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*Department Defined File Format*

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Effective: February 2010

## Department Defined File Format

Five of the annual invoicing reports are available in an optional electronic format. These are the detail reports for each of:

### Introduction

- Corporate Effective Royalty Rate
- Facility Effective Royalty Rate
- Annual Custom Processing Net of Operating Costs
- Annual Capital Cost Allowance
- Annual Operating Cost Allowance

The summary reports are only available on paper.

### Purpose

The purpose of this document is to provide technical staff with knowledge of how the DDF files are formatted. The business meaning of each of the fields in the DDF will not be described in this document.

### Who Should Read This?

Technical staff responsible for leading DDF files into Gas Royalty Client system.

### Before You Start

Refer to the printed format of each of the three reports. The DDF is based on the printed format and a basic familiarity with the printed format will assist you when trying to determine how the DDF is formatted.

The DDF format is an attempt to closely follow the format of the printed report, without representation of values that can be summed from other records. In general, the DDF does not follow EDI standards for User Defined Files. Three EDI concepts, however, are used in the DDF format:

### **Overview**

1. Order of records determines relationship. For example, product records follow the facility to which they refer.
2. Each record type is identified by a unique number a fixed distance from the beginning of the record. In the case of the DDF the record type is in position 1 and 2.
3. Each record type is used consistently across all DDF files.

### **Determining the Type of DDF File**

The type of DDF file can be determined by the name of the file. The CERR file contains the letters CERR, the Capital Cost Allowance filename contains the letters CCARPT and the Custom Processing Net of Operating Costs file contains the letters CPNTOP. The FERR filename contains the letters FERR, and the Operating Cost Allowance filename contains the letters OPARPT.

Files are delivered to the Petroleum Registry of Alberta.

### **Determining File Type By Examining Its Contents**

The type of the file can be determined by examining the contents of the file for the presence of particular data records. By examining the fifth record of each file you should be able to uniquely determine what type of DDF file you are reading. The fifth record of the CERR or FERR file is a Royalty Rate Product Record (Record type 13), the fifth record of the CP file is a CP Product Record (Record type 12), the fifth record of the OP file is an FCC Op Costs Record (Record type 14) while the fifth record of a CCA file is a FCC Facility Record (Record type 11).

**Hierarchy of Records**

The hierarchical relationship amongst the records is determined by their position with the file. Therefore, the first record is the Royalty Payer Record since all subsequent information (the entire file) refers to the Royalty Payer. The second record is the Production Period Year

Record. There is a separate Production Period Year Record before any data for that year.

**Note:**

Since the first release of DDF files will be for 1994 there will only be one Production Period Year Record in each DDF file until annual invoicing is issued for production year 1995.

Each record type is identified by the first two characters of the record. These two characters are always numeric. The format of each record type is consistent across all DDF files.

There are eleven different record types as follows:

**Record Type Identification**

Record Id	Record Name	CERR	FERR	CP	CCA	OP
01	Royalty Payer	YES	YES	YES	YES	YES
02	Production Period Year	YES	YES	YES	YES	YES
03	Royalty Client	YES	YES	YES	YES	YES
04	ERCB Facility	YES	YES	YES	YES	YES
11	FCC Facility				YES	
12	CP Product			YES		
13	Royalty Rate Product	YES	YES			
14	FCC Op Costs					YES
21	AC3 Allocation To				YES	YES
22	AC3 Allocation From				YES	YES
23	CP Total			YES		
25	Royalty Rate Adjustments	YES	YES			
99	Record Count	YES	YES	YES	YES	YES

In the description in this and following sections the indentation normally indicates that there are one or more records for each of the previous records. Exceptions are noted.

The CP file consists of the records arranged as follows:

**Annual Custom  
Processing Net Of  
Operating Costs**

- 01** Royalty Payer Record
  - 02** Production Period Year Record
    - 03** Royalty Client Record
      - 04** ERCB Facility Record
        - 12** CP Product Record
          - 23** CP Total Record
- 99** Record Count Record

Note that there is a one to one relationship between the 04 record and the 23 record.

The CCA file consists of the records arranged as follows:

**Annual Capital  
Cost Allowance**

- 01** Royalty Payer Record
  - 02** Production Period Year Record
    - 03** Royalty Client Record
      - 04** ERCB Facility Record
        - 11** FCC Facility Record
          - 21** AC3 Allocation To Record
            - 22** AC3 Allocation From Record
- 99** Record Count Record

Note that there may be zero or more of either the 21 or 22 records

The OPA file consists of the records arranged as follows:

**Annual Operating  
Cost Allowance**

- 01** Royalty Payer Record
  - 02** Production Period Year Record
    - 03** Royalty Client Record
      - 04** ERCB Facility Record
        - 14** FCC Op Costs Record
          - 22** AC3 Allocation From Record
            - 21** AC3 Allocation To Record
- 99** Record Count Record

Note that there may be zero or more of either the 21 or 22 records.

