Waste Management

Plan

INCIDENT NAME:

DATE/TIME:

SUBMITTED BY: EUL Initials: \_\_\_\_ \_

APPROVED BY:

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| RPIC: | X |
| FOSC: | X |
| SOSC: | X |
| LOSC: | X |

**NO WASTE SHALL LEAVE SPILL SITE UNTIL RELEASED BY CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-OFFICE OF SPILL PREVENTION AND RESPONSE (CDFW-OSPR).**

**INTRODUCTION / OBJECTIVE**

The responsible party will recycle or dispose of all spill-related wastes generated as a result of this incident. The waste will be managed in an environmentally sound manner pursuant to applicable laws and regulations and disposed of in a timely manner. Transportation and disposal will be facilitated following proper segregation, storage and quantification as required.

Following the 2014 USCG Incident Management Handbook regarding oil spills (chapter 20 page 15 and 31), within the Operations Section the Disposal Group is responsible for on-site activities related to the collection, storage, transportation, and disposal of waste materials. Technical Specialists within the Environmental Unit coordinate with the Disposal Group to manage, track, sample, and quantify generated wastes.  Depending on the size or complexity of this spill, a Waste Management Strike Team (WMST) or other positions may be used to better accomplish these tasks.

A Waste Management Strike Team may consist of a technical specialist (CDFW-OSPR), a sampling crew, oil spill response organization (OSRO), environmental consultant and responsible party representative.

This Plan is written at the request of the Unified Command to identify waste management practices proposed for this incident.  The intent of managing the waste from this incident is to account for the petroleum product spilled and minimize further waste generation.

This Plan is a stand-alone plan for this incident. This Plan may be amended as necessary only upon mutual agreement of the Unified Command.

**WASTE STORAGE / SEGREGATION**

Contaminated waste shall be separated by waste stream type and location where the waste was recovered. Waste recovered from waters of the state or adjacent shorelines shall be stored separate from waste recovered elsewhere.

Any material that is generated or recovered that may be catagorized as hazardous waste, hazardous material, hazardous substance, radioactive, biohazard, or other regulated material shall be handled accordingly pursuant to applicable state,federal, and local laws and regulations.

**Liquids:** Liquids shall be held in secure suitable storage tanks that are clean and empty prior to use. Liquids recovered during flushing, pressure washing, steam cleaning, and during decontamination operations shall be kept separate from recovered free floating product.

**Solids:** Solids shall be stockpiled or placed into appropriate containers. Solids shall be segregated as follows: sorbents, debris, soil / sediments, vegetation, or PPE.

**Wildlife:** Deceased wildlife is considered a potential biohazard. Special care should be taken. Oiled wildlife shall be stored separately from other waste, in close coordination with the Wildlife Branch in the Operations Section.

**Municipal Waste:** Common trash, bottles, packaging, food containers, and similar debris generated in the response should be kept separate and disposed of in accordance with local municipal waste regulations.

**STORAGE CONTAINERS**

Containers shall be labeled as to the type of segregated contents, accumulation date and location where the waste was collected.

Liquid storage containers shall be: 55-gallon steel or polyethylene drums; 275-300 gallon steel or polyethylene totes; tanker trailers, 4,000-6,000 gallon polyethylene tanks or 20,000 gallon steel “Frac” or “Baker” style temporary storage tanks. Fixed facility or vessel tankage may also be used with approval by Unified Command. Liquid temporary storage areas should have secondary containment.

Solids shall be stored in 55-gallon steel or polyethylene drums; or in 10-20 cubic yard close top, plastic-lined roll-off bins. If large quantities of soil/sediment are anticipated, solid wastes may be stockpiled with approval by Unified Command. Stockpiles must be covered and contained to minimize fugitive emissions and effluent runoff.

**TEMPORARY STORAGE SITES**

Temporary storage sites may be co-located with staging areas. Parking lots and other locations near access points are well suited for the type of temporary storage that may be needed. Once a temporary storage site is located, certain site preparations should be considered to prevent additional impact to the environment. Sites should be level, contained and secure.

Sites are located at:



# REPORTING and PERMITS

The Operations Section should report estimated waste volumes to the Waste Management Technical Specialist and Situation Unit for each operational period. In more complex cases, the Waste Management Strike Team (WMST) will work closely with the Disposal Group to track and report generated wastes. Prior to disposal/recycling of waste materials samples will be collected for waste characterization and quantification purposes. Once samples are obtained, the CDFW-OSPR representative will issue an OSPR field report releasing waste for disposal.

Certain hazardous waste transportation and storage requirements may be temporarily waived during the emergency response phase of an incident. To ensure compliance, the Waste Management Technical Specialist should contact appropriate state and local agencies having waste management regulatory oversight. The Regional Contingency Plan and Area Contingency Plan provide detailed guidance and contact information.

**OIL WASTE QUANTIFICATION**

If required by CDFW-OSPR, quantification of recovered oil will be conducted in accordance with California Code of Regulations Title 14, Section 877-880. The Responsible Party and the CDFW-OSPR may agree to the amount of oil spilled and/or recovered. The amount of recovered oil can be determined by visual assessment concurred by CDFW-OSPR and the Responsible Party or by laboratory analysis of samples obtained in the presence of CDFW-OSPR and Responsible Party representatives.

A sampling and analysis plan, agreed upon by all parties, should be used in quantifying recovered oil. At a minimum, the sampling plan should include, the number of samples to be collected, the sampling methodology to be used, and the methods for quantifying recovered oil.

**WASTE CHARACTERIZATION**

Prior to waste transportation and disposal, the waste streams must be characterized in accordance with federal, state and local laws and regulations. It is the responsibility of the generator or Responsible Party to ensure that recovered oil, and/or oily materials are accurately classified as hazardous or non-hazardous for proper disposition.

**WASTE TRANSPORTATION**

Upon completion of quantification, the waste streams will be transported and disposed of in accordance with all applicable federal, state and local laws and regulations.

Wastes are only to be transported by permitted, licensed, qualified and approved transportation companies. Wastes that have been classified as Federal or State hazardous wastes require:

* The generator to obtain a temporary EPA Generator Identification Number;
* A transporter with an EPA Transporter Identification Number;
* A treatment, storage and disposal facility (TSDF) with an EPA Identification Number;
* The use of a Uniform Hazardous Waste Manifest as a shipping document;
* An authorized representative of the Generator to sign disposal documents.

**WASTE DISPOSAL**

Copies of all waste manifests or other shipping documents utilized for transportation and all records of disposal shall be provided to the Unified Command as proof of disposal.

When disposing of wastes, the Responsible Party will abide by all applicable federal, state, and local laws and regulations. Disposed oily material will be tracked to provide the Unified Command an accurate means of estimating total oil recovered.

**Potential Disposal Facilities**

| **TSDF Name & Address** | **Waste Streams Accepted** | **EPA ID Number** | **Contact Person Phone & Fax Number** |
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