Western Response Resource List User Manual

Introduction

The Western Response Resource List (WRRL) is a database that stores information on various types of oil spill response equipment in the Pacific Northwest. In 1997, the earliest version of the WRRL was created during a drill when a participant started listing and tracking equipment on an excel spreadsheet. Not too long after that drill, District 13 of the U.S. Coast Guard was approached by several of the response contractors to chair a group that would eventually create a way of listing and tracking regional response resources. There have been several different versions of the WRRL since its inception and the current version of the WRRL is hosted by GenWest Systems Inc. and is a web based system that allows users to enter, edit, and access the data. It is the equipment owner's responsibility to update and maintain their equipment information on the WRRL. The WRRL can be accessed at www.wrrl.us.

One of the main advantages of the WRRL is that it provides a uniform system to describe and list equipment. Each piece of equipment that is entered in the database is given a unique "WRRL ID" that provides a standard way of tracking and listing equipment in the region. The database can be accessed via the internet and downloaded in a variety of formats. Once the information is downloaded the data can be used in a number of different ways. It can be used to locate and order response equipment during a drill or spill, provide an overall picture of the regions response resources, be used for developing and reviewing oil spill contingency plans, assist in cost accounting, or by an organization to track their own resources.

The intent of this document is to provide basic information and describe how equipment should be listed on the WRRL.

Listing equipment on the WRRL

Oil spill response equipment that could be used during a spill or is listed in area contingency plans should be listed on the WRRL. While most of the equipment listed is located in Washington and Oregon, equipment that is located in Canada, Alaska, California, and Hawaii has been added by some contractors. Keep in mind that oil spill responses may cover several aspects including but not limited to mechanical recovery, in-situ burn, dispersant application, shoreline cleanup, salvage, and wildlife recovery. In most cases, equipment that is considered 'consumable' should not be listed on the WRRL. For example; pads, kitty litter, and sorbent boom should not be listed. The only exception to this is listing specific trailers or warehouses where absorbents are stockpiled. It is also not necessary to list things like anchors or tow bridles. All of the equipment should fit into one of the Kind / Type designations listed below. Response equipment can be listed in any order.

Listing equipment that is not available to everyone during a spill

In the WRRL there is a box that can be checked indicating a piece of equipment is not available to others in the event of a spill. However, because the WRRL is used in a variety of different ways (not only for ordering equipment during spills) it is important that all equipment be listed on the WRRL.

Kind and Type

Response organizations in the Northwest have agreed on "kind and type" labels for response equipment based on capabilities, size, and use. Resource typing provides managers with additional information when selecting the best resource for the task. All equipment found on the WRRL is categorized by these designations. Specific "Resource" categories have been identified and within these categories equipment is identified by "Kind". Each "Kind" is broken down into "Type" and refers to a resources capability. For example, a Type 1 resource provides a greater overall capability due to power, size, capacity, etc., than a Type 2 resource.

Listing equipment that is stored together

In certain situations different types of equipment are co-located together either on or in another piece of equipment. For example a response trailer might contain boom, a portable skimmer, and a pump. Or a workboat might have boom and a portable skimmer stored on board. This can present problems when ordering equipment as someone might think they are just ordering boom and while they did order the boom they are also getting everything else that is stored in the trailer. In order to show how equipment is stored there is a field for a "Group WRRL ID" number. This number is used to identify where a piece of equipment is stored. In our above example in addition to having a unique WRRL ID assigned to the boom, skimmer, and pump you would enter the ID of the trailer in which they are stored in the "Group WRRL ID" field.

Oil Spill Response Vessels (OSRV)

An OSRV is a vessel that has both storage and a skimmer built into or attached to the vessel. In many cases boom is also integral to this system. For these vessels there should be a single entry that describes the OSRVs recovery, storage, and boom. If there are other skimmers or boom that are staged on the vessel but not integral to the system they should have their own WRRL ID. Typing for OSRV's is based on the length of the vessel. In the description field the vessel length should be listed first, followed by the engine horsepower, and then any additional information.

Downloading the Data

Anyone can access equipment data in the WRRL. If someone does not have a user account they may log in as a "guest" and download the information in a variety of formats.

