

**UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO OCS REGION**

NTL No. 2002-G08

Effective Date: August 29, 2002

**NOTICE TO LESSEES AND OPERATORS OF FEDERAL OIL, GAS, AND SULPHUR
LEASES IN THE OUTER CONTINENTAL SHELF, GULF OF MEXICO OCS REGION**

**Information Requirements for Exploration Plans and
Development Operations Coordination Documents**

This Notice to Lessees and Operators (NTL) supersedes NTL No. 2000-G21, issued on December 26, 2000. The table below summarizes the changes. The purpose of this NTL is to provide guidance on preparing EP's and DOCD's that are required by *current* 30 CFR 250, Subpart B regulations. (Although this NTL becomes effective on August 29, 2002, we will continue to accept EP's and DOCD's prepared according to the guidance in NTL No. 2000-G21 until November 29, 2002.)

Please note that the Minerals Management Service (MMS) published a Notice of Proposed Rulemaking (NPR) to restructure and revise the current Subpart B regulations (May 17, 2002, FR 35372-35396). In connection with the proposed rulemaking, the MMS GOMR developed a draft companion NTL to provide guidance on the proposed regulations. The draft NTL is posted with the NPR on the MMS Internet website at <http://www.mms.gov/federalregister/2002.htm> for review, and we welcome your comments on both documents.

NTL Part	Description of Change
Proprietary Information	New section outlining what information covered in this NTL is considered proprietary. When applicable, each Appendix now also identifies the proprietary information described in that Appendix.
General Requirements for EP's and DOCD's	Clarifies reasons for revising OCS plans; adds thresholds when possible; and deletes two reasons previously included in NTL No. 2000-G21. Discusses how OCS plans may now be submitted on CD-ROM, and recommends at least one proprietary and one public information copy be submitted in this format.

Appendix A	Amends guidelines on Location to make it clear that you should give either anchor locations or anchor radius for construction barges or semisubmersible drilling rigs in Item (B).
Appendix B	For DOCD's: Deletes discussion of "Socioeconomic Information" (paragraph (H) in NTL No. 2000-G21). Clarifies the guidelines for submitting information on "Related OCS facilities and operations" and "Transportation information."
Appendix C	Under Geological and Geophysical Information for both EP's and DOCD's: Paragraph (C) – Removes the phrase "... corresponding to each seismic line submitted in paragraph (B) of this section..." Paragraph (E) – Adds "non-proprietary shallow hazards assessment for plans that require Coastal Zone Management consistency." Paragraph (F) – Reduces copies of the "two closest high-resolution survey lines" to a copy of "one high-resolution survey line." Under Hydrogen Sulfide (H ₂ S) Information for both EP's and DOCD's: Paragraph (B) – Provides for an alternative statement if an H ₂ S Contingency Plan has not been previously submitted to MMS and approved.
Appendix D	New section on "Remotely Operated Vehicle (ROV) Surveys" references NTL No. 2001-G04 for guidance on providing information concerning ROV surveys.
Appendix E	Clarifies when to provide "wastes and discharges information" and provides website address for a suggested format and examples.
Appendix F	Expands quick reference table for "Oil Spill Information" to display what information in this section has been identified by the States to ensure completeness under the CZMA. Explains that MMS Gulf of Mexico OCS Region (GOMR) will now consider accepting sub-regional OSRP's prepared specifically for the Eastern Planning Area. Deletes discussion of "chemical products" (paragraph 11 in NTL No. 2000-G21).
Appendix G	Clarifies guidelines on how to present air quality information when you propose activities on an existing facility.
Appendix H	Makes changes to the guidelines for providing environmental impact information and references a worksheet to help you analyze environmental impacts from your proposed activities.
Appendix I	Clarifies information needs for compliance with the Coastal Zone Management Act.
Appendix J	Adds the address on the MMS Internet website where Form MMS-0137, the Plan Information Form, can be downloaded.

Proprietary Information

Information required under Subpart B of 30 CFR 250 informs MMS, the States, and the public of planned exploration, development, and production operations. Sections 30 CFR 250.196(a) and

(b) specify the data and information that must be made available to the public without the consent of the lessee and under what circumstances and time period. Pursuant to 43 CFR 2.13(c)(9), we have determined that the following information you submit with an EP or DOCD may be considered proprietary. If you omit required information that is not proprietary from the Public Information copy of an EP or DOCD, the MMS GOMR will not deem the plan submitted. All information furnished as part of an EP and DOCD, except that identified below as being proprietary, will be made available to the affected States and the public in the Public Information copy of the plan.

Appendix	Item	Justification
Appendix A	EP and DOCD Item (A) – Discussion of the geological objectives (including a brief description of the hydrocarbon trapping elements) EP and DOCD Item (B) – BHL, TVD, MD information	Geological Information
Appendix B	DOCD Item (C) – Production rates and life of reserves	Geological Information
Appendix C	All items under <u>Geological and Geophysical Information</u>	Geological and Geophysical Information
Appendix D	None	N/A
Appendix E	None	N/A
Appendix F	None	N/A
Appendix G	None	N/A
Appendix H	None	N/A
Appendix I	None	N/A
Appendix J	BHL, TVD, MD information	Geological Information

General Requirements for EP's and DOCD's

Before you conduct any exploration activities on an OCS lease or unit, MMS regulations require you to submit, and the MMS must approve, an EP that covers those activities. Before you conduct any development and production activities on an OCS lease or unit in the western Gulf of Mexico, MMS regulations require you to submit, and the MMS must approve, a DOCD that covers those activities. Before you conduct any development and production activities on a lease or unit in any OCS area in the eastern Gulf of Mexico, MMS regulations require you to submit, and the MMS must approve, a Development and Production Plan (DPP) that covers those activities. The MMS GOMR will provide guidelines for DPP's at a future date.

In addition to Initial EP's and DOCD's (which are defined as the first OCS plans to be submitted after the lease is awarded), the MMS GOMR has determined that there are three types of revisions to EP's and DOCD's:

A **Revised Plan**, a revision to an approved OCS plan, proposes *changes* such as those in the location of a well or platform, type of drilling unit, or location of the onshore support base.

A **Supplemental Plan**, a revision to an approved OCS plan, proposes the *addition* of an activity that requires a permit.

An **Amended Plan**, any revision to a pending OCS plan.

Each of these types of OCS plans needs contain only that information related to or affected by the proposed revision. However, make sure the description of the proposed revision is complete and includes the rationale for the proposed changes as they relate to the approved or pending OCS plan. It would also be helpful if you would reference in the revised OCS plan the approval date or MMS control number, if known, of the approved OCS plan you are revising.

In the MMS GOMR, revise your approved EP or DOCD when you

1. Change the type of drilling rig (e.g., jack-up, platform rig, barge, submersible, semisubmersible, or drillship), production facility (e.g., caisson, fixed platform with piles, tension-leg platform, etc.), or transportation mode (e.g., pipeline, barge) you will use to carry out the activities under your approved plan.
2. Change the surface location of a well (or associated anchor) by more than 100 feet in water depths less than 400 meters, or by more than 500 feet in water depths 400 meters or greater.
3. Increase the emissions of an air pollutant to an amount greater than that in your approved plan.
4. Request a new hydrogen sulfide (H₂S) area classification or encounter a concentration of H₂S greater than 500 parts per million (ppm).
5. Propose to change the location of your onshore support base from one State to another.
6. Propose to conduct activities requiring an MMS permit (e.g., drilling a well or installing a facility) when more than 10 years have elapsed since the approval date of the most recent permit for an activity covered under the plan.
7. Change the approved anchor array pattern associated with your activities or increase the anchor radius by more than 500 feet if the MMS GOMR did not approve a specific anchor pattern.

Supplement your approved EP or DOCD when you propose to conduct activities on the lease(s) or unit that require permits and are not covered by your approved EP or DOCD.

Copies of EP's and DOCD's

To expedite the review and coordination of your EP's and DOCD's, the MMS GOMR recommends that you submit the following number of copies for both EP's and DOCD's:

1. Initial and Supplemental OCS Plans that describe activities on leases and unit areas on the OCS that affect the State of Florida (22 copies: 5 Proprietary and 17 Public Information).
2. Initial and Supplemental OCS Plans that describe activities on leases and unit areas on the OCS that affect the State of Alabama (10 copies: 5 Proprietary and 5 Public Information).
3. Initial and Supplemental OCS Plans that describe activities on leases and unit areas on the OCS that affect both the States of Mississippi and Louisiana (11 copies: 5 Proprietary and 6 Public Information).
4. Initial and Supplemental OCS Plans that describe activities on leases and unit areas on the OCS that affect both the States of Mississippi and Louisiana and that are exempted from Coastal Zone Management (CZM) certification requirements (9 copies: 5 Proprietary and 4 Public Information).
5. Initial and Supplemental OCS Plans that describe activities on leases and unit areas on the OCS that affect only the State of Louisiana (9 copies: 5 Proprietary and 4 Public Information).
6. Supplemental OCS Plans that describe activities on leases and unit areas on the OCS that affect only the State of Louisiana and that are exempted from CZM certification requirements (8 copies: 5 Proprietary and 3 Public Information).
7. Initial and Supplemental OCS Plans that describe activities on leases and unit areas on the OCS adjacent to the State of Texas (9 copies: 5 Proprietary and 4 Public Information).
8. Supplemental OCS Plans that describe activities on leases and unit areas on the OCS adjacent to the State of Texas and that are exempted from CZM certification requirements (8 copies: 5 Proprietary and 3 Public Information).

The MMS GOMR recommends that you submit 7 copies (5 Proprietary and 2 Public Information) for all revised and amended plans.

If you so choose, you may submit the copies above on separate CD-ROM's. (However, submit at least one Proprietary copy on paper.) In order to expedite our review, the MMS GOMR recommends that you submit at least one Proprietary and one Public Information copy as separate CD-ROM's. Please ensure that all files are in portable document format (PDF) or other acceptable format.

Timely Submission of EP's and DOCD's

The OCS Lands Act requires the MMS GOMR to review, analyze, and take final regulatory action on EP's and DOCD's within a relatively short period of time after their receipt. In addition, when requested, the MMS GOMR attempts to accomplish these tasks in even shorter periods to accommodate your drilling, platform installation, or pipeline construction schedules,

or for other reasons. This expediting sometimes causes disruptions in the normal review and analysis process and makes it extremely difficult to meet the mandated deadlines for other OCS plans that have been submitted timely. Therefore, we seek your cooperation in ensuring that you submit all OCS plans and permit applications to the MMS GOMR sufficiently in advance to provide the MMS GOMR with the maximum review time possible.

Information Requirements for EP's and DOCD's

The information requirements for OCS plans are specified in 30 CFR 250.203(a) and (b) for EP's and 30 CFR 250.204(a) and (b) for DOCD's. According to 30 CFR 250.203(b)(21) and 30 CFR 250.204(b)(17), the MMS GOMR may require data and information to be included in EP's and DOCD's in addition to that specified by the regulations. Conversely, 30 CFR 250.203(d) and 30 CFR 250.204(e) allow the MMS Regional Director to limit the amount of information to be included in EP's and DOCD's to that necessary to comply with the OCS Lands Act, as amended; other laws; applicable regulations; and lease provisions.

The President's National Energy Policy (May 2001) directs Federal agencies to streamline and expedite permitting processes. In line with this Policy, you no longer need to provide broad regional-scale environmental descriptive information that is readily available in the extensive information and analyses contained in the latest MMS EIS's (e.g., Sale 181 for the Eastern Planning Area), as well as the numerous historical and recently completed Environmental Studies. However, under MMS regulations, you must provide site-specific environmental information, such as water depth and seafloor morphology, as a matter of routine and identify any site-specific environmental impacts, such as onshore construction, that would result from conducting the activities proposed in the plan.

Under this authority, the MMS GOMR has developed Appendices A through J of this NTL as guidelines for preparing your EP's and DOCD's in the Gulf of Mexico. You should consider these Appendices as guidance documents. These appendices are:

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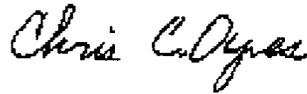
In preparing your EP or DOCD, you may reference information and data discussed in other documents previously submitted or otherwise readily available to the MMS GOMR and other reviewers.

Paperwork Reduction Act of 1995 Statement

The information collection referred to in this NTL is intended to provide clarification, description, or interpretation of requirements contained in 30 CFR part 250, Subpart B. The Office of Management and Budget (OMB) has approved the information collection requirements in these regulations and associated forms under OMB control number 1010-0049. In addition, the NTL refers to information collection requirements in 30 CFR 250, subpart C (1010-0057) and subpart D (1010-0053); 30 CFR 254 (1010-0091); and 30 CFR 256 (1010-0006). OMB has approved the information collection requirements in these regulations and assigned the OMB control numbers indicated in parenthesis for each. This NTL does not impose any information collection requirements subject to the Paperwork Reduction Act of 1995.

Contact

Please contact the MMS GOMR Plans Section at (504) 736-2419 if you have any questions regarding this NTL.



Chris C. Oynes
Regional Director

APPENDIX A CONTENTS OF PLAN

The MMS GOMR has determined, pursuant to 43 CFR 2.13(c)(9), that the following items in this Appendix may be considered proprietary: Under Item (A) - discussion of the geological objectives (including a brief description of the hydrocarbon trapping elements), and under item (B) – BHL, TVD, and MD information.

Your EP should include:

- (A) Description, objectives, and schedule. A description, discussion of the geological objectives (including a brief description of the hydrocarbon trapping elements), and tentative schedule (from start to completion) of the exploration activities (e.g., drilling, well test flaring, installing a well protection structure, temporary well abandonment) you propose to undertake.
- (B) Location. A map showing the surface location(s) of your proposed wells and any associated anchors. Indicate water depths on the map. A table indicating the surface location (SL), bottom hole location (BHL), true vertical depth (TVD), measured depth (MD), and water depth for each proposed well. The table should also include the distance from the lease lines, the Lambert x-y coordinates, and the latitude and longitude. (The BHL's, TVD's, and MD's may be omitted from public information copies of the EP.) A separate table giving the Lambert x-y coordinates for any associated anchors, including those for semisubmersible drilling rigs. (If the exact locations of anchors are not known, you may provide a maximum anchor radius instead.)
- (C) Drilling unit. A description of the drilling unit and associated equipment you will use to conduct your proposed exploration activities, including a brief description of its important safety and pollution prevention features.

