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GoM Drilling, Completions and Interventions - MC252

Procedure for Obtaining Organism Samples

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1 Introduction

Procedure for Obtaining Organism Samples

This procedure outlines the steps that will be used to collect organism samples from the MC252 site, prepare samples for shipment. USCG and NOAA, as well as other interested parties, will be invited to collect samples and to observe the sampling procedure.

2 Objective

The purpose of the document is to define the process for collecting, preserving, documenting, and shipping representative samples of organisms.

2.1 Materials List

Personal Protective Equipment (PPE)

- Chemical resistant gloves
- Protective clothing such as chemical apron or tyvek suit.
- Safety glasses with side shields or safety goggles.
- Face shield.
- Hard hat.
- Steel toe shoes.
- Any additional PPE as required per vessel management and/or JSA.
- If required, overnight personal items: medication, etc.

Sample Materials, Equipment, Tools

- Three Sample containers compatible with ethyl or methyl alcohol.
- Sample container labels.
- Waterproof Sharpie pen.
- Bucket or fine mesh net.
- Ethyl alcohol (preferably 70% ethyl alcohol or stronger).
- Digital camera.
- Chain-of-Custody documents for each laboratory for each ice chest.
- Dry cleaning cloth or towel
- ICS-214 Responder Logbook and pen
- Bubble wrap or protective materials for glass sample containers.
- Ice or refrigerator capable of maintaining 4°C ±2°C.

3 Sample Collection Procedure

See Procedure "Deepwater Horizon Spill Response Sample Management Program, Houma IMT" for additional requirements (for example use of Global Positioning Satellite units and chain of custody forms).

1) Each of the below steps including all PPE, sample materials, equipment, and tools shall be documented by the sample collector using the ICS-214 Responder Logbook. Documentation includes sample locations, times, dates, procedures followed during sampling, names and organization of all representatives witnessing sampling and any other observations in the ICS-214 Responder Logbook.

2) Entrix or other properly trained sampling personnel will perform the sample collection. A JSA will be performed prior to sample collection.

3) Wear appropriate PPE (Personal Protective Equipment) identified in Section 2 and/or the Joint Job Safety Analysis / Risk Analysis between sampling personnel and vessel management.

4) Prior to collection, complete the sample labels using a permanent marker and place the sample labels on each container. Put a duplicate sample label completed in pencil inside the container. At a minimum, legibly write the sample name, date, sample time, analysis, and sample collector's name on the label.

Sampling Intent: To collect representative samples of floating organisms at or near the MC252 site. Throughout this procedure, sample collectors must keep personal safety paramount. Second, sample collectors must use their best professional judgment to collect representative samples.

5) Collect Sample:
The sample collector will work with the vessel crew to determine a safe collection method that will yield a representative sample. Samples will be taken with using a bucket or a fine mesh net and then placed in the three sample containers that contain the ethyl alcohol. If ethyl alcohol is not available, place the sample in the sample containers and store them on ice in a cooler until they can be frozen. The sample collector shall document on the ICS-214 Responder Logbook that these samples are of unknown floating organisms. If in the opinion of the qualified and knowledgeable sample collector that no representative sample exists then he/she **should nevertheless collect the samples and document their concerns and immediately call the Houston EUL (see list of contacts) for further instructions.**

6) Place the lid firmly and securely on each container. Wipe any excess sample from outside of sample container using dry cloth or towel. Properly dispose of dry cloths or towels. Allow the Coast Guard, NOAA, or other interested party representative to affix an official seal to each sample container, if required. If possible, place the sample containers in an ice chest. If ethanol is not available, place the containers holding the

samples in a deep freezer as soon as possible. If the containers contain samples in ethyl alcohol and are too large to keep in an ice chest, then as soon as possible, place the samples in a temperature controlled laboratory refrigerated cooler that is capable of maintaining 4°C ±2°C.

7) Fully complete and sign the Chain-of-Custody document in ink (See Procedure "Deepwater Horizon Spill Response Sample Management Program, Houma IMT"). Have the Coast Guard, NOAA representative, or other interested party, if present, witness completion of the form. The Chain-of-Custody shall be completely filled in. "N/A" or "unknown" shall be placed on the Chain-of-Custody when data/information is unknown.

8) The Chain-of-Custody shall indicate that analytical results are to be sent to the BP Environment Unit Leader (EUL), Unified Area Command, in New Orleans, La and the EUL Houston IMT, and the BP Waste Coordinator in Houma, La.

