

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

NTL No. 96-04

August 15, 1996

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

**Air Pollutant Emissions Reporting Requirements**

Concerns have been expressed that emissions from OCS activities may be significantly affecting the air quality of the Breton National Wildlife Refuge/Wilderness Area (BWA), a Prevention of Significant Deterioration Class I Area. To help determine whether or not this is the case, the Gulf of Mexico OCS Region (GOMR) has decided to perform an air quality analysis. The first step in this analysis is to develop an accurate and current air pollutant emissions inventory.

Accordingly, pursuant to the authority of 30 CFR 250.45(k) and 30 CFR 250.46(g), lessees and operators of each production facility located within 100 kilometers of the BWA (see Attachment No. 1 for a list of affected OCS blocks) are hereby directed to collect and verify air pollutant emissions information for each facility to form the basis of this inventory.

The purpose of this Notice to Lessees and Operators (NTL) is to outline the procedures that you will use to collect and report this information.

The procedures are as follows:

- (1) The GOMR has developed a computer program, the Air Emissions Inventory System (AEIS), with forms for you to use to collect and report the data on a monthly basis on floppy disks.
- (2) A workshop will be held at the GOMR Office in New Orleans, Louisiana, from 9 a.m. to 11:30 a.m., on Tuesday, September 10, 1996, to provide training to all affected lessees and operators in the use of the AEIS program. The workshop will also describe the procedures to be used in collecting the information needed for completing the forms.
- (3) At the end of the workshop, you will be provided with a program disk and a data disk to be used for collecting the data for your facilities for the month of October 1996. If you cannot attend the workshop, we will mail these floppy disks to you.
- (4) To refine the data collection and input procedures, the GOMR has decided to use the month of October 1996 as a trial month. The data disks for October 1996 and subsequent months will contain databases with fields that are defined in Attachment

No. 2 of this NTL. This attachment describes each screen of the program; lists the names used in the display screens and, in parenthesis the field names used in the databases and the database name; describes the type and size of the data fields; provides codes for field data types; and provides a definition or description of the field.

- (5) The completed data disks for the October 1996 inventory shall be returned to the GOMR, Field Operations (FO), Attention: Mr. Yeshavant Desai, MS 5230, 1201 Elmwood Park Boulevard, New Orleans, Louisiana 70123-2394, telephone number (504) 736-2623, fax number (504) 736-2426, by November 20, 1996.
- (6) To allow sufficient time for the GOMR to perform the quality checks on the submitted October 1996, information, no information will be collected for the month of November 1996.
- (7) For each month, starting on December 1, 1996, and ending on December 31, 1997, the GOMR will send you a data disk during the last week of each month for you to record that month's information. The completed data disks shall be returned to the GOMR, FO, Attention: Mr. Yeshavant Desai, MS 5230, 1201 Elmwood Park Boulevard, New Orleans, Louisiana 70123-2394, telephone number (504) 736-2623, fax number (504) 736-2426, by the end of the third week of the following month.

[signed] Chris C. Oynes  
Regional Director  
Gulf of Mexico OCS Region

*[Editorial Note: This NTL is supplemented by NTL 97-02, dated January 23, 1997.]*

**Attachment No. 1**

List of Affected Blocks

<u>Planning Area Name</u>	<u>Code</u>	<u>Block Numbers</u>
Bay Marchand	BM	2
Breton Sound	BS	24, 25, 39-44, 53-56
Chandeleur	CA	1, 3-5, 8-44
Destin Dome	DD	1, 45, 89, 133, 177, 221
Grand Isle	GI	15-48, 52-59, 65-69, 79
Mississippi Canyon	MC	20-34, 63-77, 103-104, 107-121, 147-163, 190-206, 234-249, 277-292, 316-334, 360-363, 363A, 364-376, 408-416
Mobile	MO	765-767, 778-779, 809-824, 826-830, 853-874, 897-918, 942-962, 987-1006
Main Pass	MP	6, 7, 17-20, 27-30, 37-44, 55-65, 68-74, 77, 78, 86-252, 257-316
Pensacola	PE	881, 925, 969
South Pass	SP	6, 17-19, 27-29, 31-39, 42-96
Viosca Knoll	VK	20-38, 65-82, 109-126, 154-170, 201-214, 246-258, 292-302, 338-346, 383-390, 427-434, 473-477, 518-521, 564-565, 692-695, 734-739, 772-782, 813-825, 856-868, 898-911, 940-954, 983-997
West Delta	WD	16-50, 56-81, 85-136, 139-154

Note: This is a revised list.

## Attachment No. 2

Attachment No. 2 describes the screens used in the Air Emission Inventory System (AEIS) program. In addition to describing the activities occurring in the screen, we are also providing the name of the fields used in the screen and database, the name of the database, the type and size of the field, the type of field data, and a definition or description of the field. The name of the field in the database and the name of the database are provided in the parenthesis. For the date field, use American date format (month(2)/day(2)/year(4)).

The codes for the types of field data are as follows:

- (1) The data for these fields are constant in value. The MMS has data in its databases for these fields and will provide them to you for each of your facilities. Please check your records and update and correct the data if necessary. This exercise will have to be performed only once.
- (2) The data for these fields are also constant in value. The MMS does not have any information about these fields. Please provide missing data. This exercise will have to be performed only once.
- (3) The data for these fields change. Please provide these data every month..

### COMPANY AND PLATFORM INFORMATION:

#### AEIS - Company Information, Screen #1.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
Company Name (CMPNAME; COMPANY.DBF)	Character (45)	(1)	Name of the company that is the designated operator of the lease in which the platform is located according to MMS records.
Company Address1 (ADDRESS1; COMPANY.DBF)	Character (45)	(1)	First line of mailing address of the company office according to MMS records.
Company Address2 (ADDRESS2; COMPANY.DBF)	Character (45)	(1)	Second line of mailing address of the company office according to MMS records.
Company City (CITY; COMPANY.DBF)	Character (15)	(1)	City in which the company office is located according to MMS records.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
Company State (STATE; COMPANY.DBF)	Character (2)	(1)	State in which the company office is located according to MMS records using postal abbreviations.
Company Zip Code (ZIPCODE; COMPANY.DBF)	Numeric (10,0)	(1)	5 or 9 digit postal zip code of the company office location according to MMS records.

If you find that the data provided by MMS are current and accurate, clicking on either "Save changes and continue" or "Continue without saving changes" will keep the data unchanged and will open the AEIS - Main Menu, Screen #2.

If you find that the data provided by MMS are not current or accurate, make the necessary changes. Clicking on "Save changes and continue" will save the data entered and will open the AEIS - Main Menu, Screen #2.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue" or "Continue without saving changes," and the AEIS - Main Menu, Screen #2, will open.

#### AEIS - Main Menu, Screen #2.

In this screen, you will click on one of the following three options:

- "Edit Platform and Equipment Data" Clicking on this option will open the AEIS - Select Platform, Screen #3, in order to provide information about the platform and the pieces of equipment.
- "Edit Company Information" Clicking on this option will open the AEIS - Company Information, Screen #1, in order to change the company information.
- "Quit AEIS" Clicking on this option will allow you to quit the AEIS program.

#### AEIS - Select Platform, Screen #3.

In this screen, you will select the platform for which you want to provide data by clicking on the line for that platform and then clicking on "OK," this will open the AEIS - Confirm, Screen #4.

Clicking on "Cancel" will open the AEIS - Main Menu, Screen #2.

To identify the platform, we are providing the following information about each platform that your company operates within 100 km of BWA: Complex ID, Structure ID, Company Structure Name, Area, Block, Lease, and the Number of pieces of equipment on the platform according to MMS records. In addition, we have provided a column "Inventoried?" which changes from "N" to "Y" once you have provided data for the platform and equipment. This will help you in keeping track of the platforms you have inventoried.

AEIS - Confirm, Screen #4.

In this screen, you are asked the question "Is this platform still in operation?"

Clicking on "Yes" will open the AEIS - Platform/Platform Contact Information, Screen #5.A.

Clicking on "No" will open the AEIS - Set Platform Discontinued Date, Screen #5.B.

AEIS - Platform/Platform Contact Information, Screen #5.A.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform; allows MMS to cross reference with other databases
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS assigned-structure identification number for the OCS platform; allows MMS to cross reference with other databases.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	The name of the structure (platform) assigned by the company according to MMS records.
Area name (AREANAME; PLATFORM.DBF)	Character (45)	(1)	MMS-designated name assigned to the OCS geographical area in which the platform is located.
Area code (AREACODE;	Character (2)	(1)	MMS-designated code assigned to the OCS geographical area in

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
PLATFORM.DBF)			which the platform is located
Block number (BLOCKNUMB; PLATFORM.DBF)	Character (6)	(1)	MMS-designated number of the OCS geographical block in which the platform is located.
Lease number (LEASENUMB; PLATFORM.DBF)	Character (10)	(1)	MMS-designated lease number for the platform.
Longitude (LONGITUDE; PLATFORM.DBF)	Numeric (13,8)	(1)	East-West location of the platform according to MMS records.
Latitude (LATITUDE; PLATFORM.DBF)	Numeric (11,8)	(1)	North-South location of the platform according to MMS records.
Platform distance to shore (miles) (DISTTOSH; PLATFORM.DBF)	Numeric (5,1)	(1)	The shortest distance in statute miles from the platform to the shoreline, coastline, or seaward side of an island that is between the platform and the mainland according to MMS records.
Company contact name (OFCONTACT; PLATFORM.DBF)	Character (45)	(2)	Name of the company office contact responsible for the submission of the data for the platform.
Company contact phone No. (OFTELNUM; PLATFORM.DBF)	Numeric (13,0)	(2)	Phone no. of the company office contact responsible for the submission of the data for the platform.
Extension (OFTELEXT; PLATFORM.DBF)	Numeric (4,0)	(2)	Phone no. extension of the company office contact responsible for the submission of the data for the platform.
Company contact fax No. (OFFAXNUM;	Numeric (13,0)	(2)	Fax no. of the company office contact responsible for the submission of the data for the

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
PLATFORM.DBF)			platform.
Extension (OFFAXEXT; PLATFORM.DBF)	Numeric (4,0)	(2)	Fax no. extension of the company office contact responsible for the submission of the data for the platform.
Company platform contact name (PLCONTACT; PLATFORM.DBF)	Character (45)	(2)	Name of the company platform contact for the platform.
Company platform contact phone No. (PLTELNUM; PLATFORM.DBF)	Numeric (13,0)	(2)	Phone no. of the company platform contact for the platform.
Extension (PLTELEXT; PLATFORM.DBF)	Numeric (4,0)	(2)	Phone no. extension of the company platform contact for the platform.
Company platform contact fax No. (PLFAXNUM; PLATFORM.DBF)	Numeric (13,0)	(2)	Fax no. of the company platform contact for the platform.
Extension (PLFAXEXT; PLATFORM.DBF)	Numeric (4,0)	(2)	Fax no. extension of the company platform contact for the platform.

