



Monthly Production Reporting Guideline

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Summary of Changes		
Date Revised	Sections (if applicable)	Description of Change
October 28, 2024		This Guideline has been placed in the new format and style; references to regulations have been updated; Updated codes in Appendix C to remove old codes and include new codes.

Foreword

The Canada-Newfoundland and Labrador Offshore Petroleum Board (the *Regulator*) has issued this Guideline to assist operators in the submission of monthly production reports required pursuant to section 198 of the *Framework Regulations*.

Guidelines are developed to provide assistance to those with statutory responsibilities (including operators, employers, employees, supervisors, providers of services, suppliers, etc.) under the *Accord Acts* and regulations. Guidelines provide an understanding of how legislative requirements can be met. In certain cases, the goals, objectives and requirements of the legislation are such that no guidance is necessary. In other instances, guidelines will identify a way in which regulatory compliance can be achieved.

The authority to issue Guidelines and Interpretation Notes with respect to legislation is specified by subsections 151.1(1) and 205.067(1) of the *Canada-Newfoundland and Labrador Atlantic Accord Implementation Act, S.C. 1987, c.3 (C-NLAAIA)* and subsections 147(1) and 201.64(1) of the *Canada-Newfoundland and Labrador Atlantic Accord Implementation Newfoundland and Labrador Act, RSNL 1990 c. C-2*. The *Accord Acts* also state that Guidelines and Interpretation Notes are not deemed to be statutory instruments.

For the purposes of this Guideline, these Acts are referred to collectively as the *Accord Acts*. Any references to the C-NLAAIA or to the regulations in this Guideline are to the federal versions of the *Accord Acts* and the associated regulations.

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1.0 Acronyms and Abbreviations

CCO	Chief Conservation Officer
C-NLAAIA¹	<i>Canada-Newfoundland and Labrador Atlantic Accord Implementation Act</i>
C-NLOPB	Canada-Newfoundland and Labrador Offshore Petroleum Board
EOR	enhanced oil recovery
GOR	gas-oil ratio
LPG	liquid petroleum gas
OWR	oil-water ratio
PDF	portable document format (file format created by Adobe)

2.0 Definitions

In this Guideline, terms such as “authorization”, “chief conservation officer”, “conservation officer”, “development plan”, “development well”, “operator” and “waste”, referenced herein have the same meaning as in the *Accord Acts*.²

Refer also to defined terms in the *Framework Regulations*.

For the purposes of this Guideline, the following terms have been capitalized and italicized when used throughout. The following definitions apply:

<i>Accord Acts</i>	means the <i>Canada-Newfoundland Atlantic Accord Implementation Act</i> and the <i>Canada-Newfoundland and Labrador Atlantic Accord Implementation (Newfoundland and Labrador) Act</i>
<i>Framework Regulations</i>	means the <i>Canada-Newfoundland and Labrador Offshore Area Petroleum Operations Framework Regulations, SOR/2024-25</i>
<i>Offshore Area</i>	means the offshore area as defined by the <i>Accord Acts</i>
<i>Regulator</i>	means the Canada-Newfoundland and Labrador Offshore Petroleum Board

¹ References to the C-NLAAIA in this Guideline are to the federal version of the *Accord Act*

² C-NLAAIA 2, 135

3.0 Purpose and Scope

The objective of this Guideline is to assist operators in the submission of monthly production reports for production projects pursuant to section 198 of the *Framework Regulations*. The requirements and associated guidance for measurement and testing of production is under sections 74 - 76 of the *Framework Regulations*. Prior to initiating production from a field, an operator must obtain approval from the Chief Conservation Officer respecting the flow system and the flow calculation and allocation procedures pursuant to the requirements and associated guidance for section 14 of the *Framework Regulations*. The volumes reported in the monthly production report must be determined using metering facilities and procedures approved by the CCO. The guidance provided has been limited to installations producing oil. If an installation intends to produce gas, the *Regulator* should be notified as revision of this Guideline will be required.

As part of the monthly production report, monthly statements and worksheets should be submitted.

There are three types of monthly statements:

- NF-S1 Monthly Production Statement
- NF-S2 Monthly Disposition Statement
- NF-S18 Monthly Injection/Disposal Statement

There are two types of monthly worksheets:

- NF-S1a Monthly Production Test Data Worksheet
- NF-S2a Monthly Tanker Details Worksheet

All statements and worksheets that make up the monthly production report should be submitted to the *Regulator* electronically in both pdf and flat ASCII format no later than the 15th day of the subsequent month.

There are two formats required to be submitted for each type of report:

- **PDF Format** – refer to Appendix A for guidance on the forms for this format. The data conveyed in the statements and worksheets of Appendix A also represent a realistic field scenario which the operator is requested to duplicate in both pdf and ASCII format to confirm compliance with the submission requirement. These formats are intended as templates from which an operator should design its reporting system. PDFs should also be submitted on 8.5" x 14" (landscape) indicating "Page _ of _" in the footer of the document.
- **Flat ASCII Format** – refer to Appendix B for guidance on the forms for this format. Prior to a field going into production, the operator should submit a data file based

upon the field scenario represented in Appendix A to demonstrate that the operator is able to comply with the submission requirement.

General requirements applicable to all statements and worksheets:

- The formats provided serve as templates from which an operator should design its reporting system. Each statement or worksheet consists of header information, one or more data sections specific to the statement or worksheet, and contact information.
- The header located on the top of each page should include the operator, producing year/month, field, region, installation, amendment status and page number. The header should be repeated on each page of the statement or worksheet.
- The data portion of the statement or worksheet is arranged in one or more data sections. Each data section should be completed before another is started, with summary data such as totals being provided at the end of each data section

The 'contact' information identifies the contact person designated by the operator to be responsible for the data submitted to the *Regulator*. The 'contact' information should be entered on the last page of the statement or worksheet. Each statement or worksheet should be verified by the person responsible for the accuracy and integrity of the data.

When submitting data:

- The international system of units (SI) should be used.
- Data should be reported in volumetric form as follows:
 - Liquid – in cubic metres (m³) at 15°C and 101.325 kPa, reported to one decimal place.
 - Gas – in thousands of cubic metres (10³m³) at 15°C and 101.325 kPa, reported to one decimal place.
- Where assigned areas for volumetric data are left blank, these areas will be deemed to be reported as 0.0.

If deviation from the above-mentioned format is required, the operator should obtain approval from the CCO to submit data in another format. All statements and worksheets should be verified by an individual that has certified the information supplied is accurate and correct, and that the assigned areas for volumetric data are intended to be zero if left blank. Any amendments to the data should be formally submitted.

Where an operator wishes to amend data it has submitted to the *Regulator*, it must submit an amendment to the statement or worksheet previously submitted. An amended statement often necessitates corresponding amendments to other statements

or associated worksheets; therefore, amendments filed in electronic form should consist of a complete data set, including all statements or worksheets, regardless of whether or not it is affected by amended data or not. PDF submissions, however, may be restricted to the affected statement(s) or worksheets(s).

Amendments to previous production months should be submitted separately from regular monthly submissions.

Detailed information on the format of each type of report is provided in the following sections.

4.0 Monthly Statements and Production Worksheets

4.1 NF-S1 Monthly Production Statement

The NF-S1 is a monthly statement of crude oil, crude bitumen, condensate, gas and water production for one or more wells. Production must be reported for all production and injection wells whether or not they were flowing during the reporting period. Where assigned codes are referenced in the following sections, the operator should refer to the appropriate schedule in Appendix C for the applicable coding requirements. Reference should be made to the PDF version of the NF-S1 in Appendix A when following guidance provided in the subsequent sections and requirements to be followed submitting flat ASCII format of the NF-S1 are provided in Appendix B.

Header Identification:		
Name and Address of Operator	Indicate the name and mailing address of the operator of the installation.	
Reporting Month Details:		Refer to Appendix C - Schedule A for applicable coding.
Year	Enter the reporting year as a four digit numeral.	
Month	Enter the reporting month as 01 to 12.	
Operator	Enter the assigned alphanumeric code for operator.	
Field	Enter the assigned alphanumeric code for field.	
Region	Enter the assigned alphanumeric code for region.	
Installation	Enter the assigned alphanumeric code for installation.	
Amendment Month Details:		
Year	Enter the amendment year as a four digit numeral.	
Month	Enter the amendment month as 01 to 12.	
Day	Enter the amendment day as 01 to 31.	
Code	Enter the applicable two digit amendment code to indicate the primary reason for the amendment:	
NOTE: Only one code may be used in association with any amended statement or its associated worksheet. If both the NF-S1 and NF-S1a require amendments and more than one reason (code) exists for the change, then use code 99 on both	Amendment Description:	Code
	• identification codes	01
	• proration	02
	• hours	03
	• cycle number	04
	• contact information	05
	• NF-S1/NF-S2 cross balance	06

versions of the statement and worksheet as submitted.	• other	50
	• two or more of the above	99
Contact Identification:		
Contact Name	Include the name of the person responsible for the accuracy and integrity of submitted data.	
Date	Enter the year, month and day the data was created.	
Area Code/Telephone	Provide the phone number of the person responsible.	
Wells Details:	Report the specifics for a well on a pool basis. Where commingled production from two or more pools has been approved, the operator should use multiple lines as required.	
Well & Pool Identifier:	Refer to Appendix C - Schedule B for coding requirements.	
Field (Fld)	4 - field alphanumeric character	
Unit (U)	1 - field alphanumeric character (A through P)	
Section (Sec)	3 - field numeric character (001 through 100)	
Sequence of well (Seq)	3 - field numeric character (001 through 999)	
Sidetrack (S)	1 - field alphanumeric character (blank, Z through A)	
Well Name	Enter the operator designated well name.	
Pool Identifier	6 - field alphanumeric code	
Water-Gas Ratio Test	For gas wells only. Refer to Section 40 - Gas Installations (future addition).	
Gas-oil Ratio	Enter the GOR where an exemption from gas measurement at an installation or well has been approved. Currently not active - future provision.	
Cycle Number (CYC)	For wells involved in cycling operations, enter the cycle number. Where cycling operations are conducted: • repeat the well identifier and pool identifier for each cycle number; • enter the consecutive number for each cycle starting with cycle 1 for the first month in which production operations occur at a cycling well; and • enter the production volume and the hours* associated with the production phase of each cycle during the month. *The sum of production and injection hours for each well should not exceed the hours in the month.	
Condensate Flag (CDN)	Enter 'N' - oil, 'Y' - condensate. This flag is used to identify the type of liquid production from a producing well. For a well completed over an oil-bearing interval, enter N to indicate oil production where any condensate removed in association with solution gas is combined with the group oil stream. For a well completed within the gas cap (i.e., blow down) of an oil field, enter Y to indicate condensate production. Any condensate produced in this manner should be reported as part of the group oil stream for proration back to individual wells.	
Estimated Production:	Estimated production volumes for a well and pool should agree with that reported on the NF-S1a Monthly Test Proration Worksheet.	
Oil/Condensate (Oil/Cnd)	Enter the volume of oil or condensate production (m ³) estimated at the well during the reporting month.	

