Illicit Discharge Detection and Elimination(IDDE)

Phase I and Western Washington Phase II Municipal Stormwater Permits

*Proposed approach to update the **IDDE tracking and reporting requirements** for the 2019 permit reissuance.*

I.   Introduction

The Washington Department of Ecology (Ecology) is working on reissuing the Phase I and Western Washington Phase II Municipal Stormwater Permit. Ecology prepared preliminary draft permit language or narrative descriptions of specific permit sections and is accepting informal comments until 11:59p.m., January 19, 2018. Send your comments to: http:// ws.ecology.commentinput.com/?id=tkx29
Or mail hard copies to:

Municipal Stormwater Comments
WA Department of Ecology
Water Quality Program
PO Box 47696
Olympia, WA 98504-7696

II.   Proposal

This is a summary of several changes Ecology is proposing related to Permittees' IDDE permit requirements. Proposed permit language for the entire IDDE permit section will be released in spring 2018.

Proposed changes to Phase II permit requirements

1. Move mapping requirements from S5.C.3 to a new mapping section under S5.C..

Proposed changes to Phase I and WWA Phase II permits:

2. Proposed new Phase II S5.C.3.f / Phase I S5.C.8.g language in red:
   - Recordkeeping: Each Permittee shall track and maintain records of the activities conducted to meet the requirements of this section. In the annual report, each permittee shall submit data for all of the potential illicit discharges, including spills and illicit connections, found by or reported to the Permittee during the previous calendar year. The summary shall include the information and formatting specified in WQWebIDDE. Applicable data shall be reported for all potential incidents, regardless of whether G3 notification was required, whether an illicit discharge was confirmed, or whether follow-up action was required by the Permittee. Each permittee may either use their own system or WQWebIDDE for recording this data. Final submittal must follow the schema described in WQWebIDDE.

> Note to readers: An IDDE incident tracking and reporting annual report question is in the current permit. Ecology issued guidance for permittees to meet this requirement but it was used by few permittees. Ecology wants the requirement to be meaningful and useful. The Stormwater Work Group stakeholder committee involved permittees in providing helpful definition and clarity to the expected reporting requirements. Ecology's IT department is building a form in the web portal that is primarily intended for use by permittees with smaller numbers (approximately <50) of incidents. Permittees with their own data bases should have their IT departments take a look at the data schema provided with this informal draft permit language.

3. Revised annual report question Phase II Q20/ Phase I Q48:

Q20/48. Attach ~~a summary of~~ a zipped xml file with data describing the actions taken to investigate, characterize, trace and eliminate each potential illicit discharge found by or reported to the permittee. ~~For each confirmed illicit discharge, include a description of actions according to the required timeline per S5.C.3.d.vi/S5.C.8.d.iv.~~ The submittal must include all of the applicable information and must follow the schema described in WQWebIDDE.

4. Delete/remove annual report questions (PH II/PH I: Q15b/44b, Q19/47, and Q61/87.

IDDE Reporting Schema

Shane Homan for Karen Dinicola

V0.2

IDDE Questions and Answers

1. Jurisdiction name (Permit Number)
2. Incident ID assigned by jurisdiction
3. Date incident reported
4. Date to begin response
5. Date to end response
6. Date of final resolution
   - Transferred to another party?
7. Discharge to MS4?
   - Yes
      a. Estimated Quantity
         - Unknown
         - Sheen
         - Less than 10 Gallons
         - 10 to 100 Gallons
         - 100 to 1,000 Gallons
         - 1,000 to 10,000 Gallons
         - Greater than 10,000 Gallons
      b. Discharge Frequency
         - Continuous or Ongoing
         - Intermittent
         - One-Time
   - No
      - Discharge Cleaned Up
      - Discharge to Combined sewer
      - Discharge to Private or other sewer
      - Other
         - Explain
   - Unknown
8. G3 notification?
   - Yes
      - ERTS case number
   - No
9. Incident location
   - Address
      - Street
      - City
      - State
      - Zip
   - Nearest Intersection
   - Tax Parcel
   - Latitude/Longitude
      - Latitude
      - Longitude
10. How was the incident discovered?
   - pollution hotline
   - (includes phone and/or web and/or mobile app)
   - direct report to staff
   - staff referral
   - other agency referral
   - ERTS
   - IDDE field observation
   - inspection
      - business
      - construction
      - catch basin or manhole
      - outfall or other MS4
      - stormwater BMP
      - other
         - Explain
   - other
      - explain
11. Pollutants identified:
- none found
- unconfirmed
- not identified
- unspecified
- vehicle oil, fuel, or other lubricant
- antifreeze or other coolant
- sediment/soil
- sewage/septage
- solid waste/trash
- food waste or oil
- yard waste or other plant or wood waste
- household or industrial chemical
      - Explain
- carpet cleaning waste
- fertilizer

