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**METHODOLOGY FOR CODING THE ENERGY EMERGENCY
MANAGEMENT INFORMATION SYSTEM**

**J. D'ACIERNO, A. HERMELEE, C.P. FREDRICKSON,
AND K. VAN VALKENBURG**

November 1979

**TECHNOLOGY ASSESSMENT GROUP
DEPARTMENT OF ENERGY AND ENVIRONMENT**

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ABSTRACT

This report presents the coding methodology for creating facility ID's and energy codes from information existing in EIA data systems currently being mapped into the EEMIS data structure. A comprehensive approach is taken to facilitate implementation of EEMIS. A summary of EIA data sources which will be a part of the final system is presented in a table which shows the intersection of 19 EIA data systems with the EEMIS data structure. The methodology for establishing ID codes for EIA sources and the corresponding EEMIS facilities in this table is presented. Detailed energy code translations from EIA source systems to the EEMIS energy codes are provided in order to clarify the transfer of energy data from many EIA systems which use different coding schemes.

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I. INTRODUCTION AND SUMMARY

The focus of this report is a presentation of coding methodology for creating facility ID's from information which exists in the EIA data systems currently being mapped into the EEMIS data structure. A comprehensive approach was taken so that this report can be used as a guide for future progress towards implementation of EEMIS.

The 19 EIA data systems which will be the source for EEMIS data are listed in Table 1. The intersection of data from each of these systems with the EEMIS data structure is shown in Table 2. This table is a summary of the EIA data sources which will make up the final system based on progress to date and work planned for the future.

Table 1
EIA Data Systems Included in EEMIS Mapping

1. Joint Petroleum Reporting System (JPRS)
 2. Oil Imports
 3. API System
 4. Crude Oil First Purchaser
 5. Capacity of Petroleum Refineries
 6. Secretary's Weekly Energy Activity Reporting System (SWEARS)
 7. Petroleum Imports Tracking System (PITS)
 8. Tanker & Barge Movements in PAD III
 9. Underground Gas Storage System
 10. Supply and Disposition of Natural Gas
 11. Natural Gas Curtailment System
 12. Natural Gas Liquids Processing Plant Operations
 13. Winter Energy Emergency System
 14. Subpart L System
 15. Monthly Report of Cost and Quality of Fuels for Electric Plants
 16. Transfer Pricing System
 17. Cost and Pricing
 18. Crude Oil Entitlements
 19. Annual Survey of Oil & Gas Reserves
-

Table 2
EIA Systems Mapped into the EEMIS Data Structure

EEMIS Facility	Level of Aggregation			
	Facility	State	Regional	National
Petroleum Sector				
Domestic Crude Oil Production Facility	Annual Survey of Oil & Gas Reserves*	Crude Oil First Purchaser		API
Crude Oil Bulk Terminal		JPRS		
Strategic Petroleum Reserve	Oil Imports			
Oil Refinery	JPRS, Oil Imports, SWEARS, Capacity of Pet. Ref.	JPRS	API	Cost & Pricing, Crude Oil Entitlements, API
Oil Product Bulk Terminal		JPRS	SWEARS	
Natural Gas Sector				
Natural Gas Production	Annual Survey of Oil and Gas Reserves*	Supply and Disposition of Natural Gas		
Gas Processing Plant	NGL Operations Report	NGL Processing Plant Operations		
LNG Terminal	PITS			
Underground Storage				Underground Gas Storage
Supplemental Fuel Storage Facility				
Transmission and Distribution Facility	Curtailments, Winter Energy Emergency System			
Demand Facility	Subpart L, Curtailments, Winter Energy Emergency System			
Large End-Use Consumers	Oil Imports,* Cost & Quality of Fuels,* Curtailments*			
Import/Export Sector				
Foreign Country				Oil Imports, PITS, SWEARS, Transfer Pricing
Transportation Network				
Transportation Links	Oil Imports, JPRS	Tanker & Barge Move	JPRS, SWEARS	JPRS
Transportation Junction Facility	Oil Imports, PITS, Transfer Pricing			

*These systems should be given lowest priority during the coding task.

The methodology for establishing ID codes for every facility listed in Table 2 which has a corresponding source system is presented for the Petroleum, Natural Gas, Demand, and Import/Export Sectors in Sections II through V, and for the Transportation Network in Section VI. In general, the coding methodology described by Kydes et al.* was used. For each ID, the applicable source codes or other information which must be transferred from the EIA systems into the ID are specified. Listings of the actual refinery facility ID codes and a portion of the natural gas processing plant facility ID codes are presented in Appendix C. In addition a complete code listing for SPR facility ID's is given in Section II.C.

The energy codes for foreign crude oil types and oil product types are listed in Appendix A. All the energy code translation tables which will be needed to convert codes from EIA data collection forms into energy codes are presented in Appendix B.

Some of the data systems shown in Table 2 are marked with an asterisk(*) to denote the systems which should be given lowest priority during the coding task. The Annual Survey of Oil and Gas Reserves has a low priority because of the extensive effort required to convert company ID codes on the system into EEMIS facility identifiers. State level crude oil and natural gas production facility data will suffice in the interim. Large end-use consumer coding will require integration of three independent coding schemes for the different source systems, a time-consuming effort. In lieu of large end-use data, demand facility information will be used without a significant sacrifice of data.

II. PETROLEUM SECTOR

A. Domestic Crude Oil Production Facility

1. Facility Level

Domestic crude region ID - Data from the Annual Survey of Domestic Oil and Gas Reserves System (EIA 23) will be used in the facility level crude oil production facility. The ID for a typical facility is shown below. The first five characters are the same for all facilities. The Postal State Code (7-8) is derived from the 2-digit State and Geographic Subdivision code on EIA 23. (Region code (6) is derived from state code.) A 6-digit facility identifier (12-17) represents the company ID (below). The crude region ID code will consist of three characters to ensure uniqueness of domestic crude regions.

*EEMIS Data Sector Correspondence with the Conceptual Database Design, BNL-26423.

Company ID - Operator company codes for EIA 23 are assigned on a random basis to the 3100 reporting companies responding on the system. This 6-digit company code must be converted into an EEMIS company ID code to establish a complete facility definition (i.e., facility = domestic crude production region and company). The 6-digit facility identifier (12-17) will assure uniqueness among facility ID's.

The conversion task from source company codes to EEMIS company codes will be a time-consuming (one-time) effort. Before this is performed a comprehensive company ID code system must be established. It is suggested that the conversion be assigned a low priority since state level data on domestic crude oil production will be available in the interim.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
P/D C/F/U/"R"/"S T"/"R E G"/"I D E N T I F I E R"

P - Petroleum sector
DC - Domestic crude oil production facility
F - Facility level
U - Domestic crude region
"R" - PAD code
"ST" - State postal code
"REG" - Domestic crude region code
"IDENTIFIER" - Facility identifier, 6-digit company code.

The Natural Gas Production Facility ID is derived in a similar manner. The layout of this ID is:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
N/P R/F/U/"R"/"S T"/"R E G"/"I D E N T I F I E R"

N - Natural gas sector
PR - Production facility.

2. State Level

Domestic Crude Oil First Purchaser System data will be mapped into the state level domestic crude oil production facility. State level facility ID's are constructed in a manner similar to that of the facility level. Less detail is needed to code the state level facilities because crude region identifiers are not needed; therefore, the last 6 characters are blanks. Two-character state codes are reported in Schedule C, form FEA-P124, column G3 (STE). These codes must be converted into the postal state codes used in the facility ID.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
P/D C/S/S/"R"/"S T"/b b b b b b b b

S - State facility (4) and geographic (5) levels.

3. Regional Level - No Mapping

4. National Level

The API reports weekly production estimates for the entire U.S. but, to date, it is unclear whether these data are stored on EIA data bases. If available, the data will be mapped into the national level domestic crude oil production facility.

The national level facility is coded as follows:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
P/D	C/N/N/b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b

N - National facility (4) and geographic (5) levels.

B. Crude Oil Bulk Terminal

1. State Level

JPRS provides data which will be mapped into the state level crude oil bulk terminal facility. The postal state code (7-8) is derived from the 3-digit state code from the source form (EIA-90 or FEA P320). Data are coded by state directly on the system record layout.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
P/C	T/S/S/R/"S	T"/b	b	b	b	b	b	b	b	b	b	b	b	b	b	b

P - Petroleum sector
CT - Crude oil bulk terminal
S - State facility (4) and geographic (5) level

2. Facility, Regional, and National Levels - No Mapping

C. Strategic Petroleum Reserve (SPR) Facility

1. Facility Level

The Oil Imports System contains data on the input of foreign crude oil to SPR facilities. When the type field, column g of schedule B (ERA 60), indicates "plant" and the EIN number is 13903310, the data apply to a SPR facility. (In other cases it is applicable to refinery and large end-user facilities.) The specific facility is identified by the 6-digit location code* in column j. Mary Ellen Condon (202-254-3364) can identify the unique location codes for the three SPR facilities which are currently receiving crude oil. The postal state code (7-8) is derived from the location code. A 6-character facility identifier (12-17) is recommended for identification of each SPR site as an EEMIS facility. These are shown below as a portion of each of the seven SPR facility ID's.

*Master list of codes and corresponding locations is in World Wide Geographic Location Codes, GSA Manual No. 022-000-00130-2 (also on tape).

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
P/S R/F/C/"R"/"S T"/"C T Y"/"I D E N T I F I E R"

P - Petroleum sector
SR - Strategic petroleum reserve facility
F - Facility level
C - County geographic level
"R" - Region code
"ST" - Postal state code
"CTY" - FIPS county code
"IDENTIFIER" - Facility identifiers

1	2	3	4	5	6	7	8	9*	10*	11*	12	13	14	15	16	17	SPR Facility
P	S	R	F	C	3	T	X	1	2	3	B	R	Y	A	N	M	Bryan Mound, TX
P	S	R	F	C	3	L	A	1	2	3	W	E	S	T	H	A	West Hackberry, LA
P	S	R	F	C	3	L	A	1	2	3	B	A	Y	O	U	C	Bayou Choctau, LA
P	S	R	F	C	3	L	A	1	2	3	S	U	L	P	H	U	Sulphur Mines, LA
P	S	R	F	C	3	L	A	1	2	3	W	E	E	K	S	I	Weeks Island, LA
P	S	R	F	C	3	L	A	1	2	3	S	T	J	A	M	E	St. James, LA
P	S	R	F	C	2	O	H	1	2	3	I	R	O	N	T	O	Ironton, OH

*NOTE: County codes are not specified in these ID's.

2. State, Regional, and National Levels - No Mapping

D. Oil Refinery

1. Facility Level

There are approximately 300 oil refineries currently operating in the United States. Four EIA data systems contain information which is pertinent to the EEMIS facility level refinery. Three of the systems, JPRS (EIA 87), SWEARS (EIA 161), and Capacity of Petroleum Refineries (BOM6-1334) identify each refinery by a common 6-digit code.* The first three digits of this code are used to identify the operating company name, the fourth digit is used to determine if the company is a parent or subsidiary company, and the last two digits identify each specific refinery. The Oil Imports System (ERA 60, Schedule B) uses two separate codes to identify refineries. These are (1) a 3-digit company code, column h, and (2) a 6-digit location code.** A computer

*The Establishment File contains a listing of the refineries which are currently responding on EIA 87.

**See SPR facility for a reference for location codes.

program is available which converts the two codes from the Oil Imports System into the appropriate 6-digit code used by the other three EIA systems. Terry Sutton (202-634-1039) may be able to supply this computer program.*

The 6-digit refinery code will be used as the facility identifier portion of the refinery facility ID. State and county codes have been derived from the 6-digit identifier code. The refineries current reporting on EIA 87 have been coded (Appendix B) from a recent listing of the Establishment File using this methodology.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
P/R E/F/C/"R"/"S T"/"C T Y"/"I D E N T I F I E R"

P - Petroleum sector
RE - Refinery facility
F - Facility level
C - County geographic level
"R" - Region code
"ST" - Postal state code
"CTY" - FIPS county code
"IDENTIFIER" - Facility identifier

2. State Level

Form EIA 90 (FEA P323) of JPRS provides data which will be used in the state level refinery facility. The postal state code (7-8) is derived from the 2-digit state code used on EIA 90. The first five characters of the facility ID's below are the same for all state facilities.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
P/R E/S/S/"R"/"S T"/b b b b b b

P - Petroleum sector
RE - Refinery facility
S - State facility (4) and geographic (5) level
"R" - Region code
"ST" - Postal state code

3. Regional Level

The API system is based upon API's Weekly Statistical Bulletin which contains data pertinent to the regional level facility. At this time, record layouts for the API data stored on the EIA computer are not available, and therefore the ID is coded directly from the Bulletin. Page 1 of the Bulletin provides input and capacity information and page 2 provides output data. The information on pages 1 and 2 is organized by the PAD District code which corresponds to position 6 of the ID below.

*Personal communication, Susan Harris (202-634-1080), 9-11-79.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
P/R E/R/R/"R"/b b b b b b b b b

4. National Level

Two EIA systems gather refinery company data which are pertinent to the national level refinery. These systems are Cost and Pricing (FEA P302) and Crude Oil Entitlements (ERA 49). The API system also provides data at the national level. Page 4 of the API Bulletin provides foreign crude inputs to the national level refinery. It is not necessary to obtain coding information from these sources, and all will be used for the single facility ID.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
P R E N N b b b b b b b b b b

E. Oil Product Bulk Terminal

1. Facility Level - Not Mapped

2. State Level

Form EIA 88 (FEA P321) of JPRS provides state level oil product bulk terminal data which will be used in the state level facility. EIA 88 codes stocks by state directly on the record layout. This code is the only piece of information needed to code the ID.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
P/P T/S/S/"R"/"S T"/b b b b b b b b

P - Petroleum sector
PT - Oil product bulk terminal facility
S - State facility (4) and geographic (5) level
"R" - Region code
"ST" - Postal state code

3. Regional Level

SWEARS contains stock data which will be used in the regional level facility. In lieu of a record layout for the system, the form layout may be used to establish the appropriate facility ID codes. Stock data on form EIA-162 are organized by a refining district code, the first digit of which corresponds to the PAD district code which appears in position 6 of the ID:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
P/P T/R/R/"R"/b b b b b b b b b

4. National Level

The Cost and Pricing system contains data which will be used in the national level facility. No codes from this source are needed since a single ID is used:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
P/P	T/N/N/b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b

III. NATURAL GAS SECTOR

A. Natural Gas Production

1. Facility Level

Data from the Annual Survey of Oil and Gas Reserves are mapped into Natural Gas Production at the facility level. The 17-digit facility ID will take the following form:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
N/	P	R/F/G/"R"/	"S	T"/b	b	b	b/"I	D	E	N	T	I	F	I	E	R"

N - Natural gas sector

PR - Natural gas production

F - Facility level of aggregation

G - Geographic level - natural gas production region

"R" - Region code

"ST" - State code

"IDENTIFIER" - Natural gas production region code

Refer to the Domestic Crude Oil Production facility description for additional details on the natural gas production region code.

2. State Level

Data from the Supply and Disposition of Natural Gas (BOM 6-1341-A) are mapped into natural gas production at the state level of aggregation. The 17-digit facility ID takes the following form:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
N/P	R/S/S/"R"/	"S	T"/b	b	b	b/	b	b	b	b	b	b	b	b	b	b

N - Natural gas sector
PR - Natural gas production
S - State level of aggregation
S - State geographic level
"R" - Region code
"ST" - State code

The state code is contained on the record layout for the system.

3. Regional and National Levels - No Mapping

B. Gas Processing Plant

1. Facility Level

Data from the Natural Gas Liquids Processing Plant Operations Data System (Form BOM-6-1305-M and EIA-64) are mapped into Gas Processing Plants at the facility level of aggregation. Forms BOM-6-1305-M/1343-A were replaced by EIA-64 as of January 1979. At the facility level of aggregation each processing plant is represented by a separate facility. A listing of each gas processing plant to be entered into EEMIS and its location is contained in Appendix B. The 17-digit facility ID takes the following form:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
N/P P/F/S/"R"/"S T"/b b b/"I D E N T I F I E R"

N - Natural gas sector
PP - Gas processing plant
F - Facility level of aggregation
S - State geographic level
"R" - Region code
"ST" - State code
"IDENTIFIER" - Facility identifier

The 6-digit DOE identification number appearing on EIA-64 and BOM-6-1305-M is mapped directly into the EEMIS 6-digit facility identifier. The product codes on both EIA-64 and BOM-6-1305-M are the same and are mapped into the EEMIS energy hierarchy in Appendix A.

2. State Level

Data from the Natural Gas Processing Plant Operations Data System (Form BOM-6-1343-A) are mapped into Gas Processing Plants at the state level of aggregation. At the state level of aggregation all processing plants in a state are represented by one facility. Forms BOM-6-1343-A/1305-M were replaced by EIA-64, which contains facility level data, as of January 1979. Thus data for a state level gas processing plant will be entered into EEMIS through December 1978, after which only facility level data will be entered. The facility for gas processing plants at the state level of aggregation has the following 17-digit facility ID.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
N/P P/S/S/"R"/"S T"/b b b/ b b b b b

N - Natural gas sector
PP - Gas processing plant
S - State level of aggregation
S - State geographic level
"R" - Region code
"ST" - State code

3. Regional Level - No Mapping

4. National Level

Data from the Cost and Pricing Data System are mapped into Gas Processing plants at the national level of aggregation. At the national level of aggregation all processing plants in the U.S. are represented by one facility. The product codes in the Cost and Pricing Data System are mapped into the EEMIS energy hierarchy in Appendix A. The facility for gas processing plants at the national level of aggregation has the following 17-digit facility ID.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
N/P P/N/N/b/b b/b b b/ b b b b b b

N - Natural gas sector
PP - Gas processing plant
N - National level of aggregation
N - National geographic level

C. LNG Terminal

1. Facility Level

Data from the Petroleum Imports Tracking System (PITS) are mapped into LNG Terminals at the facility level. Four LNG terminals are defined in the EEMIS structure. The locations of these LNG terminals and their port code representations in PITS are as follows:

<u>Location</u>	<u>Port Code</u>
Cove Point, MD	1303
Elba Island, GA	1703
Everett, MA	0401
Lake Charles, LA	2105

The 17-digit facility ID for each LNG terminal takes the following form:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
N/L G/F/S/"R"/M D/b b b/ 1 3 0 3 b b

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
N/L G/F/S/"R"/G A/b b b/ 1 7 0 3 b b

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
N/L G/F/S/"R"/M A/b b b/ 0 4 0 1 b b

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
N/L G/F/S/"R"/L A/b b b/ 2 1 0 5 b b

N - Natural gas sector
LG - LNG terminal
F - Facility level of aggregation
S - State geographic code
"R" - Region code

MD, GA, MA, LA - State code

1303, 1703, 0401, 2105 - Facility identifier corresponding to port code

The product code (G = Gas) on the PITS record layout should be checked to ensure that LNG is being imported and not petroleum.

2. State, Regional, and National Levels - No Mapping

D. Underground Gas Storage

1. Facility, State, and Regional Levels - No Mapping

2. National Level

Data from the Underground Gas Storage Data System (FEA G-318-M-0 and FPC 8) are mapped into underground storage facilities at the national level. The 17-digit facility ID takes the following form:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
N/U S/N/N/b/b b/b b b/ b b b b b

- N - Natural gas sector
- US - Underground storage
- N - National level of aggregation
- N - National geographic level

E. Supplemental Fuel Storage - No Mapping

F. Transmission and Distribution

1. Facility Level

Data from the Natural Gas Curtailments (EIA-50) and the Winter Energy Emergency Data Systems (EIA-82) are mapped into Natural Gas Transmission and Distribution (T&D) at the facility level. Each T&D company represents a separate facility in the structure. Intrastate gas pipeline companies submit one EIA-50 form for the state they operate in. Interstate gas pipeline companies submit one or more EIA-50 forms with separate state data sheets for each state they operate in. State level data appearing on these forms must be aggregated over all states served by an interstate pipeline company to obtain facility level data.

Both the Curtailment and the Winter Energy Emergency Systems use the same 5-digit DOE control number. The first two digits of the control number identify either the state of the company's home office or the state the company is delivering gas to. Thus, a company may not have a unique control number if it delivers gas to more than one state. The third digit of the DOE control number is an "8" if the company operates interstate and is another digit if it is an intrastate company. The last two digits of the DOE control number may not be unique for a company's entire operation if it submits more than one EIA-50 form. Using the EIA-50 establishment file, these EIA control number(s) must be matched to a unique EEMIS facility identifier for each T&D company. No software package currently exists to perform this task automatically (according to June Wolfrey - Office of Energy Data, EIA), but a copy of the establishment file has been obtained and the development of a set of unique facility identifiers has been initiated.

The 17-digit facility ID for T&D facilities takes the following form for intrastate pipeline companies:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
N/T	D/F/S/"R"/	"S	T"/b	b	b/"S	T"	_	_	_	_	_	_	_	_	_	b

and for interstate pipeline companies:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
N/T	D/F/N/b/b	b/b	b	b/	_	_	8	_	_	_	_	_	_	_	_	b

N - Natural gas sector
 TD - Transmission and distribution
 F - Facility level of aggregation
 S,N - State, national geographic level
 "R" - Region code
 "ST" - State code
 "ST" _ _ _ b - Intrastate pipeline facility identifier (DOE control number)
 _ _ 8 _ _ b - Interstate pipeline facility identifier (first two blanks
 indicate state of home office, following blanks are a unique
 identifier)

2. State, Regional, and National Levels - No Mapping

IV. DEMAND SECTOR

A. Demand Facility

1. Facility Level

The structure defines separate demand facilities for each state and demand function. The demand functions and their representations in EEMIS are as follows:

<u>Demand Function</u>	<u>EEMIS Representation</u>
Residential	RE
Commercial	CO
Industrial	IN
Transportation	TR
Electric Utilit	UT
All Functions	LL

Data from Subpart L (EIA-25), Natural Gas Curtailments (EIA-50), and the Winter Energy Emergency System (EIA-82) are all mapped into the demand facility. The 1/-digit facility ID for demand facilities takes the following form:

```

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
D/D F/F/D/"R"/"S T"/b b b/ R E "S T" b b
D/D F/F/D/"R"/"S T"/b b b/ C O "S T" b b
D/D F/F/D/"R"/"S T"/b b b/ I N "S T" b b
D/D F/F/D/"R"/"S T"/b b b/ T R "S T" b b
D/D F/F/D/"R"/"S T"/b b b/ U T "S T" b b
D/D F/F/D/"R"/"S T"/b b b b/L L "S T" b b
  
```

D - Demand sector
 DF - Demand facility
 F - Facility level of aggregation
 D - Geographic level - demand sector area
 "R" - Region code
 "ST" - State code

RE"ST", CO"ST", IN"ST", TR"ST", UT"ST", and LL"ST" are the 4-character facility identifiers associated with each demand function in a state. There are 300 demand facilities in the structure (50 states x 6 demand functions).

Petroleum product data from Subpart L is mapped into the Electric Utility, Transportation, and All Functions Demand Facilities according to the following methodology:

<u>Subpart L Petroleum Product Code</u>	<u>EEMIS Demand Function</u>
200	Transportation
220	Transportation
410	Transportation
420	Transportation
430	Transportation
510	Electric utility
520	Electric utility
110	All functions
200	All functions
220	All functions
310	All functions
320	All functions
330	All functions
410	All functions
420	All functions
430	All functions
510	All functions
520	All functions
530	All functions
540	All functions
550	All functions
560	All functions
570	All functions
940	All functions

Data for natural gas from the Natural Gas Curtailments and Winter Energy Emergency Data Systems are mapped into the EEMIS Residential, Commercial, Industrial, Electric Utility, and All Functions Demand Facilities. The "Other" category specified on EIA-50 and EIA-82 is mapped into the EEMIS Commercial Demand Facility. Companies report deliveries of natural gas by state on EIA-50 and EIA-82. Thus, data from all companies delivering natural gas to a given

state must be aggregated to arrive at total inputs to a state or demand facility. The first 2 digits of the 5-digit DOE control number assigned to each company contain either the state of the company's home office or the state where gas is delivered. Since there is no consistency in these control numbers, it will be necessary to access the state ID contained in the record layout to aggregate company data by state.

