

## APPENDIX 14 – IDDE Reporting Data and Format

*Permittees are required to submit the following information with the online annual report form, pursuant to Special Condition S9.A.*

This is the complete list of information that all Permittees are required to report for each IDDE incident found, reported to, or investigated by the Permittee. Each Permittee may use either their own system or the WQWebIDDE form for recording this data.

Permittees may begin using the form to report as soon as March 31, 2020. The form is *required* for reporting by March 31, 2021, unless you are using your own tracking system. If using your own tracking system, this information must be provided in an electronic format that follows the data schema provided at the end of this document and is easily transferred to a database. For the March 31, 2020 annual report, permittees are required to submit as much of this information as possible, and in a format that is as close to this as feasible. For the March 31, 2021 annual report, Ecology would prefer a zipped .xml file that follows the schema, but it is acceptable to submit an Excel spreadsheet, .csv, or tab-delimited (.txt) file that includes all of this information. For annual reports due on March 31, 2022 and beyond, a zipped .xml that follows the schema is required.

A complete report will include a separate entry (even if left blank) for every line below and must use the precise verbiage and spelling below. For all incidents where the answer to #6 is no, #7-12 are not required. All dates are in MM/DD/YYYY format.

1. Jurisdiction name and permit number
2. Date incident discovered or reported to you
3. Date of beginning your response
4. Date of end of your response
5. How was the incident discovered or reported to you? (*select **all** that apply*)
  - Pollution hotline (phone, web, app)
  - Direct report to your staff
  - Staff referral
  - Other agency referral
  - ERTS referral
  - Business inspection
  - Construction inspection
  - MS4 inspection or screening
  - Other (*Explanation required*)
6. Discharge to MS4? (*select **one***)
  - Yes – notified Ecology
  - Yes – notified DOH and Ecology

- Yes – did not notify
- Yes – allowable or conditionally allowable
- No – none found
- No – cleaned up before reached MS4
- No – discharge to Underground Injection Control (UIC) well
- Unknown
- Other (*Explanation required*)

**7. Incident Location**

- Address/Intersection
- City
- Zip (*optional*)

**And/Or**

- Latitude
- Longitude

**8. Pollutants Identified (*select **all** that apply*)**

- Unconfirmed, unspecified, or not identified
- Fuel and/or vehicle related fluids
- Food-related oil/grease
- Sediment/soil
- Solid waste/trash
- Sewage/septage/pet waste/human waste
- Other wastewater
- Paint
- Firefighting foam
- Soap or cleaning chemicals
- Other (*Explanation required*)

**9. Source or Cause (*select **all** that apply*)**

- Unconfirmed, unspecified, or not identified
- Vehicle-related business
- Food-related business
- Landscape-related business
- Mobile business
- Construction activity
- Other commercial/industrial activity
- Vehicle collision
- Other accident/spill
- Intentional dumping

- Illicit connection
- Other *(Explanation required)*

**10.** Source tracing approach(es) used *(select **all** that apply)*

- Not applicable
- Observation (color/sheen/turbidity/floatables/odor)
- Map analysis
- Dye, smoke, or pressure testing
- Field indicator measurements
- Analytical laboratory indicators
- Other *(Explanation required)*

**11.** Correction/elimination methods used *(select **all** that apply)*

- Clean-up
- Education/technical assistance
- Add or modify operational source control BMP
- Add or modify structural source control BMP
- Add or modify treatment BMP
- Enforcement
- Referred to other agency or department
- Other *(Explanation required)*

**12.** Field notes, explanations, and/or other comments

## IDDE XML Schema Document (IDDE.xsd)

```

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

  <xs:element name="IDDEEvents">

    <xs:complexType>

      <xs:sequence>

        <xs:element maxOccurs="unbounded" name="IDDEEvent "
type="IDDEEvent" />

      </xs:sequence>

    </xs:complexType>

  </xs:element>


  <xs:complexType name="IDDEEvent">

    <xs:annotation>

      <xs:documentation>One particular IDDE event</xs:documentation>

    </xs:annotation>

    <xs:all>

      <xs:element maxOccurs="1" minOccurs="0" name="Jurisdiction">

        <xs:annotation>

          <xs:documentation>Permit Number</xs:documentation>

          <xs:documentation>If omitted, all IDDEs will be imported to
a permit selected through the UI</xs:documentation>

        </xs:annotation>

        <xs:simpleType>

          <xs:restriction base="xs:string">

            <xs:maxLength value="9"/>

          </xs:restriction>

        </xs:simpleType>

      </xs:element>

    </xs:all>

  </xs:complexType>

</xs:schema>

