In Reply Refer To: MS 5231

June 28, 1993

Amerada Hess Corporation
Attention: Mr. Keith J. Dupuis
1201 Louisiana, Suite 700
Houston, Texas 77002-5681

Gentlemen:

Reference is made to the following plan received June 14, 1993:

Type Plan - Supplemental Development Operations Coordination Document
Lease - OCS-G 7236
Block - 210
Area - Galveston
Activities Proposed - Wells A, B, and C

In accordance with 30 CFR 250.34, this plan is hereby deemed submitted and is now being considered for approval.

Your control number is S-2988 and should be referenced in your communication and correspondence concerning this plan.

Sincerely,

(Orig. Sgd.) Kent E. Stauffer

D. J. Bourgeois
Regional Supervisor
Field Operations

bcc: Lease OCS-G 7236 POD File (MS 5032)
MS 5034 w/public info. copy of the plan
and accomp. info.

MTolbert:cic:06/14/93:DOCDCOM

JUL 1 12 25 PM '93

RECEIVED

NOTED-SCHEXNAILDRE

AMERADA HESS CORPORATION

1201 LOUISIANA, SUITE 700
HOUSTON, TEXAS 77002-5681
713-658-9770

June 11, 1993

UNITED STATES DEPARTMENT OF THE INTERIOR
Minerals Management Service
1201 Elmwood Park Blvd.
New Orleans, LA 70123-2394

PUBLIC INFORMATION

Attn: Mr. D. J. Bourgeois
Regional Supervisor
Field Operations (MS 5231)

RE: Supplemental Development Operations Coordination Document
Galveston Block 210
OCS-G-7236
Offshore, Texas

Gentlemen:

In accordance with Minerals Management Service Regulations 30 CFR 250.34 (q) (2) relative to revisions to approved or pending Development and Production Plans, Amerada Hess Corporation (Amerada Hess) hereby submits for review and ultimate approval nine (9) copies of a Supplemental Development Operations Coordination Document for Galveston Block 210 (OCS-G-7236).

Five (5) copies of the Supplemental DOCD are considered "confidential" and include certain geological/geophysical data which is to be exempt from public inspection. Four (4) "public information" copies of the Supplemental DOCD are enclosed which exclude "confidential" information.

It is our estimation that drilling of Well "A" could begin on August 1, 1993.

Please contact me at (713) 752-5926 if any additional information is required.

With kindest regards,

Keith J. Dupuis
Supervisor,
Environmental/Regulatory Affairs

KJD/fet
Enclosures

AMERADA HESS CORPORATION
SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATION DOCUMENT
GULF OF MEXICO - OFFSHORE, TEXAS
GALVESTON, BLOCK 210
OCS-G-7236

JUNE 11, 1993

COMPANY CONTACT

KEITH J. DUPUIS - (713) 752-5926

AMERADA HESS CORPORATION
1201 LOUISIANA STREET
HOUSTON, TEXAS 77002-5681

LIST OF ATTACHMENTS

A. Vicinity Plat
B. Well Location Plat
C. Well Location Table
D. Geologic Structure Maps (confidential copies only)
E. Discharge Quantities and Rates (confidential copies only)
F. Air Emissions Report

AMERADA HESS CORPORATION
SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATION DOCUMENT
GALVESTON BLOCK 210
OCS-G-7236

I. DESCRIPTION OF ACTIVITIES

Amerada Hess Corporation (AHC) proposes additional development of the Galveston Block 210 Lease (OCS-G-7236) by drilling three wells (A, B, C) from the existing "A" Platform, which was previously installed in October 1992.

Existing production equipment on the "A" Platform, and an existing pipeline at the facility will be utilized for handling hydrocarbon production from the three wells. In order to accommodate the three new wells a minor structural modification will be required to the "A" Platform, which will be addressed in a Structural Modification Permit Application. As previously mentioned in the Initial DOCD for Galveston Block 210, the "A" Platform is an unmanned facility equipped with a SCADA system for production systems monitoring.

Attachment A is a vicinity map depicting the location of the existing "A" Platform relative to the shoreline. Attachment B is a plat identifying the surface and bottom hole locations of the three proposed wells within Galveston Block 210. Where applicable, "confidential" information has been excluded in the public information copies of the DOCD.

All other information previously submitted in this section of the Initial DOCD remains unchanged.

II. SCHEDULE OF ACTIVITIES

The following is a schedule proposed for the development activities described above:

A. June 10 to July 15, 1993 - Fabrication of platform modifications to accommodate three additional wells.

B. July 16 to August 1, 1993 - Installation of platform modifications.

C. August 1 to November 25, 1993 - Drill and complete wells A, B and C; hookup to existing production facilities.

D. December 1, 1993 - Commencement of production from wells A, B and C.

It is important to note that this activity schedule is general in nature, and that all aspects of this Supplemental DOCD will be reviewed and re-evaluated after each well is drilled.