Gas	Enter the volume of gas production (10^3m^3) estimated at the well during the reporting month.
Water	Enter the volume of water production (m^3) estimated at the well during the reporting month.
Measured Production:	
Hours (Hrs)	Enter to the nearest hour the number of measured production hours for the well for the reporting month.
Oil/Condensate (Oil/Cnd)	Enter the volume of oil or condensate production (m^3) measured at the well during the reporting month.
Gas	Enter the volume of gas production (10^3m^3) measured at the well during the reporting month.
Water	Enter the volume of water production (m^3) measured at the well during the reporting month.
Prorated Production:	The prorated production of a well is determined by multiplying the estimated production for a well by the proration factor determined for oil, gas or water.
Hours (Hrs)	Enter to the nearest hour the number of prorated production hours for the well for the reporting month.
Number of tests (N/T)	Enter the number of proration tests conducted during the reporting month.
Oil/Condensate (Oil/Cnd)	Enter the volume of oil or condensate production (m^3) prorated to the well during the reporting month.
Gas	Enter the volume of gas production (10^3m^3) prorated to the well during the reporting month.
Water	Enter the volume of water production (m^3) prorated to the well during the reporting month.
Totals:	Enter the totals for estimated, measured and prorated production for an installation along the line as shown in the NF-S1, Appendix A.
Total Estimated Production:	
Oil/Condensate (Oil/Cnd)	Enter the sum of 'net' oil and/or condensate production (m^3) estimated from all wells during the reporting month.
Gas	Enter the sum of 'net' gas production (10^3m^3) estimated from all wells during the reporting month.
Water	Enter the sum of 'net' water production (m^3) estimated from all wells during the reporting month.
Total Measured Production:	
Oil/Condensate (Oil/Cnd)	Enter the sum of 'net' oil or condensate production (m^3) measured at all wells during the reporting month.
Gas	Enter the sum of 'net' gas production (10^3m^3) measured at all wells during the reporting month.
Water	Enter the sum of 'net' water production (m^3) measured at all wells during the reporting month.
Total Prorated Production:	The total volume of oil/condensate, gas, and water to be prorated to wells for the month is the volume(s) representing group stream production carried forward from the NF-S2 and reported on the NF-S1 under the heading 'Total Installation Production' minus the total volume of any measured production.
Oil/Condensate (Oil/Cnd)	Enter the total volume of 'net' oil/condensate (m^3) to be prorated. This volume should equal the sum of prorated production for oil/condensate allocated to producing wells during the month.
Gas	Enter the total volume of 'net' gas (10^3m^3) to be prorated.

	This volume should equal the sum of prorated production for gas allocated to producing wells during the month.
Water	Enter the total volume of 'net' water (m ³) to be prorated. This volume should equal the sum of prorated production for water allocated to producing wells during the month.
Proration Factors:	Proration factor(s) should be calculated to maximum decimal accuracy for determining the prorated volume of a well, then rounded to five decimal places for reporting purposes.
Oil/Condensate (Oil/Cnd)	Proration factor = $\frac{\text{total prorated crude oil and/or condensate production}}{\text{total estimated crude oil and/or condensate production}}$
Gas	Proration factor = $\frac{\text{total prorated gas production}}{\text{total estimated gas production}}$
Water	Proration factor = $\frac{\text{total prorated water production}}{\text{total estimated water production}}$
Total Installation Production:	The volumes reported under 'Total Installation Production' are carried forward from the NF-S2 ('Oil Production', 'Gas Production' and 'Water Production') and should equal the sum of 'total measured production' and 'total prorated production' reported for the month.
Oil/Condensate (Oil/Cnd)	Enter the total volume of 'net' oil/condensate (m ³) produced at the installation during the reporting month.
Gas	Enter the total volume of 'net' gas (10 ³ m ³) produced at the installation during the reporting month.
Water	Enter the total volume of 'net' water (m ³) produced at the installation during the reporting month.

4.2 NF-S1a Monthly Test Proration Worksheet

With respect to section 76 of the *Framework Regulations*, the NF-S1a worksheet provides additional details related to monthly proration testing in support of the NF-S1 Monthly Production Statement.

Production must be reported for all production wells whether or not they were flowing during the reporting period.

Where **assigned codes** are referenced in the following sections, the operator should refer to the appropriate schedule in Appendix C for the coding requirements applicable.

Reference should be made to the PDF version of the NF-S1a statement in Appendix A when following guidance provided in the subsequent sections and the requirement for submission of the NF-S1a is combined with that for the NF-S1 submission in flat ASCII format as provided in Appendix B.

Header Identification:		
Name and Address of Operator	Indicate the name and mailing address of the operator of the installation.	
Reporting Month Details:		Refer to Appendix C - Schedule A for applicable coding.
Year	Enter the reporting year as a four digit numeral.	
Month	Enter the reporting month as 01 to 12.	
Operator	Enter the assigned alphanumeric code for operator.	
Field	Enter the assigned alphanumeric code for field.	
Region	Enter the assigned alphanumeric code for region.	
Installation	Enter the assigned alphanumeric code for installation.	
Amendment Month Details:		
Year	Enter the amendment year as a four digit numeral.	
Month	Enter the amendment month as 01 to 12.	
Day	Enter the amendment day as 01 to 31.	
Code	Enter the applicable two digit amendment code to indicate the primary reason for the amendment:	
NOTE: Only one code may be used in association with any amended statement or its associated worksheet. If both the NF-S1 and NF-S1a require amendments and more than one reason (code) exists for the change, then use code 99 on both the statement and worksheet as submitted.	Amendment Description:	Code
	• identification codes	01
	• hours	15
	• rates	16
	• pressures	17
	• coefficients	18
	• estimated production	19
	• other	50
• two or more of the above	99	
Test Summary:		Enter under the heading 'Test Summary' the details specific to each proration test as it applies to the current production month.
Test Date	Enter the date the well was tested (yyyymmdd); i.e., the date on which the well was diverted to the test separator. Tests should be evenly spaced throughout the month. Where a test does not	

	commence at the start of a reporting month, report the results for the last test occurring in the previous month.
Rate Reduction (Y/N)	Indicate with a Y (yes) or N (no) as to whether rate reduction was necessary to test this well. Y applies only to oil wells where approval has been given by the <i>Regulator</i> to produce at rates above test separator capacity.
Test Duration (Hrs)	Total test duration; i.e., the duration, reported to the nearest hour, that the well is off-line from the main process train.
Hours of Stabilized Flow	Report to the nearest hour, the number of hours of stabilized flow under which the well was tested. Stabilized flow may be defined as a well flowing at a stable rate for a stable flowing pressure. A minimum of four hours of stabilized flow is required. Where rate reduction applies, the time required for the onset of stabilized flow is typically longer than for wells where the rate is not reduced before going to test. Once a well has reached stabilized flow conditions, a minimum of four hours stabilized flow is required.
Stabilized Flow - Rate Summary:	Reported Corrected to Standard Conditions
Oil/Cnd (m ³ /d)	Enter the stabilized flow rate for oil/condensate.
Gas (10 ³ m ³ /d)	Enter the stabilized flow rate for gas.
Water (m ³ /d)	Enter the stabilized flow rate for water.
Test Pressure Summary:	Any deviations in Pressure from one test to the next test should be supported by shut-in data, extrapolated multirate data or drawdown response.
P _{res} (kPaa)	'Reservoir Pressure @ sandface' from shut-in data.
P _{bpt} (kPaa)	'Bubble Point Pressure @ sandface' from lab data.
P _{wf} (kPaa)	'Final Flowing Bottomhole Pressure @ sandface' - measured.
P _{wh} (kPaa)	'Final Flowing Wellhead Pressure' - measured.
P _c (kPaa)	'Final Static Wellhead Shut-in Pressure' - from correlations and used where wellhead deliverability curves are employed.
Backpressure Coefficient/Productivity Indices (Oil):	Please indicate on the PDF whether well deliverability is expressed in terms of 'backpressure coefficient' or 'productivity index' providing the units used accordingly. The backpressure coefficient, or productivity indices as determined from proration testing should agree with those determined from multirate testing. Where significant deviation exists, the operator will be expected to re-establish valid backpressure coefficients or productivity indices either by verifying reservoir pressure and/or conducting multirate testing. The units for backpressure coefficient are m ³ /d/kPa where the delta-pressure approach is used, and (10 ⁻⁶) m ³ /d/kPa ²ⁿ where the delta-pressure-squared approach is used. The units for productivity indices are m ³ /d/kPa.
Downhole	Report the downhole backpressure coefficient or productivity index as determined for proration test conditions.
Wellhead	Report the wellhead backpressure coefficient where applicable as determined for proration test conditions.
Main Production Summary:	Enter under the heading 'Main Production Summary' the details specific to total production estimated for the well and associated with the proration test in question.

Hours On	Enter the number of producing hours of prorated production associated with each test for each well during the month. These are the number of hours of production from the start of one test to the start of the next test. Where a test does not commence at the start of a reporting month, the operator should use the last test occurring in the previous month as the basis for estimating production. 'Hours on' used in determining estimated production, is calculated from the start of the reporting month to the start of the first test within the reporting month.
Main Pressure Summary:	Required where rate reduction of oil wells applies. P_{wf} and P_{wh} represent the final pressures realized during the main production period prior to the start of the next test.
P _{wf} (kPaa)	'Final Flowing Bottomhole Pressure @ sandface' - measured.
P _{wh} (kPaa)	'Final Flowing Wellhead Pressure' - measured.
Estimated Production:	Estimated production represents the production of oil, gas and water associated with 'hours on' production from test to test for the reporting month. The sum of estimated production occurring during the month should equal that reported on the NF-S1 Monthly Production Statement. Where rate reduction for oil wells applies, estimated oil production may be simply calculated as the sum of the: • estimated production during testing - based on the product of the stabilized rate of flow reported for the testing period and the number of hours that the well was off line for testing purposes; and • estimated production that occurred once the well was put back on line - based on the product of the backpressure coefficient or productivity indices and the difference between 'Reservoir Pressure' and 'Flowing Pressure' over the number of days ((('Hours On'-'Test Duration')/24) the well remained on production. Where rate reduction for oil wells does not apply, the estimated production is simply the product of the rate of stabilized flow for the given fluid and the number of days of production between tests corresponding to the number of hours reported under 'Hours on'. Estimated gas or water production is obtained by multiplying estimated oil production for the test period by the GOR or OWR as tested. Report the totals for 'Hours on' and 'Estimated Production' for each producing well in the space provided on the worksheet.
Oil/Condensate (m ³)	Estimated production of oil/condensate for the test period.
Gas (10 ³ m ³)	Estimated production of gas for the test period.
Water (m ³)	Estimated production of water during the test period.

4.3 NF-S2 Monthly Disposition Statement

The NF-S2 is a monthly statement of the disposition of oil, gas and water produced or received by an installation. The statement must accurately reflect the movement of oil, gas and water to and from an installation.

The NF-S2 is divided into three sections according to product type; i.e., oil, gas and water. Each section consists of three subsections that document the receipts of product from external sources, the delivery of product to external recipients and a summary line that details monthly production of product, what was received, what was delivered, what remains in storage and what was consumed by the installation.

Where **assigned codes** are referenced in the following sections, the operator should refer to the appropriate schedule in Appendix C for the applicable coding requirements.

Reference should be made to the PDF version of the NF-S2 in Appendix A when following guidance provided in the subsequent sections and the requirements to be followed when submitting flat ASCII format of the NF-S2 are provided in Appendix B.

Header Identification:		
Name and Address of Operator	Indicate the name and mailing address of the operator of the installation.	
Reporting Month Details:		
Year	Enter the reporting year as a four digit numeral.	
Month	Enter the reporting month as 01 to 12.	
Operator	Enter the assigned alphanumeric code for operator.	
Field	Enter the assigned alphanumeric code for field.	
Region	Enter the assigned alphanumeric code for region.	
Installation	Enter the assigned alphanumeric code for installation.	
Amendment Month Details:		
Year	Enter the amendment year as a four digit numeral.	
Month	Enter the amendment month as 01 to 12.	
Day	Enter the amendment day as 01 to 31.	
Code	Enter the applicable two digit amendment code to indicate the primary reason for the amendment:	
NOTE: Only one code may be used in association with any amended statement or its associated worksheet. If both the NF-S2 and NF-S2a require amendments and more than one reason (code) exists for the change, then use code 99 on both the statement and worksheet as submitted.	Amendment Description:	
	• identification codes	01
	• contact information	05
	• NF-S1/NF-S2 cross balance	06
	• receipts	07
	• deliveries	08
	• product summary	10
	• NF-S2/NF-S18 cross balance	12
	• other	50
• two or more of the above	99	
Contact Identification:		
Contact Name	Include the name of the person responsible for the accuracy and integrity of submitted data.	

