practices</i> (e.g., vehicle track-out, silt fences, sediment traps, storm drain inlet protection) for the site?<br><i>ESO Element 15</i>   | Y | N |        |
| Does the SWPPP identify the contractor(s) and timing by which <i>structural practices</i> will be implemented?<br><i>ESO Element 10B - 10C</i>  | Y | N |        |
| Does the SWPPP identify storm water management measures to address storm water runoff once the construction is completed (e.g., retention ponds, velocity dissipation controls)?<br><i>ESO Element 16</i>   | Y | N |        |

(Construction)

### NPDES Industrial Storm Water Worksheet (Construction)

| <b>Controls to Reduce Pollutants</b>   |   |   | <b>Notes:</b> |
|--|---|---|---------------|
| Does SWPPP describe measures to prevent discharge of dredge/fill materials to waters of the U.S.? Does site have 404 permit? <i>ESO Element 17</i> | Y | N |               |
| Does SWPPP describe measures to minimize off-site vehicle tracking and generation of dust? <i>ESO Element 18</i>                                   | Y | N |               |
| Does SWPPP describe controls for pollutants from storage of construction or waste materials? <i>ESO Element 19</i>                                 | Y | N |               |
| Does the SWPPP describe controls for pollutants from non-construction activities? <i>ESO Element 20</i>  | Y | N |               |
| Does SWPPP identify allowable non-storm water discharges? <i>ESO Element 21</i>  | Y | N |               |
| Does SWPPP ensure implementation of pollution prevention measures for non-storm water discharges? <i>ESO Element 22</i>                            | Y | N |               |
| Is SWPPP revised when BMPs added/modified within 7 days after inspection reveals problems? <i>ESO Element 29</i>                                   | Y | N |               |

| <b>Inspections</b>  |   |   | <b>Notes:</b> |
|---|---|---|---------------|
| Inspections performed once every 7 days, or every 14 days within 24 hours of a rain event greater 0.5"? <i>ESO Element 32</i> | Y | N |               |
| Inspections performed by qualified personnel? <i>ESO Element 33</i>   | Y | N |               |
| All disturbed areas and/or used for storage and exposed to rain inspected? <i>ESO Element 34</i>                              | Y | N |               |
| All pollution control measures inspected to ensure proper operation? <i>ESO Element 35</i>                                    | Y | N |               |

**NPDES Industrial Storm Water  
Worksheet (Construction)**

| <b>Inspections</b>   |   | <b>Notes:</b> |  |
|--|---|---------------|--|
| All discharge locations inspected if accessible, or if not accessible, are nearby downstream locations inspected?<br><i>ESO Element 36; 37</i> | Y | N             |  |
| Entrance/exit inspected for off-site tracking?<br><i>ESO Element 38</i>  | Y | N             |  |
| Inspection report contain all required items and certified?<br><i>ESO Element 39; 40</i>   | Y | N             |  |

**Site Description:**



**NPDES Industrial Storm Water  
Worksheet (Construction)**

**SWPPP Implementation** *(complete in field)*

**Stabilization Practices**

**List and describe  
stabilization  
practices**  
*ESO Element 43, 48*

*(e.g., seeding, mulching, geotextiles, sod stabilization)*

**NPDES Industrial Storm Water  
Worksheet (Construction)**

**Stabilization Practices**

|  |  |
|--|--|
| <p><b>Are stabilization measures initiated no more than 14 days after temporary or permanent construction cessation?</b><br/><i>ESO Element 46</i></p> | <p><i>(e.g., indicate "yes" or "no"; if "yes", how long without stabilization measures?)</i></p> |
|--|--|

**NPDES Industrial Storm Water  
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| <b>Structural Practices</b>  |   |
|--|---|
| <p><b>List and describe structural controls</b><br/>ESO Element 42, 43, 47</p> | <p><i>(e.g., silt fences, hay bales, storm drain inlet protection, sedimentation pond, rip rap, check dam, diversion structure, off-site vehicle track-out)</i></p> |
| <b>Non-Structural Practices</b>  |   |
| <p><b>Street Cleaning</b><br/>ESO Element 44</p>                               | <p><i>(e.g., describe measures taken to remove offsite accumulation of sediment)</i></p>  |

**NPDES Industrial Storm Water  
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| <b>Non-Structural Practices</b>   |   |
|---|---|
| <p><b>Good Housekeeping<br/>&amp; Waste Disposal<br/>Practices</b><br/>ESO Element 45</p> | <p><i>(e.g., describe measures taken to prevent litter and debris from becoming a pollutant source)</i></p> |
| <p><b>Equipment Wash/<br/>Maintenance Area</b><br/>ESO Elements 43</p>                    | <p><i>(provide brief description)</i></p>   |
| <p><b>Concrete Washout<br/>Areas</b><br/>ESO Elements 43</p>                              | <p><i>(provide brief description)</i></p>   |