The following Resource and Kind designations are listed on the WRRL:

- Aircraft *(Resource)*
  - Fixed Wing *(Kind)*
  - Helo
- Boom
- Dispersant
  - Dispersant (Type of Dispersant)
  - Application System (Tank Capacity and application rate)
  - Monitoring (Aerial or Water based)
- Equipment
  - Communication
  - Dump Truck
  - Pumps
  - Generators/Misc
  - Vehicles
- Oil Spill Response Vessel
- Remote Sensing
- Salvage
  - Diving
  - Cutting
  - Hauling
- Shoreline
  - Trailer
  - Absorbents (stockpile locations)
  - Hand Crew
- Skiff
- Skimmer Portable
- Storage
  - Portable
  - Tank Trailer or Truck
  - Tank Vessel (Barge)
  - Vac Truck
- Vessel
  - Deck Barge
  - Crane Barge
  - Tug
  - Workboat
  - Landing Craft
- Wildlife
  - Stabilization
  - Rehabilitation
  - Deterrence

In the tables below are the Kind / Type designations used that have been agreed on by the response community in the Northwest.

Resource: **Aircraft**

Kind	Type	Kind/Type	Example	Specification	Description
A	O	**AO**	Cessna, Pilatus, Beech	Fixed wing for overflights/logistics/dispersant	Any fixed-wing aircraft used for overflights, logistics, etc.
H	1	**H1**	Bell 214, Puma, Sikorsky	16 seats incl. pilot	Cargo Capacity - 5000 lbs.
H	2	**H2**	Bell 212, HH-60	8 seats incl. pilot	Cargo Capacity - 1500 lbs.
H	3	**H3**	Bell 206, Hughes 500, HH-65	5 seats incl. pilot	Cargo Capacity - 750 lbs.
H	4	**H4**	Bell 47, Allouette II	2 seats incl. pilot	Cargo Capacity - 750 lbs.

Resource: **Boom**

Kind	Type	Kind/Type	Example	Specification	Description
B	1	**B1**	Oil Stop Offshore	height > =42"	
B	2	**B2**	Sea Curtain 41"	height >=18", < 42"	
B	3	**B3**	Kepner 8 x 12	height < 18"	
B	Fire	**BFire**	PyroBoom 30”	fire boom of any height	

Resource: **Dispersant**

Kind	Type	Kind/Type	Example	Specification	Description
D	0	**D0**	Corexit 9500	Dispersant	Chemical Dispersant
DD	1	**DD1**	MSRC C-130 sprayer system	Air delivery >1000 gal.	Dispersant Air Application System
DD	2	**DD2**	MSRC King Air sprayer system	Air delivery<1000 gal.	Dispersant Air Application System
DD	3	**DD3**	Ayles Fernie Spray Arm System	On-water delivery, any capacity	Dispersant On-Water Delivery System
DM	1	**DM1**	SATLOC	Dispersant Monitoring Air Based	Equipment used to track dispersant application from the air
DM	2	**DM2**	flourometer	Dispersant Monitoring Water Based	Equipment used to monitor dispersants from the water

Resource: **Equipment**

Kind	Type	Kind/Type	Example	Specification	Description
COM		**COM**	Portable Internet Access, hand radios, etc.	any communication equipment	not typed
DT	O	**DTO**	8 yard Dump Truck	Dump Truck	not typed
P	TP	**PTP**		All pumps	Not typed
SR	O	**SRO**		Generators, lighting, any misc. equipment	Not typed
VH	O	**VHO**		ATV, Truck, Trailer, etc.	Not Typed

Resource: **Oil Spill Response Vessel**

Kind	Type	Kind/Type	Example	Specification	Description
OSRV	1	**OSRV1**	NRC Columbia	>= 100'	First part of description should be the length of the vessel, followed by the horsepower, then any other information.
OSRV	2	**OSRV2**	MSRC Western Gull	>=50', <100'	First part of description should be the length of the vessel, followed by the horsepower, then any other information.
OSRV	3	**OSRV3**	CRC MFSA1	>=30', <50'	First part of description should be the length of the vessel, followed by the horsepower, then any other information.
OSRV	4	**OSRV4**	MSRC Peregrine	<30' (generally trailerable)	First part of description should be the length of the vessel, followed by the horsepower, then any other information.

Resource: **Remote Sensing**

Kind	Type	Kind/Type	Example	Specification	Description
RS		**RS**	Remote Sensing	Remote Sensing	Typical components: SLAR, IR, UV, image data recorders, video & large format aerial photo cameras, data downlink, etc.