9) Prepare the samples for transportation by placing bubble wrap or protective material around each container. Have the Coast Guard, NOAA or other interested parties witness, if present, the samples being packed. If ice chest are used then place a copy of the Chain-of-Custody along with the Ethyl Alcohol MSDS in a Ziploc bag and then tape the bag to the outside of each ice chest securely. If ice chests are not used then place the containers back into their original packaging for safe return shipping.

10) If present, the Coast Guard, NOAA, or other interested party representative(s) should place official seal/signature on ice chest or paperwork following completion of sampling activities.

4 Logistics Procedure

4.1. The Houston Environmental Unit Team (EUT) receives a sampling request. Dennis Beckman and/or Mike Green, and the Houston EUT will work together to complete the Analytical Request Form ("ARF" see attached) for each sample requested activity and will then email this information to the Entrix sample coordinator or other approved sample collector. The ARF Form will specify the analytical tests being requested. For immediate sampling needs, the Incident Commander (IC) may elect to wave this requirement to use Entrix's sampling services.

4.2. EUT Houston contacts USCG or other interested parties to invite them to observe the sampling event.

4.3. Environmental Standards Sample Coordinator contacts Test America Field Service Center in Houma, who will prepare the appropriate field sample kits, and hand them over to the Entrix or approved sampling personnel. The Environmental Standards Sample Coordinator will inform the Houston EUT the size and number of sample containers, the size, weight, and number of sample coolers will be required, if any. If Test America can not supply the required sample containers identified and/or the ARF then BP may order or obtain sample containers as needed.

4.4. Houston EUT will work with the Houston Logistics Team to handle any needed logistical support.

4.5. The Entrix or approved sampling personnel will travel to the MC252 site and will execute the sampling event as stated in the above procedure and the ARF Form.

4.6 The Entrix or the approved sampling personnel will retain two BP samples with Test America Inc and transfer one sample and all required documentation to LSU's Dr. Mark Benfield at the Houma heliport. Dr. Benfield or one of his staff will meet to receive and can be reached at 225-266-8867.Test America Field Office, Houma.

4.6. Test America will properly refrigerate at 4°C ±2°C, store, secure, and retain all samples as required by Standard Methods, EPA, or other method approved requirements until instructed by Dennis Beckmann and/or Mike Green.

5 Contact Information:

Company	Location	Name	Function	Mobile	Email
BP	Houston-IMT	Trent Enzsol	Environmental Unit Lead	(403) 771-6112	trent.enzsol@bp.com
BP	Houston-IMT	Kevin Sprague	Environmental Unit Lead	(281) 253-8148	kevin.sprague@bp.com
BP	Houston-IMT	Joel Robins	Environmental Unit Lead	(713) 829-4903	joel.robins@bp.com
BP	Houston-IMT	Alistair Murdoch	Logistics	(713) 562-8908	alistair.murdoch@bp.com
BP	Houma-IMT	Dennis Beckmann	Laboratory Contact	(281) 796-0760	dennis.beckmann@bp.com
BP	Houma-IMT	Mike Green	Laboratory Contact	(630) 842-5405	mike.green2@bp.com
BP	Robert, LA IMT	Lawrence Malnor	Environmental Unit Lead	(832) 659-9764	lawrence.malnor@bp.com
BP	Robert, LA IMT	Steve Aldrich	Environmental Unit Lead	(843) 991-6883	steve.aldrich@bp.com
BP	Houma, LA	Tracy Dyer	Waste Coordinator	(281) 731-1821	dryertk@bp.com
BP	Houma, LA	Joyce Miley	NRDA Specialist	(281) 725-0584	joyce.miley@bp.com
Environmental Standards		Rock J. Vitale	QA Chemistry	(610) 304-9972	rvitale@envstd.com
Environmental Standards		Ruth Forman	QA Chemistry	(610) 304-9973	rforman@envstd.com
Environmental Standards		Dennis Callaghan	Data Management	(610) 304-997	dcallaghan@envstd.com
Environmental Standards		Dan Claycomb	Sample Coordinator	(610) 304-9974	dclaycomb@envstd.com
Environmental Standards		David Thal	QA Chemistry	(865) 548-7631	dthal@envstd.com
Entrix		Barry Gillespie	Primary Contact	(713) 775-4505	BGillespie@entrix.com
Test America		Tim Knollmeyer		(413) 441-3529	Tim.Knollmeyer@testamericainc.com

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