- pesticide or herbicide
- bacteria
- pet waste
- soap/detergent
- fire-fighting foam
- other or unknown foam
- heating oil or kerosene
- roofing or road tar
- cement, concrete, lime, or plaster
- paint (oil based)
- paint (latex)
- PCBs
- refrigerant
- chlorinated water
- other
    - Explain
12. Source or cause:
- n/a
- allowable discharge
    - Diverted stream flow
    - Flow from riparian habitat or wetland
    - Uncontaminated ground water or spring water
    - Foundation or footing drain
    - Uncontaminated water from crawl space pump
    - Air conditioning condensation
    - Irrigation water from agricultural source
    - Emergency firefighting
- conditionally allowed discharge
    - Potable water
    - Water line flushing or testing
    - Lawn watering or other irrigation
    - Dechlorinated pool/spa water
    - Street/sidewalk wash water
- not identified
- illicit connection
- dumping
- spill
- vehicle collision/accident
- construction activity
- construction BMP failure
- structural BMP failure
- runoff due to drainage or grade conditions
- stormwater or flood water
- groundwater pumping
- broken or clogged water or sewer line
- septic system
- leaking or abandoned container/dumpster
- non-emergency firefighting or training
- fueling
- auto repair
- vehicle washing
- vehicle leakage/fluids
- equipment cleaning
- pressure washing
- drive-thru
- mobile business
- retail operations
- restaurant
- logging
- livestock
- other
    - Explain
13. Source tracing:
- n/a
- visual observation
- map analysis
- further inspection or reconnaissance
- indicator testing
- dye testing
- pressure testing
- smoke testing
- video inspection
- canine detection
- optical brightener
- sand bagging
- smell/odor
- other
    - Explain
14. Indicator testing:
- n/a