After you have verified that the MMS-provided data are current and accurate or, if they are not, made necessary changes and provided the information about the contact person for the company and the platform, clicking on "Save changes and continue" will save the data entered and will open the AEIS - Platform Production, Screen #6.

Clicking on "Continue without saving changes" will not save the data entered and will open the AEIS - Platform Production, Screen #6.

Clicking on "Main menu" will not save the data entered and will open the AEIS - Main Menu, Screen #2.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue" or "Continue without saving changes," and the AEIS - Platform Production, Screen #6, will open.

AEIS - Set Platform Discontinued Date, Screen #5.B.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
Enter the date on which platform operation was discontinued. (DTDISCONT; PLATFORM.DBF)	Date (10)	(2)	The date on which platform operation was discontinued.

After entering the date on which the platform operation was discontinued, clicking on "ok" will delete the data for the marked platform from the AEIS - Select Complex, Screen #3, and will open the AEIS -Main Menu, Screen #2. Please make sure that the date you provide is for the correct platform being taken out of service because once the date is provided and ok'd, you can not access that platform.

After entering the date on which the platform operation was discontinued, if you find you have made a mistake, click on "Cancel" and the marked platform will not be deleted from the AEIS - Select Complex, Screen #3, and the AEIS - Main Menu, Screen #2, will open.

AEIS - Platform Production, Screen #6.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	The name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE;	Date (10)	(1)	Starting date for the reporting period as provided by MMS.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
EQUIPMNT.DBF)			
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Avg. daily natural gas production (MMSCFD) (PLMMSCFD; PLATFORM.DBF)	Numeric (13,3)	(3)	Average daily natural gas production, million standard cubic feet per day (MMSCFD), for the platform during the reporting period.
Avg. H2S concentration in produced natural gas (ppmv) (PLH2SCON; PLATFORM.DBF)	Numeric (6,0)	.(3)	Average H <sub>2</sub> S concentration of produced natural gas, parts per million by volume (ppmv), for the platform during the reporting period.
Avg. daily oil production (BPD) (PLATOIL; PLATFORM.DBF)	Numeric (10,0)	(3)	Average daily oil production, barrels per day (BPD), for the platform during the reporting period.
Avg. daily volume of flared gas (SCFD) (AVDAGFLAR; PLATFORM.DBF)	Numeric (10,0)	(3)	Average daily volume of natural gas flared for all platform flares, standard cubic feet per day (SCFD), during the reporting period.
Highest volume of flared gas in a day (SCF) (HIDGFLAR; PLATFORM.DBF)	Numeric (10,0)	(3)	Highest volume of natural gas flared in a day, standard cubic feet (SCF), for the platform during the reporting period.
Date of highest volume flaring (HIFLARDA; PLATFORM.DBF)	Date (10)	(3)	Date on which highest amount of natural gas was flared during the reporting period.
Avg. daily volume of vented gas (SCFD)	Numeric (10,0))	(3)	Average daily volume of natural gas vented for all platform vents,

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
(AVDAGVENT; PLATFORM.DBF)			standard cubic feet per day (SCFD), during the reporting period.
Highest volume of vented gas in a day (SCF) (HIDAGVENT; PLATFORM.DBF)	Numeric (10,0)	(3)	Highest volume of natural gas vented in a day, standard cubic feet (SCF), for the platform during the reporting period.
Date of highest volume venting (HIVNTDAT; PLATFORM.DBF)	Date (10)	(3)	Date on which highest amount of natural gas was vented during the reporting period.
Avg. composition of flared/vented gas in % of CH <sub>4</sub> (VG_CH4; PLATFORM.DBF)	Numeric (6,3)	(3)	Average percentage of methane (CH <sub>4</sub> ) in the natural gas flared or vented during the reporting period.
Avg. composition of flared/vented gas in % of CO <sub>2</sub> (VG_CO2; PLATFORM.DBF)	Numeric (6,3)	(3)	Average percentage of carbon dioxide (CO <sub>2</sub> ) in the natural gas flare or vented during the reporting period.
Avg. composition of flared/vented gas in % of H <sub>2</sub> O (VG_H2O; PLATFORM.DBF)	Numeric (6,3)	(3)	Average percentage of water vapor (H <sub>2</sub> O) in the natural gas flared or vented during the reporting period.
Avg. composition of flared/vented gas in % of C <sub>2</sub> H <sub>6</sub> (VG_C2H6; PLATFORM.DBF)	Numeric (6,3)	(3)	Average percentage of ethane (C <sub>2</sub> H <sub>6</sub> ) in the natural gas flared or vented during in the reporting period.

After you have provided the information about platform production, you will click on one of the following four options:

- "Save changes and continue" Clicking on this option will save the data entered. If the platform has no piece of equipment according to MMS records, the AEIS - Confirm, Screen #7 will open. If the platform has a piece(s) of equipment according to MMS records, the AEIS - Flare/Vent Stack Gas Parameters, Screen #8 will open.
- "Continue without saving changes" Clicking on this option will not save the data entered. If the platform has no piece of equipment according to MMS records, the AEIS - Confirm, Screen #7 will open. If the platform has a piece(s) of equipment according to MMS records, the AEIS - Flare/Vent Stack Gas Parameters, Screen #8 will open.
- "Previous Screen" Clicking on this option will not save the data entered and will open the AEIS - Platform/ Platform Contact Information, Screen #5.A.
- "Main menu" Clicking on this option will not save the data entered and will open the AEIS - Main Menu, Screen #2.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue" or "Continue without saving changes." If the platform has no piece of equipment according to MMS records, the AEIS - Confirm, Screen #7., will open. If the platform has a piece(s) of equipment according to MMS records, the AEIS - Flare/Vent Stack Gas Parameters, Screen #8 will open.

AEIS - Confirm, Screen #7.

In this screen, you are asked the question "Is there any air pollutant emitting equipment on the this platform?" Clicking on "Yes" will open the AEIS - Flare/Vent Stack Gas Parameters, Screen #8.

Clicking on "No" will open the AEIS - Main Menu, Screen #2.

AEIS - Flare/Vent Stack Gas Parameters, Screen #8.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID);	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
PLATFORM.DBF)			platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	The name of the structure assigned by the company according to MMS records.
Height of top of top deck above sea level (including helicopter landing pad) (feet) (DCKTOPHT; PLATFORM.DBF)	Numeric (5,1)	(2)	Height of the top of the top deck above sea level, including the helicopter landing pad, feet.
Height of bottom of bottom deck above sea level (excluding boat loading dock)(feet) (DCKBOTHT; PLATFORM.DBF)	Numeric (5,1)	(2)	Height of the bottom of the bottom deck above sea level, excluding boat loading dock, feet.
Average height of flare stacks above sea level (feet) (FLSTACKH; PLATFORM.DBF)	Numeric (5,1)	(2)	Average height of all platform flare stacks above sea level, feet. If a platform has more than one flare stack, you should average the height of all platform flare stacks.
Equivalent inside diameter of flare stacks at stack outlet (inches) (FLSTDIA; PLATFORM.DBF)	Numeric (5,1)	(2)	Equivalent inside diameter of all platform flare stacks at the stack outlet, inches. If the platform has more than one flare stack, you should sum the inside cross sectional area at the stack outlet of all platform flare stacks and calculate the equivalent inside diameter.
Average exhaust gas temperature of flare stacks	Numeric (4,0)	(2)	Average temperature of exhaust gases for all platform flare stacks

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
at stack outlet (degrees F) (TMPFLGAS, PLATFORM.DBF)			at the stack outlet, degrees Fahrenheit (degrees F). If the platform has more than one flare stack, you should average the temperature of exhaust gases of all platform flare stacks.
Average height of vent stacks above sea level (feet) (VNTSTHT; PLATFORM.DBF)	Numeric (5,1)	(2)	Average height of all platform vent stacks above sea level, feet. If the platform has more than one vent stack, you should average the height of all platform vent stacks.
Equivalent inside diameter of vent stacks at stack outlet (inches) (VNSTDIA; PLATFORM.DBF)	Numeric (5,1)	(2)	Equivalent inside diameter of all platform vent stacks at the stack outlet, inches. If the platform has more than one vent stack, you should sum the inside cross sectional area at the stack outlet of all platform vent stacks and calculate the equivalent inside diameter.
Average temperature of vent gas at outlet, (degrees F) (TMPVNTGA, PLATFORM.DBF)	Numeric (4,0)	(2)	Average temperature of vented gases for all platform vents at the stack outlet, degrees Fahrenheit (degrees F). If the platform has more than one vent stack, you should average the temperature of vented gases of all platform vent stacks.