Your DOCD should include:

- (A) Description, objectives, and schedule. A description, discussion of the geological objectives, and tentative schedule (from start to completion) of the development and production activities (e.g., development drilling; well test flaring; installation of production platforms, satellite structures, subsea wellheads and manifolds, and lease term pipelines; and installation of production facilities and conduct of production operations) you propose to undertake.
- (B) Location. A map showing surface location(s) of your proposed wells and any associated anchors and your proposed facilities and, if applicable, any associated permanent anchors, and the area expected to be disturbed by any anchors during construction of the facility. Indicate water depths on the map. A table indicating the surface location (SL), bottom hole location (BHL), true vertical depth (TVD), measured depth (MD), and water depth for each proposed well and the surface location and water depth of each facility. The table should also include the distance from the lease lines, the Lambert x-y

coordinates, and the latitude and longitude. (The BHL's, TVD's, and MD's may be omitted from public information copies of the DOCD.) A separate table giving the Lambert x-y coordinates for any associated anchors, including those for semisubmersible drilling rigs and construction barges. (If the exact locations of anchors are not known, you may provide a maximum anchor radius instead.)

- (C) Drilling unit. A description of the drilling unit and associated equipment you will use to conduct any proposed development drilling, including a brief description of its important safety and pollution prevention features.
- (D) Production facilities. A description of the production platforms, satellite structures, subsea wellheads and manifolds, lease term pipelines, production facilities, umbilicals, and other facilities you will use to conduct your proposed development and production activities, including a brief description of their important safety and pollution prevention features.

APPENDIX B GENERAL INFORMATION

The MMS GOMR has determined, pursuant to 43 CFR 2.13(c)(9), that the following items in this Appendix may be considered proprietary: For DOCD's only, under Item (C) – Production rates and life of reserves.

Your EP should be accompanied by:

- (A) Contact. The name, address, e-mail address (if available), and telephone number of the person with whom the MMS GOMR and the affected State(s) can communicate about your EP.
- (B) New or unusual technology. A description and discussion of any new or unusual technology you will use to carry out your proposed exploration activities. In the public information copies of your EP, you may exclude any proprietary information from this description. In that case, include a brief discussion of the general subject matter of the omitted information. If you will not use any new or unusual technology to carry out your proposed exploration activities, include a statement so indicating.
- (C) Bonding information. A statement that the activities and facilities proposed in your EP are covered by an appropriate lease or area-wide surety bond or alternate security instrument according to 30 CFR 256, subpart I.
- (D) Onshore base and support vessels. A brief description of the onshore base you will use to support the exploration activities, including information as to whether the facilities at the base are existing, proposed, or are to be expanded; a brief description of support vessels you will use and information concerning their frequency of travel; and a map showing the lease relative to the shoreline and depicting proposed transportation routes and distance to shore in miles.
- (E) Lease stipulations. A description of the measures you took or will take to satisfy the conditions of lease stipulations related to your proposed exploration activities.

Your DOCD should be accompanied by:

- (A) Contact. The name, address, e-mail address (if available), and telephone number of the person with whom the MMS GOMR and the affected State(s) can communicate about your DOCD.
- (B) Project name. If applicable, the name of your development project.
- (C) Production rates and life of reserves. Estimates of the average and peak rates of production for each type of production and the life of the reservoir(s) you intend to produce.
- (D) New or unusual technology. A description and discussion of any new or unusual technology you will use to carry out your proposed development and production

activities. In the public information copies of your DOCD, you may exclude any proprietary information from this description. In that case, include a brief discussion of the general subject matter of the omitted information. If you will not use any new or unusual technology to carry out your proposed development and production activities, include a statement so indicating.

- (E) Bonding information. A statement that the activities and facilities proposed in your DOCD are covered by an appropriate lease or area-wide surety bond or alternate security instrument according to 30 CFR 256, subpart I.
- (F) Onshore base and support vessels. A brief description of the onshore base you will use to support the development and production activities, including information as to whether the facilities at the base are existing, proposed, or are to be expanded or undergo major modification; a brief description of support vessels you will use and information concerning their frequency of travel; and a map showing the lease relative to the shoreline and depicting proposed transportation routes and distance to shore in miles.
- (G) Lease stipulations. A description of the measures that you took or will take to satisfy the conditions of lease stipulations related to your proposed development and production activities.
- (H) Related OCS facilities and operations. A description including the location of any proposed or existing drilling units, production platforms, pipeline accessory platforms, host facilities, pipelines and associated umbilicals (including those that transport chemical products and produced water), or other facilities and operations located on the OCS (regardless of ownership) that directly relate to your proposed development or production activities. This description should include the size, length, proposed routes, product(s) being transported, maximum flow rates, and the shut-in time of any proposed pipelines.
- (I) Transportation information A discussion of the transportation system that will be used to transport your production to shore, including the routes of any new pipelines and a description and location of the primary onshore terminal (including any refineries, gas plants, and compressor stations that will be built or undergo expansion or major modification as the result of the activities proposed in your DOCD).

**APPENDIX C
GEOLOGICAL, GEOPHYSICAL, AND H₂S INFORMATION**

Geological and Geophysical Information

The MMS GOMR has determined, pursuant to 43 CFR 2.13(c)(9), that all of the items listed under Geological and Geophysical Information in this Appendix may be considered proprietary, except for the non-proprietary assessment in Item (E).

Your EP should be accompanied by:

- (A) Structure contour maps. Current structure contour maps at a scale of 1 inch = 2,000 feet (depth-based, expressed in feet subsea) drawn on the top of each prospective hydrocarbon sand, showing the entire lease block and the location of each proposed well and the locations of geological cross-sections. You may use another scale or coverage area for these contour maps on a case-by-case basis if your proposed activities cover more than one lease block and if you obtain prior approval from the Regional Supervisor. (Examples of acceptable structure contour maps can be found on the MMS Internet website at <http://www.gomr.mms.gov/homepg/regulate/regs/ntls/structmap1.pdf> and <http://www.gomr.mms.gov/homepg/regulate/regs/ntls/structmap2.pdf>.)
- (B) Interpreted two-dimensional (2-D) and/or three-dimensional (3-D) seismic lines. Page-size copies of migrated and annotated (shot points, time lines, well paths) 2-D and/or 3-D seismic lines within 500 feet of the surface locations of your proposed wells. Provide this information as an enclosure to one proprietary copy of your EP. You do not need to provide this information if the MMS GOMR has approved the surface locations of your proposed wells in previously submitted EP's and DOCD's.
- (C) Geological structure cross-sections. Interpreted geological structure cross-sections showing the location and depth of each proposed well. In addition, show at least one key horizon and the objective sands and label them using standard biostratigraphic terms. Express all depths in feet. (An example of an acceptable geological structure cross-section may be found on the MMS Internet website at <http://www.gomr.mms.gov/homepg/regulate/regs/ntls/xsection.pdf>.)
- (D) Shallow hazards report. If your proposed activities are in water depths less than 400 meters, provide two copies of a shallow hazard report based on information obtained from a high-resolution geophysical survey, or a reference to such report if you have already submitted it to the Regional Supervisor. If your proposed activities are in water depths of 400 meters or more, provide three copies of the report. If the report covers multiple leases, provide a listing. Refer to NTL No. 98-20, "Shallow Hazards Requirements," dated September 15, 1998, for guidelines.
- (E) Shallow hazards assessment. For each proposed well, an assessment of any seafloor and subsurface geological and manmade features and conditions that may adversely affect your drilling operations, prepared using the guidance in NTL No. 98-20. Include a non-proprietary version of this item in the Public Information copies of those EP's that require Coastal Zone Management consistency.

- (F) High-resolution seismic lines. Annotated (shot points, time lines, well surface locations, and proximity of wells to line) copy of the high-resolution survey line (shallow penetration subbottom profiler; medium penetration seismic profiler; and sidescan sonar in areas of complex seafloor such as fault scarps, mud mounds, mud lobes) closest to each of the proposed well locations. Provide this information as an enclosure to one proprietary copy of your EP. You do not need to provide this information if the MMS GOMR has approved the surface locations of your proposed wells in previously submitted EP's and DOCD's.

For deepwater areas, you may replace the high-resolution survey lines with 3-D survey information on a case-by-case basis if you submit the following displays: swath bathymetry/seafloor rendering/edge detection (fault scarp trends) overlain with the seafloor amplitude. However, the vertical resolution of the 3-D surveys is usually not sufficient to detect potential drilling hazards in a complex area (numerous faults, gas vents, slumps, hard bottoms, etc.). Therefore, in a complex area, you may *not* replace high-resolution survey lines with 3-D survey information. However, in deepwater areas, you do not need to provide sidescan sonar in water depths greater than 300 meters or magnetometer lines in water depths greater than 200 meters if you obtain the prior approval of the Regional Supervisor on a case-by-case basis.

- (G) Stratigraphic column. A generalized biostratigraphic/lithostratigraphic column from the seafloor to the total depth of each prospect. Label objective horizons on the column. (An example of an acceptable stratigraphic column may be found on the MMS Internet website at <http://www.gomr.mms.gov/homepg/regulate/regs/ntls/stratcolumn.pdf>.)
- (H) Time vs. depth tables. For proposed well locations in areas where there is no well control, seismic travel time versus depth tables showing intervals of not more than 10 milliseconds.

Your DOCD should be accompanied by:

- (A) Structure contour maps. Current structure contour maps at a scale of 1 inch = 2,000 feet (depth-based, expressed in feet subsea) drawn on the top of each productive hydrocarbon sand, showing the entire lease block and the location of each proposed well and the locations of geological cross-sections. You may use another scale or coverage area for these contour maps on a case-by-case basis if your proposed activities cover more than one lease block and if you obtain prior approval from the Regional Supervisor. (See MMS Internet websites previously referenced for examples.)
- (B) Interpreted two-dimensional (2-D) and/or three-dimensional (3-D) seismic lines. Page-size copies of migrated and annotated (shot points, time lines, well paths) 2-D and/or 3-D seismic lines within 500 feet of the surface locations of your proposed wells. Provide this information as an enclosure to one proprietary copy of your DOCD. You do not need to provide this information if the MMS GOMR has approved the surface locations of your proposed wells in previously submitted EP's and DOCD's.
- (C) Geological structure cross-sections. Interpreted geological structure cross-sections

showing the location and depth of each proposed well. In addition, show at least one key horizon and the objective sands and label them using standard biostratigraphic terms. Express all depths in feet. (See MMS Internet website previously referenced for example.)

- (D) Shallow hazards report. If your proposed activities are in water depths less than 400 meters, provide two copies of a shallow hazard report based on information obtained from a high-resolution geophysical survey, or a reference to such report if you have already submitted it to the Regional Supervisor. If your proposed activities are in water depths of 400 meters or more, provide three copies of the report. If the report covers multiple leases, provide a listing. Refer to NTL No. 98-20, "Shallow Hazards Requirements," dated September 15, 1998, for guidelines.
- (E) Shallow hazards assessment. For each proposed well or platform location, an assessment of any seafloor and subsurface geological and manmade features and conditions that may adversely affect your operations, prepared using the guidance in NTL No. 98-20. Include a non-proprietary version of this item in the Public Information copies of those DOCD's that require Coastal Zone Management consistency.
- (F) High-resolution seismic lines. Annotated (shot points, time lines, well surface locations, and proximity of wells to line) copy of the high-resolution survey line (shallow penetration subbottom profiler; medium penetration seismic profiler; and sidescan sonar in areas of complex seafloor such as fault scarps, mud mounds, mud lobes) closest to each of the proposed well locations. Provide this information as an enclosure to one proprietary copy of your DOCD. You do not need to provide this information if the MMS GOMR has approved the surface locations of your proposed wells in previously submitted EP's and DOCD's.

For deepwater areas, you may replace the high-resolution survey lines with 3-D survey information on a case-by-case basis if you submit the following displays: swath bathymetry/seafloor rendering/edge detection (fault scarp trends) overlain with the seafloor amplitude. However, the vertical resolution of the 3-D surveys is usually not sufficient to detect potential drilling hazards in a complex area (numerous faults, gas vents, slumps, hard bottoms, etc.). Therefore, in a complex area, you may *not* replace high-resolution survey lines with 3-D survey information. However, in deepwater areas, you do not need to provide sidescan sonar or magnetometer lines if you obtain the prior approval of the Regional Supervisor on a case-by-case basis.

Hydrogen Sulfide (H₂S) Information

Your EP should be accompanied by:

- (A) Classification. According to 30 CFR 250.417(c), a request that the Regional Supervisor classify the area of your proposed exploration activities as either H₂S absent, H₂S present, or H₂S unknown. Provide sufficient information (including reference to correlative stratigraphic sections) to justify your request.
- (B) H₂S Contingency Plan. If you request that the Regional Supervisor classify the area of your proposed exploration activities as either H₂S present or H₂S unknown, include a reference to an approved or submitted H₂S Contingency Plan prepared according to 30 CFR 250.417(f) that covers the proposed exploration activities. If you have not yet submitted an H₂S Contingency Plan, include the following statement: [*Company name*] will submit to the appropriate MMS GOMR district office an H₂S Contingency Plan prepared according to 30 CFR 250.417(f) before conducting the proposed exploration activities.

Your DOCD should be accompanied by:

- (A) Classification. According to 30 CFR 250.417(c), a request that the Regional Supervisor classify the area of your proposed development and production activities as either H₂S absent, H₂S present, or H₂S unknown. Provide sufficient information (including reference to correlative stratigraphic sections) to justify your request.
- (B) H₂S Contingency Plan. If you request that the Regional Supervisor classify the area of your proposed development and production activities as either H₂S present or H₂S unknown, include a reference to an approved or submitted H₂S Contingency Plan prepared according to 30 CFR 250.417(f) that covers the proposed development and production activities. If you have not yet submitted an H₂S Contingency Plan, include the following statement: [*Company name*] will submit to the appropriate MMS GOMR district office an H₂S Contingency Plan prepared according to 30 CFR 250.417(f) before conducting the proposed development and production activities

APPENDIX D BIOLOGICAL INFORMATION

Chemosynthetic Information

Your EP or DOCD should be accompanied by:

If you propose activities that could disturb seafloor areas in deepwater (water depths 400 meters or greater), the maps, analysis, and statement(s) prepared by using the guidance in Attachment B of NTL No. 2000-G20, "Deepwater Chemosynthetic Communities."

Topographic Features Information

Your EP or DOCD should be accompanied by:

- (A) If you propose to use a semisubmersible drilling rig and any of the associated anchors are to be placed within 500 feet of the no-activity zone of an identified topographic feature, a plat that depicts bathymetry, the no-activity zone of the topographic feature, the surface location of each proposed well or platform, and the position of anchors and chains relative to each proposed surface location.
- (B) If you propose to drill more than two exploration wells from the same surface location and that surface location is within the 3-mile zone of an identified topographic feature, a statement that you will shunt all drill cuttings and drilling fluids from your drilling operations to the bottom through a downpipe that terminates an appropriate distance, but no more than 10 meters, from the bottom.