Resource: **Salvage**

Kind	Type	Kind/Type	Example	Specification	Description
DI	O	**DIO**	Mobile diving unit	Any diving equipment	Non typed
CU	O	**CUO**	Underwater cutting/welding equipment	Any cutting equipment	Not typed
HA	O	**HAO**		Any hauling equipment	Not typed

Resource: **Shoreline**

Kind	Type	Kind/Type	Example	Specification	Description
TR	O	**TRO**	Shoreline Trailer	Supports xx personnel	Describe how many workers the trailer will support
AB	O	**ABO**	Warehouse	Absorbent stockpile location	Describe approximate amount of material usually on hand
HC	1	**HC1**		40 hr. training	HAZWOPER training under 49CFR1910.120
HC	2	**HC2**		24 hr. training	HAZWOPER training under 49CFR1910.120
HC	3	**HC3**		4 hr. training	HAZWOPER training under 49CFR1910.120
HC	4	**HC4**		No training	

Resource: **Skimmer Portable**

Kind	Type	Kind/Type	Example	Specification	Description
SK	1	**SK1**	Douglas Skim-Pak-93, DIP-2900	> 9,600 bpd	Portable Skimmer
SK	2	**SK2**	Kepner SeaVac-660, RoDisc 15	>=2,880, < 9,600 bpd	Portable Skimmer
SK	3	**SK3**	Walosep WM, Slickbar SLURP, Lori	>=480, < 2,880 bpd	Portable Skimmer
SK	4	**SK4**	VAB Foxtail Rope Skimmer, Aquaguard	<480 bpd	Portable Skimmer

Resource: **Skiff**

Kind	Type	Kind/Type	Example	Specification	Description
SKF		**SKF**	Lund Skiff	Skiff of any length	Should include length and engine HP if present

Resource: **Storage**

Kind	Type	Kind/Type	Example	Specification	Description
PS	1	**PS1**	Storage Bladder	>=2000 bbls	Portable storage
PS	2	**PS2**	Storage Bladder	>= 500, < 2000 bbls	Portable storage
PS	3	**PS3**	Baker Tank	>= 200, < 500 bbls	Portable storage
PS	4	**PS4**	8.5 bbl Poly Tank	< 200 bbls	Portable storage
TT	1	**TT1**	Proco Tank Trailer	>=120 bbl	Tank Trailer
TT	2	**TT2**		>=70, <120 bbl	Tank Trailer/Truck
TT	3	**TT3**	Storage Tanker	< 70 bbl	Tank Trailer/Truck
TB	1	**TB1**	Foss Tank Barge FDH26-1	> =50,000 bbl	Tank Vessel/Barge
TB	2	**TB2**		>=10,000, <50,000 bbl	Tank Vessel/Barge
TB	3	**TB3**	Shallow Water Barge	>=1,000, < 10,000 bbl	Tank Vessel/Barge
TB	4	**TB4**	Portable Barge	<1000 bbl	Tank Vessel/Barge
VT	1	**VT1**	Sewer Jet/Vac Truck	>=120 bbl	Vac Truck
VT	2	**VT2**	Liquid Vac Truck	>=70, > 120 bbl	Vac Truck
VT	3	**VT3**		< 70 bbl	Vac Truck

Resource: **Vessel**

Kind	Type	Kind/Type	Example	Specification	Description
TUG	1	**TUG1**	Lindsey Foss, Garth Foss	>=6,000 HP	Tugboat
TUG	2	**TUG2**	Iver Foss	>=1,500, < 6,000 HP	Tugboat
TUG	3	**TUG3**	Peggy Foss	< 1,500 HP	Tugboat
DB	O	**DBO**		All deck barges	Deck barge
CB	O	**CBO**		All crane barges	Crane barge
WB	1	**WB1**	USCG Henry Blake	>=100’	Workboat, should include the engine HP
WB	2	**WB2**		>=50’, <100’	Workboat, should include the engine HP
WB	3	**WB3**	NRCES FRV	>=30’, <50’	Workboat, should include the engine HP
WB	4	**WB4**	19’ Sea Ark Marine	<30’	Workboat, should include the engine HP
LC	1	**LC1**		>= 100'	Landing Craft, should include the engine HP
LC	2	**LC2**		>=50', <100'	Landing Craft, should include the engine HP
LC	3	**LC3**		>=30'	Landing Craft, should include the engine HP

Resource: **Wildlife**

Kind	Type	Kind/Type	Example	Specification	Description
WR	O	**WRO**		Wildlife Response Equipment	
WD	O	**WDO**		Deterrence Equipment	

General Information

Organization – This is the abbreviation for your company that will be used for all of your equipment. Your abbreviation, WRRL account name and password will be given to you when you subscribe to the WRRL.