Reserves from these additional wells are expected to be depleted in 2.5 years with production anticipated at a daily rate of 50 MMCFD of natural gas.

Attachment C is a Well Location Table which details the surface and bottom hole locations and proposed depths of the three proposed wells. As mentioned previously, "confidential" information has been excluded in the public information copies of this DOCD.

III. DESCRIPTION OF DRILLING UNIT

The three wells are expected to be drilled with a typical cantilever jack-up drilling rig. The specifications of the drilling rig will be submitted as part of each Application for Permit to Drill.

Typical Diverter and BOP Schematics utilized on a typical jack-up drilling rig were included in the Initial DOCD.

All other information previously submitted in this section of the Initial DOCD remains unchanged.

IV. SHALLOW HAZARDS ASSESSMENT

As mentioned in the Initial DOCD for Galveston Block 210, the activities proposed will take place at a previously drilled surface location, therefore, no shallow hazards assessment is included in this Supplemental DOCD.

Although an 8-inch pipeline was installed to transport production from the existing "A" Platform in October 1992, Amerada Hess Corporation will take the necessary precautions outlined in NTL 83-3 while conducting operations in the vicinity of this pipeline.

V. OIL SPILL CONTINGENCY PLAN

All development operations shall be performed in accordance with industry standards to prevent pollution of the environment. Amerada Hess Corporation's Oil Spill Contingency Plan (OSCP) was approved by MMS March 8, 1993 (revised). This plan designates an Emergency Response Team consisting of Amerada Hess' personnel and contract personnel. This team's duties are to eliminate the source of any spill, remove all sources of potential ignition, deploy the most reliable means of available transportation to monitor the movement of a slick, and contain and remove the slick if possible.

Amerada Hess Corporation is a member of Clean Gulf Associates (CGA). The CGA stores pollution control equipment at two locations in Texas, at Port Aransas and Galveston; five locations in Louisiana, at Venice, Grand Isle, Intracoastal City, Houma and Cameron; one location in Alabama, at Theodore and one location in Florida, at Panama City.

Amerada Hess will make every effort to see that a spill is responded to as quickly as possible. Response equipment and response times will be suitable for anticipated environmental conditions in the area. In good

weather conditions fast response with oil boom, skimmers, pump and storage tanks would require approximately 14 to 16 hours, including preparation time as indicated below.

A heavy equipment system response would require approximately 24-36 hours, including 6 hours preparation time.

	HOURS
A. Procurement Time - it is estimated that 2 hours will be required to secure a support vessel for mobilization of the oil spill response equipment from the Galveston CGA stockpile area.	2.0 hrs.
B. Load Out Time - The time required to transfer the equipment to the transportation vessel will be approximately 1.5 hours.	1.5 hrs.
C. Travel Time - Based on a transit speed of approximately 10 knots, it is estimated that 1.5 hours would be required to move equipment from the CGA Galveston base to the deployment site. This time frame is based on a transit distance of 15 miles from Galveston and .5 hour for the vessel to reach open water.	1.5 hrs.
D. Equipment Deployment - The time required to initiate clean-up operations once the transportation vessel arrives at the spill site is estimated to be 1 hour.	1.0 hr.
*Estimated Total Time:	6.0 hrs.

*NOTE: Response time could, due to unforeseen circumstances at the time of a spill, be greater or lesser than the above estimates.

Equipment located in Galveston, Texas would be utilized first with additional equipment transported from the nearest equipment base as required.

In the event a spill occurs at the "A" Platform location in Galveston Block 210, our company has projected trajectory of a spill utilizing information as presented in the Final Environmental Impact Statement (EIS) for OCS Lease Sales 142 and 143.

The EIS contains oil spill trajectory simulations using seasonal surface currents coupled with wind data, adjusted every 3 hours for 30 days or until a target is contacted.

Hypothetical spill trajectories were simulated for each of the potential launch sites across the entire Gulf. These simulations presume 500 spills occurring in each of the four seasons of the year. The results

in the EIS were presented as probabilities that an oil spill beginning from a particular launch site would contact a certain land segment within 3, 10 or 30 days.