2. State, Regional, and National Levels - No Mapping

B. Large End-Use Consumer

1. Facility Level

Data from the Oil Imports (ERA-60), Cost and Quality of Fuels (FPC-423), and Natural Gas Curtailments (EIA-50) Data Systems are all mapped into the Large End-Use Consumer Facility. Each plant specified in these systems represents a separate facility in the structure.

Natural gas data are obtained from Schedule 1 of the Curtailment System. The utilities assign an ID number to each meter from which a customer is receiving natural gas. Some utilities assign a common number to all meters owned by an individual customer, and some do not. Also, a utility may file more than one schedule for an individual customer depending upon the Customer Identification Data in Schedule 1. A tape containing the name and address of each customer and associated ID number must be used to identify the customers with more than one ID number. These data must then be aggregated such that all data associated with a given customer be treated as a separate facility in the structure.

The following codes used in Schedule 1 of the Curtailments System are required for mapping into the EEMIS structure:

EEMIS Large End-Use Consumer Demand Sector

EIA-50 Code

Commercial
Electric Utility
Industrial

C, O, S, H
E
I

Customer ID Number

1 2 3 4

--	--	--	--

4-digit number unique to a gas meter. May or may not be unique for a customer.

Alternate Fuel Codes
(from Appendix C of EIA-50)

Description	Alternate Fuel Code	EEMIS Energy Hierarchy Description
No. 1 & 2 oil	02	Heating oil
No. 4 oil	04	No. 4 fuel oil
No. 5 & 6, Bunker C and other residuals oils	06	Residual fuel oil (Group)
Propane	10	Propane
LNG	11	LNG
SNG	13	Petrochemical feedstocks
Coal	22	Coal
Lignite	23	Coal
Electricity	25	Electricity
Other	35	Other
No alternate fuel is required due to economic conditions, energy conservation, weather, etc.	30	Other
Emergency natural gas purchases by the end-use customers authorized under FERC Order No. 533	33	Methane
Emergency natural gas purchases by the end-use customer other than FERC Order No. 533	34	Methane
No alternate capability exists for some or all of the reported curtailment	40	Other
Undecided as to alternate fuel	50	Other

The above table maps the EIA-50 alternate fuel codes into the fuel types defined in the EEMIS energy hierarchy. The EEMIS energy hierarchy for coal, electricity, and other shown below is used only for the purpose of defining alternate fuels. The supply and demand for these fuels is not accounted for in the interim EEMIS structure.

Coal Energy Hierarchy	
Sector	Coal
Category	Coal
Group	Coal
Type	Coal
Electricity Energy Hierarchy	
Sector	Electricity
Category	Electricity
Group	Electricity
Type	Electricity
Other Energy Hierarchy	
Sector	Other
Category	Other
Group	Other
Type	Other

Fuels used by electric utilities are accounted for in the Monthly Report of Cost and Quality of Fuels for Electric Plants. Data for oil only will be mapped in the Large End-Use Consumer Facility from this system, since natural gas data are being obtained from the Curtailments System, and data for coal are not incorporated in the interim structure.

The following codes used in the Cost and Quality of Fuels are required for mapping into the EEMIS structure.

<u>EEMIS Energy Hierarchy Representation</u>	<u>EIA Code</u>
Purchase type (generic fuel type)	2 = oil
Heating oil	FO2
#4 fuel oil	FO4
#5 & #6 fuel oil	FO5
#5 & #6 fuel oil	FO6
Crude oil (category)	CRU
Other (in residual fuel oil group)	TOP
Kerosene	KER
Jet fuel (group)	JF
Light products (group)	LPG
Other (in other group)	MTH

Each power plant owned by an electric utility is identified by a plant code and a utility code. These codes are mapped into the utility and plant name in the "Cordant File" (Sue Rhodes - EIA - Division of Regulatory Systems Development, Maintenance).

Imported crude oil used by chemical plants for feedstock is accounted for in Schedule B of the Oil Imports Data System. Processing company type (field g) indicates whether the crude oil is being used as a feedstock to a chemical plant, input to the Strategic Petroleum Reserve, or input to a refinery. If the crude is not input to a refinery and the type code is not equal to 13903310 (SPR use), then the crude oil is being used as feedstock to a chemical plant and is accounted for in the Large End-Use Consumer Facility. The universe of large end-use consumer facilities from ERA 60 consists of all the company - location pairs for the system. A listing of company code (h) and location code (j) pairs for Schedule B are required to initialize this universe.

Unfinished oils used for feedstock by refineries, chemical plants and other processors are accounted for in Schedule C of ERA 60. Since refinery inputs of unfinished oils are covered by JPRS, these data must not be mapped into large end-use consumer facilities. Each unique pair of company code (col. j) and location code (col. l) for all processors other than refineries defines a separate facility.

The 11-digit facility ID for Large End-Use Consumers will take the following form:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17						
D/L	C	F	S	/	"R"	/	"S	T"	/	b	b	/	"I	D	E	N	T	I	F	I	E	R"

D - Demand

LC - Large end-use consumer

F - Facility

S - State geographic level

"R" - Region code

"ST" - State code

"IDENTIFIER" - Facility identifier

The Oil Imports, Cost and Quality of Fuels, and Natural Gas Curtailments Data Systems employ different coding schemes and it is likely that the same facilities are within the universe of more than one of these systems. Therefore, additional work is necessary to develop a unique set of large end-use customer identifiers for all locations and companies in the three data systems.

The facility identifier must be a code to identify every unique pair of company and location within a given state. Since "state" is already included in the ID (Positions 7-8), the identifier can be a code for the city in which the facility is located plus a separate code to denote each company that operates a separate facility in the city. If the identifier is limited to a

size of four positions the only possible coding scheme is a 2-character location code followed by a 2-character company code. This would limit identifiers for a given state to 676 cities (26 x 26) and 676 companies in each city. The first step in the coding task will be to compile a list of all the city-company pairs in a given state from Curtailments, Oil Imports, and Cost and Quality of Fuels for Electric Plants. The cities will then be assigned unique 3-character codes (unique only in each state) and the companies which operate plants in a given city will be assigned unique 3-character codes. It will not be possible to use a universal company code because there are more than 676 companies with facilities in the U.S.

2. State, Regional, and National Levels - No Mapping

V. IMPORT/EXPORT SECTOR

A. Foreign Country

1. Facility, State, and Regional Levels - Not Mapped

2. National Level

Four EIA systems and the API system will be mapped into national level facilities. It is only necessary to convert country codes from these sources into the EEMIS geographic descriptor portion of the facility ID. The first six letters in the country name are used to code this descriptor.

Coding Systems for Foreign Country:

Oil Imports System - 3-digit numeric code*

PITS - 7-character code

SWEARS - 3-digit numeric code*

Transfer/Pricing System - 3-digit numeric code*

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				
X	/	F	C	/	N	/	F	/	"	D	E	S	C	R	I	P	T	O	R	"
											b	b	b	b	b	b				

X - Import/Export sector

FC - Foreign country facility

N - National level

F - Foreign country geographic code

"DESCRIPTOR" - Geographic descriptor

*See ERA 51 instructions for country codes.

VI. TRANSPORTATION NETWORK

A. Transportation Links

1. Facility Level

The Oil Imports System provides data describing the monthly volume of foreign crude oil (Schedule B, ERA-60) imported from each country to U.S. refineries, processing plants (i.e., chemical plants), and SPR sites and the volume of unfinished oils (Schedule C) imported to refineries and processing plants. In addition, the port city where this crude enters the U.S. is described. Sufficient detail is provided to define two types of transportation links; one type consists of the links between foreign countries and U.S. port cities and the other consists of the links between U.S. port cities and refineries, SPR sites, and processing plants. Port cities which are specified in the system must be incorporated as nodes in the transportation network in order to capture these links. Transportation junction facilities will be created to accommodate port cities as nodes. (Alternatively, pseudo bulk terminals could be used since a port city may actually consist of more than one bulk terminal.) Since Schedules K and T of ERA-60 do not specify more than one link, these schedules are not mapped into the transportation network.

Methodology for coding link ID's from the Oil Imports System is described in the next paragraphs. After all the links' ID's are coded they will be entered elsewhere in the data structure to define input routes for refinery, SPR, and large consumer facilities, and to define output routes for foreign country facilities. Listings of transportation links available for inputs and outputs for each junction facility must also be entered.

The following are descriptions of the seven subfields which compose a link and the methodology for coding each subfield from the Oil Imports System.

Link Mode - Since mode of transportation is not specified on the source the mode will be multimodal (M).

Link Level - Insufficient detail is provided to fully describe a physical link; therefore, the level will be aggregate (megalink - A).

Input Facility Type - There can be two such facilities, depending on which type of link is coded (see below).

Output Facility Type - There can be three such facilities depending upon which type of link is coded (see below).

Input Facility			
Type of Link	Input Facility Type	Representation	Source Field (ERA 60, Sched. B)
Between Country and Junction	Foreign Country	XFCN	Col. e - country code
Between Trans- portation Junction and Refinery, SPR & Large User	Transportation Junction	TJNF	Col. c - port code
	Output Facility Type	Output Facility Representation	Source Field
Between Country and Junction	Transportation Junction	TJNF	Col. c - port code
Between Trans- portation Junction and Refinery, SPR & Large User	Refinery	PREF	Col. g (type) = refinery
	Strategic Petroleum Reserve	PSRF	Col. g (type) = plant and col. h (Co. code) = 13903310
	Industrial	DLCF	Col. g (type) = plant and col. h = 13903310

Link Energy Form - The system only covers foreign crude oil, and, therefore, energy form will be the foreign crude group (GPCF).

Geographic Code - As a matter of convention the code which best describes the input facility will be used (below).

Input Facility Type	Level	Geographic Code Description	Source Field
Foreign Country	F	First six characters in the country name	Col. e - country code
Transportation Junction	C	Region code, postal state code, and county code	Col. c - port code

Two conversions will be necessary to form geographic codes:

- (1) Convert 3-digit country code (same as the country codes listed in form ERA-51 instructions) into the first six characters in country name.
- (2) Convert 4-digit port codes (U.S. Customs Codes - See ERA-51 instructions) into region code, postal code, and 3-digit county codes.

Link Identifier - To ensure uniqueness among facility level links, the link identifier will consist of the facility identifiers for the output facilities. These are needed for refinery, SPR, and large end-use consumer facilities. Refinery and SPR facility identifiers are presented in Appendix B, but further work is needed to code the identifiers for large end-use consumer facilities.

Examples of facility level transportation links are as follows:

A. Link between Saudia Arabia and New Orleans, LA

	5		10		15		20		28													
M	A/X	F	C	N	T	J	N	F/G	P	C	F/F	S	A	U	D	I	A/C	3	L	A	O	7
	input/output				energy				geographic				identifier									
	facility types				form				code													

B. Link between New Orleans LA and the Bryan Mound SPR facility

	5		10		15		20		28														
M	A/T	J	N	F	P	S	R	F/G	P	C	F/C	3	L	A	O	7	1/B	R	Y	A	N	M	b
	input/output				energy				geographic				identifier										
	facility types				form				code														

JPRS data indicate the last significant modes of transportation on which domestic and foreign crude oil moved to each refinery, reported on form FEA-P320 (EIA 87). Facility level transportation links will be needed in order to capture this information. The seven subfields are coded from JPRS as follows:

Link Mode - These are coded directly from Section D of FEA-P320.

JPRS Code	Representation
1	P
2	K
3	B
4	R
5	T

Link Level - Since insufficient detail is provided to describe a physical link, the level will be aggregate (megalink - A).

Input Facility Type - The type is not specified; it will be represented by all functions in the facility level petroleum sector (PLLF).

Output Facility Type - The type will be the facility level oil refinery (PREF).

Link Energy Form - The sum of intrastate and interstate quantities reported in section D apply to domestic crude oil (GPCD). Foreign crude is represented by "GPCF."

Geographic Code - The convention is to use the code which best describes the input facility type. Since these are not defined the code will not be used.

Link Identifier - The facility identifier for the refinery will be employed.

An example of the link ID which represents the quantity of foreign crude oil shipped by tanker to the Amoco Oil Co. refinery in Baltimore is as follows:

5	10	15	20	28
T A/	P L L F P R E F/	G P C F/	b b b b b b b/	8 1 3 1 0 5 b

2. State Level

The Tanker and Barge Shipments in PAD III System contains information pertinent to the state level transportation network. To capture this information, it will be necessary to code ID's which represent links between two states.

Link Mode - To accommodate the aggregate mode, tanker/barge, with more detail than the term multimodal (M), the representation "W" will be used to signify water transport.

Link Level - The links are at the aggregate level (A).

Input Facility Type and Output Facility Type - The two facilities are represented by the type, PLLS, constructed from the three subfields:

(1) sector	petroleum	P
(2) function	all functions	LL
(3) level	state	S

Link Energy Form - Both crude oil and oil products are transported on the links, therefore the petroleum sector (SPbb) is the accurate form.

Geographic Code - The code for the input state will be used. An example is "S3TXbbb." The source field for the state code is the 3-digit code on form BOM 6-1308.

Link Identifier - The geographic code for the output state will be used.

An example of state level transportation links is the link between Texas and Massachusetts:

5	10	15	20	28
W A/P L L S P L L S/S P b b/S 3 T X b b b/S 1 M A b b b				
input/output	energy	geographic	identifier	
facility type	form	code		

3. Regional Level

The Pipeline Products Report of JPRS (Form EIA 89 or FEA P322) and SWEARS contain information which describe links between regions of the U.S.

Pipeline Products Report (JPRS)

Link Mode - Pipeline (P)
Link Level - Aggregate (A)
Input/Output Facility Types - A common type is applicable, PLLR
Link Energy Form - Oil Product Category (CPPb)
Geographic Code - Code for the input region (i.e., R3bbbbbb)
Link Identifier - Code for the output region (i.e., R1bbbb)

The source for region codes originates from the PAD District numbers which appear in Section B of EIA 89.

An example of the regional level transportation link is the link between PAD3 and PAD2:

5	10	15	20	28
P A/P L L R P L L R/C P P b/R 3 b b b b b/R 2 b b b b b				
input/output	energy	geographic	identifier	
facility type	form	code		

SWEARS (EIA-163)

The only transportation network information captured from SWEARS is the stocks of finished petroleum products in pipelines and associated tank farms within each PAD District. The input and output facilities will be one and the same in this unique circumstance.

Link Mode - Pipeline (P)
Link Level - Aggregate (A)
Input/Output Facility Types - PLLR
Link Energy Form - Oil Product Category (CPPb)
Geographic Code and Link Identifier - Code for the Region (i.e., R3hhhhh)

The source for region codes originates from BOM Refining District Codes on form EIA-163. The first digit of this code is the PAD District number.

An example of the regional level transportation link for stocks stored in PAD2 is:

	5	10	15	20	28
P A/P L L R P L L R/C P P b/R 3 b b b b b/R 3 b b b b b					
input/output	energy	geographic	identifier		
facility type	form	code			

4. National Level

The Pipeline Products Report of JPRS (Form EIA 89 or FEA P322) contains flow and stock level data for the national level transportation network.

Link Mode - Pipeline (P)
 Link Level - Aggregate (A)
 Input/Output Facility Types - PLLN
 Link Energy Form - Oil Product Category (CPPb)
 Geographic Code - Nbbbbbb
 Link Identifier - Nbbbbbb

The national level transportation link is:

1	5	10	15	20	28
P A/P L L N P L L N/C P P b/N b b b b b b/N b b b b b b					
input/output	energy	geographic	identifier		
facility type	form	code			

B. Transportation Junction Facility

1. Facility Level

The U.S. Customs Port codes from the Oil Imports System (ERA 60, Schedule B, Column b PITS (DAD-PRUE) and the Transfer Pricing System (ERA 51) will be converted into transportation junction facilities. The methodology for coding facility ID's is as follows:

Sector - Transportation Network (T)
 Function - Junction (JN)
 Facility Level - Facility (F)
 Geographic Code - C "R" "S T" bbb
 Facility Identifier- The 4-digit customs code will be used (1234bb)

The source for the state code will be the 4-digit customs code (see ERA 51 instructions, U.S. Customs Codes).

An example of the transportation junction facility ID for the Houston port city is:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
T	J	N	F	C	I	T	X	"	C	T	Y	"	5	3	0	1	b	b

"CTY" - FIPS Country code for Houston.

2. State, Regional, and National Levels - Not Mapped

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APPENDIX A

Energy Codes

Table 1A	Foreign Crude Oil Energy Codes - Specific Crude Types
Table 1B	Foreign Crude Oil Energy Codes - Crude Types by Attribute Ranges
Table 2	Oil Product Types
Table 3	Strategic Petroleum Reserve - Crude Oil Types

FOREIGN CRUDE OIL ENERGY CODES
(Tables 1A and 1B)

Conditions for Coding into Table 1A

Oil Import System. In order for a crude oil type to be equivalent to the energy codes in Table 1A, country of origin must be the same as that appearing in this table and the crude attributes, API gravity and sulfur content, must be exactly equivalent to the values given in this table. If these criteria are not met, the crude oil type will be assigned an energy code from Table 1B.

Transfer Pricing System. Table 1A can be used to code Transfer Pricing crude types only when Transfer Pricing crude codes are specified in this table. Table 1B must be used for the Transfer Pricing codes which are not listed in Table 1A.

Conditions for Coding into Table 1B

Oil Import System. Table 1B is used to derive energy codes when the criteria above are not met. Position 5 and 6, which correspond to country of origin in the energy code, are determined by the country code from column "d" of ERA-60, Schedule B. The two character country code used for country of origin in the Transfer Pricing crude codes will be adopted in the energy codes; therefore the three digit country code from Oil Imports must be converted into the two character code (5-6). Position 7 will be a number from 0 to 9 which corresponds to the range of API gravity (Table 1B) in which the gravity from column "O" falls. Position 8 will be a number from 0 to 9 which corresponds to the range of sulfur content (Table 1B) in which the sulfur content from column "n" falls.

Transfer Pricing System. Table 1B is used to derive energy codes when the criteria above are not met. The crude code system from The Transfer Pricing System* specifies country of origin, API gravity and crude name. Positions 5 and 6 of the EEMIS energy code are the same as the country code used in coding crude types in Transfer Pricing. The API gravity from ERA-51 is needed to determine the appropriate range for position 7 of the crude code (Table 1B). Position 8 will always be "U" since the sulfur content is not specified for Transfer Pricing crude codes.

*A list of Transfer Pricing system crude codes is given in the instructions for form ERA-51.

Table 1A
Foreign Crude Oil Energy Codes - Specific Crude Types

Code	Country	Gravity °API	Sulfur Wt%	Crude Name	ERA Code
TPCFA <u>G</u> <u>A</u> <u>B</u>	Algeria	44.3	0.10	Arzew Blend	AG020
TPCFA <u>G</u> <u>H</u> <u>M</u>	Algeria	44.0	0.14	Hassi Messaoud	AG021
TPCFA <u>G</u> <u>Z</u> <u>A</u>	Algeria	42.0	0.08	Zarzaitine	AG022
TPCFA <u>O</u> <u>C</u> <u>A</u>	Angola	32.9	0.15	Cabinda	AO030
TPCFB <u>X</u> <u>S</u> <u>L</u>	Brunei	38.8	0.05	Seria Light	BX035
TPCFC <u>F</u> <u>E</u> <u>M</u>	Congo (Brazzaville)	23.6	0.50	Emeraude	CF046
TPCFE <u>C</u> <u>E</u> <u>C</u>	Ecuador	30.4	0.87	Ecuador Crude(Oriente)	EC050
TPCFE <u>G</u> <u>G</u> <u>S</u>	Egypt	31.5	1.40	Gulf of Suez Blend	EG058
TPCFG <u>B</u> <u>A</u> <u>N</u>	Gabon	32.0	0.74	Anguille	GB060 GB061
TPCFG <u>B</u> <u>G</u> <u>A</u>	Gabon	31.8	0.11	Gamba	
TPCFG <u>B</u> <u>M</u> <u>B</u>	Gabon	29.0	1.26	Mandji Blend	
TPCFI <u>D</u> <u>A</u> <u>T</u>	Ind. (E. Kalimantan)	43.2	0.07	Attaka	ID072
TPCFI <u>D</u> <u>P</u> <u>O</u>	Indonesia (Java)	43.2	0.19	Poleng	ID800
TPCFI <u>D</u> <u>B</u> <u>E</u>	Ind. (E. Kalimantan)	41.1	0.08	Bekapai	ID804
TPCFI <u>D</u> <u>S</u> <u>E</u>	Ind. (E. Kalimantan)	37.9	0.10	Sepinggan	ID076
TPCFI <u>D</u> <u>A</u> <u>R</u>	Indonesia (Java)	37.7	0.12	Arjuna	ID071
TPCFI <u>D</u> <u>W</u> <u>E</u>	Indonesia (W. Irian)	35.4	0.68	Walio Export Mix	ID077
TPCFI <u>D</u> <u>M</u> <u>I</u>	Indonesia (Sumatra)	35.2	0.09	Minas (Sumatran Light)	ID073
TPCFI <u>D</u> <u>B</u> <u>U</u>	Ind. (E. Kalimantan)	32.2	0.08	Bunju	ID803 ID801 ID802
TPCFI <u>D</u> <u>C</u> <u>I</u>	Indonesia (Sumatra)	32.0	0.08	Cinta	
TPCFI <u>D</u> <u>H</u> <u>A</u>	Ind. (E. Kalimantan)	30.8	0.09	Handil	
TPCFI <u>D</u> <u>J</u> <u>A</u>	Indonesia (Java)	28.9	0.11	Jatibarang	ID807
TPCFI <u>D</u> <u>M</u> <u>E</u>	Ind. (E. Kalimantan)	24.7	0.27	Melahin	
TPCFI <u>D</u> <u>K</u> <u>E</u>	Ind. (E. Kalimantan)	21.6	0.30	Kerindingan	
TPCFI <u>D</u> <u>D</u> <u>U</u>	Indonesia (Sumatra)	20.6	0.21	Duri	ID807
TPCFI <u>D</u> <u>T</u> <u>A</u>	Ind. (E. Kalimantan)	19.5	0.14	Tarakan (Pamusian)	
TPCFI <u>D</u> <u>K</u> <u>L</u>	Ind. (Irian, Jaya)	18.7	0.97	Klamono	
TPCFI <u>R</u> <u>R</u> <u>O</u>	Iran	35.9	1.55	Rostam	IR087
TPCFI <u>R</u> <u>S</u> <u>A</u>	Iran	33.9	1.91	Sassan	IR088
TPCFI <u>R</u> <u>D</u> <u>A</u>	Iran	33.9	2.45	Darius	IR086
TPCFI <u>R</u> <u>I</u> <u>L</u>	Iran	33.5	1.40	Iranian Light	IR080
TPCFI <u>R</u> <u>F</u> <u>B</u>	Iran	31.0	2.60	Fereidoon Blend	IR090
TPCFI <u>R</u> <u>I</u> <u>H</u>	Iran	30.8	1.6	Iranian Heavy	IR082
TPCFI <u>R</u> <u>S</u> <u>B</u>	Iran	27.1	2.45	Sirip Blend 27.1 °API	IR084
TPCFI <u>R</u> <u>C</u> <u>Y</u>	Iran	19.0	3.48	Cyrus	