Date	Enter the year, month and day the data was created.	
Area Code/Telephone	Provide the phone number of the person responsible.	
'OIL' - Other Receipts:		
Tanker/Pipeline/Installation Code (Refer to Appendix C - Schedule A for valid coding designations)	Enter the code for the source of 'Other Receipts' of oil received at the installation i.e., either the tanker code, the pipeline code or the installation code if oil is received from an adjoining or integrated installation.	
Receipt Type Code (Refer to Appendix C - Schedule D for additional coding designations which may apply)	Enter the two digit 'Receipt Type' code to identify the type of oil flow transaction other than from a tanker, pipeline or adjoining installation.	
Volume	Cubic metres (m ³) of 'net' oil associated with each 'other receipt' reported during the month.	
'OIL' - Deliveries:	Do not input 'Name of Purchaser/WIO Code', 'Purchaser or WIO Code', or 'Tanker/Pipeline/ Installation Code' for Volumes assigned a 'Delivery Type Code'.	
Name of Purchaser	Enter the name of purchaser, working interest owner or other in the space provided.	
Purchaser or WIO Code (Refer to Appendix C - Schedule A for valid coding designations)	Enter the three digit code for purchaser or working interest owner. Where a tanker is employed by a number of purchasers or working interest owners to effect a combined lift of crude, the operator of the installation should detail on the NF-S2 the net volume of crude allocated to each purchaser or working interest owner. All oil deliveries assigned to a specific 'Purchaser or WIO' should be summed whenever a common tanker name is involved.	
Tanker/Pipeline/Installation Code (Refer to Appendix C - Schedule A for valid coding designations)	Enter the code identifying the recipient of each oil delivery i.e., either the tanker code, the pipeline code or the installation code if the oil is delivered to an adjoining or integrated installation.	
Deliver Type Code (Refer to Appendix C - Schedule D for additional coding designations which may apply)	Enter the two digit 'Delivery Type' code to identify the type of oil flow transaction other than to a tanker, pipeline or adjoining installation. Transactions may include:	
	Description	Code
	• Spills	04
	• Fire	08
Volume	Cubic metres (m ³) of 'net' oil associated with each 'delivery' reported during the month.	
'OIL' - Totals:		
Oil Production	Total cubic metres (m³) of 'net' crude oil produced at the installation during the reporting month. This volume is the same as, and consequently should equal the volume of crude reported under the headings 'Total Installation Production' and 'Total Prorated Production' as reported on the Monthly Production Statement NF-S1. Oil Production = Total Deliveries + Closing Inventory - Total Other Receipts - Opening Inventory	

Total Other Receipts	Total cubic metres (m ³) of 'net' oil received as 'other receipts' from other sources (external to the installation) during the reporting month. Total Other Receipts = sum of all 'other receipt' volumes.	
Opening Inventory	Cubic metres (m ³) of oil held in inventory at the beginning of the reporting month. This is 'net' oil i.e., gross volume less the entrained water volume (i.e., BSW volume). This volume should equal the previous month's closing inventory for oil.	
Closing Inventory	Cubic metres (m ³) of oil held in inventory at the end of the reporting month. This is 'net' oil i.e., gross volume less the entrained water volume (i.e., BSW volume). This volume should become the next month's opening inventory for 'net' oil.	
Total Deliveries	Total cubic metres (m ³) of 'net' oil delivered to market or otherwise disposed of during the reporting month. Total Deliveries = sum of all oil 'delivery' volumes.	
'Gas' - Other Receipts:		
Tanker/Pipeline/Installation Code (Refer to Appendix C - Schedule A for valid coding designations)	Enter the code for the source of 'Other Receipts' of gas received at the installation i.e., either the pipeline code or the installation code (if gas is received from an adjoining or integrated installation).	
Receipt Type Code (Refer to Appendix C - Schedule D for additional coding designations which may apply)	Enter the two digit 'Receipt Type' code to identify the type of gas flow transaction other than from a pipeline or adjoining installation.	
Volume	Cubic metres (10 ³ m ³) of 'net' gas associated with each 'other receipt' reported during the month.	
'GAS' - Deliveries:		
Name of Purchaser	Enter the name of purchaser, working interest owner or other in the space provided.	
Purchaser or WIO Code (Refer to Appendix C - Schedule A for valid coding designations)	Enter the three digit code for purchaser or working interest owner. Where a pipeline is employed to transport gas to market, the operator of the installation should detail in the NF-S2 statement the volumes allocated to each purchaser or working interest owner.	
Tanker/Pipeline/Installation Code (Refer to Appendix C - Schedule A for valid coding designations)	Enter the code identifying the recipient of each gas delivery i.e., either the tanker code, the pipeline code or the installation code if the gas is delivered to an adjoining or integrated installation.	
Deliver Type Code (Refer to Appendix C - Schedule D for additional coding designations which may apply)	Enter the two digit 'Delivery Type' code to identify the type of gas flow transaction other than to a tanker, pipeline or adjoining installation	
	Description	Code
	• Fire	08
Volume	Cubic metres (10 ³ m ³) of 'net' gas associated with each 'delivery' reported during the month.	

'Gas' - Totals:	
Gas Production	Total thousands of cubic metres (10^3 m^3) of 'net' gas produced at the installation during the reporting month. This volume is the same as, and consequently should equal the volume of gas reported under the headings 'Total Installation Production' and 'Total Prorated Production' as reported on the Monthly Production Statement NF-S1. Gas Production = Total Deliveries + Gas for Fuel + Gas Flared + Gas Vented + Metering Difference (+/-) - Total Other Receipts
Total Other Receipts	Total thousands of cubic metres (10^3 m^3) of 'net' gas received as 'Other Receipts' from other sources (external to the installation) during the reporting month. Total Other Receipts = sum of all 'other receipt' volumes.
Gas Lift Gas Recovered	Thousands of cubic metres (10^3 m^3) of gas lift gas recovered during the reporting month. This volume of gas should equal that volume of gas delivered to gas lift facilities for disposition to wells during the reporting month.
Fuel	Thousands of cubic metres (10^3 m^3) of gas used as fuel during the reporting month.
Flared	Thousands of cubic metres (10^3 m^3) of gas flared during the reporting month.
Vented	Thousands of cubic metres (10^3 m^3) of gas vented to the atmosphere during the reporting month. The volume of gas vented to the atmosphere represents a safety concern and consequently should be kept to a minimum.
Metering Difference (+/-)	Thousands of cubic metres (10^3 m^3) of gas lost or gained due to metering difference during the reporting month. Indicate the sign (- or +) as to whether the gas volume reported represents a loss or a gain. The volume of gas lost or gained due to metering difference is a reflection of both metering accuracy and maintenance procedures, and consequently should be kept to a minimum.
Total Deliveries	Total thousands of cubic metres (10^3 m^3) of 'net' gas delivered to market, to injection facilities or otherwise disposed of during the reporting month. Total Deliveries = sum of all gas 'delivery' volumes.
'Water' - Other Receipts:	
Tanker/Pipeline/Installation Code (Refer to Appendix C - Schedule A for valid coding designations)	Enter the code for the source of 'Other Receipts' of water i.e., either the tanker code, pipeline code or the installation code if water is received from an adjoining or integrated installation.

Receipt Type Code (Refer to Appendix C - Schedule D for additional coding designations which may apply)	Enter the two digit 'Receipt Type' code to identify the type of water flow transaction other than from a pipeline or adjoining installation.	
	Description	Code
	• seawater for injection	22
	• tank bottoms	12
Volume	Cubic metres (m ³) of 'net' water associated with each 'other receipt' reported during the month.	
'Water' - Deliveries:	Do not input 'Name of Purchaser/WIO Code', 'Purchaser or WIO Code', or 'Tanker/Pipeline/ Installation Code' for Volumes assigned a 'Delivery Type Code'.	
Name of Purchaser	Where water has been acquired in association with oil shipments by tanker or by pipeline, enter the name of the oil shipment purchaser, working interest owner or other in the space provided.	
Purchaser or WIO Code (Refer to Appendix C - Schedule A for valid coding designations)	Enter the three digit code for purchaser or working interest owner. Where a tanker is employed by a number of purchasers or working interest owners to effect a combined lift of crude, the operator of the installation should detail on the NF-S2 the net volume of water allocated to each purchaser or working interest owner. All water deliveries assigned to a specific 'Purchaser or WIO' should be summed whenever a common tanker name is involved.	
Tanker/Pipeline/Installation Code (Refer to Appendix C - Schedule A for valid coding designations)	Enter the code identifying the recipient of each water delivery; i.e., either the tanker code, pipeline code, or the installation code (if the water is delivered to an adjoining or integrated installation).	
Deliver Type Code (Refer to Appendix C - Schedule D for additional coding designations which may apply)	Enter the two digit 'Delivery Type' code to identify the type of water flow transaction other than to a tanker, pipeline or adjoining installation	
	Description	Code
	• Water discharge to sea	07
Volume	Cubic metres (m ³) of 'net' water associated with each 'delivery' reported during the month.	
'Water' - Totals:	Where the storage medium is open to the sea, the volume of water reported as inventory above is the volume of water entrained within the oil column. Where the storage medium is closed, the volume of water reported as inventory is the total volume of water metered to storage.	
Water Production	Total cubic metres (m³) of 'net' water produced at the installation during the reporting month. This volume is the same as, and consequently should equal the volume of water reported under the headings 'Total Installation Production' and 'Total Prorated Production' as reported on the Monthly Production Statement NF-S1.	

	Water Production = Total Deliveries + Closing Inventory + Metering Difference (+/-) - Total Other Receipts - Opening Inventory
Total Other Receipts	Total cubic metres (m³) of 'net' water received from other sources (external to the installation) during the reporting month. Total Other Receipts = sum of all 'other receipt' volumes.
Opening Inventory	Cubic metres (m³) of 'net' water held in inventory at the beginning of the reporting month. This volume should equal the previous month's closing inventory for water.
Closing Inventory	Cubic metres (m³) of 'net' water held in inventory at the end of the reporting month. This volume should become the next month's opening inventory for water.
Metering Difference (+/-)	Cubic metres (m³) of 'net' water lost or gained due to metering difference during the reporting month. Indicate the sign (- or +) as to whether water volume reported represents a loss or a gain. The volume of water lost or gained due to metering difference is a reflection of metering accuracy and maintenance procedures and consequently should be kept to a minimum.
Total Deliveries	Total cubic metres (m³) of 'net' water delivered in association with oil or otherwise disposed of during the reporting month. Total Deliveries = sum of all water 'delivery' volumes.

4.4 NF-S2a Monthly Tanker Details Worksheet

The NF-S2a conveys additional details related to monthly tanker loadings and shipments and is required to be submitted in support of the NF-S2 Monthly Production Statement.

Additional details reported in this worksheet include tanker status (i.e., whether the tanker is in the process of loading or whether the tanker has shipped), the date shipped, the tanker destination and the volumetric breakdown of product loaded or shipped during the month.

The operator will be required to report the details associated with all tankers receiving deliveries as reported to the associated NF-S2 Monthly Disposition Statement.

Where **assigned codes** are referenced in the following sections, the operator should refer to the appropriate schedule in Appendix C for the applicable coding requirements.

Reference should be made to the PDF version of the NF-S2a statement in Appendix A when following the guidance provided in the subsequent sections. The requirement for submission of the NF-S2a is combined with that for the NF-S2 submission in flat ASCII format as provided in Appendix B.