```

```

    </xs:simpleType>

</xs:element>

<xs:element maxOccurs="1" minOccurs="0" name="IncidentId">

    <xs:annotation>

        <xs:documentation>Incident ID</xs:documentation>

        <xs:documentation>If omitted, WQWebIDDE can't identify IDDEs
to update and will simply insert all IDDEs as fresh
records</xs:documentation>

    </xs:annotation>

    <xs:simpleType>

        <xs:restriction base="xs:string">

            <xs:maxLength value="30"/>

        </xs:restriction>

    </xs:simpleType>

</xs:element>

<xs:element maxOccurs="1" minOccurs="0" name="DateReported"
type="SqlDate">

    <xs:annotation>

        <xs:documentation>Date incident reported</xs:documentation>

    </xs:annotation>

</xs:element>

<xs:element maxOccurs="1" minOccurs="0" name="DateResponseBegin"
type="SqlDate">

    <xs:annotation>

        <xs:documentation>Date incident response
began</xs:documentation>

    </xs:annotation>

</xs:element>

```

```

    <xs:element maxOccurs="1" minOccurs="0" name="DateResponseEnd"
type="SqlDate">

        <xs:annotation>

            <xs:documentation>Date incident response
ended</xs:documentation>

        </xs:annotation>

    </xs:element>

    <xs:element maxOccurs="1" minOccurs="0" name="Discoveredes"
type="Discovered">

        <xs:annotation>

            <xs:documentation>How was the incident
discovered?</xs:documentation>

        </xs:annotation>

    </xs:element>

    <xs:element maxOccurs="1" minOccurs="0" name="MS4Discharge"
type="Discharge">

        <xs:annotation>

            <xs:documentation>Did the incident discharge to the
MS4?</xs:documentation>

        </xs:annotation>

    </xs:element>

    <xs:element maxOccurs="1" minOccurs="0" name="Location"
type="Location">

        <xs:annotation>

            <xs:documentation>Location of the
incident</xs:documentation>

        </xs:annotation>

    </xs:element>

    <xs:element maxOccurs="1" minOccurs="0" name="Pollutants"
type="Pollutant">

```

```

    <xs:annotation>
      <xs:documentation>Pollutants identified</xs:documentation>
    </xs:annotation>
  </xs:element>

  <xs:element maxOccurs="1" minOccurs="0" name="Sources"
type="Source">
    <xs:annotation>
      <xs:documentation>Source or cause</xs:documentation>
    </xs:annotation>
  </xs:element>

  <xs:element maxOccurs="1" minOccurs="0" name="Traces"
type="Trace">
    <xs:annotation>
      <xs:documentation>Source Tracing</xs:documentation>
    </xs:annotation>
  </xs:element>

  <xs:element maxOccurs="1" minOccurs="0" name="Corrections"
type="Correction">
    <xs:annotation>
      <xs:documentation>Correction or elimination
methods</xs:documentation>
    </xs:annotation>
  </xs:element>

  <xs:element maxOccurs="1" minOccurs="0" name="Notes"
type="xs:string">
    <xs:annotation>
      <xs:documentation>Field notes, explanations, and/or other
comments</xs:documentation>
    </xs:annotation>

```

```

        </xs:element>

    </xs:all>

</xs:complexType>

<xs:simpleType name="SqlDate">

    <xs:annotation>

        <xs:documentation>xs:date limited to SQL Server's operating
range</xs:documentation>

    </xs:annotation>

    <xs:restriction base="xs:date">

        <xs:minInclusive value="1753-01-01" />

        <xs:maxInclusive value="9999-12-31" />

    </xs:restriction>

</xs:simpleType>

<xs:complexType name="Discharge">

    <xs:choice>

        <xs:element name="YesNotifiedECY"
type="YesNotifiedECYDischarge"/>

        <xs:element name="YesNotifiedDOH"
type="YesNotifiedDOHDischarge"/>

        <xs:element name="YesNoNotice" type="YesNoNoticeDischarge"/>

        <xs:element name="YesAllowable" type="YesAllowableDischarge"/>

        <xs:element name="NoNoneFound" type="NoNoneFoundDischarge"/>

        <xs:element name="NoCleanedUp" type="NoCleanedUpDischarge"/>

        <xs:element name="NoToUIC" type="NoToUICDischarge"/>

        <xs:element name="Unknown" type="UnknownDischarge"/>

        <xs:element name="Other" type="OtherDischarge"/>

    </xs:choice>

</xs:complexType>

