



Geophysical Data Submission Requirements

Under 11 AAC 96.210, the director has the right to inspect and require submission of seismic exploration data and stratigraphic test data obtained under a Miscellaneous Land Use Permit (MLUP) for five years after the permittee provides notification that the initial processing has been completed.

As a condition of the issuance of a MLUP, the permittee/client acknowledges the requirements of 11 AAC 96.210 and agrees to notify the director and submit geologic, seismic and stratigraphic exploration data at the request of the director as follows:