- flow/discharge
- sheen/oil
- floatables
- detergent or surfactants
- ammonia
- color
- odor
- pH
- temperature
- turbidity
- hardness
- nitrates
- potassium
- specific conductivity
- bacteria
- chloride/chlorine
- fluoride
- carbon monoxide
- hydrogen sulfide
- other
    - Explain
15. Correction/elimination methods:
- no action needed
    - Explain
- clean-up
- education/technical assistance
- add or improve source control BMP
- focus on structural
- behavioral or BMP operation modification
- focus on operational
- enforcement:
    - verbal notice
    - written warning
    - correction notice
    - stop work order
    - legal notice
    - penalty or fine
- referred to other agency or department
- follow-up or further investigation
- problem not abated
    - Explain
- Other
    - Explain
16. Field notes, explanations, and/or other comments:

```
XML Schema (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="DateReported" type="xs:date">
                        <xs:annotation>
                              <xs:documentation>Date incident reported</xs:documentation>
                        </xs:annotation>
                  </xs:element>
                  <xs:element maxOccurs="1" minOccurs="0" name="DateResponseBegin" type="xs:date">
                        <xs:annotation>
                              <xs:documentation>Date incident response began</xs:documentation>
                        </xs:annotation>
                  </xs:element>
                  <xs:element maxOccurs="1" minOccurs="0" name="DateResponseEnd" type="xs:date">
                        <xs:annotation>
                              <xs:documentation>Date incident response ended</xs:documentation>
                        </xs:annotation>
                  </xs:element>
                  <xs:element maxOccurs="1" minOccurs="0" name="DateResolved" type="Resolution">
                        <xs:annotation>
                              <xs:documentation>Date incident resolved, was it transferred</xs:documentation>
                        </xs:annotation>
                  </xs:element>
                  <xs:element maxOccurs="1" minOccurs="0" name="Discharge" type="Discharge">
                        <xs:annotation>
                              <xs:documentation>Discharge to MS4 details</xs:documentation>
                        </xs:annotation>
                  </xs:element>
                  <xs:element maxOccurs="1" minOccurs="0" name="G3" type="G3Notification">
                        <xs:annotation>
                              <xs:documentation>Does this incident require a G3 notification?  What is its ERTS
number?</xs:documentation>
                        </xs:annotation>
                  </xs:element>
                  <xs:element maxOccurs="1" minOccurs="0" name="Location" type="Location">
                        <xs:annotation>
                              <xs:documentation>Location of discharge</xs:documentation>
                        </xs:annotation>
                  </xs:element>
                  <xs:element maxOccurs="1" minOccurs="0" name="Discovereds" type="Discovered">
                        <xs:annotation>
                              <xs:documentation>How was the incident discovered?</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="Indicators" type="Indicator">
                        <xs:annotation>
                              <xs:documentation>Indicator Testing</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:attribute name="Jurisdiction">
                  <xs:annotation>
                        <xs:documentation>Permit Number</xs:documentation>
                  </xs:annotation>
```

```xml
                <xs:simpleType>
                        <xs:restriction base="xs:string">
                                <xs:maxLength value="9"/>
                        </xs:restriction>
                </xs:simpleType>
        </xs:attribute>
        <xs:attribute name="IncidentId" type="xs:string">
                <xs:annotation>
                        <xs:documentation>Incident ID</xs:documentation>
                </xs:annotation>
        </xs:attribute>
</xs:complexType>
<xs:complexType name="Resolution">
        <xs:annotation>
                <xs:documentation>Incident resolution</xs:documentation>
        </xs:annotation>
        <xs:attribute name="date" type="xs:date"/>
        <xs:attribute name="transferred" type="xs:string">
                <xs:annotation>
                        <xs:documentation>Who was the incident transferred to (if any)</xs:documentation>
                </xs:annotation>
        </xs:attribute>
</xs:complexType>
<xs:complexType name="Discharge">
        <xs:choice>
                <xs:element name="No" type="NoMS4Discharge"/>
                <xs:element name="Yes" type="YesMS4Discharge"/>
                <xs:element name="Unknown" type="UnknownMS4Discharge"/>
        </xs:choice>
</xs:complexType>
<xs:complexType name="G3Notification">
        <xs:attribute name="g3" type="xs:boolean"/>
        <xs:attribute name="erts_id" type="xs:string"/>
</xs:complexType>
<xs:complexType name="Location">
        <xs:sequence>
                <xs:element maxOccurs="1" minOccurs="0" name="Location" type="xs:string"/>
        </xs:sequence>
        <xs:attribute name="type" type="LocationType"/>
</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="Pollutant">
        <xs:sequence>
                <xs:element maxOccurs="unbounded" name="Pollutant">
                        <xs:complexType>
                                <xs:sequence>
                                        <xs:element maxOccurs="1" minOccurs="0" name="Explain" type="xs:string"/>
                                </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:attribute name="type" type="TraceType"/>
                        </xs:complexType>
                </xs:element>
        </xs:sequence>
</xs:complexType>
<xs:complexType name="Indicator">
        <xs:sequence>
                <xs:element maxOccurs="unbounded" name="Indicator">
                        <xs:complexType>
```

```xml
                    <xs:sequence>
                        <xs:element maxOccurs="1" minOccurs="0" name="Explain" type="xs:string"/>
                    </xs:sequence>
                    <xs:attribute name="type" type="IndicatorType"/>
                </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="NoMS4Discharge">
        <xs:annotation>
            <xs:documentation>No discharge reached MS4</xs:documentation>
        </xs:annotation>
        <xs:sequence>
            <xs:element maxOccurs="1" minOccurs="0" name="Explain" type="xs:string"/>
        </xs:sequence>