Be advised the topographic features information requirements outlined in this Appendix do not modify or cancel the requirements set forth in the Topographic Features Lease Stipulation. For a list of OCS blocks affected by this stipulation, see NTL No. 98-12, "Implementation of Consistent Biological Stipulation Measures in the Central and Western Gulf of Mexico."

Be further advised that the MMS and the National Marine Fisheries Service (NMFS) have entered into a programmatic consultation agreement for Essential Fish Habitat that requires that no bottom-disturbing activities, including anchors or cables from a semisubmersible drilling rig, may occur within 500 feet of the no-activity zone of an identified topographic feature. If you propose bottom-disturbing activities within 500 feet of a no-activity zone, the MMS is required by the agreement to consult with NMFS. This could extend the time necessary to complete the review of your EP or DOCD.

Live Bottom (Pinnacle Trend) Information

Your EP or DOCD should be accompanied by:

If you propose bottom-disturbing activities, including anchors or cables from a semisubmersible drilling rig, within 100 feet of any pinnacle trend feature with vertical relief equal to or greater than 8 feet, a map at a scale of 1 inch = 1,000 feet with DGPS accuracy depicting the following:

- (A) Bathymetric contours at 2-foot intervals;
- (B) An outline of the pinnacles;
- (C) An annotation of the height of individual pinnacles;
- (D) The surface location of each proposed well or platform; and
- (E) The positions of anchors, chains, cables, and wire ropes relative to each proposed surface location.

You may use transparency overlays to other maps for the display of the Items (D) and (E) above, provided they are at a scale of 1 inch = 1,000 feet.

Be advised the Live Bottom (Pinnacle Trend) information requirements outlined in this Appendix do not modify or cancel the requirements set forth in the Live Bottom (Pinnacle Trend) Lease Stipulation. The OCS blocks affected by this stipulation are Main Pass Area, Blocks 190, 194, 198, 219-226, 244-266, 276-290; and Viosca Knoll Area, Blocks 473-476, 521, 522, 564-566, 609, 610, 654, 692-698, 734, and 778.

Be further advised that the MMS and the National Marine Fisheries Service (NMFS) have entered into a programmatic consultation agreement for Essential Fish Habitat that relates to bottom-disturbing activities occurring within 100 feet of any Pinnacle Trend feature with vertical relief greater than or equal to 8 feet. If you propose bottom-disturbing activities, including anchors or cables from a semisubmersible rig, within 100 feet of any Pinnacle Trend feature with vertical relief greater than or equal to 8 feet, the MMS will consult with NMFS pursuant to the agreement. This could extend the time necessary to complete the review of your EP or DOCD.

Remotely Operated Vehicle (ROV) Surveys

Your EP or DOCD should be accompanied by:

If you propose activities that could disturb seafloor areas in deepwater (water depths 400 meters or greater), an ROV survey plan prepared according to the guidance in NTL No. 2001-G04, "Remotely Operated Vehicle Surveys in Deepwater."

APPENDIX E WASTES AND DISCHARGES INFORMATION

Your EP and DOCD should be accompanied by:

(A) For *discharges*, the type and general characteristics of the wastes, the amount to be discharged (volume or rate), the maximum discharge rate, a description of any treatment or storage, and the discharge location and method for each type of discharge. We recommend that you provide this information in a tabular format. Refer to the MMS Internet website at <http://www.gomr.mms.gov/homepg/regulate/regs/ntls/wastetables.pdf> for suggested format and examples.

For the purpose of this Appendix, the term *discharges* describe those wastes generated by your proposed activities that you dispose of by releasing them into the waters of the Gulf of Mexico at the site where they are generated, usually after receiving some form of treatment before they are released, and in compliance with applicable NPDES permits or State requirements.

Provide this *discharges* information only when you propose:

1. Drilling activities in the Eastern Planning Area of the GOM.
2. Activities within the Protective Zones of the Flower Garden Banks and Stetson Bank.
3. To use new or unusual technology in the handling or discharge of drilling fluids or drill cuttings.
4. Deepwater development drilling operations. (You may omit this information if you propose drilling operations in an exempted area. Refer to the MMS Internet website at <http://www.gomr.mms.gov/homepg/regulate/envirom/strategy/strategy.html> for a current listing of exempted areas.)
5. An initial EP, DOCD, or Supplemental DOCD with new multiwell structures for which the States of Mississippi or Texas are affected States (15 CFR 930.58(a)(2)).
6. An initial or supplemental EP or DOCD for which the State of Alabama is an affected State (15 CFR 930.58(a)(2)).

(B) For *disposed wastes*, the type and general characteristics of the wastes, the amount to be disposed of (volume, rate, or weight), the daily disposal rate, the name and location of the disposal facility, a description of any treatment or storage, and the methods for transporting and final disposal. We recommend that you provide this information in a tabular format. Refer to the MMS Internet website at <http://www.gomr.mms.gov/homepg/regulate/regs/ntls/wastetables.pdf> for suggested format and examples.

For the purpose of this Appendix, *disposed wastes* describes those wastes generated by your proposed activities that are disposed of by means other than by releasing them into the waters of the Gulf of Mexico at the site where they are generated. These wastes can be disposed of by offsite release, injection, encapsulation, or placement at either onshore or offshore permitted locations for the purpose of returning them back to the environment.

Provide this *disposed wastes* information in all initial and supplemental EP's and DOCD's.
Provide this information in revised EP's or DOCD's only when you propose:

1. Drilling operations in the Eastern Planning Area of the GOM.
2. To use new or unusual technology in the handling or discharge of drilling fluids or drill cuttings.
3. Deepwater development drilling operations. (You may omit this information if you propose drilling operations in an exempted area. Refer to the MMS Internet website at <http://www.gomr.mms.gov/homepg/regulate/environ/strategy/strategy.html> for a current listing of exempted areas.)

APPENDIX F OIL SPILL INFORMATION

Under 30 CFR 250.203(b)(2) and 30 CFR 250.204(b)(3), an EP and DOCD must include an oil spill response plan (OSRP) or reference to an approved regional OSRP prepared according to 30 CFR 254. In the MMS GOMR, it is usually expedient for you to submit for approval a regional OSRP that covers all of your OCS leases and facilities in the Western and Central Planning Areas. You may then reference your approved regional OSRP in your EP's and DOCD's. If you choose to provide a site-specific OSRP instead of referencing a Regional OSRP, prepare it according to 30 CFR 254.21 through 254.29. In the Eastern Planning Area, provide either a site-specific OSRP or a sub-regional OSRP.

Refer to the Quick Reference Table on the following page for an identification of the type of oil spill information that should accompany your EP or DOCD. Following the table is a detailed explanation of the 15 numbered oil spill information items for EP's and DOCD's.

Quick Reference Table for Oil Information

Information Items	Information to Comply with the Oil Pollution Act of 1990 (OPA)				Information for MMS to Ensure Completeness Under the Coastal Zone Management Act (CZMA)				
	Plans in Eastern Planning Area (EPA)	Plans in Flower Gardens & Stetson Banks Areas	Plans for new deepwater or deepwater-related surface facilities ²	All other plans in Western and Central Planning Areas	Initial EP's/DOCD's and Supplemental DOCD's affecting the following States:				
					Florida All Initial and Supplemental EP's and DOCD's	Alabama Initial and Supplemental DOCD's ONLY	Louisiana Initial DOCD's & Supplemental DOCD's proposing new multi-well structures ONLY ³	Mississippi Plans for new deepwater or deepwater-related surface facilities ² ONLY	Texas Initial EP's/DOCD's & Supplemental DOCD's proposing new multi-well structures ONLY ³
1. Site-Specific OSRP ³	✓□	□	□	□	✓	✓ / EPA Only ³			
2. Regional OSRP information	□	✓□	✓	✓	✓□	✓□	✓□	✓	✓
3. OSRO information	□	✓□	✓	✓	✓□	✓□	✓□	✓	✓
4. Worst-case scenario comparison	□	✓□	✓	✓	✓□	✓□	✓□	✓	✓
	Information for MMS to Comply with the National Environmental Policy Act (NEPA)								
5. Facility tanks, production vessels	✓□	✓□	✓		✓	✓□	✓	✓	✓
6. Diesel oil supply vessels	✓□	✓□	✓□		✓	✓□	✓	✓□	
7. Support vessels fuel tanks	✓□	✓□	✓□		✓	✓□	✓	✓□	
8. Produced oils transportation vessels	✓□	✓□	✓□		✓	✓□	✓	✓□	✓
9. Oil- and synthetic-based muds	✓□	✓□	✓□		✓		✓	✓□	✓
10. Blowout scenario	✓□	✓□	✓□	□	✓□	□	✓□	✓□	□
11. Oils characteristics	✓	✓□	✓		✓		✓	✓	
12. Spill response sites	□	✓□	✓□		✓		✓	✓□	✓
13. Spill response discussion		✓□	✓		✓		✓	✓	✓
14. Pollution prevention measures	✓□	✓□	✓		✓		✓	✓	✓
15. FGBNMS monitoring plans		✓							

✓ = Information to be provided .

Footnotes:

- Plans in Flower Gardens & Stetson Banks Areas:** The OCS blocks affected by this are as indicated in the Topographic Features Lease Stipulation and include High Island Blocks A-351 through A-355, A-361 through A-368, A-373 through A-381, A-382 through A-390, A-394 through A-400, A-401 through A-403, A-486 through A-488, A-501 through A-503, A-512 through A-514, A-527 through A-529, A-573, and A-596; Garden Banks Blocks 133 through 136, 138 through 140, and 177 through 180; and East Breaks Blocks 173 and 217.
- Plans for new deepwater or deepwater-related surface facilities:** For DOCD's, if you propose to install a surface facility located in water depths > 400 meters, or you propose to install a surface facility in any water depth to support subsea development in water depths > 400 meters.
- Site-specific OSRP's in the Eastern Planning Area:** This requirement may not apply if you have an approved Sub-regional Oil Spill Response Plan (OSRP) that covers a specific group of leases or facilities in the Eastern Planning Area. Contact the MMS GOMR prior to submitting such an OSRP for guidance on how to prepare the OSRP and what leases or facilities may be included.

Information to Comply with the Oil Pollution Act of 1990 (OPA) and the Coastal Zone Management Act (CZMA):

1. Site-specific OSRP. Provide a site-specific OSRP prepared according to the requirements of 30 CFR 254.21 through 254.29 that specifically addresses the activities proposed in your EP or DOCD. If you provide information items 2 through 16 in the site-specific OSRP in a manner that also meets the regulatory requirements discussed in this NTL, you do not need to resubmit them separately. For proposed operations affected by the oil spill stipulation in the Eastern Planning Area, the site-specific OSRP should include a detailed description of the equipment that you will procure to satisfy the requirements of the stipulation and the timing with which the equipment will be placed onsite and/or be available.

2. Regional OSRP information. Provide the following information regarding your approved regional OSRP: the company or companies covered, the OSRP approval date or your worst-case certification approval date if your OSRP is pending approval, and a statement that the activities proposed in your EP or DOCD will be covered by your regional OSRP.

3. OSRO information. Provide the name(s) of your oil spill removal organization(s) for both equipment and personnel.

4. Worst-case scenario comparison. If you have an approved regional OSRP, provide a comparison of the appropriate worst-case scenario from your approved regional OSRP to the worst-case scenario from the proposed activities in your EP or DOCD. Refer to the sample chart below. Use this comparison to aid you in determining whether the worst-case scenario from your approved regional OSRP is superseded by the worst-case scenario from the proposed activities in your EP or DOCD. For EP's, because estimated flow rates from a blowout are speculative, you should not ordinarily determine that the worst-case scenario from your proposed activities supersedes your worst-case scenario from your approved regional OSRP as long as your contracted OSRO capabilities are sufficient to respond to the worst-case volume in your EP. (Reminder: In making this determination, also consider proximity to beaches, waterfowl, other marine and shoreline resources, and areas of special economic or environmental importance as required in your OSRP.)

Category	Regional OSRP	EP or DOCD
Type of Activity ¹	Production – Subsea completion	Development – Platform drilling rig
Facility Location (area/block)	EI 250	MC 900
Facility Designation ²	Well No. 2	Rio Loco Project
Distance to Nearest Shoreline (miles)	45 miles	160 miles
Volume ³		
Storage tanks (total)	0 bbls	200 bbls
Flowlines (on facility)	40 bbls	15 bbls
Lease term pipelines	1,600 bbls	400 bbls
Uncontrolled blowout (volume per day)	2,700 bbls	600 bbls
Total Volume	4,665 bbls	1,215 bbls
Type of Oil(s) - (crude oil, condensate, diesel)	Crude oil	Crude oil
API Gravity(s) ⁴	37°	37°

Footnotes:

- Types of activities include pipeline, platform, caisson, subsea completion or manifold, and mobile drilling rig.
- E.g., Well No. 2, Platform JA, Pipeline Segment No. 6373.
- Take your regional OSRP worst-case scenario volume from the appropriate section of your regional OSRP. For EP's, the worst-case scenario volume is the daily volume possible from an uncontrolled blowout. Determine this volume using the provisions of 30 CFR 254.47(b). For DOCD's, determine the volume of your worst-case scenario using the provisions of 30 CFR 254.47 (a) or (b), as appropriate.
- Provide API gravity of all oils given under "Type of Oil(s)" above. Estimate for EP's

If your proposed activities are within 10 miles seaward of the coastline, you must reference the “near-shore” worst-case scenario provided in your approved regional OSRP. If your proposed activities are beyond 10 miles seaward of the coastline, reference the “far-shore” worst-case scenario provided in your approved regional OSRP.

If you determine that the worst-case scenario from the activities proposed in your EP or DOCD supersedes the worst-case scenario from your approved regional OSRP, modify your approved regional OSRP to incorporate this new worst-case scenario and provide the following statement:

(Name of company) submitted the new worst-case scenario to the MMS GOMR on *(date)* for inclusion in our regional OSRP.

The EP or DOCD will not be approved until the MMS GOMR has received and approved your regional OSRP worst-case scenario modification.

If you determine that the worst-case scenario from the activities proposed in your EP or DOCD does not supersede the worst-case scenario in your approved regional OSRP, provide the following statement:

Since *(name of company)* has the capability to respond to the worst-case spill scenario included in its regional OSRP approved on *(date)*, and since the worst-case scenario determined for our *(EP or DOCD)* does not replace the worst-case scenario in our regional OSRP, I hereby certify that *(name of company)* has the capability to respond, to the maximum extent practicable, to a worst-case discharge, or a substantial threat of such a discharge, resulting from the activities proposed in our *(EP or DOCD)*.