Header Identification:		
Name and Address of Operator	Indicate the name and mailing address of the operator of the installation.	
Reporting Month Details:		Refer to Appendix C - Schedule A for applicable coding.
Year	Enter the reporting year as a four digit numeral.	
Month	Enter the reporting month as 01 to 12.	
Operator	Enter the assigned alphanumeric code for operator.	
Field	Enter the assigned alphanumeric code for field.	
Region	Enter the assigned alphanumeric code for region.	
Installation	Enter the assigned alphanumeric code for installation.	
Amendment Month Details:		
Year	Enter the amendment year as a four digit numeral.	
Month	Enter the amendment month as 01 to 12.	
Day	Enter the amendment day as 01 to 31.	
Code	Enter the applicable two digit amendment code to indicate the primary reason for the amendment:	
NOTE: Only one code may be used in association with any amended statement or its associated worksheet. If both the NF-S2 and NF-S2a require amendments and more than one reason (code) exists for the change, then use code 99 on both the statement and worksheet as submitted.	Amendment Description:	Code
	• identification codes	01
	• tanker status	25
	• volumes	26
	• date shipped	27
	• destination	28
	• other	50
	• two or more of the above	99

Tanker Details:	
Tanker Name	Enter the tanker name in the space provided.
Tanker ID (Refer to Appendix C - Schedule A for valid coding designations)	Enter the assigned alphanumeric code for the tanker.
Purchaser/WIO Name	Enter the name of the purchaser, working interest owner (WIO) or other in the space provided. Where a tanker is employed by a number of purchasers or working interest owners to effect a combined lift of crude, the operator of the installation should detail in the NF-S2a statement the net volume of crude allocated to each purchaser or working interest owner.
Purchaser/WIO ID (Refer to Appendix C - Schedule A for valid coding designations)	Enter the assigned alphanumeric code for the purchaser/WIO.
Tanker Status	Enter the tanker status as of midnight at the end of the reporting month: - Where the tanker has left with its shipment, enter 'S'. - Where the tanker is in the process of loading, enter 'L'.
Loaded Summary:	Report the volumes loaded during the reporting month. Volumes should be allocated on the basis of each interest owner's percentage in the shipment.
Gross Volume	Enter the gross volume loaded (m ³).
BSW Fraction	Enter the BSW fraction applicable to the loaded volume.
Net Oil Volume	Enter the net oil volume loaded (m ³).
Net Water Volume	Enter the net water volume loaded (m ³).
Date Shipped:	Enter the date the tanker shipped out (yyyymmdd) during the reporting month. Entries should be made in chronological order from the earliest to the latest shipment for the month.
Destination:	Enter the tanker destination for unloading (20 characters).
Shipped Summary:	Report the volumes associated with the tanker shipment.
Gross Volume	Enter the gross volume shipped (m ³).
BSW Fraction	Enter the BSW fraction applicable to the shipped volume.
Net Oil Volume	Enter the net oil volume shipped (m ³).
Net Water Volume	Enter the net water volume shipped (m ³).

Note: For most tanker shipments, the 'Loaded Summary' and 'Shipped Summary' should agree. Only if a tanker is in the process of loading at midnight at the end of the reporting month will these summaries differ. In such instances, the volume loaded up to midnight should be reported. This volume must agree with the volume delivered to the tanker on the NF-S2 for the reporting month. 'Tanker Status' should reveal that the tanker was in the process of loading, and consequently the 'Date Shipped', 'Destination' and 'Shipment Summary' fields should be left blank. For the next month, the NF-S2a should report the incremental volume loaded prior to shipment, and the shipped volume would reflect the combined volumes loaded to the tanker during both months.

4.5 NF-S18 Monthly Injection/Disposal Worksheet

The NF-S18 reports monthly operations on an installation related to water injection/disposal, gas injection, gas storage, LPG storage, solvent floods and EOR injection.

The NF-S18 is divided into four sections which summarize the handling of product associated with the Injection/Disposal Facility. These include:

- 'Details of Receipts' - summarizes receipt of product for injection or disposal purposes.
- 'Details of Injection/Disposal' - summarizes product injection or disposal on a well basis.
- 'Details of Other Deliveries' - summaries the disposition of left over product.
- 'Installation Summary' - summarizes the usage of product associated with the Injection/Disposal Facility.

Whether producing or shut in, all capable injection wells, including experimental, commercial and cyclical wells, should be included on the report.

Where **assigned codes** are referenced in the following sections, the operator should refer to the appropriate schedule in Appendix C for the applicable coding requirements.

Reference should be made to the PDF version of the NF-S18 in Appendix A when following guidance provided in the subsequent sections and the requirement for submission of flat ASCII format of the NF-S18 statement as provided in Appendix B.

Header Identification:		
Name and Address of Operator	Indicate the name and mailing address of the operator of the installation.	
Reporting Month Details:		Refer to Appendix C - Schedule A for applicable coding.
Year	Enter the reporting year as a 4 digit numeral.	
Month	Enter the reporting month as 01 to 12.	
Operator	Enter the assigned alphanumeric code for operator.	
Field	Enter the assigned alphanumeric code for field.	
Region	Enter the assigned alphanumeric code for region.	
Installation	Enter the assigned alphanumeric code for installation.	
Amendment Month Details:		
Year	Enter the amendment year as a four digit numeral.	
Month	Enter the amendment month as 01 to 12.	
Day	Enter the amendment day as 01 to 31.	
Code	Enter the applicable two digit amendment code to indicate the primary reason for the amendment:	
NOTE: Only one code may be used in association with any amended statement or its associated worksheet. If the NF-S18 requires amendment and more than one reason (code)	Amendment Description:	Code
	• identification codes	01
	• hours	03
	• cycle number	04
	• contact information	05

exists for the change, then use code 99 on the statement as submitted.	• receipts	07
	• deliveries	08
	• injection/disposal	09
	• installation summary	10
	• NF-S2/NF-S18 cross balance	12
	• other	50
	• two or more of the above	99
Contact Identification:		
Contact Name	Include the name of the person responsible for the accuracy and integrity of submitted data.	
Date	Enter the year, month and day the data was created.	
Area Code/Telephone	Provide the phone number of the person responsible.	
Well & Pool Identifier (employ only where the receipt volume is directly from a well):	Refer to Appendix C - Schedule B for coding requirements.	
Field (Fld)	4 - field alphanumeric character	
Unit (U)	1 - field alphanumeric character (A through P)	
Section (Sec)	3 - field numeric character (001 through 100)	
Sequence of well (Seq)	3 - field numeric character (001 through 999)	
Sidetrack (S)	1 - field alphanumeric character (blank, Z through A)	
Well Name	Enter the operator designated well name.	
Pool	6 - field alphanumeric code	
Installation ID (Refer to Appendix C - Schedule A for valid coding designations)	Enter the installation ID where the receipt of fluid is from an installation, tanker or pipeline.	
Receipt Type Code: (Refer to Appendix C - Schedule D for additional coding designations which may exist)	Enter the two digit 'Receipt Type' code to identify the type of fluid transaction other than from a well or installation	
	Description	Code
	• Seawater for injection	22

Note: One and only one of the above three categories (Well & Pool Identifier, Installation ID or Receipt Type Code) should be employed for any given 'Receipt Volume'.

Receipt Fluid Code: (Refer to Appendix C - Schedule E for additional fluid coding designations)	Enter the two digit 'Receipt Fluid' code to identify the type of fluid received at the installation during the reporting month. Typical fluids received would include:		
	Description	Code	Units
	• Gas	02	10 ³ m ³
	• Water	06	m ³
	• Waste (e.g., cuttings)	08	m ³
Receipt Volume:	• Solvent	09	10 ³ m ³
	Enter the volume of fluid received from each source. Report in m ³ or 10 ³ m ³ , corresponding to the units for the type of fluid.		
Gas Equivalent Factor	Applicable only for the fluids listed below.		
	The multiplier used to convert 1 m ³ of liquid into the volume of gas that the liquid would occupy in a gaseous state in 1000 m ³ as available from the NGPSA Data Book, with a minimum accuracy required of three decimal places. This is applicable only to the following fluids:		
	Fluid	Code	
	• LPG	16	

	• Condensate	18
	• Propane	53
	• Butanes	54
	• Ethane	55
	• Ethane plus	56
	• Pentanes plus	57
	The gas equivalent factor should be based on an analysis of a representative sample of the fluid received. The analysis and factor should further be updated annually or more frequently if the composition varies.	
Volume	Enter the gas equivalent volume (10^3 m^3).	
	Gas Equivalent Volume = Gas Equivalent Factor x Receipt Volume.	
Details of Injection/Disposal:		
Well & Pool Identifier:	Refer to Appendix C - Schedule B for coding requirements.	
Field (Fld)	4 - field alphanumeric character	
Unit (U)	1 - field alphanumeric character (A through P)	
Section (Sec)	3 - field numeric character (001 through 100)	
Sequence of well (Seq)	3 - field numeric character (001 through 999)	
Sidetrack (S)	1 - field alphanumeric character (blank, Z through A)	
Well Name	Enter the operator designated well name.	
Pool	6 - field alphanumeric code	
Cycle Number:	For wells involved in cycling operations, enter the cycle number. Where cycling operations are conducted: • repeat the well and pool identifier for each cycle number; and • enter a consecutive number for each cycle commencing with cycle # 1 for the first month in which injection operations occur at a cyclical well.	
Warm-Up Code	Applicable to heavy oil operations employing steam stimulation only, this single digit code is used to identify warm-up operations prior to commencement of a new cycle. Where such operations are conducted: • the operator is to assign codes A to Z sequentially within a specified cycle number; and • ensure that the well and pool identifier, cycle number, CCI code, hours injected and WHP are entered in association with each warm up phase.	
CCI Code	Consecutive or concurrent injection code (single digit) for injection of two or more fluids into a pool at a well. Where two or more fluids are injected into a pool at a well: • codes 1 to 6 are used to retain injection information according to the line on which it is reported; • if two or three fluids are injected concurrently, enter the fluids on the same line with CCI code 1; • if four to six fluids are injected concurrently, enter three fluids on the first line with CCI code 1 and the remaining fluids on a second line with CCI code 2; and	

	if two or more fluids are injected consecutively, enter each fluid on a separate line with consecutive CCI codes, commencing with 1 for the first fluid. Note: The CCI code is left blank if the well injects <u>only one fluid</u> during the month.		
Steam Quality %	Report as a whole number the average quality of steam volume injected during the month, expressed as a percentage.		
Hours Injected	Report to the nearest hour the total hours of injection or disposal during the month. Ensure that hours for the production phase of a cyclical well are excluded. Note: The sum of hours associated with the production and injection cycles for a given well should not exceed the hours available in the given month.		
WHP (kPag)	Report as a whole number the average wellhead pressure during the month.		
Injection/Disposal Fluid: (Refer to Appendix C - Schedule E for additional fluid coding designations)	Enter the two digit 'Fluid' code to identify the type of fluid injected or disposed during the month. Typical fluids received would include:		
	Description	Code	Units
	• Gas	02	10 ³ m ³
	• Water	06	m ³
	• Waste (e.g., cuttings)	08	m ³
	• Solvent ³	09	m ³
	• Steam ⁴	10	m ³
	• Air	11	10 ³ m ³
	• Nitrogen	15	10 ³ m ³
	• Xylene	70	m ³
Volume	Volume of each fluid injected or disposed to each well during the month (m ³ or 10 ³ m ³ corresponding to the fluid).		
Details of Other Deliveries:			
Installation ID (Refer to Appendix C - Schedule A for valid coding designations)	Enter the 'installation ID' to identify the destination of the fluid being delivered.		
Delivery Type (Refer to Appendix C - Schedule D for additional coding designations which may exist)	Enter the two digit 'Delivery Type' code to identify the type of transaction other than to an installation. Typical transactions include:		
	Description	Code	
	• Spills	04	
	• Water discharged to sea	07	
	• Fire	08	

Note: In association with a given delivery volume, enter either the 'Installation ID', or 'Delivery Type', but not both.

³ Includes LPG, condensate, propane, butanes, ethane, ethane plus, and pentanes plus, which are converted to gas equivalent and summed as solvent.

⁴ Cold water equivalent volume.