The CERR file consists of the records as follows:

**Corporate  
Effective Royalty  
Rate**

- 01** Royalty Payer Record
- 02** Production Period Year Record
- 03** Royalty Client Record
- 04** ERCB Facility Record
- 13** Royalty Rate Product Record
- 25** Royalty Rate Adjustments
- 99** Record Count Record

The FERR file consists of the records as follows:

**Facility Effective  
Royalty Rate**

- 01** Royalty Payer Record
- 02** Production Period Year Record
- 03** Royalty Client Record
- 04** ERCB Facility Record
- 13** Royalty Rate Product Record
- 25** Royalty Rate Adjustments
- 99** Record Count Record

### CP DDF File Layout

Record Name	Record Id Number	Field Number	Field Name	Field Width	Format	Comments
Royalty Payer Record	1	1	Record Id Number	2	99	01
		2	Invoice Number	22	9(22)	
		3	Invoice Date	8	yyyymmdd	
		4	Royalty Payer Id	7	X(7)	Business Associate ID
		5	Royalty Payer Name	36	C(36)	
		6	Royalty Payer Address	36	C(36)	
		7	Royalty Payer City	19	C(19)	
		8	Royalty Payer Province/State	2	CC	
		9	Royalty Payer Postal/Zip Code	9	C(9)	
		10	Reference Number	9	9(9)	
Production Period Year Record	2	1	Record Id Number	2	99	02
		2	Production Period Year	4	9(4)	YYYY
Royalty Client	3	1	Record Id Number	2	99	03

Record					
		2	Royalty Client Id	7	X(7) Business Associate ID
		3	Royalty Client Name	36	C(36)
ERCB Facility Record	4	1	Record Id Number	2	99 04
		2	ERCB Facility Province	2	CC AB, BC, SK
		3	ERCB Facility Type	2	CC GP,GS
		4	ERCB Facility Code	7	X(7)
		5	ERCB Facility Name	36	X(36)
CP Product Record	12	1	Record Id Number	2	99 12 – not produced beginning with 2009 production years
		2	Product	6	C(6) Gas or Gas product
		3	AC5 Custom Processing Fees Paid	17	9(14).9(2) Dollars
		4	AC5 Processed Volume	17	9(9).9(7) Volumes
		5	Facility Production	17	9(9).9(7) Volumes
		6	Energy Adjusted Gas Equivalent Factor	9	9.9(7) Factor
		7	Energy Adjusted Gas Equivalent Volume	17	9(9).9(7) Volume
		8	Compression	17	9(14).9(2) Dollars
		9	Gathering	17	9(14).9(2) Dollars



		10	Processing	17	9(14).9(2)	Dollars
		11	Operating Cost Reduction	17	9(14).9(2)	Dollars
		12	Default UOCR Indicator	1	X	* - indicating default UOCR or blank.
CP Total Record	23	1	Record Id Number	2	99	23
		2	AC5 Custom Processing Fees Paid	17	9(14).9(2)	Dollars
		3	Energy Adjusted Gas Equivalent Volume	17	9(9).9(7)	Volume
		4	UOCR	17	9(14).9(2)	Dollars
		5	Operating Cost Reduction	17	9(14).9(2)	Dollars
		6	CP Net of Operating Costs	17	9(14).9(2)	Dollars
Record Count Record	99	1	Record Id Number	2	99	99
		2	Record Count	9	9(9)	Number of records, not including the record, in this file.

### CCA DDF File Layout

Record Name	Record Id Number	Field Number	Field Name	Field Width	Format	Comments
Royalty Payer Record	1	1	Record Id Number	2	99	01
		2	Invoice Number	22	9(22)	
		3	Invoice Date	8	yyyymmdd	
		4	Royalty Payer Id	7	X(7)	Business Associate ID
		5	Royalty Payer Name	36	C(36)	
		6	Royalty Payer Address	36	C(36)	
		7	Royalty Payer City	19	C(19)	
		8	Royalty Payer Province/State	2	CC	
		9	Royalty Payer Postal/Zip Code	9	C(9)	
		10	Reference Number	9	9(9)	
Production Period Year Record	2	1	Record Id Number	2	99	02
		2	Production Period Year	4	9(4)	YYYY
Royalty Client Record	3	1	Record Id Number	2	99	03