Information for MMS to Comply with the National Environmental Policy Act (NEPA) and the Coastal Zone Management Act (CZMA):

5. Facility tanks, production vessels. Provide information on tanks and/or production vessels at the facility (including barges, drilling rigs, platform, etc.) that will store oil, as defined at 30 CFR 254.6. Refer to the sample chart below. List only those tanks with a capacity of 25 barrels or more.

Type of Storage Tank	Type of Facility	Tank Capacity (bbls)	Number of Tanks	Total Capacity (bbls)	Fluid Gravity (API)
Fuel Oil	Semi-submersible	250	2	500	No. 2 Diesel
Production	Platform A	40,000	2	80,000	37°

6. Diesel oil supply vessels. Provide information on the diesel oil supply vessels you will use. Include any transfers of diesel oil used for purposes other than fuel (e.g., base for corrosion control fluids). Refer to the following sample chart.

Size of Fuel Supply Vessel	Capacity of Fuel Supply Vessel	Frequency of Fuel Transfers	Route Fuel Supply Vessel Will Take
180 feet	1,500 bbls	Weekly	From the shorebase in Fourchon, LA, to XYZ Field, then to WC Block 134

7. Support vessels fuel tanks. Provide the estimated total storage capacity (maximum per class of vessel in the field at any given time) of the fuel tanks on the supply, service, or crew vessels you will use to support the activities proposed in your EP or DOCD. Refer to the following sample chart:

Type of Vessel	Number in Field Simultaneously	Estimated Maximum Fuel Tank Storage Capacity
Tug boats*	2	3000
Supply vessels	2	500
Service vessels	1	500
Crew vessels	1	500

* Includes anchor-handling vessels, construction barges, lay barges, etc.

8. Produced liquid hydrocarbons transportation vessels. If liquid hydrocarbons (including well test fluids) will be transported by means other than a pipeline, provide the transportation method, a description of the method to be used to transfer the liquid hydrocarbons to the transporting vessel, the capacity of the transporting vessel(s), the expected average volume of liquid hydrocarbons that will be loaded onto the transporting vessel, and the average number of transfers that will take place each year.

9. Oil- and synthetic-based drilling fluids. Show the components, chemical composition, and projected amounts and rates of usage of each oil- or synthetic-based drilling fluid you will use to drill your proposed wells. Refer to the following sample chart.

Type of Drilling Fluid	Estimated Volume of Mud Used per Well	Mud Disposal Method	Estimated Volume of Cuttings Generated per Well	Cuttings Disposal Method
Oil-based	500 bbls	Onshore disposal	1,000 bbls	Onshore disposal
Synthetic-based	20,000 bbls	Recycle	18,000 bbls	Discharge

10. Blowout scenario. Provide a scenario for a potential blowout. Include an estimated spill flow rate, volume, and timeframe associated with a potential blowout of the well you expect to have the highest volume of liquid hydrocarbons. Include also the potential for the well to bridge over, the likelihood for surface intervention to stop the blowout, the availability of a rig to drill a relief well, rig package constraints, and the estimated time to drill a relief well.

11. Oils characteristics. Provide the estimated chemical and physical characteristics of the oils that will be handled, stored, or transported on/by the facility. Refer to the following sample chart.

Characteristic	Analytical Methodologies Should Be Compatible with:
1. Gravity (API)	ASTM D4052
2. Flash Point (°C)	ASTM D93/IP 34
3. Pour Point (°C)	ASTM D97
4. Viscosity (Centipoise at 25 °C)	ASTM D445
5. Wax Content (wt %)	Precipitate with 2-butanon/dichloromethane (1 to 1 volume) at -10 °C
6. Asphaltene Content (wt %)	
7. Resin Content (wt %)	Jokuty et al., 1996
8. Boiling point distribution including, for each fraction, the percent volume or weight and the boiling point range in °C	ASTM D2892 (TBP distillation) or ASTM D2887/5307
9. Sulphur (wt %)	ASTM D4294

Note: If the distillation information in Item No. 8 in the above table is not available, the MMS GOMR may accept the following information in lieu of Items Nos. 5, 6, 7, and 8: weight percent total of saturates, aromatics, waxes, asphaltenes, and resins; and total BTEX (ppm) using analytical methods compatible with the Hydrocarbon Groups methodology found in Jokuty et al.(1996).

For EP's, you may provide information on a reservoir oil that is expected to be similar in characteristics. For DOCD's, provide information on the oil composition that is most likely to result in the largest volume spill (e.g., the oil from the expected largest reservoir, stored oil or pipeline oil combined from a number of wells).

Identify the oil you analyze. Refer to the following sample chart.

Oil from One Well	Oil from More than One Well Sampled on a Facility	Oil from a Pipeline System
<ul style="list-style-type: none"> • Area/Block • MMS platform ID • API Well No. • Completion perforation interval • MMS's reservoir name • Sample date • Sample No. (if more than one is taken) 	<ul style="list-style-type: none"> • Area/Block • MMS platform ID • Field/Unit • Sample date • Sample No. (if more than one is taken) • Listing of API Well Nos. • Storage tank ID No. (if sampled at a storage tank) 	<ul style="list-style-type: none"> • Pipeline segment number • For each pipeline that feeds into the system, the ID codes for the closest upstream LACT units and/or facility measurement points • Storage tank ID No. (if sampled at a storage tank)

12. Spill response sites. Provide information on the location of your primary spill response equipment and the location of your pre-planned staging area(s) that would be used in the event you have an oil spill resulting from the activities proposed in your EP or DOCD. Refer to the following sample chart.

Primary Response Equipment Location	Preplanned Staging Location(s)
Houma, LA	Fourchon, LA, Grand Isle, LA

13. Spill response discussion for NEPA analysis. Discuss your response to a spill originating from the proposed operation. The discussion should include as much of the information described in 30 CFR 254.26(d) as is applicable. As the source of the spill, use whichever of the following gives the greater volume of oil:

- (a) the blow-out scenario from Item No. 10 above, or
- (b) the volume of the largest oil/fuel storage tank on the drilling rig or facility.

14. Pollution prevention measures. Discuss the safety, pollution prevention, and early spill detection measures that you will take beyond those required by 30 CFR 250.

15. FGBNMS Monitoring Plans. Discuss your provisions for monitoring the impacts of an oil spill on the environmentally sensitive resources at the Flower Garden Banks National Marine Sanctuary.

APPENDIX G AIR EMISSIONS INFORMATION

If any of the activities proposed in your EP or DOCD take place at the site of an existing facility or well, two different emission calculations are necessary. The calculated emissions that are associated with the activities proposed in the current EP or DOCD submission are referred to as Plan Emissions. Complex Total Emissions are the Plan Emissions plus projected emissions from all existing co-located facilities and activities (i.e., those that are at the same surface location as your proposed activities, including any group of installations interconnected with walkways and/or bridges). If there are no existing facilities or activities co-located with your currently proposed activities, then state that the Complex Total Emissions are the same as the Plan Emissions, and therefore only one set of emissions calculations is included.

- (A) Calculating emissions. Calculate the Plan Emissions associated with your proposed activities (and the Complex Total Emissions, if applicable) using the methodology, emission factors, and worksheets in Form MMS-138 for EP's and Form MMS-139 for DOCD's. These forms are on the MMS Internet website at <http://www.gomr.mms.gov/homepg/regulate/environ/airquality/reporting.html>. Depending on your answers to the screening questions in paragraph (2) below, you may need to include the worksheets in your EP or DOCD. In calculating your Plan Emissions and Complex Total Emissions:
- (1) You may base the emissions on the maximum rated capacity of the equipment associated with your activities or by using emission reduction measures or modified emission factors. However, please be advised that if you base your emissions calculations on the use of emission reduction measures or modified emission factors, you will need to submit the worksheets and the documentation described in paragraphs (c)(3) and/or (c)(4) below.
 - (2) If you have not determined the specific drilling unit you will use, use the maximum emission estimates for the *type* of drilling unit (i.e., jack-up, platform rig, barge, submersible, semisubmersible, or drillship) in your calculations. You can find the maximum emission estimates for each drilling unit type on the MMS Internet website at <http://www.gomr.mms.gov/homepg/regulate/environ/airquality/reporting.html>.
- (B) Screening questions. Use one of the two formats below, as appropriate, to answer questions regarding your calculated air emission amounts for EP's and DOCD's.

Screening Questions for EP's	Yes	No
Is any calculated Complex Total (CT) Emission amount (in tons) associated with your proposed exploration activities more than 90% of the amounts calculated using the following formulas: $CT = 3400D^{2/3}$ for CO, and $CT = 33.3D$ for the other air pollutants (where D = distance to shore in miles)?		
Do your emission calculations include any emission reduction measures or modified emission factors?		
Are your proposed exploration activities located east of 87.5° W longitude?		
Do you expect to encounter H ₂ S at concentrations greater than 20 parts per million (ppm)?		
Do you propose to flare or vent natural gas for more than 48 continuous hours from any proposed well?		
Do you propose to burn produced hydrocarbon liquids?		

Screening Questions for DOCD's	Yes	No
Is any calculated Complex Total (CT) Emission amount (in tons) associated with your proposed exploration activities more than 90% of the amounts calculated using the following formulas: $CT = 3400D^{2/3}$ for CO, and $CT = 33.3D$ for the other air pollutants (where D = distance to shore in miles)?		
Do your emission calculations include any emission reduction measures or modified emission factors?		
Does or will the facility complex associated with your proposed development and production activities process production from eight or more wells?		
Do you expect to encounter H ₂ S at concentrations greater than 20 parts per million (ppm)?		
Do you propose to flare or vent natural gas in excess of the criteria set forth under 250.1105(a)(2) and (3)?		
Do you propose to burn produced hydrocarbon liquids?		
Are your proposed development and production activities located within 25 miles from shore?		
Are your proposed development and production activities located within 200 kilometers of the Breton Wilderness Area?		

In calculating CT for addressing the first question in the above tables, express the distance to shore (D) in tenths of a statute mile for distances up to 20 miles and in whole statute miles for distances 20 miles and beyond. Use the nearest point of any land, which is the distance from the facility complex to the mean high water mark of any State, including barrier islands and shoals, to determine the distance to shore.

- (1) If you answer **no** to all of the above screening questions from the appropriate table, provide:
 - (a) Summary information regarding the peak year emissions for both Plan Emissions and Complex Total Emissions, if applicable. This information is compiled on the summary form of the two sets of worksheets. You can submit either these summary forms or use the format below. You do not need to include the entire set of worksheets.

Air Pollutant	Plan Emission Amounts ¹ (tons)	Calculated Exemption Amounts ² (tons)	Calculated Complex Total Emission Amounts ³ (tons)
Carbon monoxide (CO)			
Particulate matter (PM)			
Sulphur dioxide (SO ₂)			
Nitrogen oxides (NO _x)			
Volatile organic compounds (VOC)			

¹ For activities proposed in your EP or DOCD, list the projected emissions calculated from the worksheets.

² List the exemption amounts for your proposed activities calculated by using the formulas in 30 CFR 250.303(d)

³ List the complex total emissions associated with your proposed activities calculated from the worksheets

(b) The name, telephone number, and e-mail address of the person(s) who calculated the projected Plan Emissions, Complex Total Emissions, and exemption amounts.

(c) Following your submittal of the summary information, the MMS GOMR may require you to submit the entire set of worksheets regardless of your response to the above screening questions. The MMS GOMR will make this determination on a case-by-case basis.

(2) If you answer *yes* to any of the above screening questions from the appropriate table, provide:

(a) Worksheets. A set of worksheets showing the emission calculations for your Plan Emissions and, if applicable, a second set showing the emission calculations for the Complex Total Emissions.

(b) Contact(s). The name, telephone number, and e-mail address of the person(s) who calculated the projected Plan Emissions, Complex Total Emissions, and exemption amounts.

In addition, if the screening results indicate that you are to submit worksheets, you may need to submit one or more of the following:

(C) Emission reduction measures. If your calculation of the projected Plan Emissions or Complex Total Emissions amounts includes emissions reduction measures, submit your worksheets and also use the format below to describe the emission reduction measures. You may use actual fuel usage information (e.g., run times, fuel consumption) for the existing co-located facilities and activities. If you do, provide 6 to 12 months of data for determining the average fuel usage. The actual fuel usage you use in the emissions calculations cannot be less than the average fuel usage.

Emission Source	Reduction Control Method	Amount of Reduction	Monitoring System
Compressor	Clean burn technology	100 tons NO _x /year	Periodic stack test
Prime mover	Low sulphur fuel	10 tons SO ₂ /year	Visual check of fuel color and fuel receipts
Prime mover	Actual Fuel Consumption	300 tons NO _x /year	Fuel Log
Generator	Actual Run Time	100 tons NO _x /year	Run Time Log

- (D) **Verification of non-default emission factors.** If you use any air emission factors less than the default values in your calculation of the projected Plan Emission or Complex Total Emissions amounts, provide documentation supporting the use of the smaller emission factors. However, if the actual emission factor is known to be greater than the default emission factor, use the actual emission factor.
- (E) **Non-exempt activities.** If the calculated complex emission amount for any pollutant (CO, PM, SO₂, NO_x, or VOC) is greater than the respective emission amount, E, you calculated using the formulas $E = 3400D^{2/3}$ for CO and $E = 33.3D$ for the other air pollutants (i.e., the formulas in 30 CFR 250.303(d)), provide a description of how you will comply with 30 CFR 250.303(e) through (i), as appropriate.
- (F) **Review of activities with emissions below the exemption amount.** If the calculated Complex Total Emission amount for any pollutant (CO, PM, SO₂, NO_x, or VOC) is greater than the respective emission amount "CT" you calculate using the formulas: $CT=3400D^{2/3}$ for CO and $CT=33.3D$ for the other air pollutants, according to 30 CFR 250.303(j), the MMS GOMR has determined that the otherwise exempt activities described in your EP or DOCD have the potential to significantly affect the air quality of an onshore area. In this case, use an MMS-approved air quality model to model the calculated Complex Total Emission amount for that pollutant(s) and provide the results. If your modeling indicates that the calculated Complex Total Emission amount from that complex would significantly affect the air quality of an onshore area (see 30 CFR 303(f)), provide a discussion of how you will comply with the applicable requirements of 30 CFR 250.303(g), (h), and (i). If you are unsure of how to do this, or believe your facility would not have a significant impact upon any onshore area, please contact the MMS GOMR to discuss your modeling results and your options.
- (G) **Modeling report.** If you are required by 30 CFR 250.303 to use an MMS-approved air quality model to model projected air emissions, adhere to the guidelines in Appendix W of 40 CFR 51 in conducting the modeling and preparing the report. Provide two copies of the modeling report and the modeling results, along with a digital copy (in ASCII format) of the input and output files (including the meteorological data you used in the modeling), or a reference to the report, files, and results if they have already been submitted to the MMS GOMR.