Table 1A (cont'd)
Foreign Crude Oil Energy Codes - Specific Crude Types

Code	Country	Gravity °API	Sulfur Wt%	Crude Name	ERA Code
TPCFI <u>Z</u> <u>K</u> <u>I</u>	Iraq	35.9	1.95	Kirkuk	IZ101
TPCFI <u>Z</u> <u>N</u> <u>R</u>	Iraq	34.3	1.98	North Rumalia	
TPCFI <u>Z</u> <u>B</u> <u>H</u>	Iraq	34.1	2.40	Bai Hassan Jambur	
TPCFI <u>Z</u> <u>B</u> <u>A</u>	Iraq	33.9	2.08	Basrah	
TPCFK <u>U</u> <u>K</u> <u>U</u>	Kuwait	31.2	2.50	Kuwait	KU110
TPCFL <u>Y</u> <u>B</u> <u>R</u>	Libya	40.4	0.21	Brega	LY122
TPCFL <u>Y</u> <u>L</u> <u>I</u>	Libya	40.6	0.10	Libyan (Bu Attifel)	LY120
TPCFL <u>Y</u> <u>Z</u> <u>U</u>	Libya	39.6	0.23	Zueitina	LY126
TPCFL <u>Y</u> <u>E</u> <u>S</u>	Libya	37.0	0.45	Es Sider	LY123
TPCFL <u>Y</u> <u>S</u> <u>A</u>	Libya	36.5	0.14	Sarir	LY130
TPCFL <u>Y</u> <u>A</u> <u>M</u>	Libya	36.1	0.15	Amra	LY121
TPCFM <u>Y</u> <u>T</u> <u>E</u>	Malasia (Sabah)	37.4	0.04	Tembungo	MY272
TPCFM <u>Y</u> <u>L</u> <u>L</u>	Malasia (Sabah)	36.0	0.07	Labuan Light (Samarang)	
TPCFM <u>X</u> <u>I</u> <u>S</u>	Mexico	33.0	1.56	Isthmus (Reforma)	MX280
TPCFI <u>Y</u> <u>H</u> <u>O</u>	Neutral Zone	34.1	1.7	Hout	IY135
TPCFI <u>Y</u> <u>K</u> <u>H</u>	Neutral Zone	28.7	2.88	Khafji	IY136
TPCFI <u>Y</u> <u>R</u> <u>A</u>	Neutral Zone	23.5	4.07	Ratawi	IY138
TPCFI <u>Y</u> <u>B</u> <u>U</u>	Neutral Zone	23.3	3.37	Burgan (Wafra)	IY137
TPCFI <u>Y</u> <u>E</u> <u>O</u>	Neutral Zone	18.6	4.55	Eocene	
TPCFN <u>I</u> <u>B</u> <u>R</u>	Nigeria	43.0	0.08	Brno River	NI143
TPCFN <u>I</u> <u>P</u> <u>E</u>	Nigeria	37.7	0.08	Pennington	NI148
TPCFN <u>I</u> <u>B</u> <u>L</u>	Nigeria	37.6	0.13	Bonny Light	NI150
TPCFN <u>I</u> <u>Q</u> <u>I</u>	Nigeria	37.4	0.106	Qia Iboe	NI144
TPCFN <u>I</u> <u>E</u> <u>S</u>	Nigeria	36.2	0.16	Escravos	NI142
TPCFN <u>I</u> <u>F</u> <u>B</u>	Nigeria	30.5	0.18	Forcados Blend	NI141
TPCFN <u>I</u> <u>B</u> <u>M</u>	Nigeria	26.0	0.23	Bonny Medium	
TPCFN <u>O</u> <u>S</u> <u>I</u>	Norway	38.2	0.27	Statfjord	NO158
TPCFN <u>O</u> <u>E</u> <u>K</u>	Norway	35.8	0.18	Ekofisk	
TPCFM <u>U</u> <u>O</u> <u>M</u>	Oman	34.7	0.97	Oman	MU160
TPCFQ <u>A</u> <u>D</u> <u>U</u>	Qatar	40.9	1.29	Dukhan (Qatar Land)	QA170
TPCFQ <u>A</u> <u>Q</u> <u>M</u>	Qatar	37.0	1.50	Qatar Marine	QA171
TPCFS <u>A</u> <u>B</u> <u>E</u>	Saudi Arabia	38.8	1.10	Arabian Light - Berri	SA183
TPCFS <u>A</u> <u>L</u> <u>T</u>	Saudi Arabia	33.4	1.80	Arabian Light	
TPCFS <u>A</u> <u>M</u> <u>E</u>	Saudi Arabia	30.8	2.40	Arabian Medium	SA182
TPCFS <u>A</u> <u>Z</u> <u>U</u>	Saudi Arabia	30.7	2.51	Arabian Medium - Zuluf	SA181
TPCFS <u>A</u> <u>H</u> <u>V</u>	Saudi Arabia	28.2	2.84	Arabian Heavy	

Table 1A (cont'd)
Foreign Crude Oil Energy Codes - Specific Crude Types

Code	Country	Gravity °API	Sulfur WT%	Crude Name	ERA Code
TPCFT <u>D</u> <u>T</u> <u>B</u>	Trinidad	33.6	0.23	Trinidad Blend	
TPCFT <u>C</u> <u>Z</u> <u>A</u>	United Arab Emirates	40.1	0.98	Zakum	TC011
TPCFT <u>C</u> <u>M</u> <u>N</u>	United Arab Emirates	39.4	0.74	Murban	TC010
TPCFT <u>C</u> <u>E</u> <u>B</u>	United Arab Emirates	38.5	1.12	El Bunduq	
TPCFT <u>C</u> <u>M</u> <u>S</u>	United Arab Emirates	38.1	0.93	Mubarras	
TPCFT <u>C</u> <u>M</u> <u>A</u>	United Arab Emirates	37.6	1.38	Marine (Umm Shaif)	TC012
TPCFT <u>C</u> <u>D</u> <u>U</u>	United Arab Emirates	32.5	1.68	Dubai	TC015
TPCFU <u>K</u> <u>M</u> <u>O</u>	UK	41.9	0.23	Montrose	UK400
TPCFU <u>K</u> <u>B</u> <u>E</u>	UK	39.5	0.36	Beryl	UK401
TPCFU <u>K</u> <u>T</u> <u>H</u>	UK	37.4	0.31	Thistle	
TPCFU <u>K</u> <u>P</u> <u>I</u>	UK	37.0	0.92	Piper	UK402
TPCFU <u>K</u> <u>F</u> <u>O</u>	UK	36.6	0.28	Forties	UK403
TPCFU <u>K</u> <u>N</u> <u>I</u>	UK	35.1	0.41	Ninian	
TPCFU <u>R</u> <u>T</u> <u>Y</u>	USSR	34.0	0.97	Tyumen	
TPCFU <u>R</u> <u>R</u> <u>O</u>	USSR	32.6	1.61	Romashkinskaya	UR291
TPCFU <u>R</u> <u>E</u> <u>K</u>	USSR	30.7	0.37	Ekhabinskaya	
TPCFV <u>E</u> <u>L</u> <u>A</u>	Venezuela	32.0	1.3	Lagomedio	VE226
TPCFV <u>E</u> <u>B</u> <u>A</u>	Venezuela	16.8	2.40	Bachequero	VE213
TPCFV <u>E</u> <u>B</u> <u>O</u>	Venezuela	10.3	5.4	Boscan	VE220

Table 1B
Foreign Crude Oil Energy Codes - Crude Types by Attribute Ranges

Position	1	2	3	4	5	6	7	8
Code	T	P	C	F	-	-	-	-

Position	Energy Code
1	Level = Type (T)
2	Sector = Petroleum (P)
3	Category = Crude Oil (C)
4	Group = Foreign (F)
5-6	Country Code (2 character code from Transfer Pricing)
7	API Gravity code (below)
8	Sulfur code (below)

API Gravity Codes

Range of Gravity °API	Position 7
Less than 20.00	0
20.00 - 24.99	1
25.00 - 27.99	2
28.00 - 29.99	3
30.00 - 31.99	4
32.00 - 33.99	5
34.00 - 35.99	6
36.00 - 37.99	7
38.00 - 39.99	8
40.00 and greater	9
Unknown	U

Sulfur Content Codes

Range of Sulfur Content	Position 8
0 - 0.19	0
0.20 - 0.49	1
0.50 - 0.99	2
1.00 - 1.49	3
1.50 - 1.99	4
2.00 - 2.49	5
2.50 - 2.99	6
3.00 - 3.49	7
3.50 - 4.99	8
5.00 and greater	9
Unknown	U

Table 2
Oil Product Types

1 / 2 / 3 / 4 / 5 6 7 8

Position

1	Energy Level
T = Type
2	Energy Sector
P = Petroleum
N = Natural Gas
3	Energy Category
C = Crude Oil
P = Oil Product
W = Wet Gas
D = Dry Gas
4	Energy Group
G = Gasoline
J = Jet Fuel
D = Distillate Fuel Oil
R = Residual Fuel Oil
L = Light Products (incl. Natural Gas Liquids)
O = Other
W = Wet Gas
M = Methane
L = Liquid Natural Gas
5-8	Energy Type
4 characters

b = blank |
-

Table 2
Energy Type Codes

Full Codes for Types	Energy Group	Energy Type
TPPGLEAD	Gasoline	Leaded
TPPGUNLD	Gasoline	Unleaded
TPPGAVIA	Gasoline	Aviation
TPPJNAPT	Jet Fuel	Naphtha type
TPPJKERO	Jet Fuel	Kerosene type
TPPDHEAT	Distillate Fuel Oil	Heating
TPPDDIES	Distillate Fuel Oil	Diesel
TPPDNO4T	Distillate Fuel Oil*	No. 4 fuel oil
TPFR5R6T	Residual Fuel Oil*	No. 5 and No. 6 fuel oil
TPPROTHT	Residual Fuel Oil	Other
TPPLETHN	Light Products	Ethane/ethylene
TPPLOLQG	Light Products	Other liquefied Gases
TPPLPROP	Light Products	Propane
TPPLPCHM	Light Products	Petrochemical
TPPOUNFN	Other	Unfinished oils
TPPOKERO	Other	Kerosene
TPPOOTHR	Other	Other
TNWWWETG	Natural Gas - Wet	Wet gas
TNDMMETH	Natural Gas - Dry	Methane
TNDLLIQN	Natural Gas - Dry	Liquid natural gas

*The distillate fuel oil and residual fuel oil groups and product types in these groups are detailed according to the range of sulfur content. The letter "T" shown in position 8 above can be substituted by the codes listed below to denote sulfur content range. When a product in these groups contains the letter "T" in position 8 the type code corresponds to the total for all ranges of sulfur content and this is also used when sulfur content is unknown.

Code	Range of Sulfur Content (weight %)
1	0 - 0.50
2	0.51 - 1.00
3	1.01 - 2.00
4	2.01 and greater

$$\overline{1} \quad \overline{2} \quad \overline{3} \quad \overline{4} \quad \overline{5} \quad \overline{6} \quad \overline{7} \quad \overline{8}$$

1 Energy Level
 T = Type

2 Energy Sector
 P = Petroleum

3 Energy Category
 C = Crude Oil

4 Energy Group
 S = Strategic Petroleum

5-8 Energy Type
 4 characters

 b = blank

Energy Code	SPR Type	Gravity °API	Sulfur wt% Max.	Pour Point Max.
TPCSTYP1	1	30-60	1.99	50
TPCSTYP2	2	40-45	0.25	50
TPCSTYP3	3	30-36	0.50	50
TPCSTYP4	4	34-40	0.25	50
TPCSTYP5	5	36-41	0.50	50

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APPENDIX B

Energy Code Translation Tables

LIST OF TABLES

EIA Systems

1. JPRS
2. Oil Import System
3. API System (Weekly Statistical Bulletin)
4. Domestic Crude Oil First Purchasers Report
5. Capacity of Petroleum Refineries
6. SWEARS
7. PITS
8. Tanker & Barge Movements in PAD III
- 9.* Underground Gas Storage System
- 10.* Supply and Disposition of Natural Gas
- 11.* Natural Gas Curtailment System
- 12A. Natural Gas Processing Plant Operations
- 12B. Natural Gas Liquids Processing Plant Operations
- 13.* Winter Energy Emergency System
14. Subpart L System
15. Monthly Report of Cost and Quality of Fuels for Electric Plants
16. Transfer Pricing System
17. Cost and Pricing
18. Crude Oil Entitlements System
19. Annual Survey of Domestic Oil & Gas Reserves

*Energy code translation tables are not needed for these systems.

Table 1A
JPRS (FEA P320 or EIA 87)

Section A

Product Code	EEMIS Oil Product Type	Output Field** (EEMIS Sector Structure)		
		B.1	C.1	D.1
110	Ethane/Ethylene	x	x	x
612	Ethane/Ethylene		x	x
652	Ethane/Ethylene	x	x	x
613	Propane		x	x
653	Propane	x	x	x
231	Propane	x		x
614,616,615	Other liquefied gases		x	x
654,656	Other liquefied gases	x	x	x
233,234,235,236	Other liquefied gases	x	x	x
090,210,220	Other (other)	x	x	
813	Unfinished oils	x	x	x
814	Unfinished oils	x		
131	Gasoline*	x	x	
132	Leaded			x
133	Unleaded			x
111	Aviation	x	x	x
051	Petrochemical feedstocks	x	x	x
211	Naphtha type	x	x	x
213	Kerosene type	x	x	x
311	Kerosene (other group)	x	x	x
412	Distillate fuel oil*	x	x	x
414	No. 4 fuel oil	x		x
511	Residual fuel oil*	x	x	x
822,824	Petrochemical feedstocks		x	x
098	Other (other)	x	x	x
010	Domestic (crude oil group)	x	x	x
020	Foreign (crude oil group)		x	x

Section A source field codes which will not be used in EEMIS:

021	061	230	853	911
022	071	239	855	999
031	081		859	
042			900	
044				

Section B - Not mapped into EEMIS

Sections C and D

<u>Product Code</u>	<u>EEMIS Classification</u>
Domestic crude oil	Domestic crude oil group
Foreign crude oil	Foreign crude oil group
Foreign unfinished oils	Unfinished oils

Section E (output field is C.1)

<u>Product Code</u>	<u>EEMIS Energy Code</u>
42 (0 - 0.5%)	TPPDN041
42 (0.6 - 1.0%)	TPPDN042
42 (1.1 - 2.0%)	TPPDN043
42 (Over 2.0%)	TPPDN044
52 (0 - 0.5%)	TPPR5R61
52 (0.6 - 1.0%)	TPPR5R62
52 (1.1 - 2.0%)	TPPR5R63
52 (Over 2.0%)	TPPR5R64

Section F - Not mapped into EEMIS

Section G - Mapped into the crude oil category

*Denotes a group of oil product types. Note that 412 does not include 414. Therefore, to determine total inputs, stocks, and outputs of the distillate fuel oil group, the operation sum 412 + 414 must be performed. This should be done each time data are fed into EEMIS.

**Source Fields are as follows:

B.1	= Receipts during month
C.1	= Stocks end of month
D.1	= Shipments, losses, and refinery fuel used during month.

Table 1B
JPRS (FEA P321 and 322 or EIA 88 and 89)

Product Code	EEMIS Oil Product Type
132	Leaded
133	Unleaded
111	Aviation
051	Petrochemical feedstocks
211	Naphtha type
213	Kerosene type
311	Kerosene (other group)
412	Distillate fuel oil*
414	No. 4 fuel oil
511	Residual fuel oil*
888	Other (other group)
230	Light products*
220	Other (other group)
210	Other (other group)

*Denotes a group of oil product types.

Table 1C
JPRS (FEA P323 or EIA 90)

Designation on Source	EEMIS Code
Domestic crude oil	Domestic (crude group)
Foreign crude oil	Foreign (crude group)

Table 2
Oil Imports System (ERA 60)

Schedule B - Crude Oil

EEMIS Crude Type Attributes (See Tables 1A and 1B in Appendix A)	Source Field (column)
Country of origin	d
API gravity	o
% Sulfur	n

Schedule C

Commodity Abbreviations	EEMIS Oil Product Type
Unfinished oils	Unfinished Oils
Ethane-Ethylene-Petrochemical	Ethane/Ethylene
Propane - SNG	Propane
Propane/Propylene	Propane
Propane/Propylene Petrochemical	Propane
Naphtha - Petrochemical	Petrochemical Feedstocks
Naphtha - SNG	Petrochemical Feedstocks
Natural Gasoline/Isopentane	Other (other)
Natural Gasoline/Isopentane - SNG	Other (other)
Plant condensate	Other (other)
Plant condensate - SNG	Other (other)
Butane/Butylene	Other Liquefied Gases
B-P Mixtures	Other Liquefied Gases
Isobutane	Other Liquefied Gases
Butane/Butylene Petrochemical	Other Liquefied Gases
B-P Mix Petrochemical	Other Liquefied Gases
Isobutane - Petrochemical	Other Liquefied Gases
Butane - SNG	Other Liquefied Gases
B-P Mix SNG	Other Liquefied Gases
Isobutane - SNG	Other Liquefied Gases

Table 2 (Cont.)
Oil Imports System (ERA 60)

Schedule K

Commodity Abbreviations	EEMIS Oil Product Type
Ethane/Ethylene - Fuel	Ethane/Ethylene
Propane/Propylene - Fuel	Propane
Motor Gasoline	Gasoline*
Aviation Gasoline	Aviation
Jet Fuel - Naphtha	Naphtha type
Jet Fuel - Kerosine	Kerosine type
Kerosene	Kerosene (other)
Butane/Butylene - Fuel	Other liquefied gases
B-P Mix - Fuel	Other liquefied gases
Isobutane - Fuel	Other liquefied gases
Distillate Fuel Oil, Less No.4	Distillate Fuel Oil*
Other Finished Products	Other (other)
Special Naphthas	Petrochemical Feedstocks

Schedule T

Commodity Abbreviations	EEMIS Oil Product Type
No. 4 Fuel Oil	No. 4 Fuel Oil**
No. 5/No. 6 Fuel Oil	No. 5 & No. 6 Fuel Oil**
Crude Oil Fuel	[Do not map]

*Denotes a group of oil product types.

**Sulfur content (column K of Schedule T) for each commodity must be mapped into the appropriate range for the product type code (Table 2, Appendix A).

Table 3
API
(Weekly Statistical Bulletin)

Page 2 - U.S. Refinery Output

Designation	EEMIS Oil Product Type
Total motor gasoline and unleaded motor gasoline	Leaded*
Unleaded motor gasoline	Unleaded
Naphtha-type jet fuel	Naphtha type
Kerosene-type jet fuel	Kerosene type
Kerosene	Kerosene (other group)
Distillate fuel oil	Distillate fuel oil**
Residual fuel oil	Residual fuel oil**

Page 5 - Imports of Petroleum Products - same as above plus:

Designation	EEMIS Oil Product Type
Grade No. 4 fuel oil	No. 4 fuel oil
LPG	Light products**
Petrochemical feedstocks and special naphtha	Petrochemical feedstocks
Plant condensate	Other (other group)
Unfinished oils	Unfinished oils

*Leaded = (Total motor gasoline - unleaded motor gasoline).

**Denotes a group of oil product types.

Table 4
Domestic Crude Oil First Purchases Report
(FEA P124 Schedule C)

Source Field G10 (total volume) corresponds to Domestic Crude Oil (group)

Table 5
Capacity of Petroleum Refineries
(BOM 6-1334)

Source Field Designation	EEMIS Product/Crude Codes
Section II:	
A. Crude oil distillation	Crude oil (category)
B. Reforming and cracking	see note*
Catalytic cracking	
Catalytic reforming	
Hydrocracking	
Coking	
Thermal cracking	
Thermal reforming	
Alkylation	
Section III:	
Crude oil	Crude oil (category)
Motor gasoline	Gasoline**
Jet fuel	Jet fuel**
Middle distillates	Distillate fuel oil**
Residual fuel oils	Residual fuel oil**

*These categories for refinery processing unit capacities are all expressed in terms of gasoline output. Therefore, they are coded as gasoline (group).

**Denotes a group of oil product types.

Table 6
SWEARS
(Form EIA-161 through 165)

Product Code	EEMIS Oil Product Type
010	Domestic (crude oil group)
020	Foreign (crude oil group)
812	Unfinished oils
131,133	Leaded (equal to 131-133)
133	Unleaded
211	Naphtha type (jet fuel)
213	Kerosene type (jet fuel)
311	Kerosene (other group)
411	Distillate fuel oil*
511	Residual fuel oil*
132	Leaded (form 162, 163)
414	No. 4 fuel oil (form 165)
230	Light products* (form 165)
610, 051	Petrochemical feedstocks (form 165)
210	Other (other) (Form 165)
001,002,021,900	(Not coded into EEMIS)

*Denotes a group of oil product types.

Table 7
PITS
(Form "DAD-PRUE")

Source Code		Energy Type
Product Code	Mode Code	
C	all	Foreign crude oil group
P	all	Oil products category
G	V, B, T, R	LNG
G	P	Dry gas
L	all	Light products group

Table 8
Tanker and Barge Movements in PAD III
(Form BOM 6 1308)

Product Code	EEMIS Product Type
010	Crude oil (category)
312	Unfinished oils
131	Casoline*
111	Aviation
051,820	Petrochemical Feedstocks
211	Naphtha type
213	Kerosene type
311	Kerosene (other)
411	Distillate Fuel Oil*
415	No. 4 Fuel Oil 0 - 0.5%S
416	No. 4 Fuel Oil 0.51 - 1.0%S
417	No. 4 Fuel Oil 1.01 - 2.0%S
418	No. 4 Fuel Oil Over 2.0%S
515	Residual Fuel Oil* 0 - 0.5%S
516	Residual Fuel Oil* 0 - 1.0%S
517	Residual Fuel Oil* 1.01 - 2.0%S
518	Residual Fuel Oil* Over 2.0%S
230	Light Products*
098	Other (other)
050,850,900,999	(Not Mapped)

*Denotes a group of oil product types.

Do not map the following into EEMIS: 850, 050, 900, 999.

Table 12A
Natural Gas Processing Plant Operations
(BOM-6-1343-A)

EEMIS Energy Hierarchy Description	Product Code
Light products	111
Petrochemical feedstocks	211
Other, other	311
Oil product	411
Oil product	811

Table 12B
Natural Gas Liquids Processing Plant Operations
(EIA-64, BOM-6-1305-M)

EEMIS Energy Hierarchy Description	Product Code
Ethane/Ethylene	110
Propane	231
Other liquefied gases	232
Other liquefied gases	233
Other liquefied gases	235
Other liquefied gases	236
Other liquefied gases	234
Petrochemical feedstocks	240
Petrochemical feedstocks	221
Petrochemical feedstocks	222
Petrochemical feedstocks	223
Petrochemical feedstocks	224
Petrochemical feedstocks	225
Petrochemical feedstocks	226
Other, other	227
Gasoline	131
Aviation gasoline	131
Petrochemical feedstocks	051
Naphtha-type jet fuel	211
Kerosene-type jet fuel	213
Kerosene	311
Distillate fuel oil	411
Other, other	210

Table 14
Subpart L System (EIA-25)

Product Code	EEMIS Oil Product Type
110	Propane
220	Unleaded
200,220	Leaded (equal to 200-220)
310	Kerosene (other)
320	Heating
330	Diesel
410	Aviation
420	Kerosene type (jet fuel)
430	Naphtha type
510,530	No. 4 fuel oil
520,540	No. 5 and No. 6 fuel oil
550,560,570	Other (residual fuel oil)
940	Crude oil (category)

Table 15
Monthly Report of Cost and Quality of Fuels
for Electric Plants (FPC 423)

Fuel (Abbreviation) Codes	EEMIS Oil Product Type
F02	Heating
F04**	No. 4 fuel oil
F05, F06**	No. 5 and No. 6 fuel oil
Cru	Crude oil (category)
TOP**	Other (residual fuel oil group)
KER	Kerosene
JF	Jet fuel*
LPG	Light Products*
MTH	Other (other)

*Denotes a group of oil product types

**Sulfur content (column 9) for these codes must be mapped into the appropriate range for the product type code (Table 2, Appendix A).