```



```

<xs:complexType name="Discovered">
  <xs:sequence>
    <xs:element maxOccurs="unbounded" name="Discovered">
      <xs:complexType>
        <xs:sequence>
          <xs:element maxOccurs="1" minOccurs="0" name="Explain"
type="xs:string"/>
        </xs:sequence>
        <xs:attribute name="type" type="DiscoveredType"/>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="Location">
  <xs:all>
    <xs:element maxOccurs="1" minOccurs="0" name="Address"
type="AddressType" />
    <xs:element maxOccurs="1" minOccurs="0" name="LatLong"
type="LatLongType" />
  </xs:all>
</xs:complexType>

<xs:complexType name="Pollutant">
  <xs:sequence>
    <xs:element maxOccurs="unbounded" name="Pollutant">
      <xs:complexType>
        <xs:sequence>
          <xs:element maxOccurs="1" minOccurs="0" name="Explain"
type="xs:string"/>

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```

        </xs:sequence>

        <xs:attribute name="type" type="PollutantType"/>

    </xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

<xs:complexType name="Source">

    <xs:sequence>

        <xs:element maxOccurs="unbounded" name="Source">

            <xs:complexType>

                <xs:sequence>

                    <xs:element maxOccurs="1" minOccurs="0" name="Explain"
type="xs:string"/>

                </xs:sequence>

                <xs:attribute name="type" type="SourceType"/>

            </xs:complexType>

        </xs:element>

    </xs:sequence>

</xs:complexType>

<xs:complexType name="Trace">

    <xs:sequence>

        <xs:element maxOccurs="unbounded" name="Trace">

            <xs:complexType>

                <xs:sequence>

                    <xs:element maxOccurs="1" minOccurs="0" name="Explain"
type="xs:string"/>

                </xs:sequence>

            </xs:complexType>

        </xs:element>

    </xs:sequence>

</xs:complexType>

```

```

        <xs:attribute name="type" type="TraceType" />

    </xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

<xs:complexType name="Correction">

    <xs:sequence>

        <xs:element maxOccurs="unbounded" name="Correction">

            <xs:complexType>

                <xs:sequence>

                    <xs:element maxOccurs="1" minOccurs="0" name="Explain"
type="xs:string" />

                </xs:sequence>

                <xs:attribute name="type" type="CorrectionType" />

            </xs:complexType>

        </xs:element>

    </xs:sequence>

</xs:complexType>

<xs:complexType name="YesNotifiedECYDischarge">

    <xs:annotation>

        <xs:documentation>Discharge reached MS4, Notified
Ecology</xs:documentation>

    </xs:annotation>

</xs:complexType>

<xs:complexType name="YesNotifiedDOHDischarge">

    <xs:annotation>

        <xs:documentation>Discharge reached MS4, Notified Ecology and
Health</xs:documentation>

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```

    </xs:annotation>

</xs:complexType>

<xs:complexType name="YesNoNoticeDischarge">

    <xs:annotation>

        <xs:documentation>Discharge reached MS4, Did not notify
Ecology</xs:documentation>

    </xs:annotation>

</xs:complexType>

<xs:complexType name="YesAllowableDischarge">

    <xs:annotation>

        <xs:documentation>Discharge reached MS4, but it was
allowable</xs:documentation>

    </xs:annotation>

</xs:complexType>

<xs:complexType name="NoNoneFoundDischarge">

    <xs:annotation>

        <xs:documentation>No discharge found</xs:documentation>

    </xs:annotation>

</xs:complexType>

<xs:complexType name="NoCleanedUpDischarge">

    <xs:annotation>

        <xs:documentation>Discharge cleaned up and did not reach
MS4</xs:documentation>

    </xs:annotation>

</xs:complexType>

<xs:complexType name="NoToUICDischarge">

    <xs:annotation>

```

```

    <xs:documentation>Discharge to Underground Injection Control
(UIC) well</xs:documentation>

  </xs:annotation>

</xs:complexType>

<xs:complexType name="UnknownDischarge">

  <xs:annotation>

    <xs:documentation>Unknown if discharge reached
MS4</xs:documentation>

  </xs:annotation>

</xs:complexType>

<xs:complexType name="OtherDischarge">

  <xs:annotation>

    <xs:documentation>Something else happened, tell us
what</xs:documentation>

  </xs:annotation>

  <xs:sequence>

    <xs:element maxOccurs="1" minOccurs="0" name="Explain"
type="xs:string"/>

  </xs:sequence>

</xs:complexType>

<xs:simpleType name="DiscoveredType">

  <xs:annotation>

    <xs:documentation>Responses for How was this incident discovered
or reported to you?</xs:documentation>

  </xs:annotation>

  <xs:restriction base="xs:string">

    <xs:enumeration value="0">

      <xs:annotation>

