

NOTE 1997-09-26: This Informational Letter is amended by striking out the following reference under Drill Cuttings: "The Board attaches to each well licence a letter that indicates the interval from which drill cuttings are to be submitted to the Board. In addition a copy of the letter is mailed directly to the office of the licensee or his authorized agent.", as directed by [Interim Directive ID 97-07](#).



Informational Letter IL-OG 76-14

TO: All Oil and Gas Operators

DRILL CUTTINGS AND CORE

This Informational Letter supersedes IL 71-19 issued 20 July 1971.

The following administrative details and requirements have been adopted by the Board with respect to its operations at the Core Storage Center. The main regulations respecting drill cuttings and core are contained in sections 11.010, 11.020, 11.030, 11.040 and 12.150 of the Oil and Gas Conservation Regulations and have not, therefore, been included in this letter. Details on the examination and service fees charged at the Core Storage Center have similarly been excluded because they are tabulated in the Board's Catalogue of Publications, Services and Maps.

Drill Cuttings

The Board attaches to each well licence a letter that indicates the interval from which drill cuttings are to be submitted to the Board. In addition, a copy of the letter is mailed directly to the office of the licensee or his authorized agent.

A supply of bags may be obtained in advance from the Core Storage Center for collecting a separate set of drill cuttings for the Board. Only bags of the type and size distributed by the Board are acceptable for submission of Board required samples.

The bags shall be labelled in waterproof ink showing the well name, location and sample depth.

Bulk sacks containing bags of drill cuttings samples shall be labelled with the well name and location, and shall contain samples from not more than one well.

Core

Core delivered for storage shall be packaged in cardboard cartons which approximate but do not exceed the following dimensions:

Diameter of Core Centimeters	Max. Outside Dimension of Box (including lid) Centimeters Length x Width x Height	Rows per Box	Core Length Capacity Centimeters	Board Box Reference Number
1.0 to 3.9 incl.	80.6 x 14.3 x 4.5	3	225	CS-1
4.0 to 5.1 incl.	80.6 x 18.1 x 6.1	3	225	CS-1A
5.2 to 6.0 incl.	80.6 x 14.3 x 6.7	2	150	CS-2
6.1 to 7.4 incl.	80.6 x 17.2 x 8.6	2	150	CS-2A
7.5 to 9.0 incl.	83.2 x 20.3 x 9.8	2	150	CS-3
9.1 to 11.4 incl.	66.7 x 25.7 x 12.7	2	125	CS-3A
Cores recovered in sleeves and delivered for storage in one-half diameter form (incl. sleeve)				
6.1 to 7.4 incl.	80.6 to 17.2 x 5.0	2	150	CS-2A1/2
7.5 to 9.0 incl.	83.2 x 20.3 x 6.2	2	150	CS-3 1/2
9.1 to 11.4 incl.	83.2 x 25.78 x 7.5	2	150	CS-3A1/2
11.5 to 13.4 incl.	80.6 x 17.2 x 8.6	1	76	CS-2A

The box shall be durably constructed and except for single row boxes, contain a single folded divider.

Ends of the lid and box shall be marked as to well name and location, core number and its depth interval, recovery, and box number expressed as Box ___ of ___ boxes. In addition, the top and bottom of the core shall be marked on any visible part of the box except the lid.

Any boxes received in damaged condition, poorly marked, or boxes not meeting the foregoing specifications are replaced or re-labelled by the Board and a fee is charged to the licensee to cover this expense.

Sampling of Core

I Full-Diameter Samples for Reservoir Evaluation or Productivity Studies

A licensee or a service company acting on his behalf may, without specific Board approval, remove, from the core recovered by the licensee either before or after delivery to the Core Storage Center, the minimum amount of material necessary to conduct reservoir evaluation or other special studies, provided he

- a) notifies the Board, by letter or form available at the Core Storage Center, the name of the well and intervals being removed, the nature of the tests involved, the anticipated date for delivery of the undamaged material after tests to the Core Storage Center,
- b) requests and receives authorization to export core from the province prior to shipment if such is the case,
- c) places a spacer of representative length in the core box where the core was removed, and

d) returns all undamaged material, with suitable identification, to the Center as soon as the studies are completed.

If anyone other than the licensee or service company acting on his behalf wishes to obtain material for such purposes after core has been delivered to the Core Storage Center, he must arrange for the licensee to send a letter to the Core Storage Center to authorize such action.

The Board may restrict the amount of material removed from a specific core.

2 Samples for Geological Research

Samples may be removed from core in storage at the Core Storage Center subject to the following terms:

- a) Anyone intending to remove core samples must first complete the appropriate form at the Core Storage Center.
- b) The sampling must be necessary to conduct laboratory studies that can not be suitably performed in the Core Storage Center.
- c) The total volume of the samples that may be removed by one person from each 30 lineal centimeters of core shall not exceed the lesser of 16 cubic centimeters or one per cent of the core. The Board may restrict or prohibit sampling from a specific core.
- d) If the sampling is done by hammer, the samples may be taken only from the previously existing ends of the pieces of core; lengths of core may not be broken to obtain samples.
- e) If the sampling is done by diamond saw equipment, samples may be taken at any point.