Fuel codes which will not be used in EEMIS:

ANT	LNG
BIT	RG
SUB	BFG
LIG	COG
PC	X
NG	
SNG	

Table 16
Transfer Pricing System (FEA F701)

Schedule B	
Source Fields	
Crude code (18-20) -	Crude code is transferred to EEMIS code (Table 1A, Appendix A).
Country code (16-17) -	Country code, crude type, and gravity are used to determine crude types when using Table 1B, Appendix A.
Crude type (column c)	
Gravity (21-23)	

Table 17
Cost and Pricing
(FEA P302)

Item Description	EEMIS Product Code
Part III	
1. Motor Gasoline (a-f) Premium, Regular (g-i) No Lead (Total Motor Gasoline)	Leaded Unleaded (Not Mapped)
2. Distillate (a-d) Diesel (e-h) Heating (i) All Other Distillates	Diesel Heating No. 4 fuel oil
3. Residual Fuel Oil (a) No. 5, (b) No. 6 [sum of (1)-(3)] (c) Bunker "C" (Total Residual)	No. 5 & No. 6* Other (Residual fuel oil) (Not Mapped)
4. Aviation Fuels (a-b) Gasoline (c-d) Naphtha type (e-f) Kerosene type (Total Aviation Fuel)	Aviation Naphtha type (jet fuel) Kerosene type (jet fuel) (Not Mapped)
5. Kerosene (a-b) Kerosene (Total Kerosene)	Kerosene (other) (Not Mapped)
6. Petrochemical Feedstocks (a-c) Benzene, Toluene, Other	Petrochemical Feedstocks
7. Liquefied Petroleum Gas (a-c) Propane (d,e,g) Butane, Butane/Propane, All Other LPG (f) Ethane (Total LPG)	Propane Other Liquefied Gases Ethane/Ethylene (Not Mapped)
8. All Other Covered Products	(Not Mapped)
Part IV	
(1-2) Ethane (3-4) Propane (5-8) Butane, Butane/Propane (9-10) Natural Gasoline (11-12) Total Other Products	Ethane/Ethylene Propane/Propylene Other Liquefied Gases Other (other) (Not Mapped)
Part VI	
1. Motor Gasoline (a-b) Premium, Regular (c) No-Lead	Leaded Unleaded
2. Distillate (a-b) No. 1 & No. 2	Heating
3. Residual Fuel Oil (a-b) No. 5, No. 6 (c) Bunker "C"	No. 5 & No. 6 Fuel oil Other (Residual fuel oil)
4. Aviation Fuels (a) Gasoline (b) Naphtha type (c) Kerosene type	Aviation Naphtha type Kerosene type
5. Kerosene	Kerosene (other)
6. Propane	Propane
*Do not map in No. 6 by sulfur content because the ranges do not coincide with the EEMIS convention for ranges of sulfur.	

Table 18
Crude Oil Entitlements System (ERA-49)

Section 4. Crude Oil Receipts

Code	EEMIS Crude Oil Group
10309	Foreign
All other codes in DRI matrix	Domestic

Table 19
Annual Survey of Domestic Oil and Gas Reserves
(EIA-23)

Section 2.0

Item Description	EEMIS Crude Oil and Natural Gas Codes
Report Year Production	
Crude Oil	
(B) Reserves Estimated	Domestic (group)
(C) Reserves Not Estimated	Domestic (group)
Dry Natural Gas	
(E) Reserves Estimated	Dry Gas (category)
(F) Reserves Not Estimated	Dry Gas (category)

APPENDIX C

Facility Identification Codes

Table 1
U.S. Oil Refineries

1 / 2 3 / 4 / 5 / 6 / 7 8 / 9 10 11 / 12 13 14 15 16 17

Position

1	Facility sector P = Petroleum
2-3	Facility function RE = Refinery
4	Facility level S = Aggregated State F = Individual facility
5	Geographic code level S = State C = County
6	PAD district
7-8	State Postal Code
9-11	FIPS county code
12-17	6-digit facility identifier

An asterisk indicates a refinery under construction. This list was copied from DOE/EIA-0111/79, Petroleum Refineries in the United States and U.S. Territories, January 1, 1979. Codes were assigned using information from the FEA, JPRS Establishment Checklist, May 10, 1979.

U.S. Oil Refineries

State Code	Company Name	Town
PRESS/3/A L/b b b/b b b b b b	Aggregated AL Refineries	
PREFC/3/A L/1 2 5/3 5 5 0 0 1	Hunt Oil Co.	Tuscaloosa
PREFC/3/A L/0 9 7/4 5 1 0 0 1	Lousiana Land & Exploration Co.	Mobile
PREFC/3/A L/0 9 7/4 7 7 1 0 1	Marion Corp.	Theodore
PREFC/3/A L/0 9 7/3 7 3 1 0 1	Mobile Bay Refining Co.	Chickasaw
PREFC/3/A L/1 2 7/9 3 0 0 0 1	Vulcan Refining Co.	Cordova
PREFC/3/A L/1 2 5/9 4 1 0 0 1	Warrior Asphalt Corp.	Holt
PRESS/5/A K/b b b/b b b b b b	Aggregated AK Refineries	
PREFC/5/A K/ / / / / / / /	Atlantic Richfield Co.	North Slope
PREFC/5/A K/1 2 0/8 1 0 1 0 1	Chevron U.S.A. Inc.	Kenai
PREFC/5/A K/0 1 4/2 2 6 2 0 1	Earth Resources Co. of Alaska	North Pole
PREFC/5/A K/1 2 0/8 5 5 1 0 1	Tesoro-Alaskan Petroleum Corp.	Kenai
PRESS/5/A Z/b b b/b b b b b b	Aggregated AZ Refineries	
PREFC/5/A Z/0 0 5/0 5 9 0 0 1	Arizona Fuels Corp.	Fredonia
PRESS/3/A R/b b b/b b b b b b	Aggregated AR Refineries	
PREFC/3/A R/1 0 3/1 9 5 1 0 1	Berry Petroleum Co.	Stephens
PREFC/3/A R/1 3 9/9 7 9 1 0 1	Cross Oil & Refining Co. of AR	Snackover
PREFC/3/A R/1 3 9/4 6 7 0 0 1	Macmillan Ring-Free Oil Co.	Norphlet
PREFC/3/A R/1 3 9/8 7 1 2 0 1	Tosco Corp.	El Dorado
PRESS/5/C A/b b b/b b b b b b	Aggregated CA Refineries	
PREFC/5/C A/0 3 7/0 7 5 0 0 5	Atlantic Richfield Co.	Carson
PREFC/5/C A/0 3 7/0 7 3 0 0 1	Basin Petroleum Inc.	Long Beach
PREFC/5/C A/0 3 1/0 9 6 0 0 1	Beacon Oil Co.	Hanford
PREFC/5/C A/0 3 7/8 9 7 1 0 1	Champlin Petroleum Co.	Wilmington
PREFC/5/C A/0 2 9/8 1 0 1 0 2	Chevron U.S.A. Inc.	Bakersfield
PREFC/5/C A/0 3 7/8 1 0 1 0 3	Chevron U.S.A. Inc.	El Segundo
PREFC/5/C A/0 1 3/8 1 0 1 0 4	Chevron U.S.A. Inc.	Richmond
PREFC/5/C A/0 3 7/1 8 5 3 0 1	Continental Oil Co.	Paramount
PREFC/5/C A/0 8 3/1 8 5 3 0 2	Continental Oil Co.	Santa Maria
PREFC/5/C A/0 3 7/3 5 6 0 0 1	Demunno Resources	Compton
PREFC/5/C A/0 3 7/5 2 7 1 0 1	E C O Petroleum Inc.	Long Beach
PREFC/5/C A/0 3 7/2 3 6 0 0 1	Edgington Oil Co. Inc.	Long Beach
PREFC/5/C A/0 9 5/8 1 6 1 0 6	Exxon Co., U.S.A.	Benicia
PREFC/5/C A/0 3 7/2 7 3 0 0 1	Fletcher Oil & Refining Co.	Carson
PREFC/5/C A/0 3 7/8 8 7 1 0 1	Golden Eagle Refining Co. Inc.	Carson
PREFC/5/C A/0 3 7/3 1 6 1 0 7	Gulf Oil Co. U.S.	Santa Fe Springs
PREFC/5/C A/0 2 9/1 4 1 1 0 1	Kern County Refining Co.	Bakersfield
PREFC/5/C A/0 3 7/4 5 7 0 0 1	Lunday-Thagard Oil Co.	South Gate
PREFC/5/C A/0 3 7/4 6 7 0 0 2	MacMillan Ring-Free Oil Co.	Long Beach
PREFC/5/C A/0 3 7/5 1 9 0 1 0	Mobil Oil Corp.	Torrance
PREFC/5/C A/0 2 9/6 9 9 1 0 1	Mohawk Petroleum Corp.	Bakersfield

U.S. Oil Refineries (cont'd)

	State	Code	Company Name	Town
PREFC/5/C A/0 3 7/6 2 1 1 0 1	CA		Newhall Refining Co. Inc.	Newhall
PREFC/5/C A/1 1 1/2 3 7 0 0 1	CA		Oxnard Refinery	Oxnard
PREFC/5/C A/0 1 3/1 6 2 7 0 1	CA		Pacific Refining Co. Inc.	Hercules
PREFC/5/C A/0 3 7/6 8 0 0 0 1	CA		Powerine Oil Co.	Santa Fe Springs
PREFC/5/C A/0 5 9/5 3 7 1 0 1	CA		Quad Refining Corp.	Bakersfield
PREFC/5/C A/0 2 9/7 0 4 0 0 1	CA		Road Oil Sales Inc.	Bakersfield
PREFC/5/C A/0 2 9/2 1 8 1 0 1	CA		Sabre Refining Inc.	Bakersfield
PREFC/5/C A/0 2 9/7 1 9 0 0 1	CA		San Joaquin Refining Co.	Bakersfield
PREFC/5/C A/0 1 3/7 4 9 0 0 7	CA		Shell Oil Co.	Martinez
PREFC/5/C A/0 3 7/7 4 9 0 0 8	CA		Shell Oil Co.	Wilmington
PREFC/5/C A/0 2 9/2 6 4 1 0 1	CA		Sierra Anchor Refining Co.	McKittrick
PREFC/5/C A/0 2 9/8 3 2 0 0 1	CA		Sunland Refining Corp.	Bakersfield
PREFC/5/C A/0 3 7/8 5 9 0 1 1	CA		Texaco Inc.	Wilmington
PREFC/5/C A/0 1 3/8 7 1 2 0 2	CA		Tosco Corp.	Avon
PREFC/5/C A/0 2 9/8 7 1 0 0 1	CA		Tosco Corp.	Bakersfield
PREFC/5/C A/0 3 7/8 9 2 0 0 1	CA		U.S.A. Petrochem Corp.	Ventura
PREFC/5/C A/0 7 9/	CA		Union Oil Co. of CA	Arroyo Grande
PREFC/5/C A/0 1 3/8 9 4 1 0 3	CA		Union Oil Co. of CA	Rodeo
PREFC/5/C A/0 3 7/8 9 4 1 0 4	CA		Union Oil Co. of CA	Wilmington
PREFC/5/C A/0 2 9/9 4 8 0 0 1	CA		West Coast Oil Co.	Oil Dale
PREFC/5/C A/0 2 9/9 7 5 0 0 5	CA		Witco Chemical Corp.	Oil Dale
PREFC/5/C A 0 2 9/9 7 5 0 0 5	CA		Witco Chemical Corp.	Bakersfield
PRESS/4/C 0/b b b/b b b b b b			Aggregated CO Refineries	
PREFC/4/C 0/0 3 1/2 7 2 3 0 1	08/CO		Asamera Oil (U.S.) Inc.	Commerce City
PREFC/4/C 0/0 3 1/1 8 5 1 0 1	CO		Continental Oil Co.	Commerce City
PREFC/4/C 0/0 7 7/3 2 0 1 0 1	CO		Gary Western Co.	Fruita
PRESS/1/D E/b b b/b b b b b b			Aggregated DE Refineries	
PREFC/1/D E/0 0 3/2 9 2 1 0 1	10/DE		Getty Refining & Marketing Co.	Delaware City
PRESS/1/F L/b b b/b b b b b b			Aggregated FL Refineries	
PREFC/1/F L/1 2 9/7 3 8 0 0 1	12/FL		Seminole Asphalt Refining Inc.	St. Marks
PRESS/1/G A/b b b/b b b b b b			Aggregated GA Refineries	
PREFC/1/G A/0 5 1/8 1 3 1 0 2	13/GA		Amoco Oil Co.	Savannah
PREFC/1/G A/0 9 7/9 9 5 0 0 2	GA		Young Refining Corp.	Douglasville
PRESS/5/H I/b b b/b b b b b b			Aggregated HI Refineries	
PREFC/5/H I/0 0 3/8 1 0 1 0 5	15/HI		Chevron U.S.A. Inc.	Honolulu
PRESS/2/I L/b b b/b b b b b b			Aggregated IL Refineries	
PREFC/2/I L/1 1 9/8 1 3 1 0 3	17/IL		Amoco Oil Co.	Wood River
PREFC/2/I L/0 2 1/0 6 4 0 0 1	IL		Bi-Petro Co.	Pana
PREFC/2/I L/0 3 1/1 5 9 0 0 2	IL		Clark Oil & Refining Corp.	Blue Island
PREFC/2/I L/1 1 9/1 5 9 0 0 1	IL		Clark Oil & Refining Corp.	Hartford
PREFC/2/I L/0 3 3/4 4 3 2 0 1	IL		Dillman Oil Recovery Inc.	Oblong
PREFC/2/I L/0 3 3/4 7 4 0 0 1	IL		Marathon Oil Co.	Robinson
PREFC/2/I L/1 9 7/5 1 9 0 1 3	IL		Mobil Oil Corp.	Joliet
PREFC/2/I L/1 9 3/7 0 3 0 0 1	IL		M T Richards Inc.	Crossville

U.S. Oil Refineries (cont'd)

	State Code	Company Name	Town
PREFC/2/I L/1 1 9/7 4 9 0 0 1	IL	Shell Oil Co.	Roxana
PREFC/2/I L/1 0 1/8 5 9 0 0 1	IL	Texaco Inc.	Lawrenceville
PREFC/2/I L/1 9 7/8 5 9 0 0 2	IL	Texaco Inc.	Lockport
PREFC/2/I L/0 3 1/8 9 4 2 0 1	IL	Union Oil Co. of CA	Lemont
PREFC/2/I L/0 6 7/9 7 4 0 0 1	IL	Wireback Oil Co.	Plymouth
PREFC/2/I L/1 0 9/9 9 1 0 0 1	IL	Yetter Oil Co.	Colmar
PRESS/2/I N/b b b/b b b b b b		Aggregated IN Refineries	
PREFC/2/I N/0 8 9/0 6 8 0 0 1	IN	Energy Cooperative Inc.	East Chicago
PREFC/2/I N/0 0 3/3 0 0 0 0 1	IN	Gladieux Refinery Inc.	Fort Wayne
	IN	Indiana Farm Bureau	
PREFC/2/I N/1 2 9/3 7 2 0 0 1		Cooperative Association	Mount Vernon
	IN	Industrial Fuel & Asphalt	
		of Indiana Inc.	Hammond
PREFC/2/I N/0 8 9/5 4 1 1 0 1			
PREFC/2/I N/1 2 3/3 9 6 0 0 2	IN	Kentucky Oil & Refining Co.	Troy
PREFC/2/I N/1 6 9/4 2 4 0 0 1	IN	Laketon Asphalt Refining Co.	Laketon
PREFC/2/I N/1 6 7/7 9 1 0 0 1	IN	Princeton Refining Inc.	Princeton
PREFC/2/I N/0 9 7/7 0 9 0 0 1	IN	Rock Island Refining Co.	Indianapolis
PRESS/2/K S/b b b/b b b b b b		Aggregated KS Refineries	
PREFC/2/K S/1 2 5/2 6 6 1 0 1	20/KS	CRA, Inc.	Coffeyville
PREFC/2/K S/1 4 7/2 6 6 1 0 2	KS	CRA, Inc.	Phillipsburg
PREFC/2/K S/1 7 3/1 6 2 5 0 1	KS	Derby Refining Co.	North Wichita
PREFC/2/K S/1 7 1/2 6 2 0 0 1	KS	E-Z Serv Inc.	Shallow Water
PREFC/2/K S/0 1 5/2 9 2 1 0 3	KS	Getty Refining & Marketing	El Dorado
PREFC/2/K S/1 3 3/5 0 3 0 0 1	KS	Mid-America Refining Co., Inc.	Chanute
PREFC/2/K S/0 1 5/5 1 9 0 0 3	KS	Mobil Oil Corp.	Augusta
PREFC/2/K S/1 1 3/5 6 5 0 0 1	KS	National Cooperative Refinery	McPherson
PREFC/2/K S/0 1 5/6 5 6 0 0 1	KS	Pester Refining Corp.	El Dorado
PREFC/2/K S/2 0 9/6 6 9 0 0 1	KS	Phillips Petroleum Co.	Kansas City
PREFC/2/K S/0 3 5/8 7 6 1 0 2	KS	Total Petroleum Inc.	Arkansas City
PRESS/2/K Y/b b b/b b b b b b		Aggregated KY Refineries	
PREFC/2/K Y/0 1 9/0 7 1 1 0 1	21/KY	Ashland Oil Inc.	Catlettsburg
PREFC/2/K Y/1 1 1/0 7 1 1 0 7	KY	Ashland Oil Inc.	Louisville
PREFC/2/K Y/0 7 1/3 9 6 0 0 1	KY	Kentucky Oil & Refining Co.	Betsy Lane
PREFC/2/K Y/1 9 9/7 7 1 0 0 1	KY	Somerset Refinery Inc.	Somerset
PRESS/3/L A/b b b/b b b b b b		Aggregated LA Refineries	
PREFC/3/L A/0 1 7/6 4 2 4 0 1	22/LA	Atlas Processing Co.	Shreveport
PREFC/3/L A/0 1 9/4 9 4 1 0 1	LA	Aweco*	Lake Charles
PREFC/3/L A/0 1 7/0 9 0 1 0 2	LA	Bayou State Oil Corp.	Hosston
PREFC/3/L A/0 1 7/0 9 0 1 0 1	LA	Bayou State Oil Corp.	Hosston
PREFC/3/L A/0 9 3/1 2 5 2 0 1	LA	Bruin Refining Inc.	St. James
PREFC/3/L A/0 1 9/1 1 3 1 0 1	LA	Calcasieu Refining Ltd.	Lake Charles
PREFC/3/L A/0 1 5/1 3 0 1 0 1	LA	Calumet Refining Co.	Princeton

U.S. Oil Refineries (cont'd)

	State Code	Company Name	Town
PREFC/3/L A/0 0 1/0 5 2 2 0 1	LA	Canal Refining Co.	Church Point
PREFC/3/L A/0 1 9/1 4 9 1 0 2	LA	Cities Service Co.	Lake Charles
PREFC/3/L A/0 1 9/1 4 6 0 0 1	LA	Cit-Con Oil Corp.	Lake Charles
PREFC/3/L A/0 2 7/1 5 4 0 0 1	LA	Claiborne Gasoline Co.	Lisbon
PREFC/3/L A/0 0 1/1 8 5 1 0 8	LA	Continental Oil Co.	Egan
PREFC/3/L A/0 1 9/1 8 5 1 0 2	LA	Continental Oil Co.	Westlake
PREFC/3/L A/1 1 9/3 9 9 2 0 1	LA	Cotton Valley Solvents Co.	Cotton Valley
PREFC/3/L A/0 5 3/2 4 8 0 0 1	LA	Evangeline Refining Co. Inc.	Jennings
PREFC/3/L A/0 3 3/8 1 6 1 0 1	LA	Exxon Co., U.S.A.	Baton Rouge
PREFC/3/L A/0 8 9/3 3 7 1 0 1	LA	Good Hope Refinery Inc.	Good Hope
PREFC/3/L A/0 7 5/3 1 6 1 0 8	LA	Gulf Oil Co., U.S.	Belle Chasse
PREFC/3/L A/0 7 5/3 1 6 1 0 1	LA	Gulf Oil Co., U.S.	Venice
PREFC/3/L A/0 9 7/4 4 7 1 0 1	LA	Hill Petroleum Co.	Krotz Springs
PREFC/3/L A/0 1 7/0 9 0 2 0 1	LA	Ida Gasoline Co.	Belcher
PREFC/3/L A/0 0 5/3 6 5 1 0 1	LA	Inger Oil Co.	Darrow
PREFC/3/L A/0 8 9/6 6 2 1 0 1	LA	International Processors*	St. Rose
PREFC/3/L A/0 6 1/3 9 9 1 0 4	LA	Kerr-McGee Corp.	Dubach
PREFC/3/L A/0 9 3/4 2 3 0 0 1	LA	La Jet, Inc.	St. James
PREFC/3/L A/1 1 3/4 3 6 1 0 1	LA	Mallard Resources*	Grueydan
PREFC/3/L A/0 9 5/4 7 4 0 0 5	LA	Marathon Oil Co.	Garyville
PREFC/3/L A/0 9 5/0 2 7 2 0 1	LA	Mt. Airy Refining Co.	Mt. Airy
PREFC/3/L A/0 8 7/5 5 5 0 0 1	LA	Murphy Oil Corp.	Meraux
PREFC/3/L A/0 3 3/6 7 6 1 0 1	LA	Placid Refining Co.	Port Allen
PREFC/3/L A/0 3 1/5 8 7 1 0 1	LA	Port Petroleum	Stonewall
PREFC/3/L A/0 6 5/6 2 3 1 0 1	LA	Schulze Processing Inc.	Talla Bena
PREFC/ / / / / / / /	LA	Schulze Processing Inc.	Tallulah
PREFC/3/L A/0 8 9/7 4 9 0 0 2	LA	Shell Oil Co.	Norco
PREFC/3/L A/0 5 3/3 2 8 1 0 1	LA	Shepard Oil Co.	Jennings
PREFC/ / / / / / / /	LA	Sooner Refining Co.*	Darrow
PREFC/3/L A/0 0 1/7 7 6 0 0 1	LA	South Louisiana Production Co.	Mermentau
PREFC/3/L A/0 5 3/9 2 3 1 0 1	LA	T&S Refining Inc.	Jennings
PREFC/3/L A/0 8 7/8 5 1 0 0 1	LA	Tenneco Oil Co.	Chalmette
PREFC/ / / / / / / /	LA	Tenneco Oil Co.*	Chalmette
PREFC/3/L A/0 9 3/8 5 9 0 0 3	LA	Texaco, Inc.	Convent
PREF33/1/M D/b b b/b b b b b b		Aggregated MD Refineries	
PREFC/1/M D/5 1 0/8 1 3 1 0 5	24/MD	Amoco Oil Co.	Baltimore
PREFC/1/M D/0 0 5/8 1 0 4 0 2	MD	Chevron U.S.A. Inc.	Baltimore
PRESS/2/M I/b b b/b b b b b b		Aggregated MI Refineries	
PREFC/2/M I/ / / / / / / /	26/MI	Akron Hydrocarbons*	Akron
PREFC/2/M I/1 4 7/1 8 1 0 0 1	MI	Consumers Power Co.	Marysville
PREFC/2/M I/1 1 7/4 1 9 2 0 1	MI	Crystal Refining Co.	Carson City
PREFC/2/M I/0 1 7/2 1 5 1 0 1	MI	Dow Chemical U.S.A.	Bay City
PREFC/2/M I/0 7 7/4 1 9 1 0 1	MI	Lakeside Refining Co.	Kalamazoo

U.S. Oil Refineries (cont'd)