Utilizing the summary of the trajectory analysis (for 10 days) as presented on pages IV-37 through IV-43, the probable landfall of an oil spill is as follows:

AREA	LAND SEGMENT	%
Galveston 210	Matagorda, Texas	1
	Brazoria, Texas	12
	Galveston, Texas	26

If a spill should occur at the "A" Platform location, Amerada Hess would immediately activate its Emergency Response Team, determine from current conditions the probable location and time of landfall by contacting Continental Shelf Associates and/or the National Oceanic Atmospheric Administration's (NOAA) Gulf of Mexico Scientific Support Coordinator (SSC), for assistance in predicting spill movement. Then, using the Clean Gulf Operations Manual, Volume II, identify the biologically sensitive area and determine the appropriate response mode.

Section V, Volume II of the CGA Manual also includes equipment containment/clean-up protection response modes for the sensitive areas. It depicts the protection response modes that are applicable for oil spill clean-up operations. Each response mode is schematically represented to show optimum deployment and operation of the equipment in areas of environmental concern. Implementation of the suggested procedures assures the most effective use of the equipment and will result in reduced adverse impact of oil spills on the environment. Supervisory personnel have the option to modify the deployment and operation of equipment to more effectively respond to site-specific circumstances.

Most important is the fact that should a spill occur during operations in Galveston Block 210, Amerada Hess will react as quickly as possible to avoid environmental impact, as would be expected of a prudent operator.

VI. NEW OR UNUSUAL TECHNOLOGY

No new techniques or unusual technology will be required for the proposed activities.

VII. LEASE STIPULATIONS

As previously mentioned in the Initial DOCD, Lease Stipulation No. 1 was invoked when the lease was awarded which required the preparation of a Cultural Resources Report assessing the potential existence of any cultural resources. The May 1985 Archaeological and Hazard Study prepared for Transco Exploration Company noted the absence of any cultural or archaeological resources in Galveston Block 210.

VIII. DISCHARGES

All discharges from operations conducted under this Supplemental DOCD will be in strict compliance with the provisions of the Environmental Protection Agency National Pollution Discharge Elimination System General Permit for the Gulf of Mexico (GMG 290000).

Amerada Hess Corporation has recently been assigned coverage under the EPA NPDES Permit GMG 290003 for Galveston Block 210, outfall number 162A.

The anticipated discharge quantities and drill cuttings discharge rates for the three proposed wells are included as Attachment E (confidential copies only).

All other information previously submitted in this section in the Initial DOCD remains unchanged.

IX. H_2S AREA CLASSIFICATION

Union Pacific Resources and Amerada Hess Corporation drilled the Galveston 210 No. 1 and No. 2 wells, respectively, without encountering H_2S during drilling and testing operations on these wells. We therefore request that Galveston Block 210 continue to be classified as a "zone where the absence of H_2S has been confirmed."

X. SUPPORT BASE/ENVIRONMENTAL REPORT

Amerada Hess will utilize an onshore support base located in Galveston, Texas for the following functions: loading point for tools, equipment and machinery to be delivered to the drilling rig, transportation base, and temporary storage area for materials and equipment. Twenty-four hour a day contact with offshore personnel is maintained by full-time dispatchers at the shorebase. The Vicinity Plat (Attachment A) indicates the Galveston 210 lease relative to the shoreline and depicts proposed transportation routes. All support vessels are expected to operate out of the Galveston base. During drilling and completion operations, crew boats are expected to make four (4) trips for the drilling rig per week. Supply boats will make two (2) trips to the wellsite per week, and helicopters are expected to make seven (7) trips per week.