        <xs:attribute name="reason" type="NoMs4Reason"/>
    </xs:complexType>
    <xs:complexType name="YesMS4Discharge">
        <xs:annotation>
            <xs:documentation>Discharge reached MS4</xs:documentation>
        </xs:annotation>
        <xs:attribute name="quantity" type="DischargeQuantity"/>
        <xs:attribute name="frequency" type="DischargeFrequency"/>
    </xs:complexType>
    <xs:complexType name="UnknownMS4Discharge">
        <xs:annotation>
            <xs:documentation>Unknown if discharge reached MS4</xs:documentation>
        </xs:annotation>
    </xs:complexType>
    <xs:simpleType name="NoMs4Reason">
        <xs:annotation>
            <xs:documentation>Reason there was no discharge to MS4</xs:documentation>
        </xs:annotation>
        <xs:restriction base="xs:string">
            <xs:enumeration value="0">
                <xs:annotation>
                    <xs:documentation>Other</xs:documentation>
                    <xs:appinfo>Requires Explanation</xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="1">
                <xs:annotation>
                    <xs:documentation>Cleaned Up</xs:documentation>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="2">
                <xs:annotation>
                    <xs:documentation>Combined Sewer</xs:documentation>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="3">
                <xs:annotation>
                    <xs:documentation>Private Sewer</xs:documentation>
                </xs:annotation>
            </xs:enumeration>
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="DischargeQuantity">
        <xs:annotation>
            <xs:documentation>Estimated quantity of discharge to MS4</xs:documentation>
        </xs:annotation>
        <xs:restriction base="xs:string">
            <xs:enumeration value="0">
                <xs:annotation>
                    <xs:documentation>Unknown Quantity</xs:documentation>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="1">
                <xs:annotation>
                    <xs:documentation>Sheen</xs:documentation>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="2">
                <xs:annotation>
                    <xs:documentation>0-10 Gallons</xs:documentation>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="3">
                <xs:annotation>
                    <xs:documentation>10-100 Gallons</xs:documentation>
```

```xml
                              </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration value="4">
                              <xs:annotation>
                                      <xs:documentation>100-1000 Gallons</xs:documentation>
                              </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration value="5">
                              <xs:annotation>
                                      <xs:documentation>1,000-10,000 Gallons</xs:documentation>
                              </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration value="6">
                              <xs:annotation>
                                      <xs:documentation>10,000+ Gallons</xs:documentation>
                              </xs:annotation>
                      </xs:enumeration>
              </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="DischargeFrequency">
              <xs:annotation>
                      <xs:documentation>Frequency of discharge to MS4</xs:documentation>
              </xs:annotation>
              <xs:restriction base="xs:string">
                      <xs:enumeration value="0">
                              <xs:annotation>
                                      <xs:documentation>Unknown</xs:documentation>
                              </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration value="1">
                              <xs:annotation>
                                      <xs:documentation>Continuous or Ongoing</xs:documentation>
                              </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration value="2">
                              <xs:annotation>
                                      <xs:documentation>Intermittent</xs:documentation>
                              </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration value="3">
                              <xs:annotation>
                                      <xs:documentation>One-Time</xs:documentation>
                              </xs:annotation>
                      </xs:enumeration>
              </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="LocationType">
              <xs:annotation>
                      <xs:documentation>Responses for Type of location reference</xs:documentation>
              </xs:annotation>
              <xs:restriction base="xs:string">
                      <xs:enumeration value="0">
                              <xs:annotation>
                                      <xs:documentation>Latitude Longitude</xs:documentation>
                              </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration value="1">
                              <xs:annotation>
                                      <xs:documentation>Address</xs:documentation>
                              </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration value="2">
                              <xs:annotation>
                                      <xs:documentation>Tax Parcel</xs:documentation>
                              </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration value="3">
                              <xs:annotation>
                                      <xs:documentation>Intersection</xs:documentation>
                              </xs:annotation>
                      </xs:enumeration>
              </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="DiscoveredType">
              <xs:annotation>
                      <xs:documentation>Responses for How was this incident discovered?</xs:documentation>
              </xs:annotation>
              <xs:restriction base="xs:string">
                      <xs:enumeration value="0">
                              <xs:annotation>
                                      <xs:documentation>Other</xs:documentation>
                                      <xs:appinfo>Requires Explanation</xs:appinfo>
                              </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration value="1">
                              <xs:annotation>
                                      <xs:documentation>Pollution Hotline</xs:documentation>
                              </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration value="2">