	State Code	Company Name	Town
PREFC/2/M I/1 6 3/4 7 4 0 0 2	MI	Marathon Oil Co.	Detroit
PREFC/2/M I/ / / / / / / /	MI	Petroleum Specialties Inc.	Flat Rock
PREFC/2/M I/1 2 9/8 3 0 1 0 1	MI	Texas American Petrochemicals	West Branch
PREFC/2/M I/0 5 7/8 7 6 1 0 1	MI	Total Petroleum Inc.	Alma
PRESS/2/M N/b b b/b b b b b b		Aggregated MN Refineries	
PREFC/2/M N/1 6 3/0 7 1 1 0 9	27/MN	Ashland Oil Inc.	St. Paul Park
PREFC/2/M N/0 1 7/1 8 5 1 0 3	MN	Continental Oil Co.	Wrenshall
PREFC/2/M N/0 3 7/4 0 9 1 0 1	MN	Koch Refining Co.	Rosemont
PRESS/3/M S/b b b/b b b b b b		Aggregated MS Refineries	
PREFC/3/M S/0 1 3/0 3 9 2 0 3	28/MS	Amerada Hess Corp.	Purvis
PREFC/3/M S/0 5 9/8 1 0 3 0 1	MS	Chevron U.S.A. Inc.	Pascagoula
PREFC/3/M S/1 4 9/5 8 8 1 0 1	MS	Ergon Refining Inc.	Vicksburg
PREFC/3/M S/0 7 3/9 2 6 1 0 2	MS	Southland Oil Co.	Lumberton
PREFC/3/M S/0 6 7/9 2 6 1 0 3	MS	Southland Oil Co.	Sandersville
PREFC/3/M S/1 6 3/9 2 6 1 0 1	MS	Southland Oil Co.	Yazoo City
PREFC/3/M S/1 4 9/2 5 7 1 0 1	MS	Vicksburg Refining Inc.	Vicksburg
PRESS/2/M O/b b b/b b b b b b		Aggregated MO Refineries	
PREFC/2/M O/0 9 5/8 1 3 1 0 6	29/MO	Amoco Oil Co.	Sugar Creek
PRESS/4/M T/b b b/b b b b b b		Aggregated MT Refineries	
PREFC/4/M T/1 1 1/1 8 5 1 0 4	30/MT	Continental Oil Co.	Billings
PREFC/4/M T/1 1 1/8 1 6 1 0 2	MT	Exxon Co., U.S.A.	Billings
PREFC/4/M T/1 1 1/2 6 3 0 0 1	MT	Farmers Union Central Exchange	Laurel
PREFC/ / / / / / / /	MT	John Wight, Inc.	Shelby
PREFC/4/M T/0 8 5/4 0 8 0 0 1	MT	Kenco Refining Inc.	Wolf Point
PREFC/4/M T/0 1 3/6 6 9 0 0 2	MT	Phillips Petroleum Co.	Great Falls
PREFC/4 M T 1 0 1 1 3 3 1 0 1	MT	Thunderbird Res. Inc.	Kevin
PREFC/4/M T/0 3 5/1 3 3 2 0 1	MT	Westco Refining Co.	Cut Bank
PRESS/2/N E/b b b/b b b b b b		Aggregated NE Refineries	
PREFC/2/N E/1 5 7/2 6 6 1 0 3	31/NE	CRA, Inc.	Scotts Bluff
PRESS/5/N V/b b b/b b b b b b		Aggregated NV Refineries	
PREFC/5/N V/0 2 3/5 7 9 0 0 1	32/NV	Nevada Refining Co.	Tonopah
PRESS/1/N H/b b b/b b b b b b		Aggregated NH Refineries	
PREFC/1/N H/0 1 5/8 0 3 0 0 1	33/NH	ATC Petroleum Inc.	Newington
PRESS/1/N J/b b b/b b b b b b		Aggregated NJ Refineries	
PREFC/1/N J/0 2 3/0 3 9 2 0 1	34/NJ	Amerada Hess Corp.	Port Reading
PREFC/1/N J/0 2 3/8 1 0 2 0 1	NJ	Chevron U.S.A. Inc.	Perth Amboy
PREFC/1/N J/0 3 9/8 1 6 1 0 3	NJ	Exxon Co., U.S.A.	Linden
PREFC/1/N J/0 1 5/5 1 9 0 0 5	NJ	Mobil Oil Corp.	Paulsboro
PREFC/ / / / / / / /	NJ	Seaview Petroleum Co.*	Paulsboro
PREFC/1/N J/0 1 5/8 5 9 0 0 4	NJ	Texaco Inc.	Westville

U.S. Oil Refineries (cont'd)

State Code	Company Name	Town
PRESS/3/N M/b b b/b b b b b b	Aggregated NM Refineries	
PREFC/3/N M/O 4 5/1 3 7 0 0 1	35/NM Caribou-Four Corners Oil Co.	Farmington
PREFC/3/N M/O 4 5/3 4 7 0 0 1	NM Giant Industries Inc.	Farmington
PREFC/3/N M/O 1 5/3 3 1 1 0 1	NM Navajo Refining Co.	Artesia
PREFC/3/N M/O 4 5/8 2 7 1 0 1	NM Plateau Inc.	Bloomfield
PREFC/3/N M/O 3 1/7 4 9 0 0 3	NM Shell Oil Co.	Gallup
PREFC/3/N M/O 2 5/7 9 0 1 0 2	NM Southern Union Refining Co.	Lovington
PREFC/3/N M/O 2 5/7 9 0 1 0 1	NM Southern Union Refining Co.	Monument
PREFC/3/N M/O 4 5/8 5 8 0 0 1	NM Thriftway Oil Co.	Bloomfield
PRESS/1/N Y/b b b/b b b b b b	Aggregated NY Refineries	
PREFC/1/N Y/O 2 9/0 7 1 1 0 2	36/NY Ashland Oil Co.	Buffalo
PREFC/1/N Y/O 0 1/1 4 5 2 0 1	NY Cibro Petroleum Products Inc.	Albany
PREFC/1/N Y/O 2 9/5 1 9 0 0 6	NY Mobil Oil Corp.	Buffalo
PRESS/1/N C/b b b/b b b b b b	Aggregated NC Refineries	
PREFC/1/N C/1 2 9/8 0 3 1 0 1	37/NC ATC Petroleum Inc.	Wilmington
PRESS/2/N D/b b b/b b b b b b	Aggregated ND Refineries	
PREFC/2/N D/O 5 9/8 1 3 1 0 7	38/ND Amoco Oil Co.	Mandan
PREFC/2/N D/O 8 9/5 9 8 0 0 1	ND Northland Oil & Refining Co.	Dickinson
PREFC/2/N D/1 0 5/1 3 3 3 0 1	ND Westland Oil Co.	Williston
PRESS/2/O H/b b b/b b b b b b	Aggregated OH Refineries	
PREFC/2/O H/1 5 1/0 7 1 1 0 3	39/OH Ashland Oil Inc.	Canton
PREFC/2/O H/O 6 3/0 7 1 1 0 4	OH Ashland Oil Inc.	Findlay
PREFC/2/O H/O 6 1/3 1 6 1 0 3	OH Gulf Oil Co.	Cleves
PREFC/2/O H/O 9 5/3 1 6 1 0 4	OH Gulf Oil Co.	Toledo
PREFC/2/O H/O 0 3/8 1 8 0 0 2	OH Standard Oil Co.	Lima
PREFC/2/O H/O 9 5/8 1 8 0 0 3	OH Standard Oil Co.	Toledo
PREFC/2/O H/O 3 5 8 1 8 0 0 1	OH Standard Oil Co.	Cleveland
PREFC/2/O H/O 9 5/8 3 1 1 0 1	OH Sun Oil Co.	Toledo
PRESS/2/O K/b b b/b b b b b b	Aggregated OK Refineries	
PREFC/2/O K/O 8 1/0 2 9 0 0 ?	40/OK Allied Materials Corp.	Stroud
PREFC/2/O K/O 4 7/8 9 7 2 0 1	OK Champlin Petroleum Co.	Enid
PREFC/2/O K/O 7 1/1 8 5 1 0 5	OK Continental Oil Co.	Ponca City
PREFC/2/O K/1 1 9/4 1 0 0 0 1	OK Hudson Refining Co., Inc.	Cushing
PREFC/2/O K/O 4 9/3 9 9 1 0 3	OK Kerr-McGee Corp.	Wynnewood
PREFC/2/O K/1 1 1/6 0 0 1 0 1	OK OKC Corp.	Okmulgee
PREFC/2/O K/O 1 5/5 6 4 1 0 1	OK Oklahoma Refining Co.	Cyril
PREFC/2/O K/1 3 7/8 3 1 1 0 4	OK Petraf Inc.*	Thomas
PREFC/2/O K/1 4 3/8 3 1 1 0 2	OK Sun Co. Inc.	Duncan
PREFC/2/O K/1 4 3/8 5 9 0 0 5	OK Sun Co. Inc.	Tulsa
PREFC/2/O K/O 4 5/8 9 0 0 0 1	OK Texaco	Tulsa
PREFC/2/O K/O 1 9/9 2 8 1 0 1	OK Tonkawa Refining Co.	Arnett
PREFC/2/O K/O 1 9/9 2 8 1 0 1	OK Vickers Petroleum Corp.	Ardmore

U.S. Oil Refineries (cont'd)

	State Code	Company Name	Town
PRESS/5/O R/b b b/b b b b b b		Aggregated OR Refineries	
PREFC/5/O R/O 5 1/8 1 0 4 0 4	41/OR	Chevron USA Inc.	Portland
PRESS/1/P A/b b b/b b b b b b		Aggregated PA Refineries	
PREFC/1/P A/1 0 1/0 7 5 0 0 2	42/PA	Atlantic Richfield Co.	Philadelphia
PREFC/1/P A/O 4 5/8 1 8 2 0 1	PA	BP Oil Corp.	Marcus Hook
PREFC/1/P A/1 0 1/3 1 6 1 0 5	PA	Gulf Oil Co. U.S.	Philadelphia
PREFC/1/P A/O 4 5/8 3 1 1 0 3	PA	Sun Co. Inc.	Marcus Hook
PREFC/1/P A/1 2 1/0 7 1 4 0 1	PA	Ashland Oil Inc.	Freedom
PREFC/1/P A/1 2 1/6 4 2 1 0 1	PA	Pennzoil Co.	Rouseville
PREFC/1/P A/1 2 1/6 9 0 0 0 1	PA	Quaker State Oil Refining Co.	Emblenton
PREFC/1/P A/O 8 3/6 9 0 0 0 2	PA	Quaker State Oil Refining Co.	Smethport
PREFC/1/P A/1 2 3/9 0 8 0 0 1	PA	United Refining Co.	Warren
PREFC/1/P A/O 8 3/9 7 5 0 0 4	PA	Witco Chemical Corp.	Bradford
PRESS/2/T N/b b b/b b b b b b		Aggregated TN Refineries	
PREFC/2/T N/1 5 7/2 2 6 1 0 1	47/TN	Delta Refining Co.	Memphis
PRESS/3/T X/b b b/b b b b b b		Aggregated TX Refineries	
PREFC/3/T X/2 1 5/7 9 8 1 0 1	48/TX	Adobe Refining Co.	La Blanca
PREFC/3/T X/2 4 5/0 4 5 1 0 4	TX	American Petrofina Co. of TX	Port Arthur
PREFC/3/T X/1 6 7/8 1 3 1 0 8	TX	Amoco Oil Co.	Texas City
PREFC/3/T X/2 0 1/0 7 5 0 0 3	TX	Atlantic Richfield Co.	Houston
PREFC/3/T X/3 9 5/5 0 1 0 0 1	TX	Carbonit Refinery Inc.	Hearne
PREFC/3/T X/3 5 5/8 9 7 2 0 2	TX	Champlin Petroleum Co.	Corpus Christi
PREFC/3/T X/2 0 1/1 4 1 0 0 1	TX	Charter International Oil Co.	Houston
PREFC/3/T X/1 4 1/8 1 0 2 0 2	TX	Chevron U.S.A. Inc.	El Paso
PREFC/3/T X/3 5 5/1 6 2 2 0 1	TX	Coastal States Petrochemical	Corpus Christi
PREFC/3/T X/2 2 7/0 4 5 2 0 1	TX	Cosden Oil & Chemical Co.	Big Spring
PREFC/3/T X/2 0 1/1 9 1 0 0 1	TX	Crown Central Petroleum Corp.	Pasadena
PREFC/3/T X/3 4 1/2 0 7 0 0 1	TX	Diamond Shamrock Corp.	Sunray
PREFC/3/T X/4 4 9/2 1 2 0 0 2	TX	Dorchester Gas Corp.	Mount Pleasant
PREFC/3/T X/3 7 5/2 1 2 0 0 1	TX	Dorchester Gas Corp.	White Deer
PREFC/3/T X/2 0 1/2 3 4 0 0 1	TX	Eddy Refining Co.	Houston
PREFC/3/T X/2 4 5/2 3 3 0 0 1	TX	Erickson Refining Corp.	Port Neches
PREFC/3/T X/2 0 1/8 1 6 1 0 5	TX	Exxon Co., U.S.A.	Baytown
PREFC/3/T X/0 2 9/2 7 5 0 0 1	TX	Flint Ink Corp.	San Antonio
PREFC/3/T X/2 0 1/1 4 7 1 0 1	TX	Friendswood Refining Co.	Friendswood
PREFC/3/T X/0 2 9/3 4 1 0 0 2	TX	Howell Hydrocarbons, Inc.	San Antonio
PREFC/3/T X/4 2 3/8 6 6 2 0 1	TX	La Gloria Oil & Gas	Tyler
PREFC/3/T X/1 8 3/1 9 5 2 0 1	TX	Longview Refining Co.	Longview
PREFC/3/T X/4 0 1/6 6 2 0 0 2	TX	Petrolite Corp.	Kilgore
PREFC/3/T X/1 7 7/6 4 4 0 0 1	TX	Pioneer Refining Co.	Nixon
PREFC/3/T X/0 7 1/6 7 6 1 0 2	TX	Placid Oil Co.	Mont Belvieu
PREFC/3/T X/4 4 1/6 8 3 0 0 1	TX	Pride Refining Co.	Abilene
PREFC/3/T X/4 9 9/4 7 4 3 0 1	TX	Quitman Refining Co.	Quitman

U.S. Oil Refineries (cont'd)

	State Code	Company Name	Town
PREFC/3/T X/0 0 1/3 8 9 0 0 1	TX	Sector Refining Inc.	Palestine
PREFC/3/T X/1 3 5/7 4 9 0 0 5	TX	Shell Oil Co.	Odessa
PREFC/3/T X/2 9 7/7 4 3 1 0 1	TX	Signor Refining Co.	Three River
PREFC/3/T X/3 5 5/8 3 1 3 0 1	TX	Suntide Refining Co.	Corpus Christi
PREFC/3/T X/1 2 7/8 5 5 0 0 2	TX	Tesoro Petroleum Corp.	Carrizo Springs
PREFC/3/T X/1 1 3/8 6 2 0 0 1	TX	Texas Asphalt & Refining Co.	Fort Worth
PREFC/3/T X/3 7 5/8 5 9 0 0 6	TX	Texaco Inc.	Amarillo
PREFC/3/T X/1 4 1/8 5 9 0 0 7	TX	Texaco Inc.	El Paso
PREFC// // // // // // //	TX	Texas Asphalt & Refining Co.	Eules
PREFC/3/T X/5 0 3/8 5 8 0 0 2	TX	Thriftway Oil Co.	Graham
PREFC/3/T X/4 7 5/2 3 9 1 0 1	TX	Wickett Refining Co.	Wickett
PREFC/3/T X/4 3 9/4 8 9 1 0 1	TX	Winston Refining Co.	Fort Worth
PREFC/3/T X/2 4 5/3 1 6 1 0 6	TX	Gulf Oil Co. U.S.	Port Arthur
PREFC/3/T X/3 5 5/3 3 8 0 0 2	TX	Gulf States Oil & Refining Co.	Corpus Christi
PREFC/3/T X/0 7 1/3 8 8 0 0 1	TX	Independent Refining Corp.	Winnie
PREFC/3/T X/2 0 1/7 3 7 2 0 1	TX	Intercoastal Refining Co. Inc.	Houston
PREFC/3/T X/1 6 7/4 7 4 0 0 3	TX	Marathon Oil Co.	Texas City
PREFC/3/T X/2 4 5/5 1 9 0 0 8	TX	Mobil Oil Corp.	Beaumont
PREFC/3/T X/1 6 7/5 2 9 1 0 2	TX	Monsanto Co.	Alvin-Texas City
PREFC/3/T X/0 3 9/6 6 9 0 0 4	TX	Phillips Petroleum Co.	Sweeny
PREFC/3/T X/3 5 5/6 9 2 0 0 1	TX	Quintana-Howell Joint Venture	Corpus Christi
PREFC/3/T X/0 2 9/3 3 9 1 0 1	TX	Raynal Refining Ltd.	Ingleside
PREFC/3/T X/3 5 5/7 2 1 0 0 1	TX	Saber Refining Co.	Corpus Christi
PREFC/3/T X/3 5 5/2 9 5 1 0 1	TX	Sentry Refining Inc.	Corpus Christi
PREFC/3/T X/2 0 1/7 4 9 0 0 4	TX	Shell Oil Co.	Deer Park
PREFC/3/T X/1 9 9/7 7 2 0 0 1	TX	South Hampton Co.	Silsbee
PREFC/3/T X/3 5 5/3 9 9 4 0 1	TX	Southwestern Refining Co. Inc.	Corpus Christi
PREFC// // // // // // //	TX	Sun Co. Inc.	Corpus Christi
PREFC/3/T X/2 4 5/8 5 9 0 0 8	TX	Texaco Inc.	Port Arthur
PREFC// // // // // // //	TX	Texaco Inc.	Port Neches
PREFC/3/T X/1 6 7/0 2 2 1 0 1	TX	Texas City Refining Inc.	Texas City
PREFC/3/T X/4 0 9/6 4 4 1 0 1	TX	Tipperary Refining Co.	Ingleside
PREFC/3/T X/0 0 7/4 5 2 1 0 1	TX	Uni Oil Co.	Ingleside
PREFC/3/T X/2 4 5/8 9 4 2 0 4	TX	Union Oil Co. of California	Nederland
PRESS/4/U T/b b b/b b b b b b		Aggregated UT Refineries	
PREFC/4/U T/0 3 5/8 1 3 1 0 9	49/UT	Amoco Oil Co.	Salt Lake City
PREFC/4/U T/0 1 1/1 3 7 0 0 2	UT	Caribou-Four Corners Oil Co.	Woods Cross
PREFC/4/U T/0 3 5/8 1 0 2 0 3	UT	Chevron U.S.A. Inc.	Salt Lake City
PREFC/4/U T/0 1 1/3 6 2 0 0 1	UT	Husky Oil Co.	North Salt Lake
PREFC/4/U T/0 1 1/5 3 8 0 0 1	UT	Morrison Petroleum Co.	Woods Cross
PREFC/4/U T/0 1 1/6 6 9 0 0 5	UT	Phillips Petroleum Co.	Woods Cross
PREFC/4/U T/0 3 5/8 2 7 2 0 1	UT	Plateau Inc.	Roosevelt
PREFC/4/U T/0 1 1/1 9 4 0 0 1	UT	Western Refining Co.	Woods Cross
PRESS/1/V A/b b b/b b b b b b		Aggregated VA Refineries	
PREFC/1/V A/1 9 9/8 1 3 1 1 0	51/VA	Amoco Oil Co.	Yorktown

U.S. Oil Refineries (cont'd)

	State Code	Company Name	Town
PRESS/5/W A/b b b/b b b b b b		Aggregated WA Refineries	
PREFC/5/W A/0 7 3/0 7 5 0 0 7	53/WA	Atlantic Richfield Co.	Ferndale
PREFC/5/W A/0 3 3/8 1 0 4 0 5	WA	Chevron U.S.A. Inc.	Richmond Beach
PREFC/5/W A/0 7 3/5 1 9 0 0 9	WA	Mobil Oil Corp.	Ferndale
PREFC/5/W A/0 5 7/7 4 9 0 0 6	WA	Shell Oil Co.	Anacortes
PREFC/5/W A/0 5 3/4 0 1 1 0 1	WA	Sound Refining Inc.	Tacoma
PREFC/5/W A/0 5 7/8 5 9 0 1 0	WA	Texaco, Inc.	Anacortes
PREFC/5/W A/0 5 3/9 0 9 0 0 1	WA	U.S. Oil & Refining Co.	Tacoma
PREFC/5/W A/0 5 3/9 0 5 0 0 1	WA	United Independent Oil Co.	Tacoma
PRESS/1/W V/b b b/b b b b b b		Aggregated WV Refineries	
PREFC/1/W V/0 3 9/6 4 2 2 0 1	54/WV	Elk Refining Co.	Falling Rock
PREFC/1/W V/0 2 9/6 9 0 0 0 4	WV	Quaker State Oil Refining Corp.	Newell
PREFC/1/W V/0 7 3/6 9 0 0 0 3	WV	Quaker State Oil Refining Corp.	St. Mary
PRESS/2/W I/b b b/b b b b b b		Aggregated WI Refineries	
PREFC/2/W I/0 3 1/5 5 5 0 0 2	55/WI	Murphy Oil Corp.	Superior
PRESS/4/W Y/b b b/b b b b b b		Aggregated WY Refineries	
PREFC/4/W Y/0 2 5/8 1 3 1 1 1	WY	Amoco Oil Co.	Casper
PREFC/4/W Y/0 2 7/2 2 7 0 0 1	WY	C&H Refinery Inc.	Lusk
PREFC/4/W Y/0 4 5/3 6 3 0 0 1	WY	Glacier Park Co.	Osage
PREFC/4/W Y/0 0 9/9 2 7 0 0 1	WY	Glenrock Refinery Inc.	Glenrock
PREFC/4/W Y/0 2 1/3 6 2 0 0 2	WY	Husky Oil Co.	Cheyenne
PREFC/4/W Y/0 2 9/3 6 2 0 0 3	WY	Husky Oil Co.	Cody
PREFC/4/W Y/0 2 5/4 3 9 0 0 1	WY	Little America Refining Co.	Casper
PREFC/4/W Y/0 2 3/5 4 9 0 0 1	WY	Mountaineer Refining Co.	LaBarge
PREFC/4/W Y/0 0 3/7 1 7 0 0 1	WY	Sage Creek Refining Co.	Cowley
PREFC/4/W Y/0 2 3/4 3 4 1 0 1	WY	Silver Eagle Refining Co.	LaBarge
PREFC/4/W Y/0 0 7/6 2 4 0 0 1	WY	Sinclair Oil Co.	Sinclair
PREFC/4/W Y/0 2 3/8 0 2 0 0 1	WY	Southwestern Refining Co.	LaBarge
PREFC/4/W Y/0 2 5/8 5 9 0 0 9	WY	Texaco Inc.	Casper
PREFC/4/W Y/0 4 5/8 5 5 0 0 3	WY	Wyoming Refining Co.	Newcastle
PRESS/6/P R/b b b/b b b b b b		Aggregated PR Refineries	
PREFC/6/P R/0 0 7/3 1 6 4 0 1	72/PR	Carribean Gulf Refining Co.	Bayamon
PREFC/6/P R/0 0 6/1 7 5 0 0 1	PR	Commonwealth Oil Refining Co.	Ponce
PREFC/6/P R/4 3 0/7 2 9 1 0 1	PR	Peerless Petrochemicals,	Ponce
PREFC/6/P R/0 0 3/6 6 9 0 0 8	PR	Phillips PR Core, Inc.	Guyama
PREFC/6/P R/0 0 4/8 3 1 1 0 5	PR	Sun Company Inc.	Yabucoa
PRESS/6/V I/b b b/b b b b b b		Aggregated VI Refineries	
PREFC/6/V I/8 0 0/0 3 9 2 0 5	78/VI	Amerada Hess Corp.	St. Croix

Table 2
SPR Facilities

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Position

- 1 Facility sector
P = Petroleum
 - (2-3) Facility function
SR = SPR facility
 - 4 Facility level
F = Individual facility
 - 5 Geographic code level
C = County
 - 6 Region code
 - 7-8 State postal code
 - 9-11 FIPS county code
 - 12-17 6 character facility identifier
- b = blank

Facility ID

Facility

P S R F C/3/T X/b b b/B R Y A N M	Bryan Mound, TX
P S R F C/3/L A/b b b/W E S T H A	West Hackberry, LA
P S R F C/3/L A/b b b/B A Y O U C	Bayou Choctau, LA
P S R F C/3/L A/b b b/S U L P H U	Sulphur Mines, LA
P S R F C/3/L A/b b b/W E E K S I	Weeks Island, LA
P S R F C/3/L A/b b b/S T J A M E	St. James, LA
P S R F C/3/O H/b b b/I R O N T O	Irononton, OH

Table 3
Natural Gas Processing Plants

1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17

Position :

- 1 Facility sector
N = Natural Gas
- 2-3 Facility function
PP = Processing Plant
- 4 Facility level
S = Aggregated State
F = Individual Facility
- 5 Geographic code level
S = State
C = County
- 6 Region Code
- 7-8 State Postal Code
- 9-11 FIPS county code
- 12-17 6 digit facility identifier

b = blank

This list was taken from "Worldwide Gas Processing," The Oil and Gas Journal, June 25, 1979. Minor corrections were made using the 1978-80 Worldwide Refining and Gas Processing Directory, Petroleum Publishing Co., Tulsa, OK, 1979. Question marks in the table indicate information not provided by the Oil and Gas Journal. The empty spaces for Region Code and facility identifier indicate information not yet available.