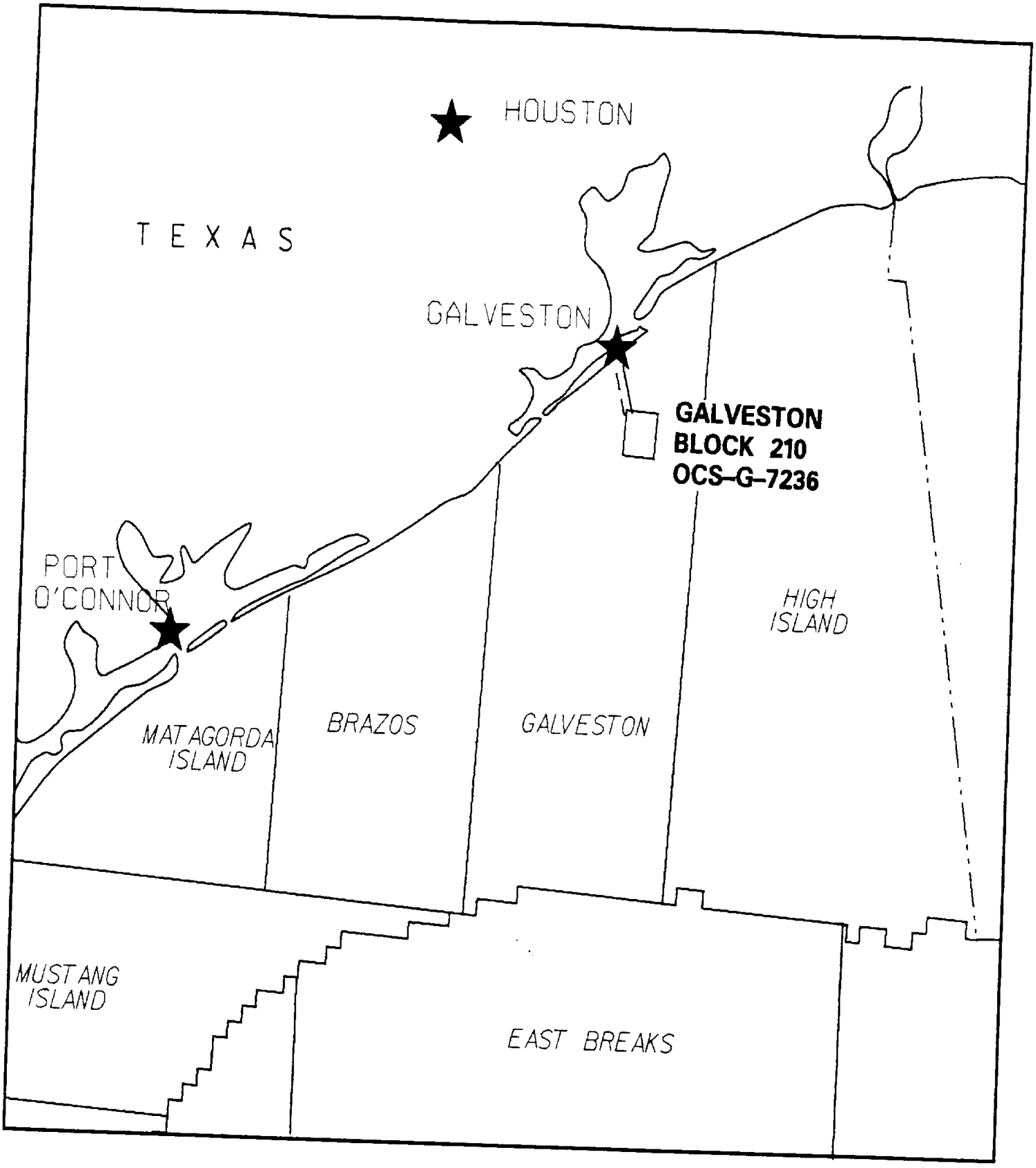
XI. AIR EMISSIONS REPORT

Projected air emissions resulting from activities detailed in this Supplemental Development Operations Coordination Document have been addressed and are included as Attachment F.

XII. COMPANY CONTACT

Any inquiries regarding this DOCD may be addressed to the following individual:

Keith J. Dupuis
Supervisor,
Environmental/Regulatory Affairs
Amerada Hess Corporation
1201 Louisiana, Suite 700
Houston, Texas 77002-5681



LEGEND

PROPOSED TRANSPORTATION ROUTES

——— **HELICOPTER**

– – – **BOAT**

APPROX. 15 MILES TO GALVESTON

APPROX. 15 MILES TO NEAREST SHORE

PUBLIC

Attachment

AMERADA HESS CORPORATION

UNITED STATES OFFSHORE EXPLORATION

GALVESTON BLOCK 210

VICINITY MAP

Geophysicist / Geologist

Date 5-93

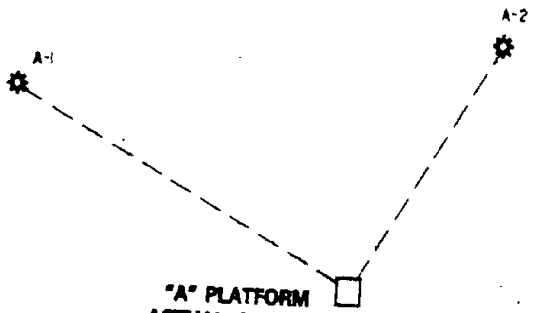
C.I.s

X93B828DC.PLT

ATTACHMENT A

BLOCK 210
OCS-G-7236

PUBLIC INFORMATION



LEGEND

- SURFACE LOCATION
- DRY HOLE
- ACTIVE WELL

PUBLIC

Attachment

AMERADA HESS CORPORATION

UNITED STATES OFFSHORE EXPLORATION

GALVESTON BLOCK 210

WELL LOCATION MAP

0' 2000' 4000'