Delivery Type (Refer to Appendix C - Schedule E for additional fluid coding designations)	Enter the two digit 'Delivery Fluid' code to identify the type of fluid delivered or otherwise disposed of during the month. Typical fluids include:		
	Description	Code	Units
	• Gas	02	10 ³ m ³
	• Oil	03	m ³
	• Water	06	m ³
	• Waste (cuttings)	08	m ³
	• Diesel Oil	58	m ³
Delivery Volume	Enter the volume (m ³ or 10 ³ m ³) of the fluid either delivered or otherwise disposed.		
Installation Summary:			
Summary Fluid: (Refer to Appendix C - Schedule E for additional fluid coding designations)	Enter the two digit 'Summary Fluid' code to identify the type of fluid received at the installation during the month. Typical fluids include:		
	Description	Code	Units
	• Gas	02	10 ³ m ³
	• Water	06	m ³
	• Waste (cuttings)	08	m ³
	• Solvent ⁵	09	m ³
	• Diesel Oil	58	m ³
Total Receipts:	Enter the total volume of a particular fluid received at an installation during the month. The sum of receipts for each fluid reported under 'Details of Receipts' should balance against 'Total Receipts' for that fluid, except for solvent which would include a combination of fluids as detailed below. Total Receipts for solvent = solvent (code 09) + LPG (code 16) + condensate (code 18) + propane (code 53) + butanes (code 54) + ethane (code 55) + ethane plus (code 56) + pentanes plus (code 57). Note: Inventories of LPG, condensate, propane, butane, ethane, ethane plus, pentanes plus are reported in gas equivalent volumes as solvent, summary fluid 09.		
Opening Inventory:	Enter the total volume by fluid held in inventory at the injection/disposal facility at the beginning of the month. ⁶		

⁵ Includes LPG, condensate, propane, butanes, ethane, ethane plus, and pentanes plus, which should be converted to gas equivalent and summed together with solvent - summary fluid 09.

⁶ Inventories of LPG, condensate, propane, butane, ethane, ethane plus, pentanes plus are reported in gas equivalent volumes as solvent, summary fluid 09

Closing Inventory:	Enter the total volume by fluid held in inventory at the injection/disposal facility at the end of the month. ⁷
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Note: Employ 'Opening Inventory' and 'Closing Inventory' above to report the storage of fluids required for injection purposes.

Total Other Receipts:	Enter the total volume by fluid transferred to other installations or otherwise disposed of. The sum of delivery volumes for each fluid listed under 'Details of Other Deliveries' should balance against the volume delivered under 'Total Other Deliveries' for that fluid.
Flared:	Thousands of cubic metres (10 ³ m ³) of gas flared at the injection/disposal installation during the month.

Note: Where an installation platform is comprised of integrated production and injection/disposal facilities with a common flare system, volumes of gas flared should be left blank on the NF-S18 statement and reported only on the NF-S2 statement.

Fuel:	Thousands of cubic metres (10 ³ m ³) of gas used as fuel at the injection/disposal installation during the month.
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Note: Where an installation platform is comprised of integrated production and injection/disposal facilities, volumes of gas used as fuel should be left blank on the NF-S18 statement and reported only on the NF-S2 statement.

Metering Difference (+/-):	Enter any fluid volume unaccounted for due to metering difference. This would include those minor volumes attributed to unaccounted losses or simply the differences in meter accuracies. If the volume reported is negative, enter a minus sign (-) in the space provided.
Total Injection/Disposal Volume:	Enter the total volume by fluid disposed or injected to wells during the month. The sum of volumes for each fluid detailed under 'Details of Injection/Disposal' should balance against the 'Total Injection/Disposal Volume' for that fluid with the exception of steam, alkaline water and miscellar, which are summed together as water (fluid code 06). 'Total Injection/Disposal Volume' should balance against all other totals for fluids reported, i.e.: Total Injection/Disposal = Total Receipts + Opening Inventory - Closing Inventory - Total Other Deliveries - Flared - Fuel - Metering Difference (+ or -)

⁷ Inventories of LPG, condensate, propane, butane, ethane, ethane plus, pentanes plus are reported in gas equivalent volumes as solvent, summary fluid 09

Appendix A – PDF Format

This section contains the prescribed formats for PDF submission of the NF-S1, NF-S1a, NF-S2, NF-S2a and NF-S18 monthly statements and worksheets.

The data contained in the statements and worksheets in Appendix A have been fabricated and are provided for illustrative purposes only.

General Requirements applicable to all statements or work sheets:

- The formats provided serve as templates from which an operator should design its reporting system. Each statement or worksheet consists of 'header' information, one or more 'data' sections specific to the statement or worksheet, and 'contact' information.
- The 'header' located on the top of each page identifies the operator, producing year/month, field region, installation, amendment status and page number. The 'header' must be repeated on each page of the statement or worksheet.
- The data portion of the statement or worksheet is arranged into one or more 'data' sections. Each 'data' section should be completed before another is started with summary data, such as totals being provided at the end of each 'data' section.
- The 'contact' information identifies the contact person designated by the operator to be responsible for the data submitted to the *Regulator*. The 'contact' information must be entered on the last page of the statement or worksheet. Each statement or worksheet must be verified by the person responsible for the accuracy and integrity of the data.

Pursuant to section 198 of the *Framework Regulations*, the operator must submit the monthly production report to the *Regulator* no later than the 15th day of the month following the month of production.

Scenario for Testing Submission Compliance

This 'field scenario' has been created for the purpose of testing an operator's compliance with the *Regulator's* format submission requirements prior to a field going into production. The scenario is based on fictitious data for a field 'ABC' producing in the North Grand Banks (NGB) region offshore Newfoundland and Labrador and operated by operator 'OPRT'. The producing month is March 2000, during which the field commenced production. The field went into production with seven wells: four oil producers, two gas injectors and one water injector. The statements suggest a single integrated production installation - ABCI01 with an associated on-line 'injection facility' – ABCI01I.

An operator is requested to duplicate the three statements (NF-S1, NF-S2 and NF-S18) and the two worksheets (NF-S1a, NF-S2a) provided in Appendix A, and construct the ASCII file that goes along with each submission, as per Appendix B. The intent is to identify and correct as many errors as possible in an operator's reporting system prior to initiating production. Testing for compliance should commence three months prior to anticipated production.

Appendix A
NF-S1 Monthly Production Statement
(Newfoundland Offshore Area)

 CANADA-NEWFOUNDLAND and LABRADOR OFFSHORE PETROLEUM BOARD	NF-S1 MONTHLY PRODUCTION STATEMENT Newfoundland Offshore Area																						
	Year Month Operator Field Region Installation						Amendment				Page												
	2000 03 OPRT ABC NGB ABCI01						Year Month Day Code				1 of 1												
Gas Volumes in 10 ³ m ³ @ 101.326 kPa and 15 ^o C/Liquid Volumes in m ³ @101.325 kPa and 15 ^o C Assigned Areas for Volumetrics Data Are Deemed To Be Reported as 0.0 if Left Blank																							
Well - Pool Identifiers							Water-Gas Ratio Tst		Gas- Oil Ratio	C Y C	C N D	Estimated			Measured				Prorated				
Fld	U	Sec	Seq	S	Well Name	Pool	Date	Ratio				Oil/Cnd	Gas	Water	Hrs	Oil/Cnd	Gas	Water	Hrs	N/T	Oil/Cnd	Gas	Water
ABC	J	020	001		TEST WELL - PROD #1	RKNB2					N	260152.0	33300.0					720	2	251841.0	29725.7	0.0	
ABC	J	020	002	Z	TEST WELL - PROD #2	RKNB2					N	161729.0	20701.0					420	1	156562.3	18479.1	0.0	
ABC	J	020	003		TEST WELL - GINJ #1	RKNB2					N	2500.0	320.0					20	1	2420.1	285.7	0.0	
ABC	J	020	004		TEST WELL - GINJ #2	RKNB2					N	1867.0	239.0					16	1	1807.4	213.3	0.0	
ABC	N	015	001		TEST WELL - PROD #3	RKNB3					N	216993.0	30379.0					612	2	210060.8	27118.2	0.0	
ABC	N	015	002		TEST WELL - WINJ #1	RKNB3					N	2700.0	378.0					20	1	2613.7	337.4	0.0	
ABC	N	015	003	Z	TEST WELL - PROD #4	RKNB3					N	68500.0	9590.0	11417.0				276	1	66311.7	8560.6	11545.0	
							Totals						714441.0	94907.0	11417.0		0.0	0.0	0.0		691617.0	84720.0	11545.0
																		Oil/Cnd	Gas	Water			
Proration Factors																		0.96805	0.89266	1.01121			
Total Installation Production																		691617.0	84720.0	11545.0			

Contact Name	Area Code	Telephone
Jane Smith	(709)	222-3355
Signature		Date

Appendix A
NF-S1a Monthly Test Proration Worksheet
(Newfoundland Offshore Area)

CANADA-NEWFOUNDLAND and LABRADOR OFFSHORE PETROLEUM BOARD										NF-S1a MONTHLY TEST PRORATION WORKSHEET										
Name and Address of Operator 'Field Operator'										Year	Month	Operator	Field	Region	Installation	Amendment				Page
										2000	3	OPRT	ABC	NGB	ABCI01	Year	Month	Day	Code	1 of 1
Well Identifier										'Name of Installation'										
Field Unit Section Sequence Sidetrack										Pool id Installation Name										
Field Unit Section Sequence Sidetrack										Pool Pool										
Test Summary															Main Production Summary					
Test Date YYYYMMDD	Rate Reduction Y/N	Test Duration Hrs	Hours of Stabilized Flow	Stabilized Flow - Rate Summary Oil/Cnd m³/d	Gas 10³m³/d	Water m³/d	P _{res} kPaa	P _{opt} kPaa	P _{wf} kPaa	P _{wh} kPaa	P _c kPaa	Backpressure Coeff. / Productivity Index Downhole Wellhead (refer to guidelines for units)	Hours On	Pressure Summary P _{wf} kPaa P _{wh} kPaa	Estimated Production Oil/Cnd m³ Gas 10³m³ Water m³					
ABC	J	20	1				RKNB2													
20000302	Y	12	8	3024.00	387.07	0.00	40000	28000	38200			1.68000*	336	35000	114912.0 14709.0 0.0					
20000316	Y	10	6	3000.00	384.00	0.00	39600	28000	37814			1.68000*	384	34100	145240.0 18591.0 0.0					
Totals													720		260152.0 33300.0 0.0					
ABC	J	20	2	Z			RKNB2													
20000314	Y	14	6	3200.00	409.60	0.00	39650	28000	37872			1.80000*	420	34400	161729.0 20701.0 0.0					
Totals													420		161729.0 20701.0 0.0					
ABC	J	20	3				RKNB2													
20000315	N	20	8	3000.00	384.00	0.00	39600	28000	37600			1.50000*	20	37600	2500.0 320.0 0.0					
Totals													20		2500.0 320.0 0.0					
ABC	J	20	4				RKNB2													
20000318	N	16	6	2800.00	358.40	0.00	39600	28000	37850			1.60000*	16	37850	1867.0 239.0 0.0					
Totals													16		1867.0 239.0 0.0					
ABC	N	15	1				RKNB3													
20000306	Y	20	8	3180.00	445.20	0.00	41000	26000	39410			2.00000*	360	37000	115983.0 16238.0 0.0					
20000321	Y	14	6	3160.00	442.40	0.00	40500	26000	38920			2.00000*	252	35500	101010.0 14141.0 0.0					
Totals													612		216993.0 30379.0 0.0					
ABC	N	15	2				RKNB3													
20000319	N	20	10	3240.00	453.60	0.00	40500	26000	39027			2.20000*	20	39027	2700.0 378.0 0.0					
Totals													20		2700.0 378.0 0.0					
ABC	N	15	3	Z			RKNB3													
20000320	Y	20	10	2400.00	336.00	400.00	40500	26000	39100			1.71429*	276	37000	68500.0 9590.0 11417.0					
Totals													276		68500.0 9590.0 11417.0					
* Expressed in terms of Productivity Index in units of m³/d/kPa																				

Contact Name	Area Code	Phone Number
Jane Smith	709	222-3355
Signature		Date

Appendix A
NF-S2 Monthly Production Statement
(Newfoundland Offshore Area)