APPENDIX H ENVIRONMENTAL IMPACT ANALYSIS (EIA)

Provide an environmental impact analysis (EIA) of the potential direct and indirect environmental impacts of your proposed activities as follows:

(A) Impact-producing factors (IPF's). Identify the impact producing factors (IPF) from your proposed activities. Determine the environmental resources that could be impacted by these IPF's. To assist you in determining the IPF's, you may use the worksheet at <http://www.gomr.mms.gov/homepg/regulate/regs/ntls/EIAWorksheet.pdf>.

(B) Analysis. For those environmental resources you have determined may be impacted, provide a detailed explanation of the expected environmental impacts to the resource caused by each IPF.

If the resource in question is beyond the reach of any impact from your proposed activities, briefly explain your rationale. Focus every analysis on the site-specific environmental impacts of the proposed activities. Do not repeat the generalized impacts described in lease sale environmental impact statements (EIS). In your analyses, address the degree of impact, result of impact, duration of impact, recovery time for resource, and degree of recovery. Make sure the write-up for each environmental resource has its own heading (e.g., topographic features, fisheries, etc.). If you conducted any study in preparing your EP or DOCD or to comply with a Federal or State agency requirement, describe the nature of the study and its findings.

(C) Impacts on your proposed activities. Provide a discussion of the potential impacts on your proposed activities that could result from environmental conditions in the project area (e.g., currents, geohazards). Such environmental conditions may increase the risk of an accident that could cause impacts to environmental resources.

(D) Alternatives. Discuss any alternatives that you considered to reduce the environmental impacts of your proposed activity. Describe how each alternative would result in a change in the environmental impact of your proposed activity. If you conducted studies in the development of your alternatives, describe the nature of the studies and their findings.

(E) Mitigation measures. Describe any mitigation that you will employ to avoid, diminish, or eliminate potential impacts on these environmental resources and explain the effectiveness of this mitigation in terms of duration and recovery that might be expected relative to the resource.

(F) Consultation. Provide a list of agencies and persons you consulted regarding potential impacts associated with your proposed activities.

(G) References. Include a list of the references you cite in the EIA. Summarize all information you incorporate by reference.

APPENDIX I COASTAL ZONE MANAGEMENT CONSISTENCY INFORMATION

The States of Texas, Louisiana, Mississippi, Alabama, and Florida have Federally approved coastal zone management programs (CZMP). The Coastal Zone Management Act (CZMA) places requirements on any applicant for an OCS plan that describes in detail Federal license or permit activities affecting any coastal use or resource, in or outside of a State's coastal zone. The applicant must provide in the OCS plan submitted to MMS a certification and necessary data and information for the State to determine that the proposed activities comply with the enforceable policies of the States' approved program, and that such activities will be conducted in a manner consistent with the program. (See 16 U.S.C. 1456(c)(3)(A) and 15 CFR 930.76.)

Except as provided in 15 CFR 930.60(a), State agency review of the consistency information begins when the State receives the OCS plan, consistency certification, and required necessary data and information. Only missing information can be used to delay the commencement of State agency review, and a request for information and data in addition to that required by 15 CFR 930.76 will not extend the date of commencement of review (15 CFR 930.58).

Even though you may have submitted CZM consistency information described in this Appendix, a State with an approved CZMP may request additional information, beyond "required necessary data and information" as described in the paragraph above, from you. Therefore, if you intend to submit an OCS plan, the MMS GOMR encourages you to consult with the appropriate State agency to ascertain whether it will request such additional or supplemental information. Such consultation may serve to expedite the coastal zone consistency determination (15 CFR 930.56).

As part of its assistance efforts, the State agency must make copies of their CZMP document available to you and provide you with guidance on satisfying the requirements of the State program and the development of consistency certification material. Subpart E of 15 CFR 930, "Consistency for Outer Continental Shelf (OCS) Exploration, Development and Production Activities," sets forth specific guidance concerning the implementation of Federal consistency provisions of the CZMA, including the responsibilities of lessees and operators, MMS, and the States.

Please be advised that some States require a fee in order to process your certification. Information on fees required by the State of Louisiana can be found on the Internet at http://www.legis.state.la.us/tsrs/RS/49/RS_49_214_32.htm. Information on fees required by the State of Alabama can be found in Schedule B on the Internet at <http://www.adem.state.al.us/regspermit/ademregs/div1/rdiv1c6.doc>.

Provide the information in paragraphs (A) and (B) below for all

1. Initial EP's and DOCD's.
2. Supplemental EP's and DOCD's for which Florida and Alabama are affected States.
3. Supplemental DOCD's proposing new multi-well structures for which Louisiana, Mississippi, and Texas are affected States.
4. Revised EP's and DOCD's for which the MMS GOMR determines that the revisions could result in a significant change in the impacts previously identified and evaluated. (Refer to 30 CFR 250.203(n)(2) and 204(q)(2)).

Refer to the MMS Internet website given in paragraph (A) below for additional information and other special instructions.

- (A) **Consistency certification.** Provide a coastal zone consistency certification according to 15 CFR 930.76(c) and (d) for each affected State. The maps on the MMS website at http://www.gomr.mms.gov/homepg/offshore/plans_permits/czmmaps.html indicate the areas affecting each State in the Gulf of Mexico. Consistency certifications for activities that affect the States of Texas, Louisiana, Mississippi, Alabama, and Florida should approximate the format shown in Figure 1 of this Appendix.
- (B) **Other information.** Provide information required by 15 CFR 930.76(b). This includes:
- (1) A detailed description of the proposed activity, its associated facilities, the coastal effects, and comprehensive data and information sufficient to support your consistency certification. Submit maps, diagrams, technical data and other relevant material when a written description alone will not adequately describe the proposal. You do not need to repeat or reference information you have provided elsewhere in your plan.
 - (2) Information specifically identified in the State's management program (as originally approved or amended) as required necessary data and information (15 CFR 930.58). (Attachment 1 to this Appendix provides a cross-reference to certain information items that you may need to provide only because the various affected States have specifically identified the items as required necessary data and information for plans subject to CZM Federal consistency review. You do not need to repeat or reference information you have provided elsewhere in your plan.)
 - (3) An evaluation that includes a set of findings, relating the coastal effects of your proposed activities and their associated facilities to the relevant enforceable policies of the State's management program. (See the MMS website at <http://www.gomr.mms.gov/homepg/regulate/regs/ntls/enforpols.pdf> for information provided to MMS regarding the enforceable policies of each Gulf of Mexico State.) The NOAA-approved enforceable policies are identified in each State's CZMP. Identify the impacts as specifically as possible. State if there are no effects on a particular policy. You do not need to make findings with respect to coastal effects for which the management program does not contain enforceable policies. Include discussions of the measures that you will take to avoid or mitigate the probable impacts. Include also an assurance of compliance with existing Federal and State laws, regulations, and resultant enforceable program policies in each State's CZMP.

Appendix I - Attachment 1

1. Texas

- (a) Wastes and Discharges Information listed in Appendix E. *(If you provided this information under the guidelines of Appendix E, you do not need to repeat or reference it.)*
- (b) Oil Spill Information listed in Appendix F. *(If you provided this information under the guidelines of Appendix F, you do not need to repeat or reference it.)*

2. Louisiana

- (a) A discussion of the method of disposal of any wastes and discharges you propose to dispose of within the Louisiana Coastal Zone, including State waters. If municipal, Parish, or State facilities are to be used, identify the specific facilities. *(If you provided this information under the guidelines of Appendix E, you do not need to repeat or reference it.)*
- (b) Oil Spill Information listed in Appendix F. *(If you provided this information under the guidelines of Appendix F, you do not need to repeat or reference it.)*

3. Mississippi

Wastes and Discharges Information listed in Appendix E. *(If you provided this information under the guidelines of Appendix E, you do not need to repeat or reference it.)*

4. Alabama

- (a) Wastes and Discharges Information listed in Appendix E. *(If you provided this information under the guidelines of Appendix E, you do not need to repeat or reference it.)*
- (b) Oil Spill Information listed in Appendix F. *(If you provided this information under the guidelines of Appendix F, you do not need to repeat or reference it.)*

5. Florida

- (a) A discussion of the measures used to prevent the discharge of oils and greases from drilling rigs or platforms during rainfall and routine operations. *(If you provided this information in your description of the important safety and pollution prevention features of your proposed drilling unit or production facilities (as applicable) under the guidelines of Appendix A, you do not need to repeat or reference it.)*
- (b) The socio-economic information for any onshore support facilities in the State of Florida used during the proposed activities as required by 30 CFR 250.203 (a)(8)(ii) for EP's and 30 CFR 250.204(a)(8)(A)(i) through (iii) for DOCD's.
- (c) A complete description of any dredging and filling activities associated with the construction or expansion of any onshore facilities in Florida you will use to support your proposed activities.

Appendix I – Figure 1

Suggested consistency certification format for all EP's and DOCD's that affect the States of Texas, Louisiana, Mississippi, Alabama, and Florida.

COASTAL ZONE MANAGEMENT CONSISTENCY CERTIFICATION

Type of OCS Plan

Area and Block

Lease Number

The proposed activities described in detail in this OCS Plan comply with
[Name of State(s)] approved Coastal Management Program(s) and
will be conducted in a manner consistent with such Program(s).

Lessee or Operator

Certifying Official

Date

APPENDIX J
OCS PLAN INFORMATION FORM

For each EP or DOCD, complete form MMS-137, OCS Plan Information Form, and submit it with your plan. This form will facilitate MMS data entry and review of your plan.

This form can be downloaded at from the MMS Internet website at <http://www.gomr.mms.gov/homepg/mmsforms/frmindx.html> or obtained from the MMS GOMR Public Information Office in New Orleans, Louisiana.

**UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO OCS REGION**

NTL No. 2002-G09

Effective Date: October 1, 2002

**NOTICE TO LESSEES AND OPERATORS OF FEDERAL OIL, GAS,
AND SULPHUR LEASES AND PIPELINE RIGHT-OF-WAY HOLDERS
IN THE OUTER CONTINENTAL SHELF, GULF OF MEXICO OCS REGION**

Regional and Subregional Oil Spill Response Plans

This Notice to Lessees and Operators and Pipeline Right-of-way Holders (NTL) supersedes NTL No. 98-30, effective March 1, 1999, and NTL No. 98-30, Addendum No. 1, effective April 25, 2001. It provides for subregional Oil Spill Response Plans (OSRP's) in the Eastern Planning Area of the Gulf of Mexico, allows you to submit OSRP's in digital format on CD-ROM, adds guidance on calculating worst case scenario volumes, provides for a discussion of dispersant effectiveness over time, and makes a few minor technical amendments.

Background

On March 25, 1997, the Minerals Management Service (MMS) published its final rule (see Federal Register, Vol. 62, No. 57, pages 13991-14003, or 30 CFR Part 254) governing Oil Spill Response Plans (OSRP) and related requirements for facilities located seaward of the coast line, including those located in both State and Federal offshore waters. These new regulations became effective on June 23, 1997. In accordance with 30 CFR 254.3(d), the Regional Supervisor may specify how to address the elements of a regional OSRP. A regional OSRP is defined at 30 CFR 254.6 as a spill-response plan that "covers multiple facilities or leases of an owner or operator, including affiliates, which are located in the same MMS Region."

This NTL provides clarification, guidance, and information to operators of facilities and leases located seaward of the coastline regarding who is required to submit a regional OSRP and how to prepare and submit a regional OSRP in the Gulf of Mexico OCS Region (GOMR).

In accordance with 30 CFR 254.1(a), the MMS requires owners or operators of oil handling, storage, or transportation facilities that are located seaward of the coastline to submit spill response plans to the MMS for approval. To implement this requirement in an expedient manner, the GOMR encourages each Outer Continental Shelf (OCS) lease operator to submit a regional OSRP that covers all of its existing OCS oil handling, storage, or transportation facilities and leases in the Gulf of Mexico. The definition of oil includes "oil, condensate that has been injected into a pipeline, or gas and naturally occurring condensate." We do not require owners or operators of OCS facilities, including pipelines, that handle, store, or transport only

“dry” gas to submit a regional OSRP. However, before you determine that you are exempt under this provision, first check with the GOMR. When you do, provide the GOMR with sufficient information to support your conclusion that the facility handles, stores, or transports only “dry” gas by showing that, in the event of a leak, no liquid hydrocarbons would be released into the environment and no “sheen” would be visible on the ocean surface.

In addition, at 30 CFR 250.203(b)(2) and 30 CFR 250.204(b)(3), the MMS requires that each Exploration Plan (EP) and Development Operations Coordination Document (DOCD) include a site-specific OSRP or reference an approved regional OSRP. To implement this requirement in an expedient manner, the GOMR again encourages each OCS lease operator to submit and reference a regional OSRP that covers all of its existing OCS oil handling, storage, or transportation facilities and leases in the Gulf of Mexico.

However, the GOMR will not allow reference to a regional OSRP in an EP or a DOCD proposing activities in the Eastern Planning Area of the Gulf of Mexico. In this case, a lease operator can either (1) submit a site-specific OSRP, in accordance with the requirements at 30 CFR 254.21 through 30 CFR 254.29 with its EP or DOCD, or (2) with GOMR approval, reference an approved subregional OSRP in its EP or DOCD. A subregional OSRP covers leases and facilities in the Eastern Planning Area of the Gulf of Mexico that are in proximity to each other. If you select the option of preparing a subregional OSRP, contact the GOMR (Mr. Rusty Wright at (504) 736-2529) for a determination on the leases and facilities you may include (see 30 CFR 250.3(c)).

Additionally, the GOMR encourages each pipeline right-of-way (ROW) holder in the Gulf of Mexico that has one or more OCS ROW pipelines that transport oil (as defined by 30 CFR 254.6) to submit for approval a regional OSRP that covers its entire OCS ROW pipelines in the Gulf of Mexico. For those OCS ROW pipeline holders that are also OCS lease operators, a regional OSRP can cover both OCS facilities and leases and OCS ROW pipelines.

For oil handling, storage, or transportation facilities and leases located in State waters seaward of the coastline, an owner or operator may choose one of three methods to comply with the OSRP requirement. As described in 30 CFR 254.51, one of these options is for an OCS lease operator or pipeline ROW holder to modify an existing OCS regional OSRP to include facilities in State offshore waters seaward of the coastline.

Procedures

The Attachment to this NTL provides the guidelines for preparing regional and subregional OSRP's in the Gulf of Mexico. The guidelines are effective October 1, 2002.

Once the GOMR approves your regional or subregional OSRP, you must submit updates every two years in accordance with 30 CFR 254.30(a), or sooner if any of the conditions of 30 CFR 254.30(b) become applicable.