                              <xs:annotation>
                                      <xs:documentation>Direct Report to Staff</xs:documentation>
```

```xml
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="3">
                    <xs:annotation>
                        <xs:documentation>Staff referral</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="4">
                    <xs:annotation>
                        <xs:documentation>Agency referral</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="5">
                    <xs:annotation>
                        <xs:documentation>ERTS</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="6">
                    <xs:annotation>
                        <xs:documentation>IDDE field observation</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="7">
                    <xs:annotation>
                        <xs:documentation>Inspection: Business</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="8">
                    <xs:annotation>
                        <xs:documentation>Inspection: Construction</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="9">
                    <xs:annotation>
                        <xs:documentation>Inspection: Catch basin or manhole</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="10">
                    <xs:annotation>
                        <xs:documentation>Inspection: Outfall or other MS4</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="11">
                    <xs:annotation>
                        <xs:documentation>Inspection: Stormwater BMP</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="12">
                    <xs:annotation>
                        <xs:documentation>Inspection: Other</xs:documentation>
                        <xs:appinfo>Requires Explanation</xs:appinfo>
                    </xs:annotation>
                </xs:enumeration>
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="PollutantType">
        <xs:restriction base="xs:string">
                <xs:enumeration value="0">
                    <xs:annotation>
                        <xs:documentation>None</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="1">
                    <xs:annotation>
                        <xs:documentation>Unconfirmed</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="2">
                    <xs:annotation>
                        <xs:documentation>Not Identified</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="3">
                    <xs:annotation>
                        <xs:documentation>Unspecified</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="4">
                    <xs:annotation>
                        <xs:documentation>Vehicle Oil, Fuel, or Lubricant</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="5">
                    <xs:annotation>
                        <xs:documentation>Antifreeze, other coolant</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="6">
                    <xs:annotation>
                        <xs:documentation>Sediment, Soil</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
```

```xml
<xs:enumeration value="7">
	<xs:annotation>
		<xs:documentation>Sewage, Septage</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="8">
	<xs:annotation>
		<xs:documentation>Solid Waste or Trash</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="9">
	<xs:annotation>
		<xs:documentation>Food Waste</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="10">
	<xs:annotation>
		<xs:documentation>Yard Waste</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="11">
	<xs:annotation>
		<xs:documentation>Household or Industrial Chemical</xs:documentation>
		<xs:appinfo>Requires Explanation</xs:appinfo>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="12">
	<xs:annotation>
		<xs:documentation>Carpet Cleaning Waste</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="13">
	<xs:annotation>
		<xs:documentation>Fertilizer</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="14">
	<xs:annotation>
		<xs:documentation>Pesticide, herbicide</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="15">
	<xs:annotation>
		<xs:documentation>Bacteria</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="16">
	<xs:annotation>
		<xs:documentation>Pet Waste</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="17">
	<xs:annotation>
		<xs:documentation>Soap or Detergent</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="18">
	<xs:annotation>
		<xs:documentation>Fire-fighting Foam</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="19">
	<xs:annotation>
		<xs:documentation>Other or Unknown Foam</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="20">
	<xs:annotation>
		<xs:documentation>Heating Oil or Kerosene</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="21">
	<xs:annotation>
		<xs:documentation>Roofing or Road Tar</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="22">
	<xs:annotation>
		<xs:documentation>Cement, Concrete, Lime, or Plaster</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="23">
	<xs:annotation>
		<xs:documentation>Paint (Oil base)</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="24">
	<xs:annotation>
		<xs:documentation>Paint (Latex base)</xs:documentation>
	</xs:annotation>
</xs:enumeration>
<xs:enumeration value="25">
```

```xml
					<xs:annotation>
						<xs:documentation>PCBs</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="26">
					<xs:annotation>
						<xs:documentation>Refrigerant</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="27">
					<xs:annotation>
						<xs:documentation>Chlorinated Water</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="28">
					<xs:annotation>
						<xs:documentation>Other</xs:documentation>
						<xs:appinfo>Requires Explanation</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>Other</xs:documentation>
						<xs:appinfo>Requires Explanation</xs:appinfo>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="1">
					<xs:annotation>
						<xs:documentation>Not Identified</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="2">
					<xs:annotation>
						<xs:documentation>N/A</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="3">
					<xs:annotation>
						<xs:documentation>Allowable Discharge: Diverted stream flow</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="4">
					<xs:annotation>
						<xs:documentation>Allowable Discharge: Flow from riparian habitat or
wetland</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="5">
					<xs:annotation>
						<xs:documentation>Allowable Discharge: Uncontaminated ground water or spring