CANADA-NEWFOUNDLAND and LABRADOR OFFSHORE PETROLEUM BOARD													
Field Operator		NF-S2											
		MONTHLY DISPOSITION STATEMENT											
		Newfoundland Offshore Area		Year	Month	Operator	Field	Region	Installation	Amendment			Page
				2000	03	OPRT	ABC	NGB	ABCI01	Year	Month	Day	Code
Gas Volumes in 10 ³ m ³ @ 101.326 kPa and 15°C/Liquid Volumes in m ³ @101.325 kPa and 15°C Assigned Areas for Volumetrics Data Are Deemed To Be Reported as 0.0 if Left Blank													
Oil													
Other Receipts				Deliveries									
Tanker/PipeLine/Inst Code	Rec Type	Volume	Name of Purchaser/WIO or Other	Purchaser or WIO	Tanker/PipeLine/Inst Code	Del Type	Volume						
			NAME OF PURCHASER	X01	KOMETIK		353977.0						
			NAME OF PURCHASER	X01	MATTEA		54854.0						
			NAME OF PURCHASER	X02	MATTEA		106891.0						
			NAME OF PURCHASER	X03	MATTEA		106891.0						
Oil Production		Total Other Rcpts	Opening Inventory	Closing Inventory			Total Deliveries						
691617.0		0.0	0.0	69004.0			622613.0						
Gas													
Other Receipts				Deliveries									
Tanker/PipeLine/Inst Code	Rec Type	Volume	Name of Purchaser/WIO or Other	Purchaser or WIO	Tanker/PipeLine/Inst Code	Del Type	Volume						
			FIELD OPERATOR	X00	ABCI01I		62500.0						
Gas Production		Total Other Rcpts	Gas Lift Gas Recovered	Fuel	Flared	Vented	Meter Diff (+/-)	Total Deliveries					
84720.0		0.0	0.0	7300.0	14920.0	0.0	0.0	62500.0					
Water													
Other Receipts				Deliveries									
Tanker/PipeLine/Inst Code	Rec Type	Volume	Name of Purchaser/WIO or Other	Purchaser or WIO	Tanker/PipeLine/Inst Code	Del Type	Volume						
			NAME OF PURCHASER	X01	KOMETIK		563.0						
			NAME OF PURCHASER	X01	MATTEA		77.0						
			NAME OF PURCHASER	X02	MATTEA		152.0						
			NAME OF PURCHASER	X03	MATTEA		152.0						
						07	9196.0						
Water Production		Total Other Rcpts	Opening Inventory	Closing Inventory			Meter Diff (+/-)	Total Deliveries					
11545.0		0.0	0.0	1405.0			0.0	10140.0					

Contact Name	Area Code	Telephone
Jane Smith	(709)	222-3355
Signature		Date

Appendix A
NF-S18 Monthly Injection/Disposal Statement
(Newfoundland Offshore Area)

CANADA-NEWFOUNDLAND and LABRADOR OFFSHORE PETROLEUM BOARD																					
NF-S18 MONTHLY INJECTION/DISPOSAL STATEMENT Newfoundland Offshore Area																					
Field Operator																					
												Amendment				Page					
												Year		Month		Day		Code		1 of 1	
Gas Volumes in 10³m³ @ 101.326 kPa and 15°C/Liquid Volumes in m³ @101.325 kPa and 15°C Assigned Areas for Volumetrics Data Are Deemed To Be Reported as 0.0 if Left Blank																					
Details of Receipts																					
Well - Pool Identifiers																					
						Installation	Receipt Type	Receipt Fluid	Receipt Volume	Gas Equivalent											
Fld	U	Sec	Seq	S	Well Name	Pool						Factor	Volume								
Details of Injection/Disposal																					
Well Identifiers																					
						Pool	Cycle Number	Warm-up Code	CCI Code	Steam Quality %	Hours Injected	WHP (kpa)	Injection/Disposal		Injection/Disposal		Injection/Disposal				
Fld	U	Sec	Seq	S	Well Name								Fluid	Volume	Fluid	Volume	Fluid	Volume			
ABC	J	020	003		TEST WELL - GINJ #1	RKNB2					240	32000	02	34722.2							
ABC	J	020	004		TEST WELL - GINJ #2	RKNB2					192	32000	02	27777.8							
ABC	N	015	002		TEST WELL - WINJ #1	RKNB3					240	20000	06	10629.0							
Installation Summary																					
Summary Fluid		Total Receipts				Opening Inventory		Closing Inventory		Total Other Deliveries		Flared	Fuel	Metering Difference (+/-)		Total Inj/Disp Volume					
02		62500.0														62500.0					
06		10629.0														10629.0					

Contact Name		Area Code	Telephone
Jane Smith		(709)	222-3355
Signature		Date	

Appendix A
NF-S2a Monthly Tanker Details Worksheet
(Newfoundland Offshore Area)

 CANADA-NEWFOUNDLAND and LABRADOR OFFSHORE PETROLEUM BOARD	NF-S2a Monthly Tanker Shipment Details Worksheet													
	Name and Address of Operator										Page			
	'Field Operator'										1 of 1			
Name of Installation' Installation Name														
Tanker Name	Tanker Code	Name of Purchaser/WIO or Other	Purchaser or WIO Code	Tanker Status	Loaded				Date Shipped YYYYMMDD	Destination	Shipped			
					Gross Volume m ³	BSW Fraction	Net Oil Volume m ³	Net Water Volume m ³			Gross Volume m ³	BSW Fraction	Net Oil Volume m ³	Net Water Volume m ³
Kometik	KOMETIK	Name of Purchaser	X01	S	134350.0	0.0003722	134300.0	50.0	20000310	Transshipment Port	134350.0	0.0003722	134300.0	50.0
Mattea	MATTEA	Name of Purchaser	X01	S	27414.0	0.0005209	27400.0	14.0	20000315	Transshipment Port	27414.0	0.0005209	27400.0	14.0
Mattea	MATTEA	Name of Purchaser	X02	S	53489.0	0.0005209	53461.0	28.0	20000315	Transshipment Port	53489.0	0.0005209	53461.0	28.0
Mattea	MATTEA	Name of Purchaser	X03	S	53489.0	0.0005209	53461.0	28.0	20000315	Transshipment Port	53489.0	0.0005209	53461.0	28.0
Kometik	KOMETIK	Name of Purchaser	X01	S	134625.0	0.0021764	134332.0	293.0	20000319	Transshipment Port	134625.0	0.0021764	134332.0	293.0
Mattea	MATTEA	Name of Purchaser	X01	S	27517.0	0.0023027	27454.0	63.0	20000325	Transshipment Port	27517.0	0.0023027	27454.0	63.0
Mattea	MATTEA	Name of Purchaser	X02	S	53554.0	0.0023027	53430.0	124.0	20000325	Transshipment Port	53554.0	0.0023027	53430.0	124.0
Mattea	MATTEA	Name of Purchaser	X03	S	53554.0	0.0023027	53430.0	124.0	20000325	Transshipment Port	53554.0	0.0023027	53430.0	124.0
Kometik	KOMETIK	Name of Purchaser	X01	L	85565.0	0.0025711	85345.0	220.0						

Contact Name	Area Code	Phone Number
Jane Smith	709	222-3355
Signature		Date

Appendix B – Flat ASCII Format

The following pages highlight the structure of data records required for electronic submission of statement and worksheet data to the *Regulator* for input into the *Regulator's* production accounting database.

The following guidance is provided:

- The format should consist of a single data file comprised of data records that make up the required statements and worksheets.
- The current production month's NF-S1, NF-S1a, NF-S2, NF-S2a, and NF-S18 data should be submitted as a separate data file to any amendments submitted for prior months.
- The following rules should be applied to the creation of a data file:
 - It should be in ASCII formatted flat file (text only); i.e., no commas or decimals within the data records.
 - It should start with the header record (N000) unique to the creation date of that file.
 - The statements for the producing year/month should follow in the sequence NF-S1 records first, followed by NF-S2 records, then NF-S18 records.
- Where amendment data is contained within a data file, the complete data set consisting of all statements and associated worksheet records should be submitted regardless of whether if it is affected by amended data or not.
- Within each statement, the data records should follow in proper sequence; i.e., the data records for the NF-S1 statement should follow the sequence N011, N012, N015, ending with N019.
- Do not include data records where data does not exist.
- The data records that make up the data file should be no longer than 180 bytes in length, and ended with a single end-of-line carriage return.
- Each data record is typically comprised of multiple data elements. An element will have a fixed length of so many characters or bytes and may be numeric or alphanumeric in nature. Numeric data elements are right justified while alphanumeric data elements are left justified. A numeric data element will have a format of 9(x)v9(y) with 'x' representing the number of places before the decimal and 'y' representing the number of places after the decimal. 'x' + 'y' should equal the length of the data element. An alphanumeric data element will have a format of X(x) with 'x' representing the length of the data element. All alphanumeric data elements should be upper case where the data element represents an ID or code.
- Where codes are required, please ensure that the required number of digits is provided.
- The data file should be terminated with a single end-of-line carriage return.
- The data file should be submitted to the *Regulator* via email.
- The operator should verify the accuracy and contents of the data file each month prior to submission to the *Regulator*.

An example of a 'data file' as required by the *Regulator* is provided at the end of Appendix B. This 'data file' represents real data as submitted by the operator of the Hibernia Field in association with the March 1999 Production Month for that field.

Note: All operators will be required to check for compliance of their reporting system with the *Regulator's* reporting requirements. Please refer to Appendix A for the basis for testing compliance.

Submission Format:

Header Record (Record Type N000)

Each data file should contain a header record (record type N000) which will indicate the creation date and time the file was created, as well as the company name and processing year and current month for processing purposes.

Element Name	Start Position	Length	Format	Comments
Processing year/month	1	6	X(6)	'YYYYMM'
Operator id	7	7	X(7)	
Filler	14	17	X(17)	'blank'
Record type	31	4	X(4)	'N000'
Company name	35	56	X(56)	
Data creation date	91	8	9(8)	'YYYYMMDD'
Data creation time	99	6	9(6)	'HHMMSS'
Filler	105	76	X(76)	'blank'

Note: The 'Data creation date' and 'Data creation time' is unique to the data file as created or amended. The 'Data creation date' cannot precede either the 'Statement year/month' or the 'Amendment date' input on subsequent statement records.

NF-S1 Monthly Production Statement

The monthly production statement consists of up to four record types:

- Well detail records for reporting individual well production data (one or more records) -- 'N011'.
- Installation total record for reporting installation total production data (one record) -- 'N012'.
- Test proration details records for reporting individual well test details (one or more records) -- 'N015'.
- Installation contact record for reporting the name and contact details of the person to be contacted in case of a reporting discrepancy (one record) -- 'N019'.

a. S-1 Record description - Well Details (Record Type N011)

Element Name	Start Position	Length	Format	Comments
Statement year/month	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'

Element Name	Start Position	Length	Format	Comments
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	'N011'
Well ID - Field	35	4	X(4)	
Well ID - Unit	39	1	X(1)	
Well ID - Section	40	3	9(3)	
Well ID - Sequence	43	3	9(3)	
Well ID - Sidetrack	46	1	X(1)	
Pool ID	47	6	X(6)	
Water-gas ratio date	53	8	9(8)	'YYYYMMDD'
Water-gas ratio	61	6	9v9(5)	
Gas-oil ratio	67	4	9(3)v9	
Cycle number	71	2	9(2)	
Condensate flag	73	1	X(1)	'Y - condensate, N - oil'
Estimated oil/condensate	74	8	9(7)v9	
Estimated gas	82	8	9(7)v9	
Estimated water	90	8	9(7)v9	
Measured hours produced	98	3	9(3)	
Measured oil/condensate	101	8	9(7)v9	
Measured gas	109	8	9(7)v9	
Measured water	117	8	9(7)v9	
Prorated hours produced	125	3	9(3)	
Number of tests taken	128	2	X(2)	
Prorated oil/condensate	130	8	9(7)v9	
Prorated gas	138	8	9(7)v9	
Prorated water	146	8	9(7)v9	
Filler	154	27	X(27)	'blank'

b. S-1 Record Description - Installation Total (Record Type N012)

Element Name	Start Position	Length	Format	Comments
Statement year/month	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	'N012'
Total estimated oil/condensate	35	9	9(8)v9	
Total estimated gas	44	9	9(8)v9	
Total estimated water	53	9	9(8)v9	
Total measured oil/condensate	62	9	9(8)v9	
Total measured gas	71	9	9(8)v9	
Total measured water	80	9	9(8)v9	
Oil/condensate proration factor	89	7	9(2)v9(5)	
Gas proration factor	96	7	9(2)v9(5)	
Water proration factor	103	7	9(2)v9(5)	
Total prorated* oil/condensate	110	9	9(8)v9	

Element Name	Start Position	Length	Format	Comments
Total prorated* gas	119	9	9(8)v9	
Total prorated* water	128	9	9(8)v9	
Filler	137	44	X(44)	'blank'

* The sum of prorated production allocated to wells on the N011 records must equal the total(s) for prorated production reported here.

c. S-1 Record Description - Test Proration Details (Record Type N015)

These data records are required in support of the Monthly Production Statement.