In accordance with 30 CFR 254.2(c), you must submit all new and revised regional and subregional OSRP's for approval to:

Minerals Management Service
Regional Supervisor, Field Operations
Gulf of Mexico OCS Region
Attention: Plans Section (MS 5231)
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70130-2394

Submit one copy of each regional and subregional OSRP and any subsequent revisions. When you submit revisions to your regional or subregional OSRP, you must provide a clear set of instructions that indicates what pages to remove from the OSRP and where to place the new inserts.

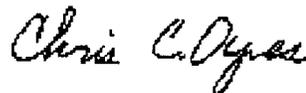
In order to expedite the review of your regional or subregional OSRP, the GOMR encourages you to submit it on CD-ROM instead of paper. If you do, ensure that all files are in portable document format (PDF). Include a hotlinked index in the same order as the table of contents in this NTL. Ensure that the index identifies the location of each section of your OSRP.

Paperwork Reduction Act of 1995 Statement

The collection of information referred to in this NTL provides clarification, description, or interpretation of requirements in 30 CFR 254 and 30 CFR 250, Subpart B. The Office of Management and Budget (OMB) approved the information collection requirements in these regulations under OMB control numbers 1010-0091 and 1010-0049, respectively. This NTL does not impose additional information collection requirements subject to the Paperwork Reduction Act.

Contact

If you have any questions, please contact Mr. Rusty Wright, Field Operations, GOMR office, at (504) 736-2529.



Chris C. Oynes
Regional Director

Attachment

Attachment

Guidelines for Preparing Regional and Subregional Oil Spill Response Plans

October 1, 2002
U.S. Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Region

General Preparation Instructions

Prepare your regional or subregional Oil Spill Response Plan (OSRP) in a manner that demonstrates that your organization has planned for and is prepared to conduct an efficient, coordinated, and effective response to an oil spill. In addition, your OSRP must be consistent with the National Contingency Plan (NCP) and the appropriate Area Contingency Plans (ACP).

The GOMR strongly encourages you to organize and number the sections of your regional or subregional OSRP to coincide with the format outlined in the following pages. You may, however, use an alternate format such as the Integrated Contingency Plan format if you include a detailed cross-reference table that identifies the location of required sections. If you submit your OSRP on paper, provide indexed tabs, referenced to the Table of Contents, to identify each section of your OSRP. Number every page of your OSRP, including text, maps, tables, and other exhibits. Include a notation on each page of your OSRP that indicates the date of its latest revision.

If you want to include additional information in your regional or subregional OSRP that is characteristic of or desired by your organization, but is not addressed by these guidelines, include this information in a manner that does not substantially alter the outline.

Address all items of these guidelines by providing the necessary information in discussions, listings, or by reference. Each regional or subregional OSRP will be an independent document, free from involved extracts from other data sources. Do not include separate planning documents, research results, or manuals of oil spill response organizations or cooperatives as a substitute for the individual organizing and planning necessary for the adequate preparation of your OSRP.

The GOMR will accept references only if the omission of the information does not hinder the ready use of the regional or subregional OSRP by your management and field personnel. When you use references in your OSRP, include the title of the publication and the specific sections or page numbers of the referenced document. List each referenced publication in Appendix I, "Bibliography."

ACRONYMS

	Area C Contingency Plan
DOCD	Development Operations Coordination Document
EP	Exploration Plan
GOMR	Gulf of Mexico OCS Rule
	Incident Action Plan
IC	Incident Commander
	Incident Command Post
	Minerals Management Service
NIIMS	National Interagency Incident Management System
	National Contingency Plan
	Notice to Lessees and Operators
OSRAM	Oil Spill Risk Analysis Model
OCS	Outer Continental Shelf
OSRC	Oil Spill Response Coordinator
OSRO	Oil Spill Removal Organization
	Oil Spill Response Plan
OI	Qualified Individual
ROW	Right of Way
	Spill Management Team
SROC	Spill Response Operations Center
SROT	Spill Response Operations Team

Contents of a Regional or Subregional Oil Spill Response Plan (OSRP)

Section 1. OSRP Quick Guide (Optional)

Provide a concise set of easy-to-follow instructions that includes required actions that should be immediately taken, and notifications that must be made, in the event you have an oil spill. Flow charts, check lists, and tables may be used as considered appropriate.

Section 2. Preface

a. Table of Contents - Provide a table of contents. The section titles and numbering should be consistent with the following outline:

- Section 1. OSRP Quick Guide (Optional)
- Section 2. Preface
 - a. Table of Contents
 - b. Record of Revisions
 - c. Cross-Reference Table
- Section 3. Introduction
 - a. Companies Covered
 - b. Purpose and Use
 - c. Types of Leases and ROW Pipelines
 - d. Facility Information Statement
 - e. Coverage Area
 - f. Contract Certification Statement
- Section 4. Organization
 - a. Qualified Individual
 - b. Spill Management Team
 - c. Spill Response Operating Team
 - d. Oil Spill Removal Organizations
- Section 5. Spill Response Operations Center and Communications
 - a. Spill Response Operations Center
 - b. Communications
- Section 6. Spill Detection and Source Identification and Control
 - a. Spill Detection
 - b. Pipeline Spill Detection and Location
 - c. Source Control
- Section 7. QI, SMT, SROT, and OSRO Notifications
 - a. Reporting Procedures
 - b. Company Contact Information
 - c. SROT Contact Information
 - d. OSRO Contact Information
 - e. Internal Spill Reporting Forms

- Section 8. External Notifications
 - a. Reporting Procedures
 - b. External Contact Information
 - c. External Spill Reporting Forms
- Section 9. Available Technical Expertise
- Section 10. Spill Assessment
 - a. Locating a Spill
 - b. Determining the Size and Volume of a Spill
 - c. Predicting Spill Movement
 - d. Monitoring and Tracking the Spill Movement
- Section 11. Resource Identification
- Section 12. Strategic Response Planning
- Section 13. Resource Protection Methods
- Section 14. Mobilization and Deployment Methods
- Section 15. Oil and Debris Removal Procedures
 - a. Offshore Procedures
 - b. Shallow Water Procedures
- Section 16. Oil and Debris Disposal Procedures
- Section 17. Wildlife Rehabilitation Procedures
- Section 18. Dispersant Use Plan
 - a. Dispersants Inventory
 - b. Toxicity Data
 - c. Dispersant Effectiveness
 - d. Application Equipment
 - e. Application Methods
 - f. Conditions for Use
 - g. Approval Procedures and Forms
- Section 19. *In Situ* Burning Plan
 - a. *In Situ* Burning Equipment
 - b. Procedures
 - c. Environmental Effects
 - d. Safety Provisions
 - e. Conditions for Use
 - f. Decision Processes
 - g. Approval Procedures and Forms
- Section 20. Alternative Chemical and Biological Response Strategies (Optional)
 - a. Product Inventory
 - b. Toxicity Data
 - c. Application Equipment
 - d. Application Methods
 - e. Conditions for Use
 - f. Approval Procedures and Forms

Section 21 Documentation

Appendix A. Facility Information

- a. Table 1
- b. Table 2
- c. Table 3
- d. Table 4

Appendix B. Training Information

- a. OSRC/IC, SMT, and QI
- b. Other SMT Members
- c. SROT
- d. Location of Records

Appendix C. Drill Information

Appendix D. Contractual Agreements

Appendix E. Response Equipment

- a. Equipment Inventory
- b. Inspection and Maintenance Programs

Appendix F. Support Services and Supplies

Appendix G. Notification and Reporting Forms

- a. Internal Spill Reporting Forms
- b. External Spill Reporting Forms

Appendix H. Worst Case Discharge Scenarios

- a. Worst Case Discharge Scenario Selection
- b. Worst Case Discharge Scenario Discussion

Appendix Oceanographic and Meteorological Information for Subregional OSRP's

- a. Oceanographic information
- b. Meteorological information

Appendix J Bibliography

b. Record of Revisions - Provide a record of revisions made to the regional or subregional OSRP. Indicate whether a revision is a biennial update, an amendment (a change to a regional OSRP pending approval), or a modification (a change to an approved OSRP). Indicate when each revision was made, the section affected, and the type of revision (e.g., biennial update, amendment, or modification).

c. Cross-Reference Table - Provide a cross-reference table that identifies the location of the required sections if an alternative format is used. Present the cross-reference table in the same order as the table of contents outlined in paragraph a.

Section 3. Introduction

a. Companies Covered - Indicate the corporate name of all of the OCS lease operators, OCS pipeline right-of-way (ROW) holders, and owners or operators of State leases and State ROW

pipelines covered by your regional or subregional OSRP. Include a listing of all affiliates covered by your OSRP and specifically describe the corporate relationship. For each OCS or State operator and OCS or State pipeline ROW holder covered, provide the MMS or State company identification code, as appropriate.

b. Purpose and Use - Provide a paragraph describing the purpose of your regional or subregional OSRP and, if appropriate, brief instructions for its use during an oil spill response.

c. Types of Leases and ROW Pipelines - Indicate the types of leases and ROW pipelines (i.e., OCS leases, OCS ROW pipelines, State facilities, State ROW pipelines) that are covered by your regional or subregional OSRP by completing the following table.

Type of Leases and ROW Pipelines	Yes	No
Federal Leases		
Federal ROW Pipelines		
State Facilities		
State ROW Pipelines		

d. Facility Information Statement - State that Appendix A, "Facility Information," includes the listing of all of your facilities covered by your regional or subregional OSRP.

e. Coverage Area - For subregional OSRP's, describe the geographic boundaries of the area that is covered by the OSRP and include a list of your leases (including OCS Area and Block No.) that are in the covered area.

f. Contract Certification Statement - State that contracts/agreements are in effect that will provide immediate access to appropriate spill response equipment and personnel. Provide the name of your primary spill response equipment provider(s).

Section 4. Organization

a. Qualified Individual - Provide the name and position and describe the duties and responsibilities of your designated, trained qualified individual (QI). This person must have full authority to obligate funds, implement response actions, and immediately notify appropriate Federal officials and response organizations. This authority must be clearly expressed in this section. Make reference to Appendix B, "Training Information," for a description of the training the QI has received.

b. Spill Management Team

i. You are encouraged to structure your spill management team (SMT) using the National Interagency Incident Management System (NIIMS) format (e.g., Incident Command,

Logistics, Operations, Planning, Finance). Provide the names and describe the duties, responsibilities, and authorities of each SMT member. Sufficient SMT members must be designated and available such that the duties of each individual position on the SMT can be fulfilled on a 24-hour per day basis.

ii. The SMT must include a designated trained oil spill response coordinator (OSRC)/Incident Commander (IC) and alternate(s). The OSRC/IC and alternate(s) must have been delegated the responsibility and authority to direct and coordinate response operations. The QI and the OSRC/IC may be the same individual.

iii. For any members of the SMT who are not employees of your organization, briefly discuss the terms of the contracts/agreements you have with them and make reference to Appendix D, "Contractual Agreements."

iv. Make reference to Appendix B, "Training Information," for identification of the training the SMT members responsible for spill management decisionmaking have received.

c. Spill Response Operating Team

Describe the makeup of your Spill Response Operating Team (SROT). This team will consist of trained, prepared, and available (on a 24-hour per day basis) personnel and their field supervisors who will deploy and operate oil spill response equipment and materials. Identify the organizations that will provide personnel for this team and include the number and types of personnel available from each. Briefly discuss the terms of the contracts/agreements you have with them and make reference to Appendix D, "Contractual Agreements." Make reference to Appendix B, "Training Information," for a description of the training the members of your SROT have received.

d. Oil Spill Removal Organizations

i. Identify and describe the OSRO(s) who will provide oil spill response materials and supplies, equipment, and dedicated vessels to you in the event you have an oil spill. The supplied equipment and materials will be of sufficient quantity and recovery capacity to respond effectively to oil spills from the facilities and leases covered by your regional or subregional OSRP. Make reference to Appendix E, "Response Equipment," for a current inventory of supplied equipment and materials. Briefly discuss the terms of the contracts/agreements you have with them and make reference to Appendix D, "Contractual Agreements."

ii. Briefly describe the support services you may require in the event you have an oil spill. Make reference to Appendix F, "Support Services and Supplies," for a directory of these services.

Section 5. Spill Response Operations Center and Communications

a. Spill Response Operations Center - Provide a discussion of the features and capabilities of your preplanned spill response operations center/incident command post (SROC/ICP). Include the street address and a map pinpointing the center's location.

b. Communications - Provide a description of the primary and alternate communication systems that will be used to direct and coordinate your response to an oil spill. Include the telephone number(s) of the SROC/ICP and other telephone numbers that will be used. Also include the facsimile numbers and primary and secondary radio frequencies that will be used.

Section 6. Spill Detection and Source Identification and Control

a. Spill Detection - Describe the general procedures that have been developed and instituted by your organization to ensure that oil spills are detected as soon as possible after they occur.

b. Pipeline Spill Detection and Location - If your regional or subregional OSRP covers pipelines, briefly describe the procedures you will use to verify that pipeline integrity has been breached and how you will determine the exact location of the leak.

c. Source Control - Briefly describe the general procedures that have been developed and instituted by your organization to ensure that the source of a discharge is controlled as soon as possible after a spill occurs.

Section 7. QI, SMT, SROT, and OSRO Notifications

a. Reporting Procedures - Describe the procedures by which an oil spill is reported from the field to responsible company officials. Include a description of the procedures you will use to mobilize your QI, SMT, and SROT. Where appropriate, the procedures should show spill notification response levels for differing spill sizes.

b. Company Contact Information - Provide a listing of the following individuals and include the work address, work and off-duty telephone numbers, and fax number (as appropriate) for each.

- i. QI and alternate(s)
- ii. OSRC/IC and alternate(s)
- iii. SMT members and alternates
- iv. Company SROT members

c. SROT Contact Information - Provide a listing of firms that will be contacted to provide personnel for your SROT and include each firm's address, work and off-duty telephone numbers, and fax number (as appropriate).

d. OSRO Contact Information - Provide a list of the names, telephone numbers, addresses, and a brief description of the primary organizations that provide oil spill response materials and supplies, equipment, and trajectory simulation services to you in the event of an oil spill. Make reference to Appendix F, "Support Services and Supplies," for a directory of additional personnel, materials and supplies, equipment, and services.

e. Internal Spill Reporting Forms - Make reference to Appendix G, "Notification and Reporting Forms," for copies of appropriate company spill incident reporting forms.

Section 8. External Notifications

a. Reporting Procedures - Describe the procedures by which you report an oil spill to Federal, State, and local regulatory agencies that must be notified or contacted when you have an oil spill. As applicable, indicate time-frames within which you must make verbal notifications and submit written reports.

b. External Contact Information - Provide the following contact information

The telephone number of the U.S. Coast Guard National Response Center.

ii. The telephone numbers, emergency beeper numbers, and addresses of the GOMR offices (see NTL No. 2000-G14 for procedures, boundaries, and contact information) that must be notified when you have an oil spill of one barrel or more.

c. External Spill Reporting Forms - Make reference to Appendix G, "Notification and Reporting Forms," for copies of spill incident reporting forms. These forms will be consistent with those included in applicable ACP's.