After you have provided the information about the flare and/or vent gas stack parameters, you will click on one of the following four options:

- "Save changes and continue" Clicking on this option will save the data entered and will open the AEIS - Equipment List Menu, Screen #9.
- "Continue without saving changes" Clicking on this option will not save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

"Previous Screen"

Clicking on this option will not save the data entered and will open the AEIS - Platform Production, Screen #6.

"Main menu"

Clicking on this option will not save the data entered and will open the AEIS - Main Menu, Screen #2.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue" or "Continue without saving changes," and the AEIS - Equipment List Menu, Screen #9 will open.

**EQUIPMENT INFORMATION:**

We have limited information about the pieces of equipment located on the platforms operated by your company and which we will include in the computerized inventory forms. The fields for which we have no information are left blank and need to be filled in.

AEIS - EQUIPMENT LIST MENU, Screen #9.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number. For each known piece of equipment, MMS assigns the identification number and for each added piece of equipment, the program assigns the next sequential number.
Equipment name (EQUIPNAME; EQUIPMNT.DBF)	Character (35)	(1)	Equipment name: Liquid fuel reciprocating engine, Gas fuel reciprocating engine, Gas fuel turbine engine, Gas fuel heater, Glycol dehydrator and reboiler, Liquid storage tank, Amine sulfur recovery

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
Equipment type code (EQUIPTYPE; EQUIPMNT.DBF)	Character (1)	(1)	Code for the type of equipment: R-Reciprocating engine, T-Turbine engine, H-Heater, D-Glycol dehydrator and reboiler, K-Storage tank, U-Amine sulfur recovery unit.
Fuel type code (FUELTYPE; EQUIPMNT.DBF)	Character (1)	(1)	Code for the type of fuel used or throughput processed: L-Liquid, G-Natural gas.
Equipment status code (EQUIPSTAT; EQUIPMNT.DBF)	Character (1)	(1)	Code for the status of equipment: O-Continuous operation, E-Emergency, S-Standby.
Equipment usage code (EQUIPUSAGE; EQUIPMNT.DBF)	Character (1)	(1)	Code for the use of equipment: A-Air compressor, B-Boiler, C-Gas compressor, D-Glycol dehydrator and Reboiler, F-Fire pump, H-Line/processor heater, J-Generator, K-Storage tank, M-Crane, P-Pipeline pump, U-Amine sulfur recovery unit, V-Treater, W-Well pump.

You will click on one of the following five options:

"Add new equipment" Clicking on this option will open the AEIS - Add New Equipment, Screen #10.A. in order to report the data on an unreported piece of equipment. The program will assign the next sequential number for equipment ID.

"Edit selected equipment" First select the piece of equipment you want to edit by clicking on the line for that piece of equipment and then clicking on "Edit selected equipment," which will open the one of the following seven screens depending on the type of equipment and fuel.

<u>Equipment Type</u>	<u>Fuel Type</u>	<u>Screen Name and Number</u>
R	L	AEIS - Liquid Fuel Reciprocating Engine, Screen #10.B.1.a.
R	G	AEIS - Gas Fuel Reciprocating Engine, Screen #10.B.2.a.
T	G	AEIS - Gas Fuel Turbine Engine, Screen #10.B.3.a.
H	G	AEIS - Gas Fuel Heater, Screen #10.B.4.a.
D	G	AEIS - Glycol Dehydrator & Reboiler (Page 1 of 2), Screen #10.B.5.a.i.
K	L	AEIS - Liquid Storage Tank, Screen #10.B.6.a.
U	G	AEIS - Amine Sulfur Recovery Unit (Page 1 of 2), Screen #10.B.7.a.i.

"Delete equipment" First select the piece of equipment you want to delete by clicking on the line for that piece of equipment and then clicking on "Delete equipment"; this will open the AEIS - Confirm, Screen #10.C.

"Previous screen" Clicking on this option will open the AEIS - Platform Production, Screen #8.

"Main menu" Clicking on this option will open the AEIS - Main Menu, Screen #2.

AEIS - Add New Equipment, Screen #10.A.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Date Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.

(This is a menu-driven screen for adding a piece of equipment. You add a piece of equipment by selecting fuel type, equipment type, equipment status, and equipment usage.)

Fuel type code (FUELTYPE; EQUIPMNT.DBF)	Character (1)	(2)	Code for the type of fuel used or throughput processed: L-Liquid, G-Natural gas.
Equipment type code (EQUIPTYPE; EQUIPMNT.DBF)	Character (1)	(2)	Code for the type of equipment used: R-Reciprocating engine, T-Turbine engine, H-Heater, D-Glycol dehydrator and reboiler, K-Storage tank, U-Amine sulfur recovery unit.
Equipment status code (EQUIPSTAT; EQUIPMNT.DBF)	Character (1)	(2)	Code for the status of equipment: O-Continuous operation, E-Emergency, S-Standby.
Equipment usage code (EQUIPUSAGE; EQUIPMNT.DBF)	Character (1)	(2)	Code for the use of Equipment: A-Air compressor, B-Boiler, C-Gas compressor, D-Glycol dehydrator and Reboiler, F-Fire pump, H-Line/processor heater, J-Generator, K-Storage tank, M-Crane, P-Pipeline pump, U-Amine sulfur recovery unit, V-Treater, W-Well pump.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Date Type</u>	<u>Definition or Description</u>
Name of equipment to add	Character (35)		Once you have selected fuel type and equipment type for the piece of equipment you want to add, "Name of equipment to add" will be displayed as follow:

<u>Equipment Type</u>	<u>Fuel Type</u>	<u>Name of Equipment to add</u>
R	L	Liquid Fuel Reciprocating Engine
R	G	Gas Fuel Reciprocating Engine
T	G	Gas Fuel Turbine Engine
H	G	Gas Fuel Heater
D	G	Glycol Dehydrator and Reboiler
K	L	Liquid Storage Tank
U	G	Amine Sulfur Recovery Unit

After providing the above information for an unreported piece of equipment, you will click on one of the following two options:

"Continue" Clicking on this option will open one of the following blank screens depending on the equipment type and the fuel type selected.

<u>Equipment Type</u>	<u>Fuel Type</u>	<u>Screen Name and Number</u>
R	L	AEIS - Liquid Fuel Reciprocating Engine, Screen #10.B.1.a.
R	G	AEIS - Gas Fuel Reciprocating Engine, Screen #10.B.2.a.
T	G	AEIS - Gas Fuel Turbine Engine, Screen #10.B.3.a.
H	G	AEIS - Gas Fuel Heater, Screen #10.B.4.a.
D	G	AEIS - Glycol Dehydrator & Reboiler (Page 1 of 2), Screen #10.B.5.a.i.
K	L	AEIS - Liquid Storage Tank, Screen #10.B.6.a.
U	G	AEIS - Amine Sulfur Recovery Unit (Page 1 of 2), Screen #10.B.7.a.i.

"Cancel" Clicking on this option will not add this piece of equipment to the platform inventory and will open the AEIS - Equipment List Menu, Screen #9.

AEIS - Liquid Fuel Reciprocating Engine, Screen #10.B.1.a.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(1) or (2)	Name of the liquid fuel reciprocating engine manufacturer.
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(1) or (2)	Model number of the liquid fuel reciprocating engine.
Rating (hp) (RATING; EQUIPMNT.DBF)	Numeric (8,1)	(1) or (2)	Engine rating or capacity, horse power (hp) reciprocating engine.
Maximum hourly fuel usage (gph) (MXHRFLUSE; EQUIPMNT.DBF)	Numeric (8,2)	(1) or (2)	Engine maximum hourly fuel usage at rated capacity, gallons per hour (gph), reciprocating engine.
Total fuel usage during reporting period (gallons) (TOTFLUSE; EQUIPMNT.DBF)	Numeric (12,2)	(3)	Total amount of diesel fuel used by the engine, gallons, during the reporting period. If the engine fuel usage is metered, report the difference between the fuel meter values at the beginning and the end of the reporting period. If not metered or recorded, calculate the total fuel usage based on the engine's

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
			output loading in hp, total number of hours operated and fuel consumption rate (gallons per output loading in hp-hr.)
Fuel sulfur content (% by weight) (FLSULFCONT; EQUIPMNT.DBF)	Numeric (9,3)	(3)	Average sulfur content of the diesel fuel used by the engine, percentage by weight (% by weight), during the reporting period. Report a monthly average value for the reporting period.
Total number of hours of operation during reporting period (TOTHOURS; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Total number of hours the engine was operating during the reporting period. Round up the number of hours the engine was operating to a whole number.
Total number of days of operation during reporting period (TOTDAYS; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Total number of days the engine was operating during the reporting period. Count it as a day of operation if a piece of equipment was operating one hour or more.
Exhaust gas flow rate (ACFM) (EXHSTRATE; EQUIPMNT.DBF)	Numeric (7,0)	(3)	Engine exhaust gas flow rate at the stack outlet, actual cubic feet per minute (ACFM). Ratio the exhaust gas flow rate at the average monthly loading from that at the rated capacity.
Stack height above sea level (feet) (STACKHGT; EQUIPMNT.DBF)	Numeric (5,1)	(1) or (2)	Height of the engine stack above sea level, feet.
Stack inside diameter at outlet (inches) (STACKDIAM; EQUIPMNT.DBF)	Numeric (4,1)	(1) or (2)	Inside diameter of the engine stack at the stack outlet, inches.
Exhaust gas temperature at	Numeric (4,0)	(1) or	Engine exhaust gas temperature at

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
stack outlet (degrees F) (EXHSTTEMP; EQUIPMNT.DBF)		(2)	the stack outlet, degrees Fahrenheit (degrees F).
Stack angle at stack outlet (degrees) (STACKANGL; EQUIPMNT.DBF)	Numeric (3,0)	(1) or (2)	Engine stack angle at the stack outlet, degrees. Example: 0 <sup>0</sup> -vertical up, 90 <sup>0</sup> -horizontal, 180 <sup>0</sup> -vertical down.