WRRL ID – This unique number is assigned automatically when you enter a new piece of equipment.

Group WRRL ID - This is used to identify if a piece of equipment is staged on another piece of equipment. For example if you are entering information for boom, and the boom is staged on a vessel, you would enter the WRRL ID of the vessel in this location.

Kind /Type – see Kind/Type tables above

Identification – Equipment identifier, examples include vessel names and trailer numbers.
If boom is stored on a vessel the boom identification should be: Vessel Name, boom.

Specifications – Specification refer to the size, brand, or model of the equipment listed. Where applicable also indicate the age of the equipment and the type and size of engine (horsepower).

Recovery BPD EDRC – EDRC is designated by Federal and State agencies. Unless an alternate EDRC has been approved for a specific piece of equipment by the US Coast Guard or State agency then the EDRC will be 20% of the skimmer's Name Plate Capacity. Number is in barrels per day.

Liquid Storage bbls – total storage capacity of resource in barrels.

Boom Length – total length of boom (in feet).

People – # of people needed to run that piece of equipment for a 12 hour shift.

Home Base – town, city, or place name where the equipment is staged.

State – State (abbreviation) where equipment is stored, example "Washington" (WA) or "Oregon" (OR).

Staging (How Stored) – how or where is the equipment stored; Trailer #, warehouse name, vessel name, address, in-water, etc.

Planning Fields

Owner's Equipment ID or # - any subscriber assigned tracking or ID number.

Owner Contact Name –contact information for owner or person in charge of the equipment.

Contact Phone Number – phone number of previous person.

Latitude (Dec.deg w/o N) – Latitude of storage location Ex: 46.181756, do not include 'N'

Longitude (Dec.deg w/o W) – Longitude of storage location Ex: -123.174044 do not include 'W', but do include "-".

Not Usually Available – is this a resource that is not generally available for spill response or not in working condition? If so, enter the information in this box.

Name Plate Capacity – the name plate capacity for skimmers and pumps.

CPLAN Info – These fields are used by the Washington State Department of Ecology for contingency planning purposes. Washington State contingency plan holders and Primary Response Contractors are asked to populate these fields.

Dedicated Mode of Transportation (Vessel/Vehicle/Blank) –Indicate how the equipment usually travels, by vehicle (road) or vessel (water). This description does not bind you to use a specific resource for transport. It is used for calculating the travel time to planning standard areas. The information will also be used to determine if the resources needed to transport equipment are available. For example are there enough trucks to pull the boom trailers, etc.

Vehicle/Vessel Speed (MPH/Knots) - Standard travel times are 5 knots over water, 35 mph, or 100 knots by air. A plan holder or PRC can apply for alternate travel times. If alternate times are approved that time should be indicated here.

Vessels needed for boom deployment (number) – Indicate how many vessels will be needed to deploy the boom. The list will be used to determine if the resources needed to deploy the boom are available.

Additional Equipment Deployment Resources (crane, winches, boom reel) – List any additional resources needed to deploy the boom. For example a crane or winch may be needed to deploy boom or a skimmer.

Vessels needed for enhanced skimming (number) – List the number of vessels will be needed to perform enhanced skimming.

VOSS (yes/no) - is this a Vessel of Opportunity Skimming System? Yes or No

Offloading Equipment Needed (pump & capacity) – List the type of pump and capacity needed to remove product from the vessel or barge.

Skimmers Product Type- Indicate the type of oil a skimmer is designed to be used for. If the skimmer is designed to be used for multiple product types please indicate each type.

Picture- Pictures of equipment are encouraged and can be sent to Genwest who will upload them to the database.

Examples of how to enter particular pieces of equipment can be found at the Department of Ecology website at www.ecy.wa.gov/programs/spills/preparedness/wrrl/wrrl.htm