water</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="6">
					<xs:annotation>
						<xs:documentation>Allowable Discharge: Foundation or footing drain</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="7">
					<xs:annotation>
						<xs:documentation>Allowable Discharge: Uncontaminated water from crawl space
pump</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="8">
					<xs:annotation>
						<xs:documentation>Allowable Discharge: Air Conditioning
Condensation</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="9">
					<xs:annotation>
						<xs:documentation>Allowable Discharge: Irrigation water from agricultural
source</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="10">
					<xs:annotation>
						<xs:documentation>Allowable Discharge: Emergency Firefighting</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="11">
					<xs:annotation>
						<xs:documentation>Conditionally Allowable Discharge: Potable water</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="12">
					<xs:annotation>
```

```xml
                            <xs:documentation>Conditionally Allowable Discharge: Water line flushing or
testing</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="13">
                        <xs:annotation>
                            <xs:documentation>Conditionally Allowable Discharge: Lawn watering or other
irrigation</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="14">
                        <xs:annotation>
                            <xs:documentation>Conditionally Allowable Discharge: Dechlorinated pool or spa
water</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="15">
                        <xs:annotation>
                            <xs:documentation>Conditionally Allowable Discharge: Street/sidewalk wash
water</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="16">
                        <xs:annotation>
                            <xs:documentation>Illicit connection</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="17">
                        <xs:annotation>
                            <xs:documentation>Dumping</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="18">
                        <xs:annotation>
                            <xs:documentation>Spill</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="19">
                        <xs:annotation>
                            <xs:documentation>Vehicle collision/accident</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="20">
                        <xs:annotation>
                            <xs:documentation>Construction activity</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="21">
                        <xs:annotation>
                            <xs:documentation>Construction BMP failure</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="22">
                        <xs:annotation>
                            <xs:documentation>Runoff due to drainage or grade conditions</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="23">
                        <xs:annotation>
                            <xs:documentation>Stormwater or flood water</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="24">
                        <xs:annotation>
                            <xs:documentation>Groundwater pumping</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="25">
                        <xs:annotation>
                            <xs:documentation>Broken or clogged water or sewer line</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="26">
                        <xs:annotation>
                            <xs:documentation>Septic system</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="27">
                        <xs:annotation>
                            <xs:documentation>Leaking or abandoned container/dumpster</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="28">
                        <xs:annotation>
                            <xs:documentation>Non-emergency firefighting or training</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="29">
                        <xs:annotation>
                            <xs:documentation>Fueling</xs:documentation>
                        </xs:annotation>
                    </xs:enumeration>
```

```xml
                <xs:enumeration value="30">
                        <xs:annotation>
                                <xs:documentation>Auto repair</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="31">
                        <xs:annotation>
                                <xs:documentation>Vehicle washing</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="32">
                        <xs:annotation>
                                <xs:documentation>Vehicle leakage/fluids</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="33">
                        <xs:annotation>
                                <xs:documentation>Equipment cleaning</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="34">
                        <xs:annotation>
                                <xs:documentation>Pressure washing</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="35">
                        <xs:annotation>
                                <xs:documentation>Drive through</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="36">
                        <xs:annotation>
                                <xs:documentation>Mobile business</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="37">
                        <xs:annotation>
                                <xs:documentation>Retail operations</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="38">
                        <xs:annotation>
                                <xs:documentation>Restaurant</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="39">
                        <xs:annotation>
                                <xs:documentation>Logging</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="40">
                        <xs:annotation>
                                <xs:documentation>Livestock</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="41">
                        <xs:annotation>
                                <xs:documentation>Structural BMP failure</xs:documentation>
                        </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>Other</xs:documentation>
                                <xs:appinfo>Requires Explanation</xs:appinfo>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="1">
                        <xs:annotation>
                                <xs:documentation>N/A</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="2">
