Project Name: _____

SIC: __ __ __ __ __ **Program:** _____

Send Results to: _____ Mail Stop: _____

Oil Spill Chain-of-Custody Form

Page____ of ____

Date results needed by:_____

Sampling Information										Analyses Requested							
Sampler's Initials	Date Year: Mo Da	Time (Military) 0000-2400 Hr Mn	Field Station Identification (maximum of 12 characters)	Lab Sample Number (assigned by the laboratory)	Matrix Code	Source Code	No. of Containers	HCID	NWTPH-Dx	NWTPH-Gx	PAHs-NOAA List	VOA	BTEX	Other Analyses (write in)			

Project Officer: _____

Phone Number: _____

Cell Number: _____

Samplers: _____

Recorder: _____

Date Recorded: _____

Temperature of Cooler at Lab: _____

Custody Record

Relinquished By:	Received By:	Yr	Mo	Da	Hr	Mn	Seal I.D.	Condition

Comments: _____

ECY 050-42 (REV. 05/2016)

Matrix Codes

Code	Description
10	Water
40	Soil/Sediment
70	Tissue
80	Oil/Solvent
90	Waste
00	Other

Source Codes

Code	Description
00	**Unspecified Source**
01	Unknown Liquid Media (Drum/Tank)
02	Unknown Liquid Media (Spill Area)

Source Codes (cont.)

Code	Description
10	**Water (General)**
12	Ambient Stream/River
13	Lake/Reservoir
14	Estuary/Ocean
17	Surface Runoff/Pond
18	Irrigation Canal/Return
40	**Sediment (General)**
42	Bottom Sediment or Deposit
44	Sludge (General)
45	Sludge (Waste/Pond)
46	Sludge (Drum/Tank)
48	Soil (General)
49	Soil (Spill/Contaminated Area)

Source Codes (cont.)

Code	Description
70	**Tissue (General)**
71	Fish Tissue
72	Shellfish Tissue
73	Bird Tissue
74	Mammal Tissue
75	Macroinvertebrate
76	Algae
78	Plant/Vegetation
80	**Oil/Solvent (General)**
81	Oil (Transformer/Capacitor)
82	Oil/Solvent (Drum/Tank)
83	Oil/Solvent (Spill Area)
84	Oil/Solvent (Waste/Pond)

Analyses Requested Guidelines (Questions about an analysis? Contact the laboratory at **360-871-8800**.)

HCID – Hydrocarbon Identification, a qualitative analysis used to identify the type of oil in a sample and to match samples to a source. Cannot be used to quantify the concentration of hydrocarbons in the sample **(concentrated or floating oil cannot be quantified).** Collect one-liter for sheens (head-space is okay) or use a Teflon sheen net, 40 mL vial for concentrated oil, and 8 oz. for oil in soil or sediment. Identify which samples should be compared for a match on the "Comments" line. If the oil is known or suspected to be vegetable based, enter this information on the "Comments" line. **Bio-Markers** – A second analysis that can be used to confirm a match. The lab will contact the project officer to authorize this analysis if bio-markers are present in the sample and the analysis is necessary to confirm a match. A separate sample is not necessary for this analysis.

NWTPH-Dx – Total Petroleum Hydrocarbons-Diesel Extended Range, for quantitation of all petroleum products except gasoline range hydrocarbons (kerosene, diesel, lube oils, hydraulic oil, IFO, HFO, crude oil, etc.). For dissolved oil in water, or oil adsorbed to soil or sediment **(concentrated or floating oil cannot be quantified)**. Collect one-liter for water (fill at least to bottle shoulder), and 8 oz. for soil or sediment (fill to ¾ full). 7-day holding time for water and 14 days for soil or sediment.

NWTPH-Gx – Total Petroleum Hydrocarbons-Gasoline Range Hydrocarbons, for quantitation of gasoline range hydrocarbons (volatiles; including mineral spirits, naphtha, etc.). For dissolved oil in water, or oil adsorbed to soil or sediment. Collect three 40 mL VOA vials (with septum caps) for water (**no head-space** (no bubbles), 7-day holding time or 14 days if preserved with 1:1 acid); and three airtight capsules (Encore or equivalent), plus one 4 oz. jar (with septum cap, no head space) for soil or sediment (48-hour holding time, call laboratory to coordinate).

For samples that may contain a mixture of gasoline and other petroleum products, collect samples for both analyses (NWTPH-Dx and NWTPH-Gx).

BTEX – Benzene, Toluene, Ethylbenzene, and Xylene, for quantitation of these four components of gasoline, which are highly soluble in water and cause most of the acute toxicity. Separate samples are not necessary, simultaneous BTEX analyses can be performed using the samples for NWTPH-Gx. For separate samples, use the same collection guidance as provided above for NWTPH-Gx.

VOA – Volatile Organics Analysis, for low-level quantitation of an extensive list of volatile compounds, **including BTEX**. Used in special circumstances when unusual volatile compounds (solvents, etc.) are expected. Use the same collection guidance as provided above for NWTPH-Gx.

PAHs-NOAA List – Polynuclear Aromatic Hydrocarbons, a low-level analysis for an extended list of hydrocarbons that include petroleum based compounds, are generally more persistent, and are thought to cause chronic toxicity. Primarily used for NRDA. Collect one-liter for water, and 8 oz. for soil or sediment. 7-day holding time for water and 14 days for soil or sediment. Consult lab regarding tissue samples.

Recommended Field Station Identification (Sample Number) format – Use the first letter of the first two words in the incident name; for vessels use "V" and the first letter of the vessel name; add "S" for sediment, "W" for water, "O" for concentrated oil, "SO" for source oil, or "T" for tissue; the date (MMDDYY); and a number if multiple samples of the same type are collected at the same station on the same date. **Example:** For the first water sample collected for the Bob's Trucking Spill on July 5, 2016, the Field Station Identification would be BTW0705161. If a second water sample is collected, it would be BTW0705162.