Element Name	Start Position	Length	Format	Comments
Statement year/month	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	'N015'
Well ID - Field	35	4	X(4)	
Well ID - Unit	39	1	X(1)	
Well ID - Section	40	3	9(3)	
Well ID - Sequence	43	3	9(3)	
Well ID - Sidetrack	46	1	X(1)	
Pool ID	47	6	X(6)	
Test date	53	8	9(8)	'YYYYMMDD'
Rate reduction	61	1	X(1)	Y/N
Test duration	62	3	9(3)	
Stabilized flow duration - test	65	3	9(3)	
Oil/condensate rate - test	68	8	9(6)v9(2)	
Gas rate - test	76	8	9(6)v9(2)	Less gas lift gas
Water rate - test	84	8	9(6)v9(2)	
Reservoir pressure	92	5	9(5)	
Reservoir bubble point pressure	97	5	9(5)	
Flowing bottomhole pressure - test	102	5	9(5)	
Flowing wellhead pressure - test	107	5	9(5)	
Static wellhead shut-in pressure - test	112	5	9(5)	
Backpressure coefficient-downhole - test	117	7	9(2)v9(5)	
Backpressure coefficient-wellhead - test	124	7	9(2)v9(5)	
Producing hours - main flow	131	3	9(3)	
Flowing bottomhole pressure - main flow	134	5	9(5)	
Flowing wellhead pressure - main flow	139	5	9(5)	
Estimated production* oil/condensate	144	8	9(7)v9	
Estimated production* gas	152	8	9(7)v9	
Estimated production* water	160	8	9(7)v9	
Filler	168	13	X(13)	'blank'

* The estimated production for oil, gas and water above when summed from test to test should equal the estimated production of oil, gas and water for a well as reported on the N011 record for the producing month.

d. S-1 Record Description - Installation Contact (Record Type N019)

Element Name	Start Position	Length	Format	Comments
Statement yr/mth	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	'N019'
Contact name	35	20	X(20)	
Contact telephone	55	10	9(10)	
Filler	65	116	X(116)	'blank'

NF-S2 Monthly Disposition Statement

The Monthly Disposition Statement consists of up to five distinct record types:

- product receipts records* (one or more records) -- 'N021'
- product deliveries records* (one or more records) -- 'N022'
- product totals record* (one record) -- 'N023'
- tanker shipment details records (one or more records) -- 'N025'
- installation contact record for reporting the name and contact details of the person to be contacted in case of a reporting discrepancy (one record) -- 'N029'.

*** The N021, N022 and N023 records require use of a product code to identify the product as oil, gas or water.**

a. S-2 Record Description - Product Receipts (Record Type N021)

Element Name	Start Position	Length	Format	Comments
Statement yr/mth	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	'N021'
Product code	35	2	X(2)	01-Oil, 02-Gas, 03-Water
Product other receipts-t/p/i ID	37	7	X(7)	Appendix C, Schedule (a)
Product other receipts-receipt type	44	2	9(2)	
Product other receipts-volume	46	9	9(8)v9	
Filler	55	126	X(126)	'blank'

b. S-2 Record Description - Product Deliveries (Record Type N022)

Element Name	Start Position	Length	Format	Comments
Statement year/month	1	6	9(6)	'YYYYMM'

Element Name	Start Position	Length	Format	Comments
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	'N022'
Product code	35	2	X(2)	01-Oil, 02-Gas, 03-Water
Product delivery-purchaser ID	37	3	X(3)	Appendix C, Schedule (a)
Product delivery- t/p/i ID	40	7	X(7)	Appendix C, Schedule (a)
Product delivery-delivery type	47	2	9(2)	
Product delivery-volume	49	9	9(8)v9	
Filler	58	123	X(123)	'blank'

c. S-2 Record Description - Product Totals (Record Type N023)

Element Name	Start Position	Length	Format	Comments
Statement year/month	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	'N023'
Product code	35	2	X(2)	01-Oil, 02-Gas, 03-Water
Production volume	37	9	9(8)v9	Oil,Gas,Water
Other receipts	46	9	9(8)v9	Oil,Gas,Water
Opening inventory	55	9	9(8)v9	Oil,Water
Closing inventory	64	9	9(8)v9	Oil,Water
Artificial lift gas recovered	73	7	9(6)v9	Gas
Fuel	80	7	9(6)v9	Gas
Flared	87	7	9(6)v9	Gas
Vented	94	7	9(6)v9	Gas
Metering difference	101	7	9(6)v9	Gas,Water
Metering difference sign	108	1	X(1)	Gas,Water
Total deliveries	109	9	9(8)v9	Oil,Gas,Water
Filler	118	63	X(63)	'blank'

*** The 'production volume' reported above for oil, gas and water represents the 'Total Installation Production ' for oil, gas and water carried forward and reported on the NF-S1 statement.**

d. S-2 Record Description - Tanker Shipment Details (Record Type N025)

These data records are required in support on the Monthly Disposition Statement.

Element Name	Start Position	Length	Format	Comments
Statement year/month	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	

Element Name	Start Position	Length	Format	Comments
Record type	31	4	X(4)	'N025'
Tanker name	35	15	X(15)	
Tanker ID	50	7	X(7)	
Name of Purchaser/WIO	57	20	X(20)	
Purchaser/WIO ID	77	3	X(3)	
Tanker status*	80	1	X(1)	L-loading, S-shipped
Gross volume loaded	81	9	9(8)v9	
BSW fraction loaded	90	8	9v9(7)	
Net oil volume loaded	98	9	9(8)v9	
Net water volume loaded	107	9	9(8)v9	
Date shipped	116	8	9(8)	'YYYYMMDD'
Destination	124	20	X(20)	
Gross volume shipped	144	9	9(8)v9	
BSW fraction shipped	153	8	9v9(7)	
Net oil volume shipped	161	9	9(8)v9	
Net water volume shipped	170	9	9(8)v9	
Filler	179	2	X(2)	'blank'

* Where 'L' is coded indicating the tanker in question was in the process of loading at month end, the data entry fields including 'Date shipped' through to 'Net water volume shipped' should be left blank.

e. S-2 Record Description - Installation Contact Data (Record Type N029)

Element Name	Start Position	Length	Format	Comments
Statement year/month	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	
Contact name	35	20	X(20)	
Contact telephone	55	10	9(10)	
Filler	65	116	X(116)	'blank'

NF-S18 Monthly Injection/Disposal Statement

The Monthly Injection/Disposal Statement consists of up to five distinct record types:

- details of receipt records (one or more records) -- 'N181'
- details of injection/disposal records (one or more records) -- 'N182'
- details of other deliveries records (one or more records) -- 'N183'
- installation summary record (one record) -- 'N184'
- installation contact record (one record) -- 'N189'.

a. S-18 Record Description - Details of Receipts (Record Type N181)

Element Name	Start Position	Length	Format	Comments
Statement year/month	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	'N181'
Source water well ID - Field	35	4	X(4)	
Source water well ID - Unit	39	1	X(1)	
Source water well ID - Section	40	3	9(3)	
Source water well ID - Sequence	43	3	9(3)	
Source water well ID - Sidetrack	46	1	X(1)	
Pool ID	47	6	X(6)	
Receipt installation ID	53	7	X(7)	
Receipt type	60	2	9(2)	
Receipt fluid	62	2	9(2)	
Receipt volume	64	9	9(8)v9	
Gas equivalent-factor	73	6	9v9(5)	
Gas equivalent-volume	79	9	9(8)v9	
Filler	88	93	X(93)	'blank'

b. S-18 Record Description - Details of Injection/Disposal (Record Type N182)

Element Name	Start Position	Length	Format	Comments
Statement year/month	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	'N182'
Inj/disp well ID -Field	35	4	X(4)	
Inj/disp well ID -Unit	39	1	X(1)	
Inj/disp well ID -Section	40	3	9(3)	
Inj/disp well ID -Sequence	43	3	9(3)	
Inj/disp well ID -Sidetrack	46	1	X(1)	
Pool ID	47	6	X(6)	
Cycle number	53	2	9(2)	
Warm-up code	55	1	X(1)	
Concur/consec injection code	56	1	X(1)	
Steam quality %	57	3	9(3)	
Hours injected	60	3	9(3)	
Wellhead pressure (kpa)	63	5	9(5)	
Inj'n/disp fluid 1-code	68	2	9(2)	
Inj'n/disp fluid 1-volume	70	8	9(7)v9	
Inj'n/disp fluid 2-code	78	2	9(2)	
Inj'n/disp fluid 2-volume	80	8	9(7)v9	

Element Name	Start Position	Length	Format	Comments
Inj'n/disp fluid 3-code	88	2	9(2)	
Inj'n/disp fluid 3-volume	90	8	9(7)v9	
Filler	98	83	X(83)	'blank'

c. S-18 Record Description - Details of Other Deliveries (Record Type N183)

Element Name	Start Position	Length	Format	Comments
Statement year/month	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	'N183'
Other deliveries-installation ID	35	7	X(7)	
Delivery type	42	2	9(2)	
Delivery fluid	44	2	9(2)	
Delivery volume	46	9	9(8)v9	
Filler	55	126	X(126)	'blank'

d. S-18 Record Description - Installation Summary (Record Type N184)

Element Name	Start Position	Length	Format	Comments
Statement year/month	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	'N184'
Summary fluid	35	2	9(2)	
Total receipts	37	9	9(8)v9	
Opening inventory	46	9	9(8)v9	
Closing inventory	55	9	9(8)v9	
Total other deliveries	64	9	9(8)v9	
Flared	73	7	9(6)v9	
Fuel	80	7	9(6)v9	
Metering difference	87	7	9(6)v9	
Metering difference sign	94	1	X(1)	
Total injection/disposal	95	9	9(8)v9	
Filler	104	77	X(77)	'blank'

e. S-18 Record Description - Installation Contact (Record Type N189)

Element Name	Start Position	Length	Format	Comments
Statement year/month	1	6	9(6)	'YYYYMM'
Operator ID	7	7	X(7)	

Element Name	Start Position	Length	Format	Comments
Installation ID	14	7	X(7)	
Amendment date	21	8	9(8)	'YYYYMMDD'
Amendment code	29	2	9(2)	
Record type	31	4	X(4)	'N189'
Summary fluid	35	2	9(2)	
Contact name	35	20	X(20)	
Contact telephone	55	10	9(10)	
Filler	65	116	X(116)	'blank'

Appendix C – Assigned IDs and Codes

The following pages include the assigned IDs and Codes. The operator should contact the *Regulator* to request a new ID or Code if it is not listed below. The below list will be updated periodically as significant changes are made.