                        <xs:annotation>
                                <xs:documentation>Visual Observation</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="3">
                        <xs:annotation>
                                <xs:documentation>Map Analysis</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="4">
                        <xs:annotation>
                                <xs:documentation>Further Inspection or Reconnaissance</xs:documentation>
                        </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="5">
                        <xs:annotation>
```

```xml
						<xs:documentation>Indicator Testing</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="6">
					<xs:annotation>
						<xs:documentation>Dye Testing</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="7">
					<xs:annotation>
						<xs:documentation>Pressure Testing</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="8">
					<xs:annotation>
						<xs:documentation>Smoke Testing</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="9">
					<xs:annotation>
						<xs:documentation>Video Inspection</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="10">
					<xs:annotation>
						<xs:documentation>Canine Detection</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="11">
					<xs:annotation>
						<xs:documentation>Optical Brightener</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="12">
					<xs:annotation>
						<xs:documentation>Sand Bagging</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="13">
					<xs:annotation>
						<xs:documentation>Smell/Odor</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
		</xs:restriction>
	</xs:simpleType>
	<xs:simpleType name="IndicatorType">
		<xs:restriction base="xs:string">
			<xs:enumeration value="0">
				<xs:annotation>
					<xs:documentation>Other</xs:documentation>
					<xs:appinfo>Requires Explanation</xs:appinfo>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="1">
				<xs:annotation>
					<xs:documentation>N/A</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="2">
				<xs:annotation>
					<xs:documentation>Flow/Discharge</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="3">
				<xs:annotation>
					<xs:documentation>Sheen/Oil</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="4">
				<xs:annotation>
					<xs:documentation>Floatables</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="5">
				<xs:annotation>
					<xs:documentation>Detergents or Surfactants</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="6">
				<xs:annotation>
					<xs:documentation>Ammonia</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="7">
				<xs:annotation>
					<xs:documentation>Color</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="8">
				<xs:annotation>
					<xs:documentation>Odor</xs:documentation>
				</xs:annotation>
```

```xml
			</xs:enumeration>
			<xs:enumeration value="9">
				<xs:annotation>
					<xs:documentation>pH</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="10">
				<xs:annotation>
					<xs:documentation>Temperature</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="11">
				<xs:annotation>
					<xs:documentation>Turbidity</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="12">
				<xs:annotation>
					<xs:documentation>Hardness</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="13">
				<xs:annotation>
					<xs:documentation>Nitrates</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="14">
				<xs:annotation>
					<xs:documentation>Potassium</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="15">
				<xs:annotation>
					<xs:documentation>Specific Conductivity</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="16">
				<xs:annotation>
					<xs:documentation>Bacteria</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="17">
				<xs:annotation>
					<xs:documentation>Chloride/Chlorine</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="18">
				<xs:annotation>
					<xs:documentation>Fluoride</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="19">
				<xs:annotation>
					<xs:documentation>Carbon Monoxide</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="20">
				<xs:annotation>
					<xs:documentation>Hydrogen Sulfide</xs:documentation>
				</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>Other</xs:documentation>
					<xs:appinfo>Requires Explanation</xs:appinfo>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="1">
				<xs:annotation>
					<xs:documentation>No Action</xs:documentation>
					<xs:appinfo>Requires Explanation</xs:appinfo>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="2">
				<xs:annotation>
					<xs:documentation>Cleaned up</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="3">
				<xs:annotation>
					<xs:documentation>Education/Technical Assistance</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
			<xs:enumeration value="4">
				<xs:annotation>
					<xs:documentation>Add or Improve Source Control BMP</xs:documentation>
				</xs:annotation>
			</xs:enumeration>
```

```xml
				<xs:enumeration value="5">
					<xs:annotation>
						<xs:documentation>Behavioral or BMP Operation Modification</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="6">
					<xs:annotation>
						<xs:documentation>Enforcement: Verbal Notice</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="7">
					<xs:annotation>
						<xs:documentation>Enforcement: Written Warning</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="8">
					<xs:annotation>
						<xs:documentation>Enforcement: Correction Notice</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="9">
					<xs:annotation>
						<xs:documentation>Enforcement: Stop Work Order</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="10">
					<xs:annotation>
						<xs:documentation>Enforcement: Legal Notice</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="11">
					<xs:annotation>
						<xs:documentation>Enforcement: Penalty or Fine</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="12">
					<xs:annotation>
						<xs:documentation>Referred to another agency or department</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="13">
					<xs:annotation>
						<xs:documentation>Follow-up or further investigation</xs:documentation>
					</xs:annotation>
				</xs:enumeration>
				<xs:enumeration value="14">
					<xs:annotation>
						<xs:documentation>Problem Not Abated</xs:documentation>
						<xs:appinfo>Requires Explanation</xs:appinfo>
					</xs:annotation>
				</xs:enumeration>
			</xs:restriction>
		</xs:simpleType>
</xs:schema>
```