U.S. Natural Gas Processing Plants

State	Company Name	Town
NPPSS /A L/b b b/b b b b b b		
Aggregated AL Processing Plants		
NPPFC /A L/0 9 7/	AL Cities Service Co.	Citronelle
NPPFC /A L/0 9 7/	AL Getty Oil Co.	Hatter's Pond
NPPFC /A L/0 5 3/	AL Mallard Exploration Inc.	Big Escambia Creek (Atmore)
NPPFC /A L/1 2 9/	AL Phillips Petroleum Co.	Chatom
NPPFC /A L/0 2 3/	AL Placid Oil Co.	Womack
NPPFC /A L/0 9 7/	AL Sun Gas Co.	Churchulla
NPPSS /A K/b b b/b b b b b b		
Aggregated AK Processing Plants		
NPPFC /A K/1 2 0/	AK Chevron U.S.A. Inc.	Swanson River LTS (Kenai)
NPPFC /A K/1 2 0/	AK Marathon Oil Co.	Trading Bay (Kenai)
NPPSS /A R/b b b/b b b b b b		
Aggregated AR Processing Plants		
NPPFC /A R/0 2 7/	AR Arkansas Louisiana Gas Co.	Hamilton
NPPFC /A R/0 2 7/	AR Walker Creek Gasoline Co.	Walker Creek
NPPSS /C A/b b b/b b b b b b		
Aggregated CA Processing Plants		
NPPFC /C A/0 5 9/	CA Aminoil U.S.A. Inc.	Huntington Beach
NPPFC /C A/0 3 7/	CA Aminoil U.S.A. Inc.	Inglewood
NPPFC /C A/0 2 9/	CA Aminoil U.S.A. Inc.	Maricopa
NPPFC /C A/0 2 9/	CA Arco Oil & Gas Co.	No. Coles
NPPFC /C A/1 1 1/	CA Arco Oil & Gas Co.	Ojai Timber No. 18
NPPFC /C A/0 2 9/	CA Arco Oil & Gas Co.	Stevens-Calidon
NPPFC /C A/0 2 9/	CA Belridge Oil Co.	Belridge
NPPFC /C A/0 8 3/	CA Chevron U.S.A. Inc.	Carpinteria
NPPFC /C A/0 8 3/	CA Chevron U.S.A. Inc.	Gaviota
NPPFC /C A/0 5 9/	CA Chevron U.S.A. Inc.	Huntington Beach
NPPFC /C A/0 3 7/	CA Chevron U.S.A. Inc.	Inglewood LTS
NPPFC /C A/0 2 9/	CA Chevron U.S.A. Inc.	Lost Hills
NPPFC /C A/0 5 9/	CA Chevron U.S.A. Inc.	Murphy-Coyote
NPPFC /C A/0 2 9/	CA Chevron U.S.A. Inc.	One-C
NPPFC /C A/0 2 9/	CA Chevron U.S.A. Inc.	Seventeen-Z
NPPFC /C A/0 2 9/	CA Chevron U.S.A. Inc.	Thirty-two Z
NPPFC /C A/0 3 1/	CA Chevron U.S.A. Inc.	Three-P
NPPFC /C A/0 3 7/	CA Chevron U.S.A. Inc.	Torrance
NPPFC /C A/0 2 9/	CA Getty Oil Co.	Buena Vista Hills
NPPFC /C A/0 2 9/	CA Getty Oil Co.	Cymric
NPPFC /C A/0 8 3/	CA Getty Oil Co.	Los Alamos
NPPFC /C A/1 1 1/	CA Getty Oil Co.	Ventura
NPPFC /C A/0 3 7/	CA Lomita Gasoline Co.	Harbor
NPPFC /C A/0 3 7/	CA Lomita Gasoline Co.	Signal Hill
NPPFC /C A/0 2 9/	CA Marathon Oil Co.	South Coles Levee
NPPFC /C A/0 2 9/	CA Reserve Oil Inc.	Reserve
NPPFC /C A/1 1 1/	CA Santa Fe Energy Co.	Rincon

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /C A/0 8 3/	CA	Shell Oil Co.	Molino
NPPFC /C A/1 1 1/	CA	Shell Oil Co.	Ventura
NPPFC /C A/0 3 7/	CA	Sun Gas Co.	Newhall
NPPFC /C A/0 2 9/	CA	Superior Oil Co.	Rio Bravo
NPPFC /C A/0 3 7/	CA	Texaco Inc.	Honor Rancho
NPPFC /C A/1 1 1/	CA	Texaco Inc.	Shiells Canyon
NPPFC /C A/0 3 7/	CA	Union Oil Co. of California	Bell
NPPFC /C A/0 1 9/	CA	Union Oil Co. of California	Coalinga Nose
NPPFC /C A/0 3 7/	CA	Union Oil Co. of California	Dominguez
NPPFC /C A/1 1 1/	CA	Union Oil Co. of California	Santa Clara Valley
NPPFC /C A/0 8 3/	CA	Union Oil Co. of California	Santa Maria
NPPFC /C A/0 5 9/	CA	Union Oil Co. of California	Stearns
NPPFC /C A/0 2 9/	CA	Warren Petroleum Co.	Yowlume
NPPSS /C O/b b b/b b b b b b		Aggregated CO Processing Plants	
NPPFC /C O/0 0 5/	CO	Amoco Production Co.	Peoria
NPPFC /C O/1 2 3/	CO	Amoco Production Co.	Spindle
NPPFC /C O/0 0 1/	CO	Amoco Production Co.	Third Creek
NPPFC /C O/0 0 1/	CO	Amoco Production Co.	Wattenberg
NPPFC /C O/1 0 3/	CO	Chevron U.S.A. Inc.	Rangely Hagood
NPPFC /C O/0 7 7/	CO	Continental U.S.A. Inc.	Fruita
NPPFC /C O/1 2 3/	CO	Crystal Oil Co.	Roggen
NPPFC /C O/0 8 7/	CO	Crystal Oil Co.	Vallery
NPPFC /C O/0 7 5/	CO	Excelsior Oil Corp.	Yenter
NPPFC /C O/0 3 3/	CO	Gulf Energy Processing Corp.	Papoose Canyon
NPPFC /C O/0 0 1/	CO	Koch Industries Inc.	Third Creek
NPPFC /C O/1 0 3/	CO	Matrix Land Co.	Piceance Creek
NPPFC /C O/0 6 7/	CO	Northwest Pipeline Co.	Ignacio
NPPFC /C O/1 2 3/	CO	Phillips Petroleum Co.	
NPPFC /C O/0 6 1/	CO	Planet Engineers Inc.	McClave
NPPFC /C O/0 0 5/	CO	Sun Gas Co.	Denver Central
NPPFC /C O/1 0 3/	CO	Sun Gas Co.	Dragon Trail
NPPFC /C O/1 0 3/	CO	Texaco Inc.	Wilson Creek
NPPFC /C O/0 8 1/	CO	Trend Exploration Ltd.	Buck Peak
NPPFC /C O/0 8 3/	CO	Union Oil Co. of California	Adena
NPPSS /F L/b b b/b b b b b b		Aggregated FL Processing Plants	
NPPFC /F L/1 1 3/	FL	Exxon Co. U.S.A.	Jay
NPPFC /F L/0 0 7/	FL	Florida Hydrocarbons Co.	Brooker
NPPSS /I L/b b b/b b b b b b		Aggregated IL Processing Plants	
NPPFC /I L/1 9 1/	IL	Crystal Oil Co.	Keenville
NPPFC /I L/0 4 1/	IL	U.S. Industrial Chem. Co.	Tuscola

U.S. Natural Gas Processing Plants (cont'd.)

State	Company Name	Town
NPPSS /K S/b b b/b b b b b		
NPPFC /K S/1 2 9/	Aggregated KS Processing Plants	
NPPFC /K S/0 6 7/	Alamo Chemical Co.	Greenwood
NPPFC /K S/1 7 5/	Amoco Production Co.	Ulysses
NPPFC /K S/1 2 9/	Anadarko Production Co.	Cimarron
NPPFC /K S/1 8 9/	Anadarko Production Co.	Interstate
NPPFC /K S/1 7 5/	Anadarko Production Co.	Lone Star
NPPFC /K S/0 9 5/	Anadarko Production Co.	Woods
NPPFC /K S/1 5 5/	Cities Service Co.	Cheney
NPPFC /K S/0 6 7/	Cities Service Co.	Hutchinson
NPPFC /K S/0 9 5/	Cities Service Co.	Jayhawk
NPPFC /K S/0 7 7/	Cities Service Co.	Midway
NPPFC /K S/1 7 1/	Cities Service Co.	Spivey
NPPFC /K S/1 7 3/	Cities Service Co.	Sunflower
NPPFC /K S/1 2 9/	Cities Service Co.	Wichita
NPPFC /K S/0 9 3/	Cities Service Co.	Wilburton
NPPFC /K S/	Colorado Interstate Gas Co.	Lakin
NPPFC /K S/0 5 7/	Getty Oil Co.	Medicine Lodge
NPPFC /K S/1 6 5/	Getty Oil Co.	Minneola
NPPFC /K S/0 6 7/	Kansas Refined Helium Co.	Otis
NPPFC /K S/0 6 7/	Mesa Petroleum Co.	Ulysses
NPPFC /K S/1 7 5/	Mobile Oil Corp.	Hickok
NPPFC /K S/0 5 3/	National Helium Corp.	
NPPFC /K S/0 5 3/	Northern Gas Products	Bushton
NPPFC /K S/0 5 5/	Northern Helex Co	Northern Helex
NPPFC /K S/1 7 5/	Northern Natural Gas Co.	Holcomb
NPPFC /K S/0 7 9/	Northern Natural Gas Co.	Sublette
NPPFC /K S/1 8 7/	Peoples Natural Gas	Burrton
	Peoples Natural Gas	Johnson
NPPSS /K Y/b b b/b b b b b		
NPPFC /K Y/0 7 1/	Aggregated KY Processing Plants	
NPPFC /K Y/0 8 7/	Kentucky Hydrocarbon	Kentucky HC
	Tennessee Gas Pipeline Co.	Gabe
NPPSS /L A/b b b/b b b b b		
NPPFC /L A/0 5 7/	Aggregated LA Processing Plants	
NPPFC /L A/0 5 3/	Amoco Production Co.	Lake Boeuf
NPPFC /L A/0 1 9/	Amoco Production Co.	South Jennings
NPPFC /L A/0 2 3/	Amoco Production Co.	South Manchester
NPPFC /L A/0 5 3/	Amoco Production Co.	South Pecan Lake
NPPFC /L A/1 1 3/	Amoco Production Co.	South Thornwell
NPPFC /L A/0 7 7/	Amoco Production Co.	TSMA
NPPFC /L A/1 0 1/	Anchor Gasoline Corp	Krotz Springs
NPPFC /L A/1 1 9/	Arco Oil & Gas Co.	Bayou Sale
NPPFC /L A/0 7 3/	Arkansas Louisiana Gas Co.	Bistineau
NPPFC /L A/0 1 7/	Arkansas Louisiana Gas Co.	Calhoun
NPPFC /L A/1 1 9/	Arkansas Louisiana Gas Co.	Cayles
	Arkansas Louisiana Gas Co.	Minden

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /L A/0 1 5/	LA	Arkansas Louisiana Gas Co.	Sligo
NPPFC /L A/1 1 9/	LA	Beacon Gasoline Co.	
NPPFC /L A/0 2 3/	LA	Chevron U.S.A. Inc.	West Cameron
NPPFC /L A/0 0 1/	LA	Cities Service Co.	Crowley
NPPFC /L A/0 1 9/	LA	Cities Service Co.	Lake Charles
NPPFC /L A/0 9 3/	LA	Cities Service Co.	Saint Amelia
NPPFC /L A/0 2 7/	LA	Claiborne Gasoline Co.	
NPPFC /L A/0 0 1/	LA	Continental Oil Co.	
NPPFC /L A/0 1 9/	LA	Continental Oil Co.	Gillis
NPPFC /L A/0 2 3/	LA	Continental Oil Co.	Grand Chenier
NPPFC /L A/0 4 1/	LA	Crystal Oil Co.	Buckshot Bayou
NPPFC /L A/0 2 3/	LA	Crystal Oil Co.	Kings Bayou
NPPFC /L A/0 4 5/	LA	Exxon Co. U.S.A.	Avery Island
NPPFC /L A/1 0 1/	LA	Exxon Co. U.S.A.	Garden City
NPPFC /L A/0 5 1/	LA	Exxon Co. U.S.A.	Grand Isle
NPPFC /L A/1 0 9/	LA	Exxon Co. U.S.A.	Lirette
NPPFC /L A/0 9 7/	LA	Exxon Co. U.S.A.	Opelousas
NPPFC /L A/0 5 7/	LA	Exxon Co. U.S.A.	Thibodaux
NPPFC /L A/0 7 5/	LA	Getty Oil Co.	Bastian Bay
NPPFC /L A/0 2 3/	LA	Getty Oil Co.	
NPPFC /L A/1 0 9/	LA	Getty Oil Co.	Hollywood
NPPFC /L A/0 7 5/	LA	Getty Oil Co.	Venice
NPPFC /L A/0 7 5/	LA	Gulf Oil Explor. & Prod. Co.	S.E. Bastian Bay
NPPFC /L A/0 7 5/	LA	Gulf Oil Explor. & Prod. Co.	Venice
NPPFC /L A/0 9 9/	LA	Kerr-McGee Corp.	Bayou Crook Chene
NPPFC /L A/0 6 1/	LA	Kerr-McGee Corp.	Dubach-Calhoun Comp
NPPFC /L A/0 4 5/	LA	Koch Oil Co.	Bayou Postillion
NPPFC /L A/0 0 1/	LA	LaGloria Oil & Gas Co.	Rayne
NPPFC /L A/0 5 7/	LA	Liquid Products Recovery Inc.	Napoleonville No. 1
NPPFC /L A/0 0 7/	LA	Liquid Products Recovery Inc.	Napoleonville No. 2
NPPFC /L A/0 9 3/	LA	Liquid Products Recovery Inc.	Vacherie
NPPFC /L A/1 0 7/	LA	Locust Ridge Gas Process. Co.	Locust Ridge
NPPFC /L A/1 0 9/	LA	Louisiana Land & Explor. Co.	Pointe au Chien
NPPFC /L A/1 1 9/	LA	Marathon Oil Co.	Cotton Valley
NPPFC /L A/0 4 9/	LA	Mitchell Energy & Dev. Corp.	
NPPFC /L A/0 2 3/	LA	Mobil Oil Explor. & Prod. SE	
NPPFC /L A/1 1 3/	LA	Mobil Oil Explor. & Prod. SE	Cow Island
NPPFC /L A/0 5 3/	LA	Mobil Oil Explor. & Prod. SE	Iowa
NPPFC /L A/0 0 5/	LA	Mobil Oil Explor. & Prod. SE	Riverside
NPPFC /L A/1 1 3/	LA	Mobil Oil Explor. & Prod. SE	Sea Robin II
NPPFC /L A/0 3 3/	LA	Mullins & Prichard	Burtville
NPPFC /L A/0 5 3/	LA	Phillips Petroleum Co.	Rollover
NPPFC /L A/ /	LA	Phillips Petroleum Co.	Vermilion
NPPFC /L A/0 6 9/	LA	Placid Oil Co.	Black Lake
NPPFC /L A/1 0 9/	LA	Placid Oil Co.	Lapeyrouse
NPPFC /L A/1 0 1/	LA	Placid Oil Co.	Patterson I

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /L A/1 0 1/	LA	Resource Ex. & Proc. Co.	Bayou Vista 1
NPPFC /L A/0 4 7/	LA	Shell Oil Co.	Bayou Goula
NPPFC /L A/0 2 3/	LA	Shell Oil Co.	Black Bayou
NPPFC /L A/1 0 1/	LA	Shell Oil Co.	Calumet
NPPFC /L A/0 2 3/	LA	Shell Oil Co.	Chalkley
NPPFC /L A/0 8 9/	LA	Shell Oil Co.	Crawfish
NPPFC /L A/0 9 3/	LA	Shell Oil Co.	LaPice
NPPFC /L A/0 0 1/	LA	Shell Oil Co.	Mermentau
NPPFC /L A/0 8 9/	LA	Shell Oil Co.	Norco fractionator
NPPFC /L A/1 0 9/	LA	Shell Oil Co.	North Terrebonne
NPPFC /L A/0 2 3/	LA	Shell Oil Co.	Stingray
NPPFC /L A/0 0 5/	LA	Shell Oil Co.	Tebone fractionator
NPPFC /L A/1 0 9/	LA	Shell Oil Co.	Timbalier
NPPFC /L A/ / /	LA	Shell Oil Co.	Toca
NPPFC /L A/0 4 5/	LA	Shell Oil Co.	Weeks Island
NPPFC /L A/0 8 7/	LA	Shell Oil Co.	Yscloskey
NPPFC /L A/0 1 9/	LA	Sohio Petroleum So.	Holmwood
NPPFC /L A/0 8 7/	LA	Southern Natural Gas Co.	Toca
NPPFC /L A/1 0 1/	LA	South Louisiana Prod. Co. Inc.	Aymond
NPPFC /L A/0 3 9/	LA	South Louisiana Prod. Co. Inc.	Cocodrie
NPPFC /L A/0 3 9/	LA	South Louisiana Prod. Co. Inc.	St. Landry
NPPFC /L A/1 0 1/	LA	Sun Gas Co.	Belle Isle
NPPFC /L A/0 8 3/	LA	Sun Gas Co.	Delhi
NPPFC /L A/0 7 7/	LA	Sun Gas Co.	Fordoche
NPPFC /L A/0 5 5/	LA	Sun Gas Co.	Maurice
NPPFC /L A/0 1 5/	LA	Sun Gas Co.	South Sarepta
NPPFC /L A/1 1 3/	LA	Superior Oil Co.	Gueydan
NPPFC /L A/0 2 3/	LA	Superior Oil Co.	Lowry
NPPFC /L A/0 2 7/	LA	Tenneco Oil Co.	Stephens
NPPFC /L A/0 9 9/	LA	Texaco Inc.	Alligator Bayou
NPPFC /L A/1 0 1/	LA	Texaco Inc.	Floodway
NPPFC /L A/0 7 7/	LA	Texaco Inc.	Fordoche
NPPFC /L A/1 1 3/	LA	Texaco Inc.	Henry
NPPFC /L A/0 8 9/	LA	Texaco Inc.	Paradis
NPPFC /L A/1 1 3/	LA	Texaco Inc.	Sea Robin
NPPFC /L A/0 5 3/	LA	Texaco Inc.	South Lake Arthur
NPPFC /L A/0 0 1/	LA	Texas Gas Explor. Corp.	Eunice
NPPFC /L A/1 0 9/	LA	Union Oil Co. of California	Houma
NPPFC /L A/ / /	LA	Union Texas Petroleum	Rayne
NPPFC /L A/0 1 5/	LA	Union Texas Petroleum	Sligo
NPPFC /L A/0 8 7/	LA	Union Texas Petroleum	Toca
NPPFC /L A/0 2 3/	LA	Warren Petroleum Co.	Johnsons Bayou
NPPFC /L A/0 9 7/	LA	Warren Petroleum Co.	Krotz Springs

U.S. Natural Gas Processing Plants (cont'd.)