```

```

        <xs:documentation>Pollution hotline (phone, web,
app)</xs:documentation>

    </xs:annotation>

</xs:enumeration>

<xs:enumeration value="1">

    <xs:annotation>

        <xs:documentation>Direct report to your
staff</xs:documentation>

    </xs:annotation>

</xs:enumeration>

<xs:enumeration value="2">

    <xs:annotation>

        <xs:documentation>Staff referral</xs:documentation>

    </xs:annotation>

</xs:enumeration>

<xs:enumeration value="3">

    <xs:annotation>

        <xs:documentation>Other agency referral</xs:documentation>

    </xs:annotation>

</xs:enumeration>

<xs:enumeration value="4">

    <xs:annotation>

        <xs:documentation>ERTS referral</xs:documentation>

    </xs:annotation>

</xs:enumeration>

<xs:enumeration value="5">

    <xs:annotation>

```

```

        <xs:documentation>Business inspection</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="6">
    <xs:annotation>
        <xs:documentation>Construction inspection</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="7">
    <xs:annotation>
        <xs:documentation>MS4 inspection or
screening</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="8">
    <xs:annotation>
        <xs:documentation>Other</xs:documentation>
        <xs:appinfo>Explain</xs:appinfo>
    </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
<xs:complexType name="AddressType">
    <xs:annotation>
        <xs:documentation>Conventional Street Address or Nearest
Intersection</xs:documentation>
    </xs:annotation>

```

```

<xs:sequence>
  <xs:element name="Address" type="xs:string" />
  <xs:element name="City" type="xs:string" />
  <xs:element maxOccurs="1" minOccurs="0" name="PostalCode"
type="xs:string" />
</xs:sequence>
</xs:complexType>
<xs:complexType name="LatLongType">
  <xs:annotation>
    <xs:documentation>Latitude Longitude pair, 6 decimal
digits.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="Latitude" type="LatNumber" />
    <xs:element name="Longitude" type="LongNumber" />
  </xs:sequence>
</xs:complexType>
<xs:simpleType name="LatNumber">
  <xs:annotation>
    <xs:documentation>Latitude, 6 decimal digits.</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:decimal">
    <xs:totalDigits value="8" />
    <xs:fractionDigits value="6" />
    <xs:minInclusive value="-90" />
    <xs:maxInclusive value="90" />
  </xs:restriction>

```



```

</xs:simpleType>

<xs:simpleType name="LongNumber">
  <xs:annotation>
    <xs:documentation>Longitude, 6 decimal
digits.</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:decimal">
    <xs:totalDigits value="9" />
    <xs:fractionDigits value="6" />
    <xs:minInclusive value="-180" />
    <xs:maxInclusive value="180" />
  </xs:restriction>
</xs:simpleType>

<xs:simpleType name="PollutantType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="0">
      <xs:annotation>
        <xs:documentation>Unconfirmed, unspecified, or not
identified</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="1">
      <xs:annotation>
        <xs:documentation>Fuel and/or vehicle related
fluids</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="2">

```

```

    <xs:annotation>
      <xs:documentation>Food-related oil/grease</xs:documentation>
    </xs:annotation>
  </xs:enumeration>
  <xs:enumeration value="3">
    <xs:annotation>
      <xs:documentation>Sediment/soil</xs:documentation>
    </xs:annotation>
  </xs:enumeration>
  <xs:enumeration value="4">
    <xs:annotation>
      <xs:documentation>Solid waste/trash</xs:documentation>
    </xs:annotation>
  </xs:enumeration>
  <xs:enumeration value="5">
    <xs:annotation>
      <xs:documentation>Sewage/septage/pet waste/human
waste</xs:documentation>
    </xs:annotation>
  </xs:enumeration>
  <xs:enumeration value="6">
    <xs:annotation>
      <xs:documentation>Other wastewater</xs:documentation>
    </xs:annotation>
  </xs:enumeration>
  <xs:enumeration value="7">
    <xs:annotation>

```

```

        <xs:documentation>Paint</xs:documentation>

    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="8">
    <xs:annotation>
        <xs:documentation>Firefighting foam</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="9">
    <xs:annotation>
        <xs:documentation>Soap or cleaning
chemicals</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="10">
    <xs:annotation>
        <xs:documentation>Other</xs:documentation>
        <xs:appinfo>Explain</xs:appinfo>
    </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="SourceType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="0">
            <xs:annotation>