After you have provided the information about the liquid fuel reciprocating engine, you will click on one of the following two options:

"Save changes and continue" Clicking on this option will save the data entered and will open the AEIS - Confirm, Screen #10.B.1.b.

"Continue without saving changes" Clicking on this option will not save the data entered and will open the AEIS - Confirm, Screen #10.B.1.b.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue" or "Continue without saving changes," and the AEIS - Confirm, Screen #10.B.1.b will open.

#### AEIS - Confirm, Screen 10.B.1.b.

In this screen, you are asked the question "Is equipment pollutant emissions controlled or reduced?"

Clicking on "Yes" will open the AEIS - Pollutant Control for Liquid Fuel Reciprocating Engine, Screen #10.B.1.c.

Clicking on "No" will open the AEIS - Equipment List Menu, Screen #9.

#### AEIS - Pollutant Control for Liquid Fuel Reciprocating Engine, Screen #10.B.1.c

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
Type of pollutant controlled (PCTYPE; EQUIPMNT.DBF)	Character (4)	(2)	Chemical symbol of the pollutant controlled and reduced. NO <sub>x</sub> -nitrogen oxides, SO <sub>x</sub> -sulfur oxides, VOC -volatile organic compounds, THC -total hydrocarbons, H <sub>2</sub> S -hydrogen sulfide.
Name or method of pollutant control (PCNMEMTHD; EQUIPMNT.DBF)	Character (80)	(2)	Name or method of pollutant control used for the liquid fuel reciprocating engine, such as ultra-lean burn, combustion chamber modification, fuel injection retard, catalytic converter, or low sulfur fuel.
Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(2)	Name of the pollutant control manufacturer for the liquid fuel reciprocating engine.
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(2)	Model number of the pollutant control for the liquid fuel reciprocating engine.
Percentage pollutant			Removal or recovery efficiency of

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
removal or recovery (PCPERCENT; EQUIPMNT.DBF)	Numeric (6,3)	(2)	the pollutant control, percentages (%).
Amount of pollutant entering pollutant control (lb/hr) (PCAMNTIN; EQUIPMNT.DBF)	Numeric (7,1)	(2)	Amount of pollutant (engine uncontrolled emissions) entering the pollutant control, pounds per hour (lb/hr) at the rated capacity, for the liquid fuel reciprocating engine.
Amount of pollutant exiting pollutant control (lb/hr) (PCAMNTOUT; EQUIPMNT.DBF)	Numeric (7,1)	(2)	Amount of pollutant (engine controlled emissions) exiting the pollutant control, pounds per hour (lb/hr) at the rated capacity, for the liquid fuel reciprocating engine.
Method of determining efficiency (PCMETHOD; EQUIPMNT.DBF)	Character (100)	(2)	Method used for determining the removal efficiency of or the input and the output loading for the pollutant control. Example: manufacturer guarantee, stack test, or mass balance.
Hours run without pollutant control (PCHRSRUN; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Number of hours the pollutant control was not operating with the engine operating during the reporting period. Round up the number of hours the pollutant control was not operating to a whole number.
Amount of fuel used without pollutant control (gallons) (PCAMNTPROC; EQUIPMNT.DBF)	Numeric (11,1)	(3)	Amount of diesel fuel used by the engine during the non-operation of the pollutant control with the engine operating (gallons) during the reporting period. If the engine fuel usage is metered, report the difference between the fuel meter values at the beginning and the end of the non-operational period. If not metered or recorded, calculate the

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
			engine fuel usage based on the engine's output loading (hp), number of hours operated, and fuel consumption rate (gallons per output loading in hp-hr, during the non-operation of the pollutant control).

After you have provided the information about the pollutant control for the liquid fuel reciprocating engine, you will click on one of the following two options:

"Save changes and continue" Clicking on this option will save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

"Continue without saving changes" Clicking on this option will not save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue" or "Continue without saving changes," and the AEIS - Equipment List Menu, Screen #9 will open.

AEIS - Gas Fuel Reciprocating Engine, Screen #10.B.2.a.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE;	Date (10)	(1)	Starting date for the reporting period as provided by MMS.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
EQUIPMNT.DBF)			
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(1) or (2)	Name of the gas fuel reciprocating engine manufacturer.
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(1) or (2)	Model number of the gas fuel reciprocating engine.
Combustion code (RCPCMBCODE; EQUIPMNT.DBF)	Character (2)	(2)	Code for the gas fuel reciprocating engine: L2 - Lean burn with 2 strokes, L4 - Lean burn with 4 strokes, R4 - Rich burn with 4 strokes.
Rating (hp) (RATING; EQUIPMNT.DBF)	Numeric (8,1)	(1) or (2)	Engine rating or capacity, horse power (hp), for the gas fuel reciprocating engine.
Maximum hourly fuel usage (SCFH) (MXHRFLUSE; EQUIPMNT.DBF)	Numeric (8,2)	(1) or (2)	Engine maximum hourly fuel usage at rated capacity, standard cubic feet per hour(SCFH), for the gas fuel reciprocating engine.
Total fuel usage during reporting period (MSCF)	Numeric (12,2)	(3)	Total amount of gas fuel used by the engine, thousand standard cubic feet (MSCF), during the reporting period. If the engine fuel usage is metered, report the difference between the fuel meter values at the beginning and the end of the reporting period. If not metered or recorded, calculate the

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
Fuel sulfur content (ppmv) (FLSULFCONT; EQUIPMNT.DBF)	Numeric (9,3)	(3)	engine fuel usage based on the engine's output loading in hp, total number of hours operated and fuel consumption rate (SCF per output loading in hp-hr).  Average sulfur content of gas fuel used in the engine, parts per million, by volume (ppmv), during the reporting period. Report a monthly average value for the reporting period.
Total number of hours of operation during reporting period (TOTDAYS; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Total number of hours the engine was operating during the reporting period. Round up the number of hours the engine was operating to a whole number.
Total number of days of operation during reporting period (TOTDAYS; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Total number of days the engine was operating during the reporting period. Count it as a day of operation if the engine was operating one hour or more.
Exhaust gas flow rate (acfm) (EXHSTRATE; EQUIPMNT.DBF)	Numeric (7,0)	(3)	Engine exhaust gas flow rate, actual cubic feet per minute (acfm). Ratio the exhaust gas flow rate at the average monthly loading from that at the rated capacity.
Stack height above sea level (feet) (STACKHGT; EQUIPMNT.DBF)	Numeric (5,1)	(1) or (2)	Height of the engine stack above sea level, feet.
Stack inside diameter at outlet (inches) (STACKDIAM; EQUIPMNT.DBF)	Numeric (4,1)	(1) or (2)	Inside diameter of the engine stack at the stack outlet, inches.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
Exhaust gas temperature at stack outlet (degrees F) (EXHSTTEMP; EQUIPMNT.DBF)	Numeric (3,0) Numeric (4,0)	(1) or (2)	Engine exhaust gas temperature at the stack outlet, degrees Fahrenheit (degrees F).
Stack angle at stack outlet (degrees) (STACKANGL; EQUIPMNT.DBF)		(1) or (2)	Engine stack angle at the stack outlet, degrees. Example: 0 <sup>0</sup> -vertical up, 90 <sup>0</sup> -horizontal, 180 <sup>0</sup> -vertical down.

After you have provided the information about the gas fuel reciprocating engine, you will click on one of the following two options:

"Save changes and continue" Clicking on this option will save the data entered and will open the AEIS - Confirm, Screen #10.B.2.b.

"Continue without saving changes" Clicking on this option will not save the data entered and will open the AEIS - Confirm, Screen #10.B.2.b.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue" or "Continue without saving changes," and the AEIS - Confirm, Screen #10.B.2.b will open.

#### AEIS - Confirm, Screen 10.B.2.b.

In this screen, you are asked the question "Is equipment pollutant emissions controlled or reduced?"

Clicking on "Yes" will open the AEIS - Pollutant Control for Gas Fuel Reciprocating Engine, Screen #10.B.2.c.

Clicking on "No" will open the AEIS - Equipment List Menu, Screen #9.

#### AEIS - Pollutant Control for Gas Fuel Reciprocating Engine, Screen #10.B.2.c.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID;	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
PLATFORM.DBF)			platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
Type of pollutant controlled (PCTYPE; EQUIPMNT.DBF)	Character (4)	(2)	Chemical symbol of the pollutant controlled and reduced. NO <sub>x</sub> -nitrogen oxides, SO <sub>x</sub> -sulfur oxides, VOC -volatile organic compounds, THC -total hydrocarbons, H <sub>2</sub> S -hydrogen sulfide.
Name or method of pollutant control (PCNMEMTHD; EQUIPMNT.DBF)	Character (80)	(2)	Name or method of the pollutant control used for the gas fuel reciprocating engine, such as ultra-lean burn, combustion chamber modification, fuel injection retard, catalytic converter, or low sulfur fuel.
Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(2)	Name of the pollutant control manufacturer for the gas fuel reciprocating engine.
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(2)	Model number of the pollutant control for the gas fuel reciprocating engine.
Percentage pollutant	Numeric (6,3)	(2)	Removal or recovery efficiency of

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
removal or recovery (PCPERCENT; EQUIPMNT.DBF)			the pollutant control, percentages (%).
Amount of pollutant entering pollutant control (lb/hr) (PCAMNTIN; EQUIPMNT.DBF)	Numeric (7,1)	(2)	Amount of pollutant (engine uncontrolled emissions), pounds per hour (lb/hr), entering the pollution control at the rated capacity for the gas fuel reciprocating engine.
Amount of pollutant exiting pollutant control (lb/hr) (PCAMNTOUT; EQUIPMNT.DBF)	Numeric (7,1)	(2)	Amount of pollutant (engine controlled emissions), pounds per hour (lb/hr), exiting the pollutant control at the rated capacity for the gas fuel reciprocating engine.
Method of determining efficiency (PCMETHOD; EQUIPMNT.DBF)	Character (100)	(2)	Method used for determining the removal efficiency of or the input and the output loading for the pollutant control. Example: manufacturer guarantee, stack test, or mass balance.
Hours run without pollutant control (PCHRSRUN; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Number of hours the pollutant control was not operating with the engine operating during the reporting period. Round up the number of hours the pollutant control was not operating to a whole number.
Amount of fuel used without pollutant control (MSCF) (PCAMNTPROC; EQUIPMNT.DBF)	Numeric (11,1)	(3)	Amount of gas fuel used by the engine, thousand standard cubic feet (MSCF), during the non-operation of the pollutant control during the reporting period. If the engine fuel usage is metered, report the difference between the fuel meter values at the beginning and the end of the non-operational period. If not metered or recorded, calculate the engine fuel usage based on the engine's output loading (hp), number of hours operated and fuel consumption rate (SCF per output

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
			loading in hp-hr, during non-operation of the pollutant control).