State	Company Name	Town
NPPSS /M I/b b b/b b b b b b		
NPPFC /M I/O 7 9/	MI Aggregated MI Processing Plants	
NPPFC /M I/O 3 9/	Amoco Production Co.	Kalkaska
NPPFC /M I/O 5 9/	Dow Chemical Co.	Beaver Creek Statio
NPPFC /M I/1 2 5/	Marathon Oil Co.	Scipio
NPPFC /M I/O 9 9/	Michigan Consolidated Gas Co.	Leonard
NPPFC /M I/1 3 3/	Michigan Consolidated Gas Co.	Romeo
NPPFC /M I/O 6 5/	Michigan Wisconsin Pipe. Co.	Loreed
NPPFC /M I/O 7 9/	Mobile Oil Corp.	Aurelius
	Shell Oil Co.	Kalkaska
NPPSS /M S/b b b/b b b b b b		
NPPFC /M S/O 6 1/	MS Aggregated MS Processing Plants	
NPPFC /M S/O 2 3/	Getty Oil Co.	Bay Springs
NPPFC /M S/1 2 9/	Shell Oil Co.	Goodwater
NPPFC /M S/O 9 5/	Shell Oil Co.	Tallahala Creek
NPPFC /M S/O 0 1/	Southern Natural Gas Co.	Mildon
NPPFC /M S/O 2 3/	Sun Gas Co.	Mercer
	Texas Oil & Gas Corp.	Harmony
NPPSS /M T/b b b/b b b b b b		
NPPFC /M T/O 8 3/	MT Aggregated MT Processing Plants	
NPPFC /M T/O 8 5/	Crystal Oil Co.	Sioux Pass
NPPFC /M T/O 8 7/	Crystal Oil Co.	Tule Creek
NPPFC /M T/O 8 3/	Energy Operating Corp	Sumatra
NPPFC /M T/O 8 3/	McCulloch Gas Proc. Corp.	Fairview
NPPFC /M T/O 3 5/	PGP Gas Products Inc.	Mon-Dak
NPPFC /M T/O 8 3/	Thunderbird Resources Inc.	Westco Refining
	True Oil Co.	Bob Rhodes
NPPSS /N E/b b b/b b b b b b		
NPPFC /N E/1 0 5/	NE Aggregated NE Processing Plants	
NPPFC /N E/O 3 3/	Cities Service Co.	Kimball
	Marathon Oil Co.	West Sidney
NPPSS /N M/b b b/b b b b b b		
NPPFC /N M/O 1 5/	NM Aggregated NM Processing Plants	
NPPFC /N M/O 4 1/	Amoco Production Co	Empire Abo
NPPFC /N M/O 1 5/	Cities Service Co.	Bluitt
NPPFC /N M/O 2 5/	Cities Service Co.	Burton Flats
NPPFC /N M/O 4 5/	Continental Oil Co.	Maljamar
NPPFC /N M/O 4 5/	El Paso Natural Gas Co.	Blanco
NPPFC /N M/O 2 5/	El Paso Natural Gas Co.	Chaco
NPPFC /N M/O 2 5/	El Paso Natural Gas Co.	Jal No. 1
NPPFC /N M/O 2 5/	El Paso Natural Gas Co.	Jal No. 3
NPPFC /N M/O 2 5/	El Paso Natural Gas Co.	Jal No. 4A
NPPFC /N M/O 2 5/	El Paso Natural Gas Co.	Jal No.4B
NPPFC /N M/O 4 5/	El Paso Natural Gas Co.	San Juan River
NPPFC /N M/O 3 1/	El Paso Natural Gas Co.	Wingate
NPPFC /N M/O 1 5/	Gas Co. of New Mexico	Avalon
NPPFC /N M/O 2 5/	Getty Oil Co.	Eunice No. 1

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /N M/O 2 5/	NM	Getty Oil Co.	Eunice No. 1
NPPFC /N M/O 1 5/	NM	Marathon Oil Co.	Indian Basin
NPPFC /N M/O 2 5/	NM	Minerals Inc.	Hobbs
NPPFC /N M/O 2 5/	NM	Northern Natural Gas Co.	Hobbs
NPPFC /N M/O 2 5/	NM	Perry Gas Processors Inc.	Antelope Ridge
NPPFC /N M/O 1 5/	NM	Perry Gas Processors Inc.	Artesia
NPPFC /N M/O 1 5/	NM	Phillips Petroleum Co.	Artesia
NPPFC /N M/O 2 5/	NM	Phillips Petroleum Co.	Eunice
NPPFC /N M/O 2 5/	NM	Phillips Petroleum Co.	Lee
NPPFC /N M/O 2 5/	NM	Phillips Petroleum Co.	Lovington
NPPFC /N M/O 2 5/	NM	Phillips Petroleum Co.	Lusk
NPPFC /N M/O 2 5/	NM	Phillips Petroleum Co.	Wilson
NPPFC /N M/O 4 5/	NM	Southern Union Refin. Co.	Kutz No. 1
NPPFC /N M/O 4 5/	NM	Southern Union Refin. Co.	Kutz No. 2
NPPFC /N M/O 3 9/	NM	Southern Union Refin. Co.	Lybrook
NPPFC /N M/O 4 5/	NM	Tenneco	Gallegos Canyon
NPPFC /N M/O 2 5/	NM	Texaco Inc.	Buckeye
NPPFC /N M/O 2 5/	NM	Tipperary Corp.	Denton
NPPFC /N M/O 2 5/	NM	Tuco Inc.	Hobbs
NPPFC /N M/O 2 5/	NM	Warren Petroleum Co.	Eunice
NPPFC /N M/O 1 5/	NM	Warren Petroleum Co.	Littlefield
NPPFC /N M/O 2 5/	NM	Warren Petroleum Co.	Monument
NPPFC /N M/O 2 5/	NM	Warren Petroleum Co.	Saunders
NPPFC /N M/O 2 5/	NM	Warren Petroleum Co.	Tatum
NPPFC /N M/O 2 5/	NM	Warren Petroleum Co.	Vada
NPPSS /N D/b b b/b b b b b		Aggregated ND Processing Plants	
NPPFC /N D/O 0 5/	ND	Aminoil U.S.A. Inc.	Tloga
NPPFC /N D/O 1 3/	ND	Energy Operating Corp.	Lignite
NPPFC /N D/O 5 3/	ND	Kerr-McGee Corp.	Boxcar Butte
NPPFC /N D/ /	ND	True Oil Co.	Red Wing Creek
NPPFC /N D/O 0 5/	ND	True Oil Co.	Williston
NPPFC /N D/O 0 7/	ND	Warren Petroleum Co.	Little Knife
NPPSS /O K/b b b/b b b b b		Aggregated OK Processing Plants	
NPPFC /O K/O 0 3/	OK	Aminoil USA Inc.	Aline
NPPFC /O K/O 1 9/	OK	Aminoil USA Inc.	Fox
NPPFC /O K/O 0 3/	OK	Aminoil USA Inc.	Lucien
NPPFC /O K/O 0 7/	OK	Amoco Production Co.	Elmwood
NPPFC /O K/O 1 1/	OK	Amoco Production Co.	Hitchcock
NPPFC /O K/O 5 3/	OK	Amoco Production Co.	Mooreland
NPPFC /O K/O 7 3/	OK	Amoco Production Co.	North Okarche
NPPFC /O K/O 1 1/	OK	Amoco Production Co.	Okeene
NPPFC /O K/O 1 1/	OK	Amoco Production Co.	Star-Lacey
NPPFC /O K/O 3 9/	OK	Anadarko Production Co.	North Richland Cent

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /O K/O 4 7/	OK	Arco Oil & Gas Co.	Covington
NPPFC /O K/O 3 7/	OK	Arco Oil & Gas Co.	Drumright
NPPFC /O K/I 3 3/	OK	Arco Oil & Gas Co.	Seminole
NPPFC /O K/O 0 7/	OK	Cabot Corp.	
NPPFC /O K/O 4 7/	OK	Champlin Petroleum Co.	Enid
NPPFC /O K/I 0 9/	OK	Champlin Petroleum Co.	Witcher
NPPFC /O K/O 8 5/	OK	Chevron USA Inc.	Marietta
NPPFC /O K/O 7 1/	OK	Cities Service Co.	Ambrose
NPPFC /O K/O 7 1/	OK	Cities Service Co.	Garrett
NPPFC /O K/I 3 9/	OK	Cities Service Co.	Murdock
NPPFC /O K/O 4 7/	OK	Cities Service Co.	Rodman
NPPFC /O K/O 2 5/	OK	Colorado Interstate Gas Co.	Keyes
NPPFC /O K/O 7 3/	OK	Continental Oil Co.	Hennessey
NPPFC /O K/O 5 3/	OK	Continental Oil Co.	Medford
NPPFC /O K/O 5 3/	OK	CRA Inc.	Lamont
NPPFC /O K/I 3 9/	OK	Dorchester Gas Producing Co.	Hooker
NPPFC /O K/O 0 7/	OK	El Paso Natural Gas Co.	Beaver
NPPFC /O K/O 4 9/	OK	Enserch Exploration Inc.	Katie
NPPFC /O K/O 4 9/	OK	Enserch Exploration Inc.	Wallville
NPPFC /O K/I 3 9/	OK	Excelsior Oil Corp.	Tyrone
NPPFC /O K/O 4 3/	OK	Exxon Co. USA	Camargo
NPPFC /O K/O 7 3/	OK	Exxon Co. USA	Dover-Hennessey
NPPFC /O K/I 3 7/	OK	Getty Oil Co.	East Velma Middle B
NPPFC /O K/I 3 7/	OK	Getty Oil Co.	Velma
NPPFC /O K/I 0 7/	OK	Grimes Gasoline Co.	Okemah
NPPFC /O K/O 8 3/	OK	ITT Eason Oil Co	Crescent
NPPFC /O K/O 3 7/	OK	Kerr-McGee Corp	Milfay
NPPFC /O K/I 2 3/	OK	Koch Oil Co.	Fitts
NPPFC /O K/O 4 3/	OK	Ladd Petroleum Corp.	Leonel
NPPFC /O K/O 9 9/	OK	Mapco Inc.	SW Davis
NPPFC /O K/I 3 9/	OK	Mapco Inc.	Tyrone
NPPFC /O K/O 5 1/	OK	Mobil Oil Corp.	Chitwood
NPPFC /O K/O 4 3/	OK	Mobil Oil Corp.	NE Trail
NPPFC /O K/I 3 9/	OK	Mobil Oil Corp.	Postle Hough
NPPFC /O K/O 4 3/	OK	Mobil Oil Corp.	Putnam-Oswego
NPPFC /O K/I 5 3/	OK	Mobil Oil Corp.	Seiling
NPPFC /O K/I 3 7/	OK	Mobil Oil Corp.	Sholem Alechem
NPPFC /O K/O 4 3/	OK	Mobil Oil Corp.	West Putnam
NPPFC /O K/O 1 7/	OK	Mustang Gas Products Co.	Calumet
NPPFC /O K/O 0 7/	OK	Northern Natural Gas Co.	Cabot-Highland
NPPFC /O K/O 4 3/	OK	Perry Gas Processors Inc.	
NPPFC /O K/O 4 9/	OK	Phillips Petroleum Co.	Bradley
NPPFC /O K/ /	OK	Phillips Petroleum Co.	
NPPFC /O K/I 5 3/	OK	Phillips Petroleum Co.	Cimarron
NPPFC /O K/I 4 3/	OK	Phillips Petroleum Co.	Creek

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /O K/1 0 9/	OK	Phillips Petroleum Co.	Edmond
NPPFC /O K/0 7 3/	OK	Phillips Petroleum Co.	
NPPFC /O K/0 5 1/	OK	Phillips Petroleum Co.	Norge
NPPFC /O K/1 0 9/	OK	Phillips Petroleum Co.	
NPPFC /O K/0 9 3/	OK	Phillips Petroleum Co.	Sooner
NPPFC /O K/0 1 5/	OK	Pioneer Gas Products Co.	Binger
NPPFC /O K/0 9 5/	OK	Pioneer Gas Products Co.	Madill
NPPFC /O K/0 9 3/	OK	Pioneer Gas Products Co.	Ringwood
NPPFC /O K/0 4 3/	OK	Shell Oil Co.	Seiling
NPPFC /O K/0 4 9/	OK	Shell Petroleum Co.	Elmore
NPPFC /O K/0 8 1/	OK	Sun Gas Co.	Carney
NPPFC /O K/1 1 9/	OK	Sun Gas Co.	Cushing
NPPFC /O K/0 8 7/	OK	Sun Gas Co.	Goldsby Central
NPPFC /O K/0 5 9/	OK	Sun Gas Co.	Laverne
NPPFC /O K/1 2 3/	OK	Sun Gas Co.	Steedman
NPPFC /O K/0 7 1/	OK	Sun Gas Co.	Tonkawa
NPPFC /O K/0 5 3/	OK	Sun Gas Co.	Wakita
NPPFC /O K/0 9 3/	OK	Tenneco Oil Co.	Ames
NPPFC /O K/0 1 5/	OK	Texaco Inc.	Apache
NPPFC /O K/0 0 7/	OK	Texaco Inc.	Camrick
NPPFC /O K/0 8 5/	OK	Texaco Inc.	Enville
NPPFC /O K/0 1 1/	OK	Texaco Oil & Gas Corp.	Cimarron
NPPFC /O K/0 3 9/	OK	Texaco Oil & Gas Corp.	
NPPFC /O K/0 9 3/	OK	Texaco Oil & Gas Corp.	Jeffries
NPPFC /O K/0 7 3/	OK	Texaco Oil & Gas Corp.	Watonga
NPPFC /O K/1 5 3/	OK	Texaco Oil & Gas Corp.	
NPPFC /O K/0 1 9/	OK	Union Oil Co. of California	Caddo
NPPFC /O K/0 9 3/	OK	Union Texas Petroleum	Chaney Dell
NPPFC /O K/0 5 1/	OK	Warren Petroleum Co.	Knox
NPPFC /O K/0 4 9/	OK	Warren Petroleum Co.	Maysville
NPPFC /O K/0 0 7/	OK	Warren Petroleum Co.	Mocane
NPPSS /T X/b b b/b b b b b		Aggregated TX Processing Plants	
NPPFC /T X/1 7 3/	TX	Adobe Oil Co.	Apple Creek
NPPFC /T X/3 1 7/	TX	Adobe Oil Co.	Sale Ranch
NPPFC /T X/0 5 7/	TX	Aluminum Co. of America	Alcoa
NPPFC /T X/2 2 3/	TX	AmuOil USA Inc.	Birthright
NPPFC /T X/3 2 1/	TX	Amoco Gas Co.	Texas City Extracti
NPPFC /T X/0 2 5/	TX	Amoco Production Co.	Burnell-North Pettu
NPPFC /T X/3 2 1/	TX	Amoco Production Co.	East Bay City
NPPFC /T X/4 6 7/	TX	Amoco Production Co.	Edgewood
NPPFC /T X/0 3 9/	TX	Amoco Production Co.	Hastings
NPPFC /T X/1 6 5/	TX	Amoco Production Co.	Hobbs Fractionation
NPPFC /T X/2 1 5/	TX	Amoco Production Co.	LaBlanca
NPPFC /T X/3 9 1/	TX	Amoco Production Co.	LaRosa

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /T X/2 1 9/	TX	Amoco Production Co.	Levelland
NPPFC /T X/3 5 5/	TX	Amoco Production Co.	Luby
NPPFC /T X/0 0 3/	TX	Amoco Production Co.	Midlandfarms
NPPFC /T X/4 9 5/	TX	Amoco Production Co.	Monahans
NPPFC /T X/1 3 5/	TX	Amoco Production Co.	North Cowden
NPPFC /T X/0 3 9/	TX	Amoco Production Co.	Old Ocean
NPPFC /T X/5 0 1/	TX	Amoco Production Co.	Prentice
NPPFC /T X/2 1 9/	TX	Amoco Production Co.	Ropes
NPPFC /T X/2 1 9/	TX	Amoco Production Co.	Slaughter
NPPFC /T X/0 0 3/	TX	Amoco Production Co.	South Fullerton
NPPFC /T X/1 6 7/	TX	Amoco Production Co.	South Gillock
NPPFC /T X/4 0 7/	TX	Amoco Production Co.	Urbana
NPPFC /T X/4 9 9/	TX	Amoco Production Co.	West Yantis
NPPFC /T X/3 5 3/	TX	Amoco Production Co.	White Flat
NPPFC /T X/4 8 9/	TX	Amoco Production Co.	Willamar Miocene
NPPFC /T X/2 1 5/	TX	Anchor Gasoline Corp.	Tabasco
NPPFC /T X/1 0 3/	TX	Arco Oil & Gas Co.	Block 31
NPPFC /T X/4 6 1/	TX	Arco Oil & Gas Co.	Crane
NPPFC /T X/4 9 5/	TX	Arco Oil & Gas Co.	Crittenden
NPPFC /T X/3 1 1/	TX	Arco Oil & Gas Co.	East Rhodes
NPPFC /T X/4 1 3/	TX	Arco Oil & Gas Co.	El Dorado
NPPFC /T X/ / /	TX	Arco Oil & Gas Co.	Fashing
NPPFC /T X/2 9 1/	TX	Arco Oil & Gas Co.	Hull
NPPFC /T X/1 8 3/	TX	Arco Oil & Gas Co.	Longview
NPPFC /T X/3 2 9/	TX	Arco Oil & Gas Co.	
NPPFC /T X/2 4 7/	TX	Arco Oil & Gas Co.	Northeast Thompsonv
NPPFC /T X/2 9 7/	TX	Arco Oil & Gas Co.	Nueces River
NPPFC /T X/4 0 1/	TX	Arco Oil & Gas Co.	Price
NPPFC /T X/3 9 1/	TX	Arco Oil & Gas Co.	
NPPFC /T X/3 1 1/	TX	Arco Oil & Gas Co.	Roos
NPPFC /T X/1 9 9/	TX	Arco Oil & Gas Co.	Silsbee
NPPFC /T X/4 0 9/	TX	Arco Oil & Gas Co.	Taft
NPPFC /T X/3 1 5/	TX	Arkansas Louisiana Gas Co.	Jefferson
NPPFC /T X/2 0 3/	TX	Arkansas Louisiana Gas Co.	Waskom
NPPFC /T X/1 8 3/	TX	Arkansas Louisiana Gas Co.	Willow Springs
NPPFC /T X/4 5 1/	TX	Beacon Gasoline Co.	Strawn
NPPFC /T X/3 8 3/	TX	Big Lake Gas Corp.	Barnhart
NPPFC /T X/2 3 7/	TX	Blackhawk Gasoline Corp.	
NPPFC /T X/4 2 9/	TX	Breckenridge Gasoline Co.	Eliasville
NPPFC /T X/0 6 7/	TX	Breckenridge Gasoline Co.	Lodi
NPPFC /T X/4 7 5/	TX	Cabot Corp	Estes
NPPFC /T X/1 7 9/	TX	Cabot Corp.	Kingsmill
NPPFC /T X/4 9 5/	TX	Cabot Corp.	Walton
NPPFC /T X/3 3 9/	TX	Champlin Petroleum Co.	Conroe
NPPFC /T X/3 6 5/	TX	Champlin Petroleum Co.	East Texas
NPPFC /T X/3 5 5/	TX	Champlin Petroleum Co.	Gulf Plains

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /T X/2 7 3/	TX	Chevron USA Inc.	Chevron
NPPFC /T X/4 9 5/	TX	Chevron USA Inc.	Kermit
NPPFC /T X/4 1 5/	TX	Chevron USA Inc.	North Snyder
NPPFC /T X/	TX	Chevron USA Inc.	Sherman
NPPFC /T X/0 9 7/	TX	Chevron USA Inc.	Sivells Bend
NPPFC /T X/4 9 7/	TX	Cities Service Co.	Chico
NPPFC /T X/4 0 9/	TX	Cities Service Co.	Corpus Bay
NPPFC /T X/1 8 3/	TX	Cities Service Co.	East Texas
NPPFC /T X/1 3 5/	TX	Cities Service Co.	
NPPFC /T X/1 7 9/	TX	Cities Service Co.	Lefors
NPPFC /T X/2 7 3/	TX	Cities Service Co.	May
NPPFC /T X/0 7 1/	TX	Cities Service Co.	Mont Belviewfract.
NPPFC /T X/	TX	Cities Service Co.	Henry Griffin
NPPFC /T X/4 6 7/	TX	Cities Service Co.	Myrtle Springs
NPPFC /T X/1 7 9/	TX	Cities Service Co.	Pampa
NPPFC /T X/3 6 5/	TX	Cities Service Co.	
NPPFC /T X/3 2 9/	TX	Cities Service Co.	Roberts Ranch
NPPFC /T X/3 5 5/	TX	Cities Service Co.	Robstown
NPPFC /T X/0 5 7/	TX	Cities Service Co.	San Antonio Bay
NPPFC /T X/4 3 3/	TX	Cities Service Co.	
NPPFC /T X/1 1 5/	TX	Cities Service Co.	Welch
NPPFC /T X/1 0 5/	TX	Cities Service Co.	West World
NPPFC /T X/1 6 5/	TX	Cities Service Co.	West Seminole
NPPFC /T X/4 1 7/	TX	Coastal States Gas Producing	Albany
NPPFC /T X/4 7 9/	TX	Coastal States Gas Producing	Freer
NPPFC /T X/2 1 5/	TX	Coastal States Gas Producing	
NPPFC /T X/2 1 5/	TX	Coastal States Gas Producing	Mission
NPPFC /T X/4 2 7/	TX	Coates	Jay Simmons?
NPPFC /T X/3 4 1/	TX	Colorado Interstate Gas Co.	Bivins
NPPFC /T X/1 2 7/	TX	Continental Oil Co.	Chittim
NPPFC /T X/1 5 1/	TX	Continental Oil Co.	Hamlin
NPPFC /T X/	TX	Continental Oil Co.	Port
NPPFC /T X/3 8 9/	TX	Continental Oil Co.	Ramsey
NPPFC /T X/4 2 7/	TX	Continental Oil Co.	Rincon
NPPFC /T X/4 1 3/	TX	CRA Inc.	Eldorado
NPPFC /T X/2 3 5/	TX	CRA Inc.	Mertzou
NPPFC /T X/4 9 9/	TX	CRA Inc.	Quitman
NPPFC /T X/4 3 3/	TX	Dalco Services Inc.	Aspermont
NPPFC /T X/3 3 7/	TX	Davis J.L.	Dowie
NPPFC /T X/1 0 5/	TX	Delta Drilling Co.	Ozona
NPPFC /T X/3 4 1/	TX	Diamond Shamrock Corp.	McKee
NPPFC /T X/0 6 5/	TX	Dorchester Gas Producing Co.	Cargray
NPPFC /T X/4 3 1/	TX	Dorchester Gas Producing Co.	
NPPFC /T X/3 8 3/	TX	Dorchester Gas Producing Co.	Texon
NPPFC /T X/2 0 3/	TX	Dorchester Gas Producing Co.	Woodlawn
NPPFC /T X/4 8 5/	TX	Eagle Petroleum Corp	Rocky Point

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /T X/ /	TX	Eagle Petroleum Corp	
NPPFC /T X/3 8 3/	TX	El Paso Natural Gas Co.	Midkiff
NPPFC /T X/3 7 1/	TX	El Paso Natural Gas Co.	Santa Rosa
NPPFC /T X/4 7 5/	TX	El Paso Natural Gas Co.	Sealy Smith
NPPFC /T X/3 5 3/	TX	El Paso Natural Gas Co.	Westlake
NPPFC /T X/4 6 1/	TX	El Paso Natural Gas Co.	Wilshire
NPPFC /T X/4 5 1/	TX	Enserch Exploration Inc.	Carlsbad
NPPFC /T X/2 7 5/	TX	Enserch Exploration Inc.	Gilliland
NPPFC /T X/3 6 3/	TX	Enserch Exploration Inc.	Gordon
NPPFC /T X/3 1 3/	TX	Enserch Exploration Inc.	Madisonville
NPPFC /T X/1 5 7/	TX	Enserch Exploration Inc.	Needville
NPPFC /T X/1 3 3/	TX	Enserch Exploration Inc.	Pueblo
NPPFC /T X/1 3 3/	TX	Enserch Exploration Inc.	Ranger
NPPFC /T X/2 8 9/	TX	Enserch Exploration Inc.	Red Oak
NPPFC /T X/4 3 5/	TX	Enserch Exploration Inc.	Sonora
NPPFC /T X/ / /	TX	Enserch Exploration Inc.	Springtown
NPPFC /T X/2 1 3/	TX	Enserch Exploration Inc.	Trinidad
NPPFC /T X/4 2 3/	TX	Etexas Producers Gas Co.	Chapel Hill
NPPFC /T X/0 7 1/	TX	Exxon Co. USA	Anahuac
NPPFC /T X/2 0 1/	TX	Exxon Co. USA	Clear Lake
NPPFC /T X/3 3 9/	TX	Exxon Co. USA	Conroe
NPPFC /T X/4 0 1/	TX	Exxon Co. USA	East Texas
NPPFC /T X/4 9 9/	TX	Exxon Co. USA	Hawkins
NPPFC /T X/0 5 7/	TX	Exxon Co. USA	Heyser
NPPFC /T X/0 1 3/	TX	Exxon Co. USA	Jourdanton
NPPFC /T X/4 7 3/	TX	Exxon Co. USA	Katy
NPPFC /T X/0 5 7/	TX	Exxon Co. USA	Kellers Bay
NPPFC /T X/0 4 7/	TX	Exxon Co. USA	Kelsey
NPPFC /T X/2 7 3/	TX	Exxon Co. USA	King Ranch
NPPFC /T X/0 7 3/	TX	Exxon Co. USA	Neches
NPPFC /T X/1 3 1/	TX	Exxon Co. USA	NE Loma Novia
NPPFC /T X/0 3 9/	TX	Exxon Co. USA	Pledger
NPPFC /T X/4 7 5/	TX	Exxon Co. USA	Pyote
NPPFC /T X/1 0 3/	TX	Exxon Co. USA	Sand Hills
NPPFC /T X/0 4 7/	TX	Exxon Co. USA	Santa Fe
NPPFC /T X/2 6 1/	TX	Exxon Co. USA	Sarita
NPPFC /T X/1 5 7/	TX	Exxon Co. USA	Thompson
NPPFC /T X/2 0 1/	TX	Exxon Co. USA	Tomball
NPPFC /T X/3 9 1/	TX	Exxon Co. USA	Tom O'Connor
NPPFC /T X/2 6 3/	TX	General Crude Oil Co.	Salt Creek
NPPFC /T X/4 8 3/	TX	Gerlane Petroleum Co.	Mobeetie
NPPFC /T X/2 2 7/	TX	Getty Oil Co.	East Vealmor
NPPFC /T X/1 0 3/	TX	Getty Oil Co.	El Paso
NPPFC /T X/1 3 5/	TX	Getty Oil Co.	Headlee
NPPFC /T X/1 3 5/	TX	Getty Oil Co.	Headlee Devonian
NPPFC /T X/1 7 9/	TX	Getty Oil Co.	Kingsmill