		2	Royalty Client Id	7	X(7)	Business Associate ID
		3	Royalty Client Name	36	C(36)	
ERCB Facility Record	4	1	Record Id Number	2	99	04
		2	ERCB Facility Province	2	CC	AB, BC, SK
		3	ERCB Facility Type	2	CC	GP,GS
		4	ERCB Facility Code	7	X(7)	
		5	ERCB Facility Name	36	X(36)	
FCC Facility Record	11	1	Record Id Number	2	99	11
		2	FCC Id	8	C(8)	
		3	From Facility Province	2	CC	AB, BC, SK – populated beginning with 2009 production years only, and only when sending facility is different than the ERCB facility in record 4.
		4	From Facility Type	2	CC	GP, GS - populated beginning with 2009 production years only.

						and only when sending facility is different than the ERCB facility in record 4.
		5	From Facility Code	7	X(7)	populated beginning with 2009 production years only, and only when sending facility is different than the ERCB facility in record 4.
		6	Opening Capital Costs	17	9(14).9(2)	Dollars
		7	Capital Additions	17	9(14).9(2)	Dollars
		8	Number of months	2	99	1 to 12
		9	Remaining Useful Life	2	99	Years
		10	Depreciation	17	9(14).9(2)	Dollars
		11	Closing Capital Cost	17	9(14).9(2)	Dollars
		12	Land	17	9(14).9(2)	Dollars
		13	Average Spare Parts Inventory	17	9(14).9(2)	Dollars
		14	Retirements	17	9(14).9(2)	Dollars
		15	Capital Cost Allowance	17	9(14).9(2)	Dollars
		16	BA Distribution Percentage	11	9(3).9(7)	Percentage
		17	Facility Distribution Percentage	11	9(3).9(7)	Percentage – not populated for years

						before 2009
		18	Net Reallocation Percentage	12	9(4).9(7)	Percentage
		19	Net Capital Cost Allocation	17	9(14).9(2)	Dollars
		20	CCA Recalculation Flag	1	X	Value is * or blank.
AC3 Allocation To Record	21	1	Record Id Number	2	99	21
		2	Percentage To Another Client	11	9(3).9(7)	Percentage
		3	To Client Id	7	X(7)	Business Associate ID
		4	To Facility Province	2	CC	AB, BC, SK – not populated for years prior to 2009
		5	To Facility Type	2	CC	GP, GS – not populated for years prior to 2009
		6	To Facility ID	7	X(7)	To Facility ID – not populated for years prior to 2009
AC3 Allocation From Record	22	1	Record Id Number	2	99	22
		2	Percentage From Another Client	11	9(3).9(7)	Percentage
		3	AC2 Distribution Percentage	11	9(3).9(7)	Percentage
		4	From Facility Province	2	CC	AB, BC, SK – not

						populated for years prior to 2009
		5	From Facility Type	2	CC	GP, GS – not populated for years prior to 2009
		6	From Facility ID	7	X(7)	From Facility ID – not populated for years prior to 2009
		7	From Client Id	7	X(7)	Business Associate ID
Record Count Record	99	1	Record Id Number	2	99	99
		2	Record Count	9	9(9)	Number of records, not including the record, in this file.

**OPA DDF File Layout – Production Years 2009 and forward**

Record Name	Record Id Number	Field Number	Field Name	Field Width	Format	Comments
Royalty Payer Record	1	1	Record Id Number	2	99	01
		2	Invoice Number	22	9(22)	
		3	Invoice Date	8	yyyymmdd	
		4	Royalty Payer Id	7	X(7)	Business Associate ID
		5	Royalty Payer Name	36	C(36)	
		6	Royalty Payer Address	36	C(36)	
		7	Royalty Payer City	19	C(19)	
		8	Royalty Payer Province/State	2	CC	
		9	Royalty Payer Postal/Zip Code	9	C(9)	
		10	Reference Number	9	9(9)	
Production Period Year Record	2	1	Record Id Number	2	99	02
		2	Production Period Year	4	9(4)	YYYY
Royalty Client Record	3	1	Record Id Number	2	99	03

		2	Royalty Client Id	7	X(7)	Business Associate ID
		3	Royalty Client Name	36	C(36)	
ERCB Facility Record	4	1	Record Id Number	2	99	04
		2	ERCB Facility Province	2	CC	AB, BC, SK
		3	ERCB Facility Type	2	CC	GP,GS
		4	ERCB Facility Code	7	X(7)	
		5	ERCB Facility Name	36	X(36)	
FCC Op Costs Record	14	1	Record Id Number	2	99	11
		2	FCC Id	8	C(8)	
		3	From Facility Province	2	CC	AB, BC, SK - populated only when sending facility is different than the ERCB facility in record 4.
		4	From Facility Type	2	CC	GP, GS - populated only when sending facility is different than the ERCB facility in record 4.