After you have provided the information about the pollution control for the gas fuel reciprocating engine, you click on one of the following two options:

"Save changes and continue" Clicking on this option will save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

"Continue without saving changes" Clicking on this option will not save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue" or "Continue without saving changes," and the AEIS - Equipment List Menu, Screen #9 will open.

AEIS - Gas Fuel Turbine Engine, Screen #10.B.3.a

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DB)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DB)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID	Numeric (2,0)	(1)	Equipment identification number as

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
(EQUID; EQUIPMNT.DBF)			provided by MMS, a sequential number.
Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(1) or (2)	Name of the gas fuel turbine engine manufacturer.
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(1) or (2)	Model number of the gas fuel turbine engine.
Rating (hp) (RATING; EQUIPMNT.DBF)	Numeric (8,1)	(1) or (2)	Engine rating or capacity, horse power (hp), for the gas fuel turbine engine.
Maximum hourly fuel usage (SCFH) (MXHRFLUSE; EQUIPMNT.DBF)	Numeric (8,2)	(1) or (2)	Engine maximum hourly fuel usage at rated capacity, standard cubic feet per hour (SCFH), for the gas fuel turbine engine.
Total fuel usage during reporting period (MSCF) (TOTFLUSE; EQUIPMNT.DBF)	Numeric (12,2)	(3)	Total amount of fuel used by the engine, thousand standard cubic feet (MSCF), during the reporting period. If the engine fuel usage is metered, report the difference between the fuel meter values at the beginning and the end of the reporting period. If not metered or recorded, calculate the engine gas fuel usage based on the engine's output loading in hp, total number of hours operated and fuel consumption rate (SCF per output loading in hp-hr).
Fuel sulfur content (pmv) (FLSULFCONT; EQUIPMNT.DBF)	Numeric (9,3)	(3)	Average sulfur content of gas fuel used on the engine, parts per million, by volume (ppmv), during the reporting period. We want you to report a monthly average value for the reporting period.
Total number of hours of operation during reporting period (TOTHOURS;	Numeric (4,0)	(3)	Total number of hours the engine was operating during the reporting period. Round up the number of hours the

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
EQUIPMNT.DBF)			engine was operating to a whole number.
Total number of days of operation during reporting period (TOTDAYS; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Total number of days the engine was operating during the reporting period. Count it as a day of operation if the engine was operating one hour or more.
Exhaust gas flow rate (ACFM) (EXHSTRATE; EQUIPMNT.DBF)	Numeric (7,0)	(3)	Engine exhaust gas flow rate, actual cubic feet per minute (ACFM). You can ratio the exhaust gas flow rate at the average monthly loading from that at the rated capacity.
Stack height above sea level (feet) (STACKHGT; EQUIPMNT.DBF)	Numeric (5,1)	(1) or (2)	Height of the engine stack above sea level, feet.
Stack inside diameter at outlet (inches) (STACKDIAM; EQUIPMNT.DBF)	Numeric (4,1)	(1) or (2)	Inside diameter of the engine stack at the stack outlet, inches.
Exhaust gas temperature at stack outlet (degrees F) (EXHSTTEMP; EQUIPMNT.DBF)	Numeric (4,0)	(1) or(2)	Engine exhaust gas temperature at the stack outlet, degrees Fahrenheit (degrees F).
Stack angle (degrees) (STACKANGL; EQUIPMNT.DBF)	Numeric (3,0)	(1) or (2)	Engine stack angle at the stack outlet, degrees. Example: 0 <sup>0</sup> -vertical up, 90 <sup>0</sup> -horizontal, 180 <sup>0</sup> -vertical down.

After you have provided the information about the gas fuel turbine engine, you click on one of the following two options:

- "Save changes and continue" Clicking on this option will save the data entered and will open the AEIS - Confirm, Screen #10.B.3.b.
- "Continue without saving changes" Clicking on this option will not save the data entered and will open the AEIS - Confirm, Screen #10.B.3.b.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue " or "Continue without saving changes," and the AEIS - Confirm, Screen #10.B.3.b will open.

AEIS - Confirm, Screen 10.B.3.b.

In this screen, you are asked the question "Is equipment pollutant emissions controlled or reduced?"

Clicking on "Yes" will open the AEIS - Pollutant Control for Gas Fuel Turbine Engine, Screen #10.B.3.c.

Clicking on "No" will open the AEIS - Equipment List Menu, Screen #9.

AEIS - Pollutant Control for Gas Fuel Turbine Engine, Screen #10.B.3.c.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type Data &amp; Size</u>	<u>Field Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
Type of pollutant controlled (PCTYPE; EQUIPMNT.DBF)	Character (4)	(2)	Chemical symbol of the pollutant controlled and reduced. NO <sub>x</sub> -nitrogen oxides, SO <sub>x</sub> -sulfur oxides, VOC -volatile organic compounds, THC -total hydrocarbons, H <sub>2</sub> S

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type Data &amp; Size</u>	<u>Field Type</u>	<u>Definition or Description</u>
			-hydrogen sulfide.
Name or method of pollutant control (PCNMEMTHD; EQUIPMNT.DBF)	Character (80)	(2)	Name or method of pollutant control used for the gas fuel turbine engine, such as ultra-lean burn, combustion chamber modification, fuel injection retard, catalytic converter, or low sulfur fuel.
Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(2)	Name of the pollutant control manufacturer for the gas fuel turbine engine.
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(2)	Model number of the pollutant control for the gas fuel turbine engine.
Percentage pollutant removal or recovery (PCPERCENT; EQUIPMNT.DBF)	Numeric (6,3)	(2)	Removal or recovery efficiency of the pollutant control, percentages (%).
Amount of pollutant entering pollutant control (lb/hr) (PCAMNTIN; EQUIPMNT.DBF)	Numeric (7,1)	(2)	Amount of pollutant (engine uncontrolled emissions), pounds per hour (lb/hour), entering the pollutant control at the rated capacity for the gas fuel turbine engine.
Amount of pollutant exiting pollutant control (lb/hr) (PCAMNTOUT; EQUIPMNT.DBF)	Numeric (7,1)	(2)	Amount of pollutant (engine controlled emissions), pounds per hour (lb/hour), exiting the pollutant control at the rated capacity for the gas fuel turbine engine.
Method of determining efficiency (PCMETHOD; EQUIPMNT.DBF)	Character (100)	(2)	Method used for determining the removal efficiency of or the input and the output loading for the pollutant control. Example: manufacturer guarantee, stack test, or mass balance.
Hours run without	Numeric (4,0)	(3)	Number of hours the pollutant

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type Data &amp; Size</u>	<u>Field Type</u>	<u>Definition or Description</u>
pollutant control (PCHRSRUN; EQUIPMNT.DBF)			control was not operating with the engine operating during the reporting period. Round up the number of hours the pollutant control was not operating to a whole number.
Amount of fuel used without pollutant control (MSCF) (PCAMNTPROC; EQUIPMNT.DBF)	Numeric (11,1)	(3)	Amount of gas fuel used by the engine, thousand standard cubic feet (MSCF), during the non-operation of the pollutant control during the reporting period. If the engine fuel usage is metered, then report the difference in the fuel meter values at the beginning and the end of the non-operational period. If not metered or recorded, calculate the engine fuel usage based on the engine's output loading (hp), number of hours operated and fuel consumption rate (SCF per output loading in hp-hr, during the non-operation of the pollutant control).

After you have provided the information about the pollutant control for the gas fuel turbine engine, you click on one of the following two options:

"Save changes and continue" Clicking on this option will save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

"Continue without saving" Clicking on this option will not save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue " or "Continue without saving changes," and the AEIS - Equipment List Menu, Screen #9 will open.