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /T X/1 5 9/	TX	Getty Oil Co.	New Hope
NPPFC /T X/0 2 5/	TX	Getty Oil Co.	Normanna
NPPFC /T X/0 6 5/	TX	Getty Oil Co.	Shafer
NPPFC /T X/3 5 7/	TX	Getty Oil Co.	Spearmen
NPPFC /T X/0 7 1/	TX	Getty Oil Co.	Umbrella Point
NPPFC /T X/2 3 3/	TX	Getty Oil Co.	Watkins
NPPFC /T X/4 8 1/	TX	Getty Oil Co.	West Bernard
NPPFC /T X/3 6 3/	TX	Gulf Energy Processing Corp.	
NPPFC /T X/4 2 7/	TX	Gulf Energy Processing Corp.	Rio Grande
NPPFC /T X/ /	TX	Gulf Energy Processing Corp.	Runge
NPPFC /T X/2 0 1/	TX	HNG Petrochemicals Inc.	Bammel
NPPFC /T X/4 0 9/	TX	HNG Petrochemicals Inc.	Gregory
NPPFC /T X/0 3 9/	TX	HNG Petrochemicals Inc.	Liverpool
NPPFC /T X/0 4 7/	TX	HNG Petrochemicals Inc.	Loma Blanca
NPPFC /T X/3 5 5/	TX	HNG Petrochemicals Inc.	Robstown
NPPFC /T X/4 3 5/	TX	HNG Petrochemicals Inc.	Sonora
NPPFC /T X/0 2 5/	TX	HNG Petrochemicals Inc.	Tuleta
NPPFC /T X/ /	TX	HNG Petrochemicals Inc.	Victoria
NPPFC /T X/2 8 7/	TX	Houston Oil & Minerals Corp.	Giddings
NPPFC /T X/0 7 1/	TX	Houston Oil & Minerals Corp.	Smith's Point
NPPFC /T X/2 9 1/	TX	Houston Oil & Minerals Corp.	South Liberty
NPPFC /T X/1 6 7/	TX	Houston Oil & Minerals Corp.	Texas City Dike
NPPFC /T X/3 7 1/	TX	Hunt Estate	Pecos Valley
NPPFC /T X/2 1 3/	TX	Hunt Oil Co.	Fairway No. 3
NPPFC /T X/1 0 5/	TX	Indian Wells Oil Co.	Ozona SW
NPPFC /T X/2 3 5/	TX	Irion County Plant Operators	Rocker B-11
NPPFC /T X/2 1 1/	TX	Kerr-McGee Corp.	Hobart Ranch
NPPFC /T X/1 7 9/	TX	Kerr-McGee Corp.	Pampa
NPPFC /T X/4 3 1/	TX	Koch Industries Inc.	
NPPFC /T X/0 8 9/	TX	Liquid Products Recovery Inc.	East Ramsey
NPPFC /T X/3 5 5/	TX	LoVaca Gathering Co.	Corpus Christi
NPPFC /T X/1 2 3/	TX	LoVaca Gathering Co.	Gholke
NPPFC /T X/0 2 9/	TX	LoVaca Gathering Co.	San Antonio
NPPFC /T X/2 3 3/	TX	Mapco Inc.	Westpan 950
NPPFC /T X/2 3 3/	TX	Mapco Inc.	Westpan 1000
NPPFC /T X/3 2 1/	TX	Marathon Oil Co.	Markham
NPPFC /T X/4 5 1/	TX	Marathon Oil Co.	Susan Peak
NPPFC /T X/4 0 9/	TX	Marathon Oil Co.	Welder
NPPFC /T X/3 7 1/	TX	Marathon Oil Co.	Yates
NPPFC /T X/ /	TX	Marathon Oil Co.	Ewan Cameron
NPPFC /T X/0 5 9/	TX	Matrix Land Co.	Box-Elmdale
NPPFC /T X/4 4 1/	TX	Matrix Land Co.	Tuscola
NPPFC /T X/2 3 7/	TX	Mitchell Energy & Dev. Corp.	Barton Chapel
NPPFC /T X/1 3 3/	TX	Mitchell Energy & Dev. Corp.	Cisco

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /T X/4 3 5/	TX	Mitchell Energy & Dev. Corp.	Devil's River
NPPFC /T X/1 6 7/	TX	Mitchell Energy & Dev. Corp.	
NPPFC /T X/2 3 7/	TX	Mitchell Energy & Dev. Corp.	Gibtown
NPPFC /T X/1 4 3/	TX	Mitchell Energy & Dev. Corp.	Huckabay No. 1
NPPFC /T X/1 4 3/	TX	Mitchell Energy & Dev. Corp.	Huckabay No. 2
NPPFC /T X/	TX	Mitchell Energy & Dev. Corp.	La Sal Vieja
NPPFC /T X/	TX	Mitchell Energy & Dev. Corp.	Lone Camp No. 1
NPPFC /T X/	TX	Mitchell Energy & Dev. Corp.	Lone Camp No. 2
NPPFC /T X/3 6 3/	TX	Mitchell Energy & Dev. Corp.	Lone Camp No. 3
NPPFC /T X/3 6 3/	TX	Mitchell Energy & Dev. Corp.	Lone Camp No. 4
NPPFC /T X/0 0 7/	TX	Mitchell Energy & Dev. Corp.	Mesquite Bay
NPPFC /T X/3 6 3/	TX	Mitchell Energy & Dev. Corp.	Mineral Wells No. 1
NPPFC /T X/1 2 1/	TX	Mitchell Energy & Dev. Corp.	Ponder
NPPFC /T X/1 3 3/	TX	Mitchell Energy & Dev. Corp.	Ranger No. 1
NPPFC /T X/1 3 3/	TX	Mitchell Energy & Dev. Corp.	Ranger No. 2
NPPFC /T X/3 7 3/	TX	Mitchell Energy & Dev. Corp.	Seven Oaks
NPPFC /T X/4 3 5/	TX	Mitchell Energy & Dev. Corp.	
NPPFC /T X/2 1 1/	TX	Mobil Oil Corp.	Canadian
NPPFC /T X/3 7 1/	TX	Mobil Oil Corp.	Coyanosa
NPPFC /T X/1 3 3/	TX	Mobil Oil Corp.	Desdemona
NPPFC /T X/4 8 7/	TX	Mobil Oil Corp.	Electra
NPPFC /T X/1 3 1/	TX	Mobil Oil Corp.	Hagist
NPPFC /T X/2 4 9/	TX	Mobil Oil Corp.	LaGloria
NPPFC /T X/3 2 9/	TX	Mobil Oil Corp.	Pegasus
NPPFC /T X/2 4 9/	TX	Mobil Oil Corp.	Seeligson
NPPFC /T X/2 3 9/	TX	Mobil Oil Corp.	Vanderbilt
NPPFC /T X/3 7 1/	TX	Mobil Oil Corp.	Waha
NPPFC /T X/2 8 5/	TX	Mobil Oil Corp.	Wilcox
NPPFC /T X/4 1 5/	TX	Monsanto Co.	Diamond 'M'
NPPFC /T X/2 3 3/	TX	Natural Gas Pipe. Co. of Am.	PP161
NPPFC /T X/3 4 1/	TX	Natural Gas Pipe. Co. of Am.	PP162
NPPFC /T X/2 2 1/	TX	Northern Gas Products	Lipan
NPPFC /T X/3 1 7/	TX	Northern Gas Products	No. 1
NPPFC /T X/3 1 7/	TX	Northern Gas Products	No. 2
NPPFC /T X/3 5 7/	TX	Northern Natural Gas Co.	Speaman
NPPFC /T X/1 3 5/	TX	Odessa Natural Corp.	Foster
NPPFC /T X/1 0 5/	TX	Ozona Gasoline Plant Operator	Ozona
NPPFC /T X/2 3 7/	TX	Palo Pinto Oil & Gas Co.	Markley
NPPFC /T X/4 0 1/	TX	Parade Co.	Giles
NPPFC /T X/4 9 9/	TX	Permian Corp.	Alba
NPPFC /T X/4 2 9/	TX	Permian Corp.	Possum Kingdom
NPPFC /T X/1 0 5/	TX	Permian Corp.	Todd
NPPFC /T X/3 7 1/	TX	Perry Gas Processors Inc.	Bakersfield
NPPFC /T X/3 7 1/	TX	Perry Gas Processors Inc.	Barstow
NPPFC /T X/1 2 7/	TX	Perry Gas Processors Inc.	

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /T X/3 7 1/	TX	Perry Gas Processors Inc.	Hokit
NPPFC /T X/2 8 3/	TX	Perry Gas Processors Inc.	
NPPFC /T X/4 7 5/	TX	Perry Gas Processors Inc.	Pyote Devonian
NPPFC /T X/4 7 5/	TX	Perry Gas Processors Inc.	Pyote Ellenberger
NPPFC /T X/1 3 1/	TX	Perry Gas Processors Inc.	Rosita
NPPFC /T X/2 4 7/	TX	Perry Gas Processors Inc.	Thompsonville
NPPFC /T X/4 1 7/	TX	Petroleum Corp. of Texas	Ibex
NPPFC /T X/5 0 3/	TX	Petroleum Corp. of Texas	South Bend
NPPFC /T X/1 0 3/	TX	PGP Gas Products Inc.	Imperial
NPPFC /T X/1 0 3/	TX	Phillips Petroleum Co.	Adamc
NPPFC /T X/0 0 3/	TX	Phillips Petroleum Co.	
NPPFC /T X/4 6 1/	TX	Phillips Petroleum Co.	Benedum
NPPFC /T X/0 3 9/	TX	Phillips Petroleum Co.	
NPPFC /T X/1 0 3/	TX	Phillips Petroleum Co.	
NPPFC /T X/3 4 1/	TX	Phillips Petroleum Co.	Dumas
NPPFC /T X/0 0 3/	TX	Phillips Petroleum Co.	Fullerton
NPPFC /T X/1 3 5/	TX	Phillips Petroleum Co.	Goldsmith
NPPFC /T X/1 7 9/	TX	Phillips Petroleum Co.	
NPPFC /T X/1 9 5/	TX	Phillips Petroleum Co.	
NPPFC /T X/4 0 1/	TX	Phillips Petroleum Co.	Henderson
NPPFC /T X/0 5 5/	TX	Phillips Petroleum Co.	Luling
NPPFC /T X/1 7 9/	TX	Phillips Petroleum Co.	North
NPPFC /T X/2 3 3/	TX	Phillips Petroleum Co.	Pantex
NPPFC /T X/3 7 1/	TX	Phillips Petroleum Co.	Puckett
NPPFC /T X/2 3 3/	TX	Phillips Petroleum Co.	Rock Creek
NPPFC /T X/2 3 3/	TX	Phillips Petroleum Co.	Sanford
NPPFC /T X/1 9 5/	TX	Phillips Petroleum Co.	Sherman
NPPFC /T X/3 4 1/	TX	Phillips Petroleum Co.	Sneed
NPPFC /T X/4 2 9/	TX	Phillips Petroleum Co.	Spraberry
NPPFC /T X/2 1 1/	TX	Pioneer Gas Products Co.	Arrington
NPPFC /T X/1 3 5/	TX	Pioneer Gas Products Co.	East Goldsmith
NPPFC /T X/3 7 5/	TX	Pioneer Gas Products Co.	Fain
NPPFC /T X/1 7 9/	TX	Pioneer Gas Products Co.	Pampa
NPPFC /T X/3 7 5/	TX	Pioneer Gas Products Co.	Turkey Creek
NPPFC /T X/0 6 7/	TX	Shell Oil Co.	Bryans Mill
NPPFC /T X/1 9 7/	TX	Shell Oil Co.	Conley
NPPFC /T X/0 8 9/	TX	Shell Oil Co.	Houston Central
NPPFC /T X/1 0 3/	TX	Shell Oil Co.	NW Ozona
NPPFC /T X/2 5 5/	TX	Shell Oil Co.	Person
NPPFC /T X/1 0 5/	TX	Shell Oil Co.	Tippett
NPPFC /T X/1 3 5/	TX	Shell Oil Co.	TXL
NPPFC /T X/5 0 1/	TX	Shell Oil Co.	Wasson
NPPFC /T X/4 9 5/	TX	S. Richardson Car. & Gas. Co.	Halley
NPPFC /T X/4 9 5/	TX	S. Richardson Car. & Gas. Co.	Keystone
NPPFC /T X/3 8 3/	TX	SW Forest Gas Gathering Co.	Rocker Bl

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /T X/3 8 3/	TX	Stiles Plant Operators	Stiles
NPPFC /T X/1 6 3/	TX	Suburban Propane Gas Corp.	Martha F. Berry
NPPFC /T X/1 2 7/	TX	Sun Gas Co.	Big Wells
NPPFC /T X/0 9 5/	TX	Sun Gas Co.	
NPPFC /T X/0 8 1/	TX	Sun Gas Co.	Jameson
NPPFC /T X/0 4 1/	TX	Sun Gas Co.	Kurten
NPPFC /T X/3 5 5/	TX	Sun Gas Co.	Luby
NPPFC /T X/4 0 9/	TX	Sun Gas Co.	Red Fish Bay
NPPFC /T X/4 1 5/	TX	Sun Gas Co.	Snyder
NPPFC /T X/4 2 7/	TX	Sun Gas Co.	Sun
NPPFC /T X/2 4 9/	TX	Sun Gas Co.	Tijerina-Canales
NPPFC /T X/4 6 9/	TX	Sun Gas Co.	
NPPFC /T X/4 0 9/	TX	Superior Oil Co.	Portilla
NPPFC /T X/0 8 9/	TX	Tenneco Oil Co.	Chesterville
NPPFC /T X/3 2 1/	TX	Tenneco Oil Co.	Leabo
NPPFC /T X/2 1 5/	TX	Tenneco Oil Co.	Ward
NPPFC /T X/3 2 1/	TX	Texaco Inc.	Blessing
NPPFC /T X/0 4 7/	TX	Texaco Inc.	Encinitas
NPPFC /T X/4 1 5/	TX	Texaco Inc.	Fuller
NPPFC /T X/1 8 1/	TX	Texaco Inc.	Handy
NPPFC /T X/2 0 1/	TX	Texaco Inc.	Humble
NPPFC /T X/1 1 5/	TX	Texaco Inc.	Lamesa
NPPFC /T X/4 7 5/	TX	Texaco Inc.	Lockridge
NPPFC /T X/0 0 3/	TX	Texaco Inc.	Mabee
NPPFC /T X/1 0 5/	TX	Texaco Inc.	Ozona
NPPFC /T X/4 9 5/	TX	Texaco Inc.	South Kermit
NPPFC /T X/3 7 1/	TX	Texas Oil & Gas Corp.	Coyanosa
NPPFC /T X/1 2 1/	TX	Texas Oil & Gas Corp.	
NPPFC /T X/3 1 5/	TX	Texas Oil & Gas Corp.	East Texas
NPPFC /T X/0 5 9/	TX	Texas Oil & Gas Corp.	Shackelford
NPPFC /T X/1 5 1/	TX	Tipperary Corp.	Claytonville
NPPFC /T X/1 6 3/	TX	Tipperary Corp.	Pearsal
NPPFC /T X/0 6 5/	TX	Tuco Inc.	
NPPFC /T X/0 0 3/	TX	Union Oil Co. of California	Bakke
NPPFC /T X/0 0 3/	TX	Union Oil Co. of California	Dollarhide
NPPFC /T X/2 2 5/	TX	Union Oil Co. of California	Fort Trinidad
NPPFC /T X/4 6 7/	TX	Union Oil Co. of California	Van
NPPFC /T X/4 6 1/	TX	Union Texas Petroleum	Benedum
NPPFC /T X/0 8 1/	TX	Union Texas Petroleum	Perkins
NPPFC /T X/1 6 5/	TX	Union Texas Petroleum	SE Seminole
NPPFC /T X/1 8 1/	TX	Union Texas Petroleum	Walnut Bend-Sandusk
NPPFC /T X/4 4 5/	TX	Union Texas Petroleum	Wellman
NPPFC /T X/0 7 1/	TX	United Texas Transmission Co.	Galveston
NPPFC /T X/4 9 7/	TX	Upham Oil & Gas Co.	Upham
NPPFC /T X/1 6 9/	TX	Ventech Engineers Inc.	Ventech-Garza

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /T X/3 2 9/	TX	Warren Petroleum Co.	Azalea
NPPFC /T X/4 2 9/	TX	Warren Petroleum Co.	Breckenridge
NPPFC /T X/4 9 7/	TX	Warren Petroleum Co.	Bridgeport
NPPFC /T X/2 1 1/	TX	Warren Petroleum Co.	Canadian
NPPFC /T X/2 2 3/	TX	Warren Petroleum Co.	Como
NPPFC /T X/4 0 9/	TX	Warren Petroleum Co.	Encinal
NPPFC /T X/2 4 5/	TX	Warren Petroleum Co.	Fannett
NPPFC /T X/	TX	Warren Petroleum Co.	Fashing
NPPFC /T X/1 8 3/	TX	Warren Petroleum Co.	Gladewater
NPPFC /T X/3 1 7/	TX	Warren Petroleum Co.	Glass
NPPFC /T X/3 7 1/	TX	Warren Petroleum Co.	Gonzalez
NPPFC /T X/4 9 5/	TX	Warren Petroleum Co.	Halley
NPPFC /T X/4 8 3/	TX	Warren Petroleum Co.	McLean
NPPFC /T X/4 7 5/	TX	Warren Petroleum Co.	Monahans
NPPFC /T X/1 5 7/	TX	Warren Petroleum Co.	Moore's Orchard
NPPFC /T X/3 6 1/	TX	Warren Petroleum Co.	Nort Port Neches
NPPFC /T X/1 0 3/	TX	Warren Petroleum Co.	Sand Hills
NPPFC /T X/4 1 7/	TX	Warren Petroleum Co.	
NPPFC /T X/	TX	Warren Petroleum Co.	Spear
NPPFC /T X/4 4 5/	TX	Warren Petroleum Co.	
NPPFC /T X/2 2 1/	TX	Warren Petroleum Co.	Tolar
NPPFC /T X/2 1 1/	TX	Warren Petroleum Co.	Tonkawa
NPPFC /T X/	TX	Warren Petroleum Co.	Waddell
NPPFC /T X/4 7 5/	TX	Warren Petroleum Co.	Worsham
NPPFC /T X/1 1 5/	TX	Warren Petroleum Co.	Wright
NPPSS /U T/b b b/b b b b b b		Aggregated UT Processing Plants	
NPPFC /U T/O 4 7/	UT	Chevron U.S.S. Inc.	Red Wash
NPPFC /U T/O 3 7/	UT	El Paso Natural Gas Co.	Aneth
NPPFC /U T/O 1 3/	UT	Gary Operating Co.	Altonah
NPPFC /U T/O 1 3/	UT	Gary Operating Co.	Bluebell
NPPFC /U T/O 1 3/	UT	Koch Industries Inc.	Cedar Rim
NPPFC /U T/O 4 3/	UT	Quasar Energy Inc.	Pineview
NPPFC /U T/O 1 3/	UT	Shell Oil Co.	Altamont
NPPFC /U T/U 3 7/	UT	Union Oil Co. of CA	Liston
NPPSS /W V/b b b/b b b b b b		Aggregated WV Processing Plants	
NPPFC /W V/O 3 9/	WV	Columbia Gas Transmission	Cobb
NPPFC /W V/O 9 9/	WV	Columbia Gas Transmission	Kenova
NPPFC /W V/1 0 3/	WV	Consolidated Gas Supply Co.	Hastings
NPPFC /W Y/O 3 7/	WY	Amoco Production Co.	Bairoil
NPPFC /W Y/O 1 3/	WY	Amoco Production Co.	Beaver Creek Phosph
NPPFC /W Y/O 1 3/	WY	Amoco Production Co.	Beaver Creek
NPPFC /W Y/O 2 9/	WY	Amoco Production Co.	Elk Basin
NPPFC /W Y/O 4 1/	WY	Amoco Production Co.	Ryckman Creek

U.S. Natural Gas Processing Plants (cont'd.)

	State	Company Name	Town
NPPFC /W Y/O 0 5/	WY	Arco Oil & Gas Co.	Gillette
NPPFC /W Y/O 1 3/	WY	Arco Oil & Gas Co.	Riverton Dome
NPPFC /W Y/O 3 7/	WY	Champlin Petroleum Co.	Brady
NPPFC /W Y/O 0 9/	WY	Champlin Petroleum Co.	Manning
NPPFC /W Y/O 3 7/	WY	Champlin Petroleum Co.	Patrick Draw
NPPFC /W Y/O 3 5/	WY	Chevron U.S.A. Inc.	Birch Creek
NPPFC /W Y/O 0 5/	WY	Cities Service Co.	Thundercreek
NPPFC /W Y/O 0 7/	WY	Colorado Interstate Gas Co.	Rawlins
NPPFC /W Y/O 1 9/	WY	Continental Oil Co.	Sussex
NPPFC /W Y/O 0 5/	WY	CRA Inc.	Joe Creek
NPPFC /W Y/O 0 5/	WY	CRA Inc.	Lazy B
NPPFC /W Y/O 3 7/	WY	Gaw Producing Enterprises	Patrick Draw
NPPFC /W Y/O 0 5/	WY	Ginther Gas Processing Plts.	Rozet
NPPFC /W Y/O 0 5/	WY	Ginther Gas Processing Plts.	Springen Ranch
NPPFC /W Y/O 2 9/	WY	Husky Oil Co.	Ralston
NPPFC /W Y/O 2 5/	WY	Kansas-Nebraska Nat. Gas Co.	Caspar
NPPFC /W Y/O 0 9/	WY	Kansas-Nebraska Nat. Gas Co.	Flat Top
NPPFC /W Y/O 2 7/	WY	Marathon Oil Co.	Lance Creek
NPPFC /W Y/O 0 7/	WY	Marathon Oil Co.	Rock River
NPPFC /W Y/O 0 5/	WY	McCullough Gas Processing	Hilight
NPPFC /W Y/O 0 5/	WY	McCullough Gas Processing	Oedekoven
NPPFC /W Y/O 0 5/	WY	McCullough Gas Processing	Rocky Point
NPPFC /W Y/O 0 9/	WY	McCullough Gas Processing	Well Draw
NPPFC /W Y/O 0 9/	WY	Mitchell Energy & Dev. Corp.	
NPPFC /W Y/O 4 1/	WY	Mountain Fuel Supply Co.	Church Buttes
NPPFC /W Y/O 0 5/	WY	Natomas North American Inc.	Recluse
NPPFC /W Y/O 2 3/	WY	Northwest Pipeline Corp.	Opal
NPPFC /W Y/O 0 9/	WY	Phillips Petroleum Co.	Douglas
NPPFC /W Y/O 0 9/	WY	Quasar Energy Inc.	Spearhead
NPPFC /W Y/O 2 9/	WY	Ralston Processing Assoc.	Oregon Basin
NPPFC /W Y/O 2 5/	WY	Sun Gas Co.	Grieve
NPPFC /W Y/O 0 9/	WY	Sun Gas Co.	Powell
NPPFC /W Y/O 3 7/	WY	Texaco	Table Rock
NPPFC /W Y/O 4 3/	WY	Union Oil Co. of CA	Worldand

Table 4
LNG Terminals

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Position

1 Facility sector
N = Natural Gas

2-3 Facility function
LG = Liquid Natural Gas Terminal

4 Facility level
F = Facility

5 Geographic code level
S = State

6 Region code

7-8 State postal code

9-11 FIPS county code

12-17 6-digit facility identifier

b = blank

Facility Codes
LNG Terminals

	Town	State
N / L G / F / S / / M D / b b b / 1 3 0 3 b b	Love Point	Maryland
N / L G / F / S / / G A / b b b / 1 7 0 3 b b	Elba Island	Georgia
N / L G / F / S / / M A / b b b / 0 4 0 1 b b	Everett	Massachusetts
N / L G / F / S / / L A / b b b / 2 1 0 5 b b	Lake Charles	Louisiana