```

```
<xs:documentation>Unconfirmed, unspecified, or not
identified</xs:documentation>

</xs:annotation>

</xs:enumeration>

<xs:enumeration value="1">

  <xs:annotation>

    <xs:documentation>Vehicle-related
business</xs:documentation>

  </xs:annotation>

</xs:enumeration>

<xs:enumeration value="2">

  <xs:annotation>

    <xs:documentation>Food-related business</xs:documentation>

  </xs:annotation>

</xs:enumeration>

<xs:enumeration value="3">

  <xs:annotation>

    <xs:documentation>Landscape-related
business</xs:documentation>

  </xs:annotation>

</xs:enumeration>

<xs:enumeration value="4">

  <xs:annotation>

    <xs:documentation>Mobile business</xs:documentation>

  </xs:annotation>

</xs:enumeration>

<xs:enumeration value="5">

  <xs:annotation>
```

```
<xs:documentation>Construction activity</xs:documentation>

</xs:annotation>

</xs:enumeration>

<xs:enumeration value="6">

  <xs:annotation>

    <xs:documentation>Other commercial/industrial
activity</xs:documentation>

  </xs:annotation>

</xs:enumeration>

<xs:enumeration value="7">

  <xs:annotation>

    <xs:documentation>Vehicle collision</xs:documentation>

  </xs:annotation>

</xs:enumeration>

<xs:enumeration value="8">

  <xs:annotation>

    <xs:documentation>Other accident/spill</xs:documentation>

  </xs:annotation>

</xs:enumeration>

<xs:enumeration value="9">

  <xs:annotation>

    <xs:documentation>Intentional dumping</xs:documentation>

  </xs:annotation>

</xs:enumeration>

<xs:enumeration value="10">

  <xs:annotation>

    <xs:documentation>Illicit connection</xs:documentation>
```

```

    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="11">
    <xs:annotation>
        <xs:documentation>Other</xs:documentation>
        <xs:appinfo>Explain</xs:appinfo>
    </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="TraceType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="0">
            <xs:annotation>
                <xs:documentation>Not applicable</xs:documentation>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="1">
            <xs:annotation>
                <xs:documentation>Observation
(color/sheen/turbidity/floatables/odor)</xs:documentation>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="2">
            <xs:annotation>
                <xs:documentation>Map analysis</xs:documentation>
            </xs:annotation>

```

```

</xs:enumeration>

<xs:enumeration value="3">

  <xs:annotation>

    <xs:documentation>Dye, smoke, or pressure
testing</xs:documentation>

  </xs:annotation>

</xs:enumeration>

<xs:enumeration value="4">

  <xs:annotation>

    <xs:documentation>Field indicator
measurements</xs:documentation>

  </xs:annotation>

</xs:enumeration>

<xs:enumeration value="5">

  <xs:annotation>

    <xs:documentation>Analytical laboratory
indicators</xs:documentation>

  </xs:annotation>

</xs:enumeration>

<xs:enumeration value="6">

  <xs:annotation>

    <xs:documentation>Other</xs:documentation>

    <xs:appinfo>Explain</xs:appinfo>

  </xs:annotation>

</xs:enumeration>

</xs:restriction>

</xs:simpleType>

<xs:simpleType name="CorrectionType">

```

```

<xs:restriction base="xs:string">
  <xs:enumeration value="0">
    <xs:annotation>
      <xs:documentation>Clean-up</xs:documentation>
    </xs:annotation>
  </xs:enumeration>
  <xs:enumeration value="1">
    <xs:annotation>
      <xs:documentation>Education/technical
assistance</xs:documentation>
    </xs:annotation>
  </xs:enumeration>
  <xs:enumeration value="2">
    <xs:annotation>
      <xs:documentation>Add or modify operational source control
BMP</xs:documentation>
    </xs:annotation>
  </xs:enumeration>
  <xs:enumeration value="3">
    <xs:annotation>
      <xs:documentation>Add or modify structural source control
BMP</xs:documentation>
    </xs:annotation>
  </xs:enumeration>
  <xs:enumeration value="4">
    <xs:annotation>
      <xs:documentation>Add or modify treatment
BMP</xs:documentation>

```



```

    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="5">
    <xs:annotation>
        <xs:documentation>Enforcement</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="6">
    <xs:annotation>
        <xs:documentation>Referred to other agency or
department</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="7">
    <xs:annotation>
        <xs:documentation>Other</xs:documentation>
        <xs:appinfo>Explain</xs:appinfo>
    </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
</xs:schema>

```