		5	From Facility Code	7	X(7)	populated only when sending facility is different than the ERCB facility in record 4.
		6	Standard Allowable Costs	17	9(14).9(2)	Dollars
		7	Co-Generation Utilities Costs	17	9(14).9(2)	Dollars
		8	Other Allowable Costs	17	9(14).9(2)	Dollars
		9	Direct Allowable Costs	17	9(14).9(2)	Dollars
		10	Overhead Percent	6	9(3).9(2)	Percentage
		11	Overhead	17	9(14).9(2)	Dollars
		12	Greenhouse Gas Emissions Costs	17	9(14).9(2)	Dollars
		13	Working Capital Percent	6	9(3).9(2)	Percentage
		14	Working Capital Allowance	17	9(14).9(2)	Dollars
		15	Total Operating Cost Allowance	17	9(14).9(2)	Dollars
		16	BA Distribution Percentage	11	9(3).9(7)	Percentage
		17	Facility Distribution Percentage	11	9(3).9(7)	Percentage
		18	Net Reallocation Percentage	12	9(4).9(7)	Percentage
		19	Net Operating Cost Allocation	17	9(14).9(2)	Dollars
		20	OPA Recalculation Flag	1	X	Value is * or blank.

AC3 Allocation To Record	21	1	Record Id Number	2	99	21
		2	Percentage To Another Client	11	9(3).9(7)	Percentage
		3	To Client Id	7	X(7)	Business Associate ID
		4	To Facility Province	2	CC	AB, BC, SK
		5	To Facility Type	2	CC	GP, GS
		6	To Facility ID	7	X(7)	To Facility ID
AC3 Allocation From Record	22	1	Record Id Number	2	99	22
		2	Percentage From Another Client	11	9(3).9(7)	Percentage
		3	AC2 Distribution Percentage	11	9(3).9(7)	Percentage
		4	From Facility Province	2	CC	AB, BC, SK
		5	From Facility Type	2	CC	GP, GS
		6	From Facility ID	7	X(7)	From Facility ID
		4	From Client Id	7	X(7)	Business Associate ID
Record Count Record	99	1	Record Id Number	2	99	99
		2	Record Count	9	9(9)	Number of records, not including the record, in this file.

**CERR / FERR DDF File Layout**

Record Name	Record Id Number	Field Number	Field Name	Field Width	Format	Comments
Royalty Payer Record	1	1	Record Id Number	2	99	01
		2	Invoice Number	22	9(22)	
		3	Invoice Date	8	yyyymmdd	
		4	Royalty Payer Id	7	X(7)	Business Associate ID
		5	Royalty Payer Name	36	C(36)	
		6	Royalty Payer Address	36	C(36)	
		7	Royalty Payer City	19	C(19)	
		8	Royalty Payer Province/State	2	CC	
		9	Royalty Payer Postal/Zip Code	9	C(9)	
		10	Reference Number	9	9(9)	
Production Period Year Record	2	1	Record Id Number	2	99	02
		2	Production Period Year	4	9(4)	YYYY
Royalty Client	3	1	Record Id Number	2	99	03

Record					
		2	Royalty Client Id	7	X(7) Business Associate ID
		3	Royalty Client Name	36	C(36)
ERCB Facility Record	4	1	Record Id Number	2	99 04
		2	ERCB Facility Province	2	CC AB, BC, SK
		3	ERCB Facility Type	2	CC GP,GS
		4	ERCB Facility Code	7	X(7)
		5	ERCB Facility Name	36	X(36)
Royalty Rate Product Record	13	1	Record Id Number	2	99 13
		2	Product	6	C(6) Gas or Gas product
		3	Production Month	6	9(6) YYYYMM
		4	Product Unit Value	17	9(14).9(2) Dollars/Unit
		5	Crown Royalty Quantity (CRQ)	17	9(9).9(7) Volumes
		6	Royalty Exemption	17	9(9).9(7) Volumes
		7	Cycling CRQ	17	9(9).9(7) Volumes
		8	Net CRQ	17	9(9).9(7) Volumes
		9	Crown Royalty Value	17	9(14).9(2) Dollars
		10	Client Volumetric Quantity	17	9(9).9(7) Volumes
		11	Ex-Alberta Production	17	9(9).9(7) Volumes

		12	Purchased Quantity	17	9(9).9(7)	Volumes
		13	Corporate Cycling	17	9(9).9(7)	Volumes
		14	Net Corporate Production	17	9(9).9(7)	Volumes
		15	Corporate Value	17	9(14).9(2)	Dollars
Royalty Rate Adjustments Record	25	1	Record Id Number	2	99	25
		2	Proprietary Waiver Adjustment	17	9(14).9(2)	Dollars
		3	Client Annual Co-generation Adjustment	17	9(14).9(2)	Dollars
		4	Crown Annual Co-generation Adjustment	17	9(14).9(2)	Dollars
		5	Exclusion Adjustment	17	9(14).9(2)	Dollars
Record Count Record	99	1	Record Id Number	2	99	99
		2	Record Count	9	9(9)	Number of records, not including the record, in this file.