It includes:

- **Schedule (a) – Identification IDs**
 - Region
 - Field
 - Operator
 - Installation
 - Tanker
 - Pipeline
 - Purchasers/Working Interest Owner
- **Schedule (b) – Well & Pool Coding Requirements**
- **Schedule (c) - Amendment Codes**
- **Schedule (d) - Receipt/Delivery Type Codes**
 - Receipt Type
 - Delivery Type
- **Schedule (e) - Fluid Codes**
 - Receipt Fluid
 - Injection/Disposal Fluid
 - Delivery Fluid
 - Summary Fluid

Schedule (a) - Identification IDs

Region:

There are 5 region IDs assigned to the *Offshore Area* in accordance with Figure 1 of this document. They are:

- | | |
|--------------------------------|-----|
| ○ Labrador Shelf | LS |
| ○ Northeast Newfoundland Shelf | NNS |
| ○ North Grand Banks | NGB |
| ○ South Grand Banks | SGB |
| ○ Western Newfoundland | WN |

Field:

Field IDs have been assigned to the following fields currently in production, undergoing development, in the Development Plan Approval process, or being considered for Extended Formation Flow Testing:

- | | |
|------------------------|-----|
| ○ Hibernia Field | HIB |
| ○ Terra Nova Field | TNV |
| ○ Whiterose Field | WRS |
| ○ North Amethyst Field | NA |
| ○ Hebron Field | HEB |

Operator:

IDs have been assigned to the following operators of fields:

- | | |
|---|---------|
| ○ Hibernia Management Development Company | HMDC |
| ○ Suncor Energy | SUNCOR |
| ○ Cenovus Energy Inc. | CENOVUS |
| ○ ExxonMobil Canada Properties | EMCP |

Installation:

IDs have been assigned to installations/facilities currently in place:

Hibernia Field:

- | | |
|---|---------|
| ○ Production Platform - Production Facility | HIBI01 |
| ○ Production Platform - Injection Facility | HIBI01I |
| ○ Production Platform - Gas Lift Facility | HIBI01L |

Terra Nova Field:

- | | |
|------------------------------|---------|
| ○ FPSO - Production Facility | TNVI01 |
| ○ FPSO - Injection Facility | TNVI01I |
| ○ FPSO - Gas Lift Facility | TNVI01L |

White Rose Field:

- | | |
|------------------------------|---------|
| ○ FPSO - Production Facility | WRSI01 |
| ○ FPSO - Injection Facility | WRSI01I |
| ○ FPSO - Gas Lift Facility | WRSI01L |

Hebron Field:

- | | |
|---|---------|
| ○ Production Platform - Production Facility | HBRI01 |
| ○ Production Platform - Injection Facility | HBRI01I |
| ○ Production Platform - Gas Lift Facility | HBRI01L |

Tanker:

IDs have been assigned to the following tankers* currently in place:

- Tanker - BEOTHUKE BEOTHUKE SPIRIT
- Tanker – DORSET DORSE SPIRIT
- Tanker – NORSE NORSE SPIRIT

Note: It is recognized that tankers can be assigned to any number of producing fields.

Pipeline:

IDs have been assigned to the following gathering pipelines currently in place:
(none in place).

Purchasers/Working Interest Owner:

IDs* have been assigned to the following purchasers/working interest owners:

Hibernia Field (Series 100):

- Hibernia Management Development Company 100
- ExxonMobil Canada Properties 101
- Chevron Canada Resources 102
- Canada Hibernia Holding Corporation 104
- Chevron Hibernia Holding Company Ltd. (code 102 used from Dec 2000 onward) 106
- ExxonMobil Canada Hibernia Company Ltd. 107
- Suncor Energy Inc. 110
- Nalcor Energy Oil and Gas 112

Hebron Field (Series 100):

- ExxonMobil Canada Properties 101
- Chevron Canada Resources 102
- Petro-Canada Hebron Partnership 110
- Nalcor Energy Oil and Gas 112

Terra Nova Field (Series 200):

- Petro-Canada (Installation Requirements) 200
- Petro-Canada 201
- ExxonMobil Canada Ltd. 202
- Murphy Oil Company Ltd. 205
- Chevron Canada Limited 207
- Suncor Energy Inc. 208

White Rose Field (Series 300):

○ Cenovus Energy Inc . (Installation Requirements)	300
○ Cenovus	301
○ Suncor Energy Inc.	303
○ Nalcor	304

*** The x00 ID has been assigned to the operator of each field to account for volumes of product required by the installation for operational purposes, i.e., injection requirements.**

Schedule (b) - Well & Pool Coding Requirements

Wells:

A well shall be identified by the following five entities; 'Field', 'Unit', 'Section', 'Sequence', and 'Sidetrack'. The specifics respecting coding of these entities are as follows:

Entity	Length/Format	Description
Field	X(4)	The first three characters abbreviate the Field name, i.e., 'HIB' to denote the Hibernia Field. The fourth character identifies the field extension if applicable (i.e., S-south).
Unit*	X(1)	A-P identifies in which unit the well resides.
Section*	9(3)	1-100 identifies in which section the well resides.
Sequence	9(3)	1-999 identifies the sequence number of a well from a common surface location in accordance with the date spudded.
Sidetrack	X(1)	Starting with 'Z' to represent the first sidetrack, use the reverse alphabet to identify the track of the well. If a well is sidetracked and the abandoned part of the well has significant data (i.e., logs, MWD and/or core), the sidetrack is to be distinguished by 'Z'. The forward alphabet A, B, C etc. is reserved for 're-spuds'. A well should be designated a re-spud when the original attempt to drill the well fails for any reason at or near the surface and another well must be started at or near the surface to drill the same target. The first re-spud attempt would be designated 'A' and the second attempt designated 'B'. A re-spudded well which was later sidetracked would have the first sidetracked leg of the well designated 'Z' in accordance with the reverse alphabet convention.

*** denotes the surface (sea floor) location at which the well was spudded**

Pools:

The coding for 'Pool' will be a six field alphanumeric string recognizable with approved pool designations, i.e., the Hibernia Field - Hibernia reservoir B4 pool would have a pool ID of 'HIBB4*'. The first three fields denote the reservoir. The fourth and fifth fields denote the pool, and the last character field is reserved should the B4 pool in future be

recognized as two separate pools, as currently possible by the existing zone designation. Should this occur, 'HIBB4*' would be subdivided into two pools, 'HIBB41' and 'HIBB42'.

Schedule (c) – Amendment Coding

The following amendment coding applies when filing amendments to the NF-S1, NF-S1a, NF-S2, NF-S2a and the NF-S18 monthly statements or worksheets.

An operator must specify the two digit code that best represents the changes to the particular statement or worksheet. Where changes being made are not adequately represented by the codes provided or where multiple codes apply, the operator should use code 50 or 99 if appropriate.

Description	Code	NF-S1	NF-S1a	NF-S2	NF-S2a	NF-S18
Identification Codes	01	✓	✓	✓	✓	✓
Proration	02	✓				
Hours	03	✓				✓
Cycle Number	04	✓				✓
Contact Information	05	✓	✓	✓	✓	✓
S1/S2 Cross Balance	06	✓		✓		
Receipts	07			✓		✓
Deliveries	08			✓		✓
Injection/Disposal	09					✓
Product/Installation Summary	10			✓		✓
S2/S18 Cross Balance	12			✓		✓
TPW* - Hours	15		✓			
TPW - Rates	16		✓			
TPW - Pressures	17		✓			
TPW - Coefficients	18		✓			
TPW - Estimated Production	19		✓			
TDW* - Tanker Status	25				✓	
TDW - Volumes	26				✓	
TDW - Date Shipped	27				✓	
TDW - Destination	28				✓	
Other	50	✓	✓	✓	✓	✓
Two or more of the above	99	✓	✓	✓	✓	✓

Notes: Only one code may be used in association with any amended statement or its associated worksheet. If either a statement or its worksheet requires amendments, and more than one reason (code) exists for the change, then code 99 must be used on the statement or worksheet as submitted and on the affected digital record being changed.

- * **TPW - Monthly Test Proration Worksheet**
- * **TDW - Monthly Tanker Details Worksheet**

Schedule (d) – Receipt and Delivery Code Types

‘Receipt Type’ and ‘Delivery Type’ codes are required where necessary on both the NF-S2 Monthly Disposition Statement and the NF-S18 Monthly Injection/Disposal Statement to identify the type of transaction associated with the volume received or delivered where this volume is other than from or to an installation, tanker or pipeline.

Receipt Type Codes:

Code	Description
12	Tank bottoms, which includes both closed tanks and seawater influx within dynamic storage tanks; i.e., Hibernia GBS Storage.
22	Seawater pumped onboard at site to meet water injection well requirements.
32	Fluid other than water, transferred from a support vessel to a producing facility.

Delivery Type Codes:

Code	Description
04	Spills to the ocean
07	Produced water discharge to the ocean
08	Fire
12	Tank bottoms, which includes both closed tanks and produced water outflow to the ocean from within dynamic storage tanks; i.e., Hibernia GBS Storage.

Note: Where use of ‘Receipt Type’ or ‘Delivery Type’ codes identify the type of transaction associated with the volume, no additional coding for installations, tankers, pipelines or wells is permitted.

Schedule (e) – Fluid Codes

Four categories exist for fluid codes, all specific to the NF-S18 Monthly Injection/Disposal Statement. These include ‘Receipt Fluid’, ‘Injection/Disposal Fluid’, ‘Delivery Fluid’ and ‘Summary Fluid’.

Receipt Fluid:

‘Receipt Fluid’ is used in association with the ‘Details of Receipts’ section of the NF-S18 statement to identify the fluid received for injection or disposal. The recognized fluids are listed below.

Code	Fluid	Units	Code	Fluid	Units
02	gas	10 ³ m ³	50	anhydrous ammonia	m ³
03	oil	m ³	52	naptha	m ³
06	water	m ³	53	propane*	m ³
08	waste/cuttings	m ³	54	butanes*	m ³
09	solvent	10 ³ m ³	55	ethane*	m ³
13	carbon dioxide	10 ³ m ³	56	ethane plus*	m ³
14	polymer	m ³	57	pentanes plus*	m ³
15	nitrogen	10 ³ m ³	58	diesel oil	m ³
16	LPG*	m ³	63	ammonium nitrate	m ³
18	condensate*	m ³	70	xylene	m ³
19	oxygen	10 ³ m ³			

* convert to gas equivalent volumes (10³m³).

Injection/Disposal Fluid:

‘Injection/Disposal Fluid’ is used in association with the ‘Details of Injection/Disposal’ section of the NF-S18 statement to identify the fluid injected or disposed of. The recognized fluids are listed below.

Code	Fluid	Units	Code	Fluid	Units
02	gas	10 ³ m ³	50	anhydrous ammonia	m ³
03	oil	m ³	52	naptha	m ³
06	water	m ³	58	diesel oil	m ³
08	waste/cuttings	m ³	59	alkaline water	m ³
09	solvent*	10 ³ m ³	60	miscellar	m ³
10	steam**	m ³	63	ammonium nitrate	m ³
11	air	10 ³ m ³	70	xylene	m ³
13	carbon dioxide	10 ³ m ³			
14	polymer	m ³			
15	nitrogen	10 ³ m ³			
19	oxygen	10 ³ m ³			

* includes LPG, condensate, propane, butanes, ethane, ethane plus, and pentanes plus which are converted to a gas equivalent volume and summed as solvent.

** cold water equivalent volume.

Delivery Fluid:

‘Delivery Fluid’ is used in association with the ‘Details of Other Deliveries’ section of the NF-S18 statement to identify the fluid delivered to other installations. The recognized fluids are listed below.

Code	Fluid	Units	Code	Fluid	Units
02	gas	10 ³ m ³	50	anhydrous ammonia	m ³
03	oil	m ³	52	naptha	m ³
06	water	m ³	58	diesel oil	m ³
13	carbon dioxide	10 ³ m ³	61	skim oil	m ³
15	nitrogen	10 ³ m ³	62	skim emulsion	m ³
19	oxygen	10 ³ m ³	63	ammonium nitrate	m ³

			70	xylene	m ³
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Summary Fluid:

‘Summary Fluid’ is used in association with the ‘Installation Summary’ section of the NF-S18 statement to summarize the fluids received at the injection/disposal facility during the month. The recognized fluids are listed below.

Code	Fluid	Units	Code	Fluid	Units
02	gas	10 ³ m ³	50	anhydrous ammonia	m ³
03	oil	m ³	52	naptha	m ³
06	water	m ³	58	diesel oil	m ³
08	waste/cuttings	m ³	61	skim oil	m ³
09	solvent*	10 ³ m ³	62	skim emulsion	m ³
13	carbon dioxide	10 ³ m ³	63	ammonium nitrate	m ³
14	polymer	m ³	70	xylene	m ³
15	nitrogen	10 ³ m ³			
19	oxygen	10 ³ m ³			

* includes LPG, condensate, propane, butanes, ethane, ethane plus, and pentanes plus which are converted to a gas equivalent volume and summed as solvent.