Example XML

```xml
<?xml version="1.0" encoding="utf-8"?>
<IDDEEvents>
  <IDDEEvent Jurisdiction="Jurisdic1" IncidentId="IncidentId1">
    <Notes>Notes1</Notes>
    <Corrections>
      <Correction type="0">
        <Explain>Explain1</Explain>
      </Correction>
      <Correction type="1">
        <Explain>Explain2</Explain>
      </Correction>
      <Correction type="2">
        <Explain>Explain3</Explain>
      </Correction>
    </Corrections>
    <Indicators>
      <Indicator type="0">
        <Explain>Explain1</Explain>
      </Indicator>
      <Indicator type="1">
        <Explain>Explain2</Explain>
      </Indicator>
      <Indicator type="2">
        <Explain>Explain3</Explain>
      </Indicator>
    </Indicators>
    <Traces>
      <Trace type="0">
        <Explain>Explain1</Explain>
      </Trace>
      <Trace type="1">
        <Explain>Explain2</Explain>
      </Trace>
      <Trace type="2">
        <Explain>Explain3</Explain>
      </Trace>
    </Traces>
    <Sources>
      <Source type="0">
        <Explain>Explain1</Explain>
      </Source>
      <Source type="1">
        <Explain>Explain2</Explain>
      </Source>
      <Source type="2">
        <Explain>Explain3</Explain>
      </Source>
    </Sources>
    <Pollutants>
      <Pollutant type="0">
        <Explain>Explain1</Explain>
      </Pollutant>
      <Pollutant type="1">
        <Explain>Explain2</Explain>
      </Pollutant>
      <Pollutant type="2">
        <Explain>Explain3</Explain>
      </Pollutant>
    </Pollutants>
    <Discovereds>
      <Discovered type="0">
        <Explain>Explain1</Explain>
      </Discovered>
      <Discovered type="1">
        <Explain>Explain2</Explain>
      </Discovered>
      <Discovered type="2">
        <Explain>Explain3</Explain>
      </Discovered>
    </Discovereds>
    <Location type="0">
      <Location>Location1</Location>
    </Location>
    <G3 g3="true" erts_id="erts_id1" />
    <Discharge>
      <No reason="0">
        <Explain>Explain1</Explain>
      </No>
    </Discharge>
    <DateResolved date="1900-01-01" transferred="transferred1" />
    <DateResponseEnd>1900-01-01</DateResponseEnd>
    <DateResponseBegin>1900-01-01</DateResponseBegin>
    <DateReported>1900-01-01</DateReported>
  </IDDEEvent>
  <IDDEEvent Jurisdiction="WAR45500" IncidentId="IncidentId2">
    <Notes>Notes2</Notes>
    <Corrections>
      <Correction type="3">
        <Explain>Explain4</Explain>
      </Correction>
      <Correction type="4">
        <Explain>Explain5</Explain>
      </Correction>
      <Correction type="5">
        <Explain>Explain6</Explain>
```

```xml
      </Correction>
    </Corrections>
    <Indicators>
      <Indicator type="3">
        <Explain>Explain4</Explain>
      </Indicator>
      <Indicator type="4">
        <Explain>Explain5</Explain>
      </Indicator>
      <Indicator type="5">
        <Explain>Explain6</Explain>
      </Indicator>
    </Indicators>
    <Traces>
      <Trace type="3">
        <Explain>Explain4</Explain>
      </Trace>
      <Trace type="4">
        <Explain>Explain5</Explain>
      </Trace>
      <Trace type="5">
        <Explain>Explain6</Explain>
      </Trace>
    </Traces>
    <Sources>
      <Source type="3">
        <Explain>Explain4</Explain>
      </Source>
      <Source type="4">
        <Explain>Explain5</Explain>
      </Source>
      <Source type="5">
        <Explain>Explain6</Explain>
      </Source>
    </Sources>
    <Pollutants>
      <Pollutant type="3">
        <Explain>Explain4</Explain>
      </Pollutant>
      <Pollutant type="4">
        <Explain>Explain5</Explain>
      </Pollutant>
      <Pollutant type="5">
        <Explain>Explain6</Explain>
      </Pollutant>
    </Pollutants>
    <Discovereds>
      <Discovered type="3">
        <Explain>Explain4</Explain>
      </Discovered>
      <Discovered type="4">
        <Explain>Explain5</Explain>
      </Discovered>
      <Discovered type="5">
        <Explain>Explain6</Explain>
      </Discovered>
    </Discovereds>
    <Location type="1">
      <Location>Location2</Location>
    </Location>
    <G3 g3="false" erts_id="erts_id2" />
    <Discharge>
      <No reason="1">
        <Explain>Explain2</Explain>
      </No>
    </Discharge>
    <DateResolved date="0001-01-01" transferred="transferred2" />
    <DateResponseEnd>0001-01-01</DateResponseEnd>
    <DateResponseBegin>0001-01-01</DateResponseBegin>
    <DateReported>0001-01-01</DateReported>
  </IDDEEvent>
  <IDDEEvent Jurisdiction="Jurisdic3" IncidentId="IncidentId3">
    <Notes>Notes3</Notes>
    <Corrections>
      <Correction type="6">
        <Explain>Explain7</Explain>
      </Correction>
      <Correction type="7">
        <Explain>Explain8</Explain>
      </Correction>
      <Correction type="8">
        <Explain>Explain9</Explain>
      </Correction>
    </Corrections>
    <Indicators>
      <Indicator type="6">
        <Explain>Explain7</Explain>
      </Indicator>
      <Indicator type="7">
        <Explain>Explain8</Explain>
      </Indicator>
      <Indicator type="8">
        <Explain>Explain9</Explain>
      </Indicator>
    </Indicators>
    <Traces>
      <Trace type="6">
```

```xml
            <Explain>Explain7</Explain>
          </Trace>
          <Trace type="7">
            <Explain>Explain8</Explain>
          </Trace>
          <Trace type="8">
            <Explain>Explain9</Explain>
          </Trace>
        </Traces>
        <Sources>
          <Source type="6">
            <Explain>Explain7</Explain>
          </Source>
          <Source type="7">
            <Explain>Explain8</Explain>
          </Source>
          <Source type="8">
            <Explain>Explain9</Explain>
          </Source>
        </Sources>
        <Pollutants>
          <Pollutant type="6">
            <Explain>Explain7</Explain>
          </Pollutant>
          <Pollutant type="7">
            <Explain>Explain8</Explain>
          </Pollutant>
          <Pollutant type="8">
            <Explain>Explain9</Explain>
          </Pollutant>
        </Pollutants>
        <Discovereds>
          <Discovered type="6">
            <Explain>Explain7</Explain>
          </Discovered>
          <Discovered type="7">
            <Explain>Explain8</Explain>
          </Discovered>
          <Discovered type="8">
            <Explain>Explain9</Explain>
          </Discovered>
        </Discovereds>
        <Location type="2">
          <Location>Location3</Location>
        </Location>
        <G3 g3="true" erts_id="erts_id3" />
        <Discharge>
          <No reason="2">
            <Explain>Explain3</Explain>
          </No>
        </Discharge>
        <DateResolved date="9999-12-31" />
        <DateResponseEnd>9999-12-31</DateResponseEnd>
        <DateResponseBegin>9999-12-31</DateResponseBegin>
        <DateReported>9999-12-31</DateReported>
    </IDDEEvent>
</IDDEEvents>
```