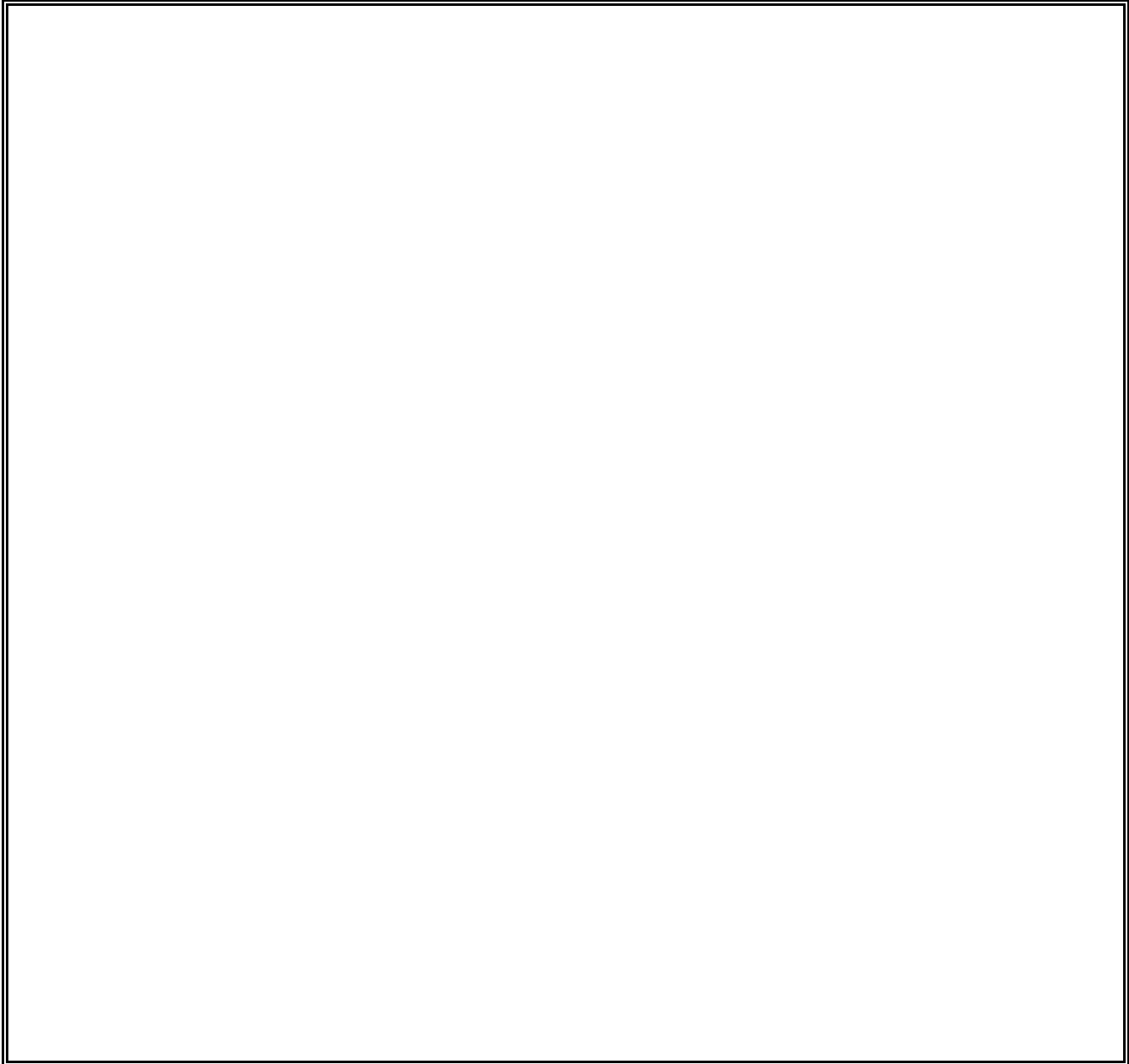
**NPDES Industrial Storm Water  
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| <b>Miscellaneous</b>  |   |
|---|---|
| <p><b>Evidence of Sediment Deposition to Surface Waters</b><br/>*ESO Eligibility - if "yes," site not eligible for ESO</p>  | <p><i>(e.g., significant turbidity observed in a receiving water body)</i></p>                          |
| <p><b>Pollution prevention measures for non-storm water discharges?</b><br/>*ESO Eligibility - If evidence of non-allowable non-storm water discharges, site not eligible for ESO</p> | <p><i>(provide brief description and determine whether/if non-storm water discharges allowable)</i></p> |
| <p><b>Has implementation of additional/modified BMPs been completed before next anticipated storm event?</b><br/>ESO Element 43.C.1</p>   | <p><i>(provide brief description)</i></p>   |

**NPDES Industrial Storm Water  
Worksheet (Construction)**

Notes on SWPPP Implementation

**NPDES Industrial Storm Water  
Worksheet (Construction)**



**Photograph Log**

|    |                                   |
|----|-----------------------------------|
| 1. | *Insert additional rows as needed |
|----|-----------------------------------|