Section 9. Available Technical Expertise

Provide a current list of the names, telephone numbers, and addresses of Federal, State, and local agencies and other entities that you may consult to obtain site-specific environmental information when you have an oil spill. These may include the U.S. Fish and Wildlife Service, the National Marine Fisheries Service, academia, consultants, and various refuge and park managers.

Section 10. Spill Assessment

a. Locating a Spill - Describe the methods you will use to locate an oil spill.

b. Determining the Size and Volume of a Spill - Describe the methods you will use to determine the size and volume of an oil spill. Include charts or other aids you use in this process.

c. Predicting Spill Movement - Discuss how you will use real-time oil spill trajectory simulations to predict the movement of an oil spill. Describe the input variables required (e.g., wind, current, sea state, spill size), the means by which this information will be obtained, and the communications network for the transmission of the information. Include copies of necessary data collection forms.

If you have leases or facilities in the Flower Garden Banks Oil Spill Planning Area (see description in Appendix H), make sure that you have provisions for obtaining real-time onsite meteorological information to use in your trajectory simulations in the event of a spill. You may obtain this meteorological information by using an established and recognized data gathering system (such as that developed by the “Flower Garden Banks Oil Spill Planning Area Joint Industry Project” or equivalent system) or by installing the necessary equipment at your facility.

d. Monitoring and Tracking Spill Movement - Discuss the methods and techniques you will use to track and monitor the movement of an oil spill.

Section 11. Resource Identification

Discuss the process you will use to identify beaches, waterfowl, other marine and shoreline resources, and areas of special economic or environmental importance that could be impacted by an oil spill. As part of this discussion, you must identify the map sources, databases, or other resources you will use in carrying out this process. Ensure that your identification process includes contacting appropriate resource agencies and is compatible with appropriate ACPs.

Section 12. Strategic Response Planning

Discuss the process you will use to determine your response priorities and strategies. The discussion must also indicate how you establish initial objectives and develop subsequent incident action plans. As part of this discussion, you must include procedures to prioritize beaches, waterfowl, other marine and shoreline resources, and areas of special economic or environmental importance. Ensure that your prioritization process includes contacting appropriate resource agencies and is compatible with appropriate ACP's.

Section 13. Resource Protection Methods

Briefly summarize the methods you will use to protect beaches, waterfowl and other wildlife, other marine and shoreline resources, and areas of special economic or environmental importance. Describe under what conditions stated methods would be applicable (e.g., sea state, spill size, beach environment, oil type). Ensure that your methods are compatible with appropriate ACP's.

Section 14. Mobilization and Deployment Methods

Discuss your methods to ensure that containment and recovery equipment as well as the response personnel are mobilized and deployed at the spill site and projected impact locations. This discussion must include details on efforts to ensure shortest possible response times through selection of appropriate vessels of opportunity, equipment base locations, transportation methods and routes, and other logistical support.

Section 15. Oil and Debris Removal Procedures

a. Offshore Procedures - Discuss your procedures to contain and remove oil and oiled debris from offshore waters. This discussion should describe containment and removal alternatives. Include advantages and disadvantages associated with each alternative.

b. Shallow Water Procedures - Discuss your procedures to remove oil and oiled debris from shallow waters and along shorelines. This discussion should describe removal alternatives for various shoreline habitats. Include the advantages and disadvantages associated with each alternative.

Section 16. Oil and Debris Disposal Procedures

Discuss your procedures to store, transfer, and dispose of recovered oil and oil-contaminated materials and to ensure that all disposal is in accordance with Federal, State, and local requirements. Discuss your methods to ensure that devices for the storage of recovered oil are sufficient to allow containment and recovery operations to continue without interruption. Discuss your procedures for obtaining authorization to decant water collected during removal operations. Include a description of the various equipment, methods, and contractors that would be employed for the offshore and onshore transport of such materials and a listing of potential disposal sites including their locations and the types of materials they will accept.

Section 17. Wildlife Rehabilitation Procedures

Discuss your procedures to rehabilitate waterfowl and other wildlife that have become oiled. Include in your discussion how you will obtain authorization to initiate capturing and cleaning of oiled wildlife. Provide a plan identifying the personnel, equipment, and supplies that will be utilized to establish and operate a rehabilitation station.

Section 18. Dispersant Use Plan

Provide your dispersant use plan. It must be consistent with the NCP and the appropriate ACP(s). All dispersants cited in your plan must be included on the NCP Product Schedule. Your dispersant use plan must include:

- a. Dispersants Inventory - An inventory showing type, quantity, and location of the dispersants that you might use on an oil spill.
- b. Toxicity Data - A summary of toxicity data for these products.
- c. Dispersant Effectiveness - A discussion of the effectiveness of dispersants over time on spilled oil.
- d. Application Equipment - An inventory that includes a description and a location of dispersant application equipment.
- e. Application Methods - A discussion of the application procedures including information on rates of application.
- f. Conditions for Use - A discussion of the conditions under which dispersant use may be requested.
- g. Approval Procedures and Forms - An outline of the procedures you must follow in obtaining approval for product use including discussion of any preapproval process. Include copies of the applicable up-to-date forms that you will use in the approval process.

Section 19. *In Situ* Burning Plan

Provide your *in situ* burning plan. Your *in situ* burning plan must be consistent with any guidelines authorized by the NCP and the appropriate ACP(s). Your *in situ* burning plan must include:

- a. *In Situ* Burning Equipment - A description of the *in situ* burning equipment including its availability, location, and owner.
- b. Procedures - A discussion of your *in situ* burning procedures, including provisions for ignition of an oil spill.
- c. Environmental Effects - A brief discussion of environmental effects of an *in situ* burn.
- d. Safety Provisions - Your provisions for ensuring the safety of personnel and property during an *in situ* burn.
- e. Conditions for Use - A discussion of the circumstances in which *in situ* burning may be appropriate.
- f. Decision Processes - Your guidelines for making the decision to ignite.

g. Approval Procedures and Forms - An outline of the procedures you must follow to obtain approval for an *in situ* burn including discussion of any preapproval process. Include copies of the applicable up-to-date forms that you will use in the approval process.

Section 20. Alternative Chemical and Biological Response Strategies (Optional)

Provide a discussion of alternative chemical and biological response strategies (the use of collecting agents, bioremediation, etc). Alternative strategies must be consistent with the NCP and the appropriate ACP(s). Chemical and biological products cited must be included on the NCP Product Schedule. This section should include:

a. Product Inventory - An inventory showing type, quantity, and location of the products that you might use on an oil spill.

b. Toxicity Data - A summary of toxicity data for these products.

c. Application Equipment - An inventory that includes a description and a location of product application equipment.

d. Application Methods - A discussion of the application procedures including, if applicable, information on rates of application.

e. Conditions for Use - A discussion of the conditions under which product use may be requested.

f. Approval Procedures and Forms - An outline of the procedures you must follow in obtaining approval for product use, including discussion of any preapproval process. Include copies of the applicable up-to-date forms that you will use in the approval process.

Section 21. Documentation

Provide a discussion of your procedures to document the operational and support aspects of your oil spill response actions. Include your procedures to record your discussions and actions taken. Include copies of or reference a source for obtaining applicable forms.

APPENDICES

Appendix A. Facility Information

As referenced in Section 3.d of this NTL, complete the attached tables based on the instructions below, as applicable.

- a. Table 1 - List your existing OCS production platforms and satellite structures alphabetically by area designation and numerically by OCS Block for each company or subsidiary covered by the OSRP.
- b. Table 2 - List your existing OCS ROW pipelines by departing area/block for each company or subsidiary covered by the OSRP.
- c. Table 3 - List your existing production platforms and satellite structures in State waters seaward of the coastline alphabetically by area designation and numerically by block for each company or subsidiary covered by the OSRP.
- d. Table 4 - List your existing State ROW pipelines in State waters seaward of the coastline by departing area/block for each company or subsidiary covered by the OSRP.

Note that Tables 1 and 3 require determination of a potential worst-case discharge rating. To arrive at the rating, estimate the facility worst-case discharge volume that could occur, select the appropriate rating from below, and enter the rating in column 10. Volumes should be estimated using criteria in 30 CFR 254.47. Please note that if your worst-case discharge volume is in excess of 20,000 barrels (Rating E) or if the well included in your worst-case volume calculations has a daily production rate of greater than 2,500 barrels per day, you must complete Columns 11, 12, and 13 of Tables 1 and 3 for that facility.

<u>Rating</u>	<u>Volume (Barrels)</u>
A	0 - 1,000
B	1,001-3,000
C	3,001-10,000
D	10,001-20,000
E	20,001 +

Appendix A, Table 1**FACILITY INFORMATION - PRODUCTION PLATFORMS AND SATELLITE STRUCTURES IN OCS WATERS**

1	2	3	4	5	6	7	8	9	10	11	12	13
AREA	BLOCK	LEASE	FAC. NAME	FAC. ID	WATER DEPTH	LAT. LONG	DIST. SHORE	API. GRAV.	RATING	HIGH. WELL	ALL STOR.	THRU. VOL.

1. Provide the 2-letter MMS area designation of the facility (e.g., MP, PS, WC).
2. Provide the OCS Block No. of the facility (e.g., 25, 251, A-375).
3. Provide the OCS Lease No. of the facility (e.g., 091, 0425, G 10112).
4. Provide the facility designation (e.g., No. 2, A, JA).
5. Provide the 5-digit MMS complex identification number for the facility.
6. Provide the water depth at the site of the facility in feet.
7. Provide the latitude and longitude of the facility in degrees and decimal minutes (e.g., 28°25.35'N, 90°09.08'W).
8. Provide the distance from the facility to the nearest shoreline in miles.
9. Provide the API Gravity of the densest oil being produced or stored at the facility.
10. Enter the appropriate worst-case discharge volume rating (e.g., A, B, C, D, or E).
11. If "Rating" in column 10 is "E" or if high rate well has a daily flow rate greater than 2,500 barrels, provide the rate that oil is being produced in barrels per day from an uncontrolled flow of the highest capacity well at the facility.
12. If "Rating" in column 10 is "E" or if high rate well has a daily flow rate greater than 2,500 barrels, provide the total volume in barrels of all tanks on the facility used for the storage of oil including production (e.g., fuel oil including diesel fuel, corrosion inhibitors).
13. If "Rating" in column 10 is "E" or if high rate well has a daily flow rate greater than 2,500 barrels, provide the throughput volume in barrels of oil per day of the lease term pipelines that depart the facility.

Appendix A, Table 2

FACILITY INFORMATION - ROW PIPELINES IN OCS WATERS

1	2	3	4	5	6	7	8	9	10	11	12	13	14
FROM	LAT. LONG.	TO	LAT. LONG.	F/S BOUND.	SEG NO.	ROW NO.	LENGTH	SIZE	API GRAV.	LEAK DETECT. SYSTEM	THRU. VOL	DIST. SHORE	APPURT. PLATFORM

1. Provide the 2-letter MMS area designation and the OCS Block No. of the originating point of the ROW pipeline (e.g., WC 425, HI A-375).
2. Provide the latitude and longitude of the originating point of the ROW pipeline in degrees and decimal minutes (e.g., 28°25.35'N, 90°09.08'W).
3. Provide the 2-letter MMS area designation and the OCS Block No. of the terminus of the ROW pipeline (e.g., WC 425, HI A-375).
4. Provide the latitude and longitude of the terminus of the ROW pipeline in degrees and decimal minutes (e.g., 28°25.35'N, 90°09.08'W).
5. Indicate whether the ROW pipeline either terminates or originates at the Federal/State boundary (i.e., yes, no).
6. Provide the 5-digit MMS Segment No. of the ROW pipeline (e.g., 00006, 01234, 11456).
7. Provide the OCS ROW No. of the ROW pipeline (e.g., 092, 0436, G 10992).
8. Provide the length of the ROW pipeline in feet.
9. Provide the internal diameter of the ROW pipeline in inches.
10. Provide the API Gravity of the oil being transported by the ROW pipeline.
11. Indicate whether the ROW pipeline is monitored by a leak detection system (i.e., yes, no).
12. Provide the throughput volume in barrels of oil per day of the ROW pipeline.
13. Provide the distance to shore of the point of the ROW pipeline that is nearest to the shoreline in miles.
14. Indicate whether the ROW pipeline has an associated appurtenance platform(s) (i.e., yes, no).

Appendix A, Table 3

**FACILITY INFORMATION - PRODUCTION PLATFORMS AND SATELLITE STRUCTURES IN STATE WATERS
SEAWARD OF THE COASTLINE**

1	2	3	4	5	6	7	8	9	10	11	12	13
AREA	BLOCK	LEASE	FAC. NAME	FAC. ID	WATER DEPTH	LAT. LONG	DIST. SHORE	API GRAV.	RATING	HIGH. WELL	ALL STOR.	THRU. VOL.

1. Provide the 2-letter MMS area designation of the State facility (e.g., MP, PS, WC).
2. Provide the State Block No. of the State facility.
3. Provide the State Lease No. of the State facility.
4. Provide the State facility designation.
5. Provide the State-assigned identification number for the facility.
6. Provide the water depth at the site of the State facility in feet.
7. Provide the latitude and longitude of the State facility in degrees and decimal minutes (e.g., 28°25.35'N, 90°09.08'W).
8. Provide the distance from the facility to the nearest shoreline in miles.
9. Provide the API Gravity of the densest oil being produced or stored at the State facility.
10. Enter the appropriate worst-case discharge volume rating (e.g., A, B, C, D, or E).
11. If "Rating" in column 10 is "E" or if high rate well has a daily flow rate greater than 2,500 barrels, provide the rate that oil is being produced in barrels per day from an uncontrolled flow of the highest capacity well at the State facility.
12. If "Rating" in column 10 is "E" or if high rate well has a daily flow rate greater than 2,500 barrels, provide the total volume in barrels of all tanks on the State facility used for the storage of oil including production (e.g., fuel oil including diesel fuel, corrosion inhibitors).
13. If "Rating" in column 10 is "E" or if high rate well has a daily flow rate greater than 2,500 barrels, provide the throughput volume in barrels of oil per day of the lease term pipelines that depart the facility.