Core Cutting Services

The Board provides a core cutting service to industry at cost. Details of this service are outlined below:

1. Longitudinal slabs of core will be cut in accordance with Board regulations for a licensee or his appointee.
2. Upon request, the slab will be packaged in Board supplied and labelled cartons.
3. Samples permitted for geological research will be cut from core for anyone wishing to engage such services.
4. The Board will not provide its cutting services where the core is not conducive to cutting.

Further information may be obtained by telephoning the Core Storage Center at 289-6636.

DATED at Calgary, Alberta, on 12 July 1976.

ENERGY RESOURCE CONSERVATION BOARD

<signed by>

D.R. Craig
Vice Chairman

APPENDIX A TO IL-OG 76-14

The following table of core diameters in inches to Board box reference numbers is given for reference purposes during the period of conversion to SI units.

Diameter of Core Inches	Max. Outside Dimension of Box (including Lid) in Inches Length x Width x Height	Rows per Box	Board Box Reference Number
1/2 to 1 1/2 incl.	31 3/4 x 5 5/8 x 1 3/4	3	CS-1
1 5/8 to 2 incl.	31 3/4 x 7 1/4 x 2 3/8	3	CS-1A
2 1/8 to 2 1/4 incl.	31 3/4 x 5 5/8 x 2 5/8	2	CS-2
2 3/8 to 3 incl.	31 3/4 x 6 3/4 x 3 3/8	2	CS-2A
3 1/8 to 3 1/2 incl.	32 3/4 x 8 x 3 7/8	2	CS-3
3 5/8 to 3 1/2 incl.	26 1/4 x 10 1/8 x 5	2	CS-3A
Cores recovered in sleeves and delivered for storage in one-half diameter form. (incl. sleeve)			
2 3/8 to 3 incl.	31 3/4 x 6 3/4 x 1 15/16	2	CS-2A1/2
3 1/8 to 3 1/2 incl.	32 3/4 x 8 x 7/16	2	CS-1A
3 5/8 to 4 1/2	32 3/4 x 10 1/8 x 2 15/16	2	CS-2
4 3/8 to 5 1/2	31 3/4 x 6 3/4 x 3 3/8	1	CS-2A

12 July 1976

TO: All Oil and Gas Operators

COVERING LETTER IL-OG 76-14

Board Informational Letter IL-OG 76-14 has been issued to supersede and replace IL 71-19 dated 20 July 1971. Copies of IL 71-19 should be destroyed.

This informational letter has been rewritten primarily to include regulated box sizes for cores recovered in sleeves and delivered to the Core Storage Center in one-half diameter form.

In accordance with Board policy all measurements have been converted to S.I. units. Appendix A gives dimensions in inches for guidance during the conversion period.

Minor additions and changes have been made for clarity and to provide more explicit information. Affected paragraphs are shown below with changes indicated by italic print:

Page 2, first paragraph:

"Core delivered for storage shall be packaged in cardboard cartons *which approximate but do not exceed the following:*"

(The core diameter/core box size chart has been expanded to include core recovered in sleeves and delivered for storage in one-half diameter form. Also dimensions have been converted to centimeters and a core length capacity column added.)

Page 2, third and fourth paragraphs:

"Ends of the lid and box shall be marked as to well name and location, core number and its depth interval, recovery and box number expressed as Box ___ of ___ boxes. In addition, the top and bottom of the core shall be marked on any *visable* part of the box except the lid."

"Any boxes received in damaged condition, *poorly marked*, or boxes not meeting the foregoing specifications are replaced or re-labelled by the Board and a fee is charged to the licensee to cover this expense."

Page 3, first paragraph:

"A licensee or a service company acting on his behalf may, without specific Board approval, remove, from the core recovered by the licensee *either before or after delivery to the Core Storage Center*, the minimum amount of material necessary to conduct reservoir evaluation or other special studies, *provided he*

a) notifies the Board, by letter or form available at the Core Storage Center, the name and location of the well and intervals being removed, *the nature of the tests involved, the anticipated date for delivery of the undamaged material after tests to the Core Storage Center,*

b) *requests and receives authorization to export core from the province prior to shipment if such is the case,*

c) places a spacer *of representative length* in the core box where the core was removed, and

d) returns all undamaged material, with suitable identification, to the Center as soon as the studies are completed."

Page 3, second paragraph:

"If anyone other than the licensee or service company acting on his behalf wishes to obtain material for such purposes *after core has been delivered to the Core Storage Center*, he must arrange for the licensee to send a letter to the Core Storage Center to authorize such action."

Page 4, first item:

"(c) The total volume of the samples that may be removed by one

person from each *30 lineal centimeters* of core shall not exceed the lesser of *16 cubic centimeters* or one per cent of the core. The Board may restrict or prohibit sampling from a specific core."

APPENDIX A (added)

ENERGY RESOURCES CONSERVATION BOARD

<*signed by*>

D.R. Craig

Vice Chairman