AEIS - Gas Fuel Heater, Screen #10.B.4.a.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(1) or (2)	Name of the gas fuel heater manufacturer.
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(1) or (2)	Model number of the gas fuel heater.
Rating (MMBTUH) (RATING; EQUIPMNT.DBF)	Numeric (8,1)	(1) or (2)	Heater heat input rating or capacity, million British thermal unit per hour (MMBTUH).
Maximum hourly fuel usage (SCFH) (MXHRFLUSE; EQUIPMNT.DBF)	Numeric (8,2)	(1) or (2)	Heater maximum hourly fuel usage at rated capacity, standard cubic feet per hour (SCFH).
Total fuel usage during	Numeric (12,2)	(3)	Total amount of gas fuel used by

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
reporting period (MSCF) (TOTFLUSE; EQUIPMNT.DBF)			the heater, thousand standard cubic feet (MSCF), during the reporting period. If the heater fuel usage is metered, report the difference between the fuel meter values at the beginning and the end of the reporting period. If not metered or recorded, calculate the heater fuel usage based on the heater's input loading in MMBTUH, total number of hours operated, and fuel consumption rate (SCF per input loading in MMBTUH).
Fuel sulfur content (ppmv) (FLSULFCONT; EQUIPMNT.DBF)	Numeric (9,3)	(3)	Average sulfur content of gas fuel used on the heater, parts per million, by volume (ppmv), during the reporting period. Report a monthly average value for the reporting period.
Total number of hours of operation during reporting period (TOTHOOURS; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Total number of hours the heater was operating during the reporting period. Round up the number of hours the heater was operating to a whole number.
Total number of days of operation during reporting period (TOTDAYS; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Total number of days the heater was operating during the reporting period. Count it as a day of operation if the heater was operating one hour or more.
Exhaust gas flow rate (ACFM) (EXHSTRATE; EQUIPMNT.DBF)	Numeric (7,0)	(3)	Heater exhaust gas flow rate, actual cubic feet per minute (ACFM). Ratio the exhaust gas flow rate at the average monthly loading from that at the rated capacity.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
Stack height above sea level (feet) (STACKHGT; EQUIPMNT.DBF)	Numeric (5,1)	(1) or (2)	Height of a heater stack above sea level, feet.
Stack inside diameter at outlet (inches) (STACKDIAM; EQUIPMNT.DBF)	Numeric (4,1)	(1) or (2)	Inside diameter of the heater stack at the stack outlet, inches.
Exhaust gas temperature at stack outlet (degrees F) (EXHSTTEMP; EQUIPMNT.DBF)	Numeric (4,0)	(1) or (2)	Heater exhaust gas temperature at the stack outlet, degrees Fahrenheit (degrees F).
Stack angle (degrees) (STACKANGL; EQUIPMNT.DBF)	Numeric (3,0)	(1) or (2)	Heater stack angle at the stack outlet, degrees. Example: 0 <sup>0</sup> -vertical up, 90 <sup>0</sup> -horizontal, 180 <sup>0</sup> -vertical down.

After you have provided the information about the gas fuel heater, you click on one of the following two options:

"Save changes and continue" Clicking on this option will save the data entered and will open the AEIS - Confirm, Screen #10.B.4.b.

"Continue without saving changes" Clicking on this option will not save the data entered and will open the AEIS - Confirm, Screen #10.B.4.b.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue " or "Continue without saving changes," and the AEIS - Confirm, Screen #10.B.4.b will open.

AEIS - Confirm, Screen 10.B.4.b.

In this screen, you are asked the question "Is equipment pollutant emissions controlled or reduced?"

Clicking on "Yes" will open the AEIS - Pollutant Control Information for Gas Fuel Heater, Screen #10.B.4.c.

Clicking on "No" will open the AEIS - Equipment List Menu, Screen #9.

AEIS - Pollutant Control Information for Gas Fuel Heater, Screen #10.B.4.c

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
Type of pollutant controlled (PCTYPE; EQUIPMNT.DBF)	Character (4)	(2)	Chemical symbol of the pollutant controlled and reduced. NO <sub>x</sub> -nitrogen oxides, SO <sub>x</sub> -sulfur oxides, VOC -volatile organic compounds, THC -total hydrocarbons, H <sub>2</sub> S -hydrogen sulfide.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
Name or method of pollutant control (PCNMEMTHD; EQUIPMNT.DBF)	Character (80)	(2)	Name or method of the pollutant control used for the gas fuel heater such as ultra-lean burn, combustion chamber modification, fuel injection retard, catalytic converter, or low sulfur fuel.
Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(2)	Name of the pollutant control manufacturer for the gas fuel heater.
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(2)	Model number of the pollutant control for the gas fuel heater.
Percentage pollutant removal or recovery (PCPERCENT; EQUIPMNT.DBF)	Numeric (6,3)	(2)	Removal or recovery efficiency of the pollutant control, percentages (%).
Amount of pollutant entering pollutant control (lb/hr) (PCAMNTIN; EQUIPMNT.DBF)	Numeric (7,1)	(2)	Amount of pollutant (engine uncontrolled emissions), pounds per hour (lb/hr), entering the pollutant control at the rated capacity for the gas fuel heater.
Amount of pollutant exiting pollutant control (lb/hr) (PCAMNTOUT; EQUIPMNT.DBF)	Numeric (7,1)	(2)	Amount of pollutant (engine controlled emissions), pounds per hour (lb/hr), exiting the pollutant control at the rated capacity for the gas fuel heater.
Method of determining efficiency (PCMETHOD; EQUIPMNT.DBF)	Character (100)	(2)	Method used for determining the removal efficiency of or the input and the output loading for pollutant control. Example: manufacturer guarantee, stack test, or mass balance.
Hours run without pollutant control	Numeric (4,0)	(3)	Number of hours the pollutant control was not operating with

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
(PCHRSRUN; EQUIPMNT.DBF)			the heater operating during the reporting period. Round up the number of hours the pollutant control was not operating to a whole number.
Amount of fuel used without pollutant control (MSCF) (PCAMNTPROC; EQUIPMNT.DBF)	Numeric (11,1)	(3)	Amount of gas fuel used by the heater, thousand standard cubic feet (MSCF) during the non-operation of the pollution control during the reporting period. If the heater fuel usage is metered, report the difference between the fuel meter values at the beginning and the end of the non-operational period. If not metered or recorded, calculate the heater fuel usage based on the heater's input loading in MMBTUH, number of hours operated, and fuel consumption rate (SCF per input loading in MMBTUH, during the non-operation of the pollutant control).

After you have provided the information about the pollutant control for the gas fuel heater, you click on one of the following two options:

- "Save changes and continue" Clicking on this option will save the data entered and will open the AEIS - Equipment List Menu, Screen #9.
- "Continue without saving changes" Clicking on this option will not save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue " or "Continue without saving changes," and the AEIS - Equipment List Menu, Screen #9 will open.

AEIS - Glycol Dehydrator & Reboiler (page 1 of 2), Screen #10.B.5.a.i

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
<u>Dehydrator</u>			
Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(1) or (2)	Name of the glycol dehydrator manufacturer.
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(1) or (2)	Model number of the glycol dehydrator,
Type of dehydrator (TEG or EG) (GCTYPE; EQUIPMNT.DBF)	Character (3)	(2)	Code for the type of glycol dehydrator: EG - Ethylene, TEG -Triethylene.
Rating of water removal capacity (lb/hr) (GCREBRAT; EQUIPMNT.DBF)	Numeric (10,2)	(2)	Dehydrator water removal capacity, pounds per hour (lb/hr).

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
Maximum hourly throughput (SCFH) (GCTHRUPUT; EQUIPMNT.DBF)	Numeric (10,2)	(2)	Dehydrator gas processing capacity, standard cubic feet per hour (SCFH).
Gas pressure through dehydrator (psig) (GCGASPRESS, EQUIPMNT.DBF)	Numeric (5,1)	(2)	Natural gas pressure through the dehydrator, pounds per square inch (psig), above atmospheric pressure.
Gas temperature through dehydrator (degrees F) (GCGASTEMP, EQUIPMNT.DBF)	Numeric (4,0)	(2)	Temperature of natural gas through the dehydrator, degrees Fahrenheit (degrees F).
Water content of wet gas entering dehydrator (lb/MMSCF) (GCWETGAS, EQUIPMNT.DBF)	Numeric (5,1)	(2)	Water content of the wet gas entering the dehydrator, pounds per million standard cubic feet of gas dehydrated (lb/MMSCF).
Water content of dry gas exiting dehydrator (lb/MMSCF) (GCDRYGAS, EQUIPMNT.DBF)	Numeric (5,1)	(2)	Water content of the dry gas exiting the dehydrator, pounds per million standard cubic feet of gas dehydrated (lb/MMSCF).
Glycol circulation rate (GPM) (GCCIRRATE, EQUIPMNT.DBF)	Numeric (5,1)	(2)	Glycol circulation rate through the dehydrator, gallons per minute (GPM).
Total amount of natural gas dehydrated (MMSCF) (GCTOTDEHY; EQUIPMNT.DBF)	Numeric (12,2)	(3)	Total amount of natural gas dehydrated, million standard cubic feet (MMSCF), during the reporting period. If the dehydrated gas is metered, report the difference between the dehydrated gas meter values at the beginning and the end of the reporting period. If not metered or recorded, calculate the amount

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
			of gas dehydrated based on the dehydrator average hourly load and total number of hours operated.
For gas-fired engine used for glycol pumping, natural gas used (SCFH/GPM glycol) (GCGASUSED, EQUIPMNT.DBF)	Numeric (6,2)	(2)	Amount of natural gas used for running the gas-fired engine to operate the glycol pump, standard cubic foot per hour per gallons per minute of glycol recirculated (SCFH/GPM, glycol).

After you have provided the information about the dehydrator, clicking on "Continue" will open the AEIS - Glycol Dehydrator & Reboiler (page 2 of 2), Screen #10.B.5.a.ii.

Once you have completed this screen and saved it, you can bypass the screen by clicking on "Continue," and the AEIS - Glycol Dehydrator & Reboiler (page 2 of 2), Screen #10.B.5.a.ii will open.