Drawn 5-93

ATTACHMENT B

AMERADA HESS CORPORATION
SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATION DOCUMENT
GALVESTON 210
OCS-G-7236

WELL LOCATION TABLE

WELL	PROPOSED SURFACE LOCATION	WATER DEPTH
A	*2711' FSL & 6357' FWL of GA 210 x = 3,402,947' y = 485, 831'	57'
B	*2711' FSL & 6357' FWL of GA 210 x = 3,402,947' y = 485,831'	57'
C	*2711' FSL & 6357' FWL of GA 210 x = 3,402,947' y = 485,831'	57'

* "A" Platform Location

PUBLIC INFORMATION

ATTACHMENT C

J. Connor Consulting, Inc.

06/07/93

PROJECTED AIR EMISSION SCHEDULE FOR SUPPLEMENTAL DEVELOPMENT/PRODUCTION PROJECT

GENERAL INFORMATION

Location of Facility:	Galveston Block 210 OCS-G 7236
Name of Rig:	Platform "A"/Jack-Up
Operator:	Amerada Hess Corporation 1201 Louisiana Street, Suite 700 Houston, Texas 77002
Contact Person:	Keith Dupuis
Date Drilling Will Begin:	August 1, 1993
Date Production Will Begin:	December 1, 1993
Distance Offshore:	20 miles
Number of Days to Drill/Complete:	100 days
Well Footage to be Drilled:	27,250 feet

MAJOR SOURCES (OFFSHORE)

Power used aboard drilling vessel; approximate footage to be drilled 27,250'.*

Emitted Substance	Projected Emissions lbs/day*	tons/yr
CO	108	5.396
SO2	34	1.717
NOx	507	25.343
VOC	41	2.044
TSP	36	1.799

* Based on 60 hphr/ft. from Table 4-3, "Atmoshperic Emissions from Offshore Oil and Gas Development and Production", EPA No. 450/3-77-026, June, 1977

** Emission factors from Table 3.3.3-1, "Compilation of Air Pollutant Emission Factors", Fourth Edition, EPA Report AP-42, September, 1985

ATTACHMENT F

16225 Park Ten Place Suite 500 Houston, Texas 77084 (713) 578-3388 Fax (713) 578-8895

Projected Air Emissions
Amerada Hess Corporation
Galveston Block 210

MINOR SOURCES (OFFSHORE)*

Emitted Substance	Projected Emissions lbs/day*tons/yr 1993
CO	0.895
SO2	0.027
NOx	0.289
VOC	0.090
TSP	0.038

* Tables 3.2.1-3, 3.2.3-1 and 2.1-1, "Compilation of Air Pollutant Emission Factors", Fourth Edition, EPA Report AP-42, September, 1985.

TOTAL ALL SOURCES (tons/year)

1993	CO	SO2	NOx	VOC	TSP
Major	5.396	1.717	25.343	2.044	1.799
Minor	0.895	0.027	0.289	0.090	0.038
Total	6.291	1.744	25.631	2.134	1.837

ONSHORE SOURCES

These should be about the same as minor sources unless new facilities are installed at the onshore base. No additional facilities are required or planned at this time.

EMISSION EXEMPTION DETERMINATION

For CO: E = 3400(D)2/3 = 3400(20)2/3 = 25,051 tons/year
For NOx, VOC, TSP & SO2: E = 33.3D = 33.3(20) = 666 tons/year

Projected Air Emissions
Amerada Hess Corporation
Galveston Block 210

PREDICTED PRODUCTION AND DRILLING ACTIVITY

Gas Production = 50 MMCFD
Oil Production = 0 BCPD

TRANSPORTATION SERVICES

Supply Boats (3000 hp)

Trips Per Week During Drilling – 2
Trips Per Week During Production – 1

Crew Boats

Trips Per Week During Drilling – 4
Trips Per Week During Production – 7

Helicopter

Trips Per Week During Drilling – 7
Trips Per Week During Production – 1

METHODOLOGY

Platform: Horsepower – hour method
Boats: Horsepower – hour method
Helicopters: Landing/Takeoff (LTO) cycle method

REFERENCES

Production – EPA 450/3–77–026 (June, 1977) – "Atmosphere Emissions from Offshore Oil and Gas Development and Production", pp. 81–116.

Boats – EPA Report AP–42 – "Compilation of Air Pollutant Emission Factors", Fourth Edition, (September, 1985), pp. 116,125 and 127

FINDINGS OF AIR QUALITY REVIEW

As per DOI/MMS regulations, this facility is exempt form further air quality review as it has been determined that its operations will not have a significant adverse impact on air quality.