Appendix A, Table 4

FACILITY INFORMATION - ROW PIPELINES IN STATE WATERS SEAWARD OF THE COASTLINE

1	2	3	4	5	6	7	8	9	10	11	12	13	14
FROM	LAT. LONG.	TO	LAT. LONG.	F/S BOUND.	ID. NO.	ROW NO.	LENGTH	SIZE	API. GRAV.	LEAK DETECT. SYSTEM	THRU VOL.	DIST. SHORE	APPURT. PLATFORM

1. Provide the 2-letter MMS area designation and the Block No. of the originating point of the State ROW pipeline (e.g., SP 2, EI 21).
2. Provide the latitude and longitude of the originating point of the State ROW pipeline in degrees and decimal minutes (e.g., 28°25.35'N, 90°09.08'W).
3. Provide the 2-letter MMS area designation and the Block No. of the terminus of the State ROW pipeline or the point at which the ROW pipeline crosses the coastline (e.g., HI 96, SS 10).
4. Provide the latitude and longitude of the terminus of the State ROW pipeline (if in State waters) or the point at which the ROW crosses the coastline in degrees and decimal minutes (e.g., 28°25.35'N, 90°09.08'W).
5. Indicate whether the ROW pipeline either terminates or originates at the Federal/State boundary (i.e., yes, no).
6. Provide the State-assigned identification number of the State ROW pipeline, if assigned.
7. Provide the State-assigned ROW No. of the State ROW pipeline.
8. Provide the length of the State ROW pipeline in feet.
9. Provide the internal diameter of the State ROW pipeline in inches.
10. Provide the API Gravity of the oil being transported by the State ROW pipeline.
11. Indicate whether the State ROW pipeline is monitored by a leak detection system (i.e., yes, no).
12. Provide the throughput volume in barrels of oil per day of the State ROW pipeline.
13. Provide the distance to shore of the point of the ROW pipeline that is nearest to the shoreline in miles.
14. Indicate whether the ROW pipeline has an associated appurtenance platform(s) (i.e., yes, no).

Appendix B. Training Information

a. OSRC/IC, SMT, and QI - Identify and include the date of the most recent annual classroom training provided to the OSRC/IC and alternate(s), members of your SMT responsible for spill management decisionmaking, and the QI. The training requirements for the OSRC/IC and alternate(s) and members of the SMT responsible for spill management decisionmaking are specified in 30 CFR 254.41(b).

b. Other SMT Members - Describe the types of training given to the other members of your SMT.

c. SROT - Describe the training given to the members of your SROT. The training requirements for your SROT are specified in 30 CFR 254.41(a).

d. Location of Records - Identify the location(s) where course completion certificates or attendance records for all required training are kept.

Appendix C. Drill Information

Describe in detail your plans for satisfying the exercise requirements of 30 CFR 254.42. Identify the location where you keep the records of these exercises.

Appendix D. Contractual Agreements

Furnish proof of any contracts or membership agreements with OSRO's, cooperatives, SROT organizations, and spill management team members who are not your employees and will provide equipment, personnel, materials, and support vessels that you will use to contain and recover your worst-case discharge. To provide this proof, submit copies of the contracts or membership agreements or certify that contracts or membership agreements are in effect. Each contract or membership agreement must include provisions for ensuring the availability of the personnel and/or equipment on a 24-hour per day basis.

If you choose to provide a copy of a contract or membership agreement, the document will clearly show the service provider and dates of coverage and contain authorizing signatures of company representatives and service providers. If applicable, your contract or membership agreement will also specifically state that contracted SMT members have been delegated the commensurate authority to fulfill their assigned SMT responsibilities.

If you choose to certify that contracts or membership agreements are in effect, and you only have one such contract or membership agreement in place, you must provide the following statement submitted on company letterhead and signed by the authorizing company representative: "I hereby certify that (*company name*) currently has a contract or membership agreement with (*service provider name*). It is effective from (*beginning date*) to (*ending date*). The subject contract or membership agreement provides immediate access to available personnel and/or equipment on a 24-hour per day basis." If applicable, your certification will also state "All

contracted SMT members have been delegated the commensurate authority to fulfill their assigned SMT responsibilities.” The certification statement should include each OSRO, cooperative, and provider of SMT members that will provide equipment, personnel, materials, and support vessels that you will use to contain and recover your worst-case discharge.

If you choose to certify that contracts or membership agreements are in effect, and you have more than one such contract or membership agreement in place, you must provide the following statement submitted on company letterhead and signed by the authorizing company representative: “I hereby certify that (*company name*) currently has contracts or membership agreements with the service providers listed below:

<u>Service Provider</u>	<u>Begin Date</u>	<u>End Date</u>
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The subject contracts or membership agreements provide immediate access to available personnel and/or equipment on a 24-hour per day basis.” If applicable, your certification will also state “All contracted SMT members have been delegated the commensurate authority to fulfill their assigned SMT responsibilities.” The certification statement should include each OSRO, cooperative, SROT organization, and provider of SMT members that will provide equipment, personnel, materials, and support vessels that you will use to contain and recover your worst-case discharge.

Appendix E. Response Equipment

a. Equipment Inventory - Provide a current inventory of oil spill response materials and supplies, equipment, and dedicated response vessels available locally and regionally from the primary spill response equipment provider(s) cited in your OSRP. The inventory should be sorted by location. It should also be sorted by type, except in cases where dissimilar pieces of equipment form a response package. As appropriate, capacities should be shown for each piece of equipment including skimmers, prime movers, and storage containers. For other equipment such as boom, provide a description, e.g., 42-inch offshore inflatable boom, 18-inch shallow-water boom.

b. Inspection and Maintenance Programs - Describe the inspection and maintenance programs required by 30 CFR 254.43 and include intervals in which inspections are conducted. Describe the inspections and maintenance records that are kept. State that a copy of these records is available at the location where the equipment is stored.

Appendix F. Support Services and Supplies

Provide a directory of additional key personnel, materials and supplies, equipment, and services available locally and regionally that includes names of organizations, description of services available, and telephone and fax numbers. For example, this directory may include wildlife rehabilitation services; air, land, and marine transportation suppliers; onshore disposal sites; barge suppliers; food services; consultants; labor pools; motels; diving companies; infrared camera services; chemical and biological product and service suppliers; etc.

Appendix G. Notification and Reporting Forms

- a. Internal Spill Reporting Forms - Provide copies of appropriate company spill incident reporting forms.
- b. External Spill Reporting Forms - Provide copies of external (Federal, State, and local regulatory agencies) spill incident reporting forms consistent with those included in applicable ACP's.

Appendix H. Worst Case Discharge Scenarios

- a. Worst Case Discharge Scenario Selection - Select worst case discharge scenarios that could result from the leases and facilities covered by your regional or subregional OSRP as described in the following:
 - (i) Where applicable, select at least one worst case scenario for your leases and facilities located within ten miles seaward of the coastline.
 - (ii) Where applicable, select at least one worst case scenario for your leases and facilities located beyond ten miles seaward of the coastline.
 - (iii) Where applicable, select at least one worst case scenario for your leases and facilities located in the Flower Garden Banks Oil Spill Planning Area (see description below).
 - (iv) Where applicable, select at least one worst case scenario for your mobile rig exploration drilling operations.
 - (v) If you select the option of preparing a subregional OSRP, contact the GOMR (Mr. Rusty Wright at (504) 736-2529) for a determination on the number and type of worst case discharge scenarios you may include. The GOMR will consider the location, results from Oil Spill Risk Analysis (OSRA) model runs, etc. before making this determination (see 30 CFR 250.3(c)(4)).

Provide a detailed discussion of the factors (e.g., type of operation; volume of oil; type of oil; seasonal variations; proximity to beaches, waterfowl, other marine and shoreline resources, and areas of special economic or environmental importance) that you considered in making these selection(s).

Flower Garden Banks Oil Spill Planning Area means that area of the Gulf of Mexico OCS consisting of the following blocks:

HI A-324	HI A-348	HI A-367	HI A-385	HI A-402	GB 136	GB 221	GB 271	EB 215
HI A-325	HI A-351	HI A-368	HI A-386	HI A-403	GB 138	GB 222	GB 309	EB 216
HI A-326	HI A-352	HI A-373	HI A-387	HI A-547	GB 139	GB 223	GB 310	EB 217
HI A-327	HI A-353	HI A-374	HI A-388	HI A-572	GB 140	GB 224	GB 311	EB 259
HI A-328	HI A-354	HI A-375	HI A-389	HI A-573	GB 141	GB 225	GB 312	EB 260
HI A-331	HI A-355	HI A-376	HI A-390	HI A-574	GB 177	GB 226	GB 313	EB 261
HI A-332	HI A-356	HI A-377	HI A-394	HI A-595	GB 178	GB 227	GB 314	EB 304
HI A-333	HI A-360	HI A-378	HI A-395	HI A-596	GB 179	GB 228	GB 355	EB 128
HI A-334	HI A-361	HI A-379	HI A-396	GB 95	GB 180	GB 265	GB 356	
HI A-335	HI A-362	HI A-380	HI A-397	GB 96	GB 181	GB 266	GB 357	
HI A-344	HI A-363	HI A-381	HI A-398	GB 97	GB 182	GB 267	GB 359	
HI A-345	HI A-364	HI A-382	HI A-399	GB 133	GB 183	GB 268	EB 128	
HI A-346	HI A-365	HI A-383	HI A-400	GB 134	GB 184	GB 269	EB 172	
HI A-347	HI A-366	HI A-384	HI A-401	GB 135	GB 185	GB 270	EB 173	

HI = High Island; GB = Garden Banks; EB = East Breaks

b. **Worst Case Discharge Scenario Discussion** - Provide a discussion for each of your worst case discharge scenario(s) to include all of the following elements:

(i) **Facility Information** - The type of operation, the facility name and identification number or the pipeline segment/identification number, the area and block number where the spill originates, and the distance in miles from shore. If the type of operation is an exploration well from a mobile drilling unit, provide the area and block number where the spill originates, the API gravity, and the distance from shore in miles.

(ii) **Volume** - The volume of oil of your worst case discharge scenario determined using the criteria in 30 CFR 254.47. Provide any assumptions you make and the supporting calculations you use to determine this volume. If the worst case scenario is an oil discharge from an oil production facility, calculate the initial volume of the scenario in accordance with the requirements of 30 CFR 254.47(a). If the worst case scenario above is an oil discharge during drilling operations, calculate the initial volume of the scenario in accordance with the requirements of 30 CFR 254.47(b). If the worst case scenario above is an oil discharge from a ROW pipeline, calculate the initial volume of the scenario in accordance with the requirements of 30 CFR 254.47(c). To determine the daily discharge rate from an uncontrolled blowout for an oil production facility scenario or a drilling operations scenario, consider the following, as appropriate:

- (1) reservoir characteristics;
- (2) reservoir pressure data;
- (3) reservoir drive mechanisms;
- (4) reservoir depletion rates;
- (5) wellbore completion configurations;
- (6) casing and production tubing sizes;
- (7) casing and tubing friction factors;
- (8) production history;
- (9) static and flowing bottom-hole pressures;
- (10) skin damage;
- (11) water intrusion;

- (12) coning;
- (13) formation sloughing;
- (14) bridging;
- (15) other pressure/temperature/volume characteristics;
- (16) fluid flow regimes;
- (17) hydrostatic pressure; and
- (18) average daily flow rate over 30 days.

(iii) Land Segment Identification - The onshore areas, by land segment, that your worst case discharge potentially could contact by using the MMS Oil Spill Risk Analysis Model (OSRAM) trajectory results specific to the area in which the lease or facility is located. You can find the OSRAM trajectory results and instructions on the Internet MMS GOMR homepage at <http://www.gomr.mms.gov/homepg/lseale/osra/OSRA.htm>. You can obtain hard copies of the results and instructions by contacting the GOMR Public Information Office at (504)736-2519 or 1-800-200-GULF. If you are discussing a worst case discharge scenario for a lease or facility located in the Flower Garden Banks Oil Spill Planning Area (see Item No. 1.c. above), identify the Flower Garden Banks as the potentially contacted area instead of a land segment.

(iv) Resource Identification - A list or map of the resources of special economic or environmental importance that could be impacted for the highest probability land segment. At a minimum, include on the list or map those resources of special economic and environmental importance, if any, specified in the appropriate ACP(s). If you are discussing a worst case discharge scenario for a lease or facility located in the Flower Garden Banks Oil Spill Planning Area (see Item No. 1.c. above), identify the resources of the Flower Garden Banks (including seasonal variations) on the list or map instead of the resources of a land segment. Include the strategies you would use to protect the identified resources.

(v) Response - Your response to your worst case discharge scenario in adverse weather conditions. You may formulate your response to a volume of oil less than the volume of oil in your worst case discharge scenario(s) on the basis of such factors as persistence of the oil in the environment. If you use a lesser volume, provide your assumptions and calculations. Include the following in the discussion of your responses to your worst case discharge scenario(s):

(1) A description of the response equipment that you will use to contain and recover the discharge to the maximum extent practicable. Include in this discussion the types, quantity, and capabilities of the equipment and the name and location of the person(s) or organization(s) that would provide the equipment. Include also the effective daily recovery capacities, where applicable. Calculate the effective daily recovery capacities using the methods described in 30 CFR 254.44. For operations at a drilling or production facility, show in your scenario how you will cope with the initial spill volume upon arriving at the scene and then support operations for a blowout lasting 30 days. If appropriate, you may use alternative response techniques, such as dispersant use and *in situ* burning, to remove the discharge, in addition to or partially in lieu of containment and/or mechanical recovery.

(2) A description of the personnel, materials, and support vessels that would be necessary to ensure that the identified response equipment is deployed and operated promptly and effectively. Include in this description the name and location of the person(s) or organization(s) that would provide these resources as well as the quantities and types (if applicable).

(3) A description of your oil storage, transfer, and disposal equipment. Include in this description the types, quantity, and capacities of the equipment and the name and location of the person(s) or organization(s) that would provide the equipment.

(4) An estimation of the individual times needed for (A) procurement of the identified containment, recovery, and storage equipment; (B) procurement of equipment transportation vessels; (C) procurement of personnel to load and operate the equipment; (D) equipment load out (transfer of equipment to transportation vessel[s]); (E) travel to the deployment site (including any time required for travel from an equipment storage area); and (F) equipment deployment.

Appendix I. Oceanographic and Meteorological Information for Subregional OSRP's

Provide the following oceanographic and meteorological information in each subregional OSRP:

a. Oceanographic information - The prevailing and worst case currents, the range of tides, and the range of water depths in the area covered by the OSRP.

b. Meteorological information - Seasonal and worst case weather patterns, including wind direction and speeds, and the range of water temperatures in the area covered by the OSRP.

Discuss how these factors may hinder your ability to track and monitor an oil spill. Discuss also how different seasonal conditions may affect the properties of spilled oil.

Appendix J. Bibliography

List each referenced publication showing the title, author(s)/editor(s), publisher, and date of publication.