AEIS - Glycol Dehydrator & Reboiler(page 2 of 2), Screen #10.B.5.a.ii.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
			SCFH)
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date	Date (10)	(1)	Ending date for the reporting

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
(ENDDATE; EQUIPMNT.DBF)			SCFH) period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
<u>Reboiler</u> Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(1) or (2)	Name of the gas fuel reboiler manufacturer.
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(1) or (2)	Model number of the gas fuel reboiler.
Rating (MMBTUH) (RATING; EQUIPMNT.DBF)	Numeric (8,1)	(1) or (2)	Reboiler heat input rating or capacity, million British thermal units per hour (MMBTUH).
Maximum hourly fuel usage (SCFH) (MXHRFLUSE; EQUIPMNT.DBF)	Numeric (8,2)	(1) or (2)	Reboiler maximum hourly fuel usage at rated capacity, standard cubic feet per hour (SCFH).
Total fuel usage during reporting period (MSCF) (TOTFLUSE; EQUIPMNT.DBF)	Numeric (12,2)	(3)	Total amount of fuel used by the gas fuel reboiler, thousand standard cubic feet (MSCF), during the reporting period. If the reboiler fuel usage is metered, report the difference between the fuel meter values at the beginning and the end of the reporting period. If not metered or recorded, calculate the reboiler fuel usage based on the reboiler's input loading in MMBTUH, total number of hours operated, and fuel consumption rate (SCF per input loading in MMBTUH).
Fuel sulfur content (ppmv)	Numeric (9,3)	(3)	Average sulfur content of gas fuel

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>SCFH)</u> <u>Definition or Description</u>
(FLSULFCONT; EQUIPMNT.DBF)			used on the reboiler, parts per million, by volume (ppmv), during the reporting period. Report a monthly average value for the reporting period.
Total number of hours of operation during reporting period (TOTHOURS; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Total number of hours the reboiler was operating during the reporting period. Round up the number of hours the reboiler was operating to a whole number.
Total number of days of operation during reporting period (TOTDAYS; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Total number of days the reboiler was operating during the reporting period. Count it as a day of operation if the reboiler was operating one hour or more.
Exhaust gas flow rate (ACFM) (EXHSTRATE; EQUIPMNT.DBF)	Numeric (7,0)	(3)	Reboiler exhaust gas flow rate, actual cubic feet per minute (ACFM). Ratio the exhaust gas flow rate at the average monthly loading from that at the rated capacity.
Stack height above sea level (feet) (STACKHGT; EQUIPMNT.DBF)	Numeric (5,1)	(1) or (2)	Height of the reboiler stack above sea level, feet.
Stack inside diameter at outlet (inches) (STACKDIAM; EQUIPMNT.DBF)	Numeric (4,1)	(1) or (2)	Inside diameter of the reboiler stack at the stack outlet, inches.
Exhaust gas temperature at stack outlet (degrees F) (EXHSTTEMP; EQUIPMNT.DBF)	Numeric (4,0)	(1) or (2)	Reboiler exhaust gas temperature, at the stack outlet, degrees Fahrenheit (degrees F).
Stack angle at outlet (degrees)	Numeric (3,0)	(1) or (2)	Reboiler stack angle, at the stack outlet, degrees. Example:

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>SCFH) Definition or Description</u>
(STACKANGL; EQUIPMNT.DBF)			0 <sup>0</sup> -vertical up, 90 <sup>0</sup> -horizontal, 180 <sup>0</sup> -vertical down.

After you have provided the information about the gas fuel reboiler, you click on one of the following three options:

- "Save changes and continue" Clicking on this option will save the data entered in both the screens for the dehydrator and the reboiler and will open the AEIS - Confirm, Screen #10.B.5.b.
- "Continue without saving changes" Clicking on this option will not save the data entered in both the screens for the dehydrator and the reboiler and will open the AEIS - Confirm, Screen #10.B.5.b.
- "Previous Screen" Clicking on this option will not save the data entered in the screen (page 2 of 2) for the reboiler and will open the AEIS - Glycol Dehydrator & Reboiler (page 1 of 2), Screen #10.B.5.a.i.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue " or "Continue without saving changes," and the AEIS - Confirm, Screen #10.B.5.b will open.

AEIS - Confirm, Screen 10.B.5.b.

In this screen, you are asked the question "Is equipment pollutant emissions controlled or reduced?"

Clicking on "Yes" will open the AEIS - Pollutant Control for Glycol Dehydrator and Reboiler, Screen #10.B.5.c.

Click on "No" will open the AEIS - Equipment List Menu, Screen #9.

AEIS - Pollutant Control for Glycol Dehydrator and Reboiler, Screen #10.B.5.c

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID	Numeric (8,0)	(1)	MMS-assigned complex

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
(COMPLEXID; PLATFORM.DBF)			identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
Type of pollutant controlled (PCTYPE; EQUIPMNT.DBF)	Character (4)	(2)	Chemical symbol of the pollutant controlled and reduced. NO <sub>x</sub> -nitrogen oxides, SO <sub>x</sub> -sulfur oxides, VOC -volatile organic compounds, THC -total hydrocarbons, H <sub>2</sub> S -hydrogen sulfide.
Name or method of pollutant control (PCNMEMTHD; EQUIPMNT.DBF)	Character (80)	(2)	Name or method of pollutant control used for the glycol dehydrator and reboiler, such as condenser, combustion chamber modification, fuel injection retard, catalytic converter, or low sulfur fuel.
Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(2)	Name of the pollutant control manufacturer for the glycol dehydrator and reboiler .

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(2)	Model number of the pollutant control for the glycol dehydrator and reboiler.
Percentage pollutant removal or, recovery (PCPERCENT; EQUIPMNT.DBF)	Numeric (6,3)	(2)	Removal or recovery efficiency of the pollutant control, percentages (%).
Amount of pollutant entering pollutant control (lb/hr) (PCAMNTIN; EQUIPMNT.DBF)	Numeric (7,1)	(2)	Amount of pollutant (dehydrator uncontrolled emissions), pounds per hour (lb/hr), entering the pollutant control at the rated capacity for the glycol dehydrator and reboiler.
Amount of pollutant exiting pollutant control (lb/hr) (PCAMNTOUT; EQUIPMNT.DBF)	Numeric (7,1)	(2)	Amount of pollutant (dehydrator controlled emissions), pounds per hour (lb/hr), exiting the pollutant control at the rated capacity for the glycol dehydrator and reboiler.
Method of determining efficiency (PCMETHOD; EQUIPMNT.DBF)	Character (100)	(2)	Method used for determining the removal efficiency of or the input and the output loading for pollutant control. Example: manufacturer guarantee or stack test or mass balance.
Hours run without pollutant control (PCHRSRUN; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Number of hours pollutant control was not operating with the dehydrator operating during the reporting period. Round up the number of hours the pollutant control was not operating to a whole number.
Amount of gas dehydrated without pollutant control (MMSCF)(PCAMNTPRO C; EQUIPMNT.DBF)	Numeric (11,1)	(3)	Amount of natural gas dehydrated by the dehydrator, million standard cubic feet (MMSCF), during the non-operation of the pollutant control during the

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
			reporting period. If the dehydrated gas is metered, report the difference between the dehydrated gas meter values at the beginning and the end of the non-operation period. If not metered or recorded, calculate the amount of gas dehydrated based on the dehydrator average hourly load and the number of hours the pollutant control was not operating during the reporting period.

After you have provided the information about the pollutant control for the glycol dehydrator and reboiler, you click on one of the following two options:

"Save changes and continue" Clicking on this option will save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

"Continue without saving changes" Clicking on this option will not save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue " or "Continue without saving changes," and the AEIS - Equipment List Menu, Screen #9 will open.

AEIS - Equipment-Liquid Storage Tank Screen #10.B.6.(a)

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name	Character (30)	(1)	Name of the structure assigned by the

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
(STRUCNAME; PLATFORM.DBF)			company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
Name of liquid stored (STLIQUIDNM; EQUIPMNT.DBF)	Character (15)	(1) or (2)	Name of the liquid stored in the storage tank.
Tank storage capacity (gallons) (STCAPACITY; EQUIPMNT.DBF)	Numeric (10,2)	(1) or (2)	Storage capacity of the tank, gallons.
Storage tank's exterior paint color (STCOLOR; EQUIPMNT.DBF)	Character (10)	(2)	Storage tank's exterior paint color.
Storage tank's internal diameter (feet) (STINTDIAM; EQUIPMNT.DBF)	Numeric (5,1)	(1) or (2)	Storage tank's internal diameter, feet.
Storage tank's internal height (feet) (STINTHGT; EQUIPMNT.DBF)	Numeric (5,1)	(1) or (2)	Storage tank's internal diameter, feet.
Tank throughput (gallons) during reporting period (STTHRUPUT; EQUIPMNT.DBF)	Numeric (10,2)	(3)	Amount of liquid put into the storage tank, gallons, during the reporting period.

After you have provided the information about the liquid storage tank, you click on one of the following two options:

"Save changes and continue"      Clicking on this option will save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

"Continue without saving changes"      Clicking on this option will not save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue " or "Continue without saving changes," and the AEIS - Equipment List Menu, Screen #9., will open.

AEIS - Amine Sulfur Recovery Unit (page 1 of 2), Screen #10.B.7.a.i.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(1)	Name of the amine sulfur recovery unit manufacturer.
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(2)	Model number of the amine sulfur recovery unit.
Capacity (lb/hr-capacity to remove H <sub>2</sub> S) (RATING; EQUIPMNT.DBF)	Numeric (10,2)	(2)	Amine unit capacity to remove H <sub>2</sub> S from sour gas, pounds per hour (lb./hour).
Maximum hourly throughput (SCFH) (AUTOTHPUT;	Numeric (6,2)	(2)	Amine unit capacity to process sour gas, standard cubic foot per hour (SCFH).

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
EQUIPMNT.DBF)			
Total throughput (sour gas) (MMSCF) (AUTOTPROC; EQUIPMNT.DBF)	Numeric (11,3)	(3)	Total amount of natural (sour) gas processed through the amine unit, million standard cubic feet (MMSCF), during the reporting period. If the sour gas is metered, report the difference between the sour gas meter values at the beginning and the end of the reporting period. If not metered or recorded, calculate the amount of sour gas process based on the amine unit average hourly load and the number of hours the amine unit was operated during the reporting period.
Total number of hours of operation during reporting period (TOTHOURS; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Total number of hours the amine unit was operating during the reporting period. Round up the number of hours the amine unit was operating to a whole number.
Total number of days of operation during reporting period (TOTDAYS; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Total number of days the amine unit was operating during the reporting period. Count it as a day of operation if the amine unit was operating one hour or more.
Stack height above sea level, (feet) (STACKHGT; EQUIPMNT.DBF)	Numeric (5,1)	(2)	Height of the amine unit stack above sea level, feet.
Stack inside diameter at outlet (inches) (STACKDIAM; EQUIPMNT.DBF)	Numeric (4,1)	(2)	Inside diameter of the amine unit stack at the stack outlet, inches.
Exhaust gas flow rate (ACFM) (EXHSTRATE;	Numeric (7,0)	(3)	Amine unit exhaust gas flow rate, actual cubic feet per minute (ACFM). Ratio the exhaust gas flow rate at

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
EQUIPMNT.DBF)			the average monthly loading from that at the rated capacity.
Exhaust gas temperature at stack outlet (degrees F) (EXHSTTEMP; EQUIPMNT.DBF)	Numeric (4,0)	(2)	Amine unit exhaust gas temperature at the stack outlet, degrees Fahrenheit (degrees F).
Stack angle at outlet (degrees) (STACKANGL; EQUIPMNT.DBF)	Numeric (3,0)	(2)	Amine unit stack angle at the stack outlet, degrees. Example: 0 <sup>0</sup> -vertical up, 90 <sup>0</sup> -horizontal, 180 <sup>0</sup> -vertical down.

After you have provided the information about the amine unit on this screen, you click on "Continue" to open the AEIS - Amine Sulfur Recovery Unit (page 2 of 2), Screen #10.B.7.a.ii.

Once you have completed the form and saved it, you can bypass the screen by clicking on "Continue," and the AEIS - Amine Sulfur Recovery Unit (page 2 of 2), Screen #10.B.7.a.ii will open.

AEIS - Amine Sulfur Recovery Unit (Page 2 of 2), Screen #10.B.7.a.ii.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Starting date (STARTDATE;	Date (10)	(1)	Starting date for the reporting period as provided by MMS.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
EQUIPMNT.DBF)			
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
Amount of sweet (sale) gas processed during reporting period (MMSCF) (AUTOTTHPUT; EQUIPMNT.DBF)	Numeric (11,3)	(3)	Amount of sweet (sale) gas exiting the amine unit, million standard cubic feet (MMSCF), during the reporting period.
Amount of acid gas during reporting period (MMSCF) (AUAMTACID; EQUIPMNT.DBF)	Numeric (11,3)	(3)	Amount of acid gas exiting the amine unit, million standard cubic feet (MMSCF), during the reporting period.
Input concentration of H <sub>2</sub> S in sour gas (ppmv) (AUH2SIN; EQUIPMNT.DBF)	Numeric (6,0)	(3)	H <sub>2</sub> S concentration in the sour gas entering the amine unit, parts per million by volume (ppmv), during the reporting period.
Output concentration of H <sub>2</sub> S in acid gas (ppmv) (AUH2SOUTAC; EQUIPMNT.DBF)	Numeric (6,0)	(3)	H <sub>2</sub> S concentration in the acid gas exiting the amine unit, parts per million by volume (ppmv), during the reporting period.
Output concentration of H <sub>2</sub> S in sale (sweet) gas (ppmv) (AUH2SOUTSW; EQUIPMNT.DBF)	Numeric (6,0)	(3)	H <sub>2</sub> S concentration in the sale (sweet) gas exiting the amine unit, parts per million by volume (ppmv), during the reporting period.

After you have provided the information about the amine sulfur recovery unit on this screen, you click on one of the following three options:

"Save changes and continue"      Clicking on this option will save the data entered in both the screens for the amine sulfur recovery unit and will open the AEIS - Confirm, Screen #10.B.7.b.

"Continue without saving changes" Clicking on this option will not save the data entered in both the screens for the amine sulfur recovery unit and will open the AEIS - Confirm, Screen #10.B.7.b.

"Previous Screen" Clicking on this option will not save the data entered in the second screen (page 2 of 2) for the amine sulfur recovery unit and will open the AEIS - Amine Sulfur Recovery Unit (page 1 of 2), Screen #10.B.7.a.i.

Once you have completed this screen and saved it, you can bypass the screen by clicking on either "Save changes and continue " or "Continue without saving changes," and the AEIS - Confirm, Screen #10.B.7.b will open.

AEIS - Confirm, Screen 10.B.7.b.

In this screen, you are asked the question "Is equipment pollutant emissions controlled or reduced?"

Clicking on "Yes" will open the AEIS - H2S Pollutant Control for Amine Sulfur Recovery Unit, Screen #10.B.7.c.

Clicking on "No" will open the AEIS - Equipment List Menu, Screen #9.

AEIS - H2S Pollutant Control for Amine Sulfur Recovery Unit, Screen #10.B.7.c.

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
MMS Complex ID (COMPLEXID; PLATFORM.DBF)	Numeric (8,0)	(1)	MMS-assigned complex identification number for the OCS platform.
MMS Structure ID (STRUCTNUM; PLATFORM.DBF)	Numeric (3,0)	(1)	MMS-assigned structure identification number for the OCS platform.
Company Structure Name (STRUCNAME; PLATFORM.DBF)	Character (30)	(1)	Name of the structure assigned by the company according to MMS records.
Start date (STARTDATE; EQUIPMNT.DBF)	Date (10)	(1)	Starting date for the reporting period as provided by MMS.
Ending date (ENDDATE; EQUIPMNT.DBF)	Date (10)	(1)	Ending date for the reporting period as provided by MMS.
Equipment ID (EQUID; EQUIPMNT.DBF)	Numeric (2,0)	(1)	Equipment identification number as provided by MMS, a sequential number.
Manufacturer (MANUFACTUR; EQUIPMNT.DBF)	Character (45)	(1)	Name of the pollutant control manufacturer for the amine sulfur recovery unit.
Model number (MODELNUM; EQUIPMNT.DBF)	Character (15)	(2)	Model number of the pollutant control for the amine sulfur recovery unit.
Type of pollutant controlled (PCTYPE; EQUIPMNT.DBF)	Character (4)	(2)	Chemical symbol of the pollutant controlled and reduced. NO <sub>x</sub> -nitrogen oxides, SO <sub>x</sub> -sulfur oxides, VOC -volatile organic compounds, THC -total hydrocarbons, H <sub>2</sub> S -hydrogen sulfide.
Name or method of	Character	(2)	Name or method of the pollutant

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
pollutant control (PCNMEMTHD; EQUIPMNT.DBF)	(80)		control used for the amine sulfur recovery unit, such as condenser, Claus unit.
Percentage pollutant removal or recovery (PCPERCENT; EQUIPMNT.DBF)	Numeric (6,3)	(2)	Removal or recovery efficiency of the pollutant control, percentages (%).
Amount of H <sub>2</sub> S entering pollutant control (lb/hr) (PCAMNTIN; EQUIPMNT.DBF)	Numeric (7,1)	(2)	Amount of H <sub>2</sub> S (amine unit uncontrolled emissions), pounds per hour (lb/hr), entering the pollutant control at the rated capacity for the amine unit.
Amount of H <sub>2</sub> S exiting pollutant control (lb/hr) (PCAMNTOUT; EQUIPMNT.DBF)	Numeric (7,1)	(2)	Amount of H <sub>2</sub> S (amine unit controlled emissions), pounds per hour (lb/hr), exiting the pollutant control at the rated capacity for the amine unit.
Method of determining efficiency (PCMETHOD; EQUIPMNT.DBF)	Character (100)	(2)	Method used for determining the removal efficiency of or the input and the output loading for the pollutant control. Example: manufacturer guarantee, stack test, or mass balance.
Number of hours run without pollutant control unit (PCHRSRUN; EQUIPMNT.DBF)	Numeric (4,0)	(3)	Number of hours the pollutant control was not operating with the amine unit operating during the reporting period. Round up the number of hours the pollutant control unit was not operating to a whole number.
Amount of sour processed without pollutant control (MMSCF) (PCAMNTPROC; EQUIPMNT.DBF)	Numeric (11,1)	(3)	Amount of sour gas processed by the amine unit, million standard cubic feet (MMSCF), during the non-operation of the pollutant control. If the sour gas is metered, report the difference between the sour gas meter values at the beginning and the end of the non-operational period. If not metered

<u>Name of Field in Screen &amp; Database</u>	<u>Field Type &amp; Size</u>	<u>Field Data Type</u>	<u>Definition or Description</u>
			or recorded, calculate the amount of sour gas process based on the amine unit average hourly load and the number of hours the pollutant control was not operating during the reporting period.

After you have provided the information about the pollutant control for the amine sulfur recovery unit, you click on one of the following two options:

- "Save changes and continue"      Clicking on this option will save the data entered and will open the AEIS - Equipment List Menu, Screen #9.
- "Continue without saving changes"      Clicking on this option will not save the data entered and will open the AEIS - Equipment List Menu, Screen #9.

Once you have completed the form and saved it, you can bypass the screen by clicking on either "Continue without saving changes" or "Save changes and continue," and the AEIS - Equipment List Menu, Screen #9 will open.

AEIS - Confirm, Screen #10.C.

In this screen, you are asked the question "Are you sure you want to delete this piece of equipment with Equipment ID No.?"

Clicking on "Yes" will open the AEIS - Equipment List Menu, Screen #9 without the deleted piece of equipment. Please make sure that the correct piece of equipment is being taken out of service because once this piece of equipment is deleted, you cannot access the piece of equipment.

Clicking on "No" will open the original AEIS - Equipment List Menu, Screen #9. The screen will include that piece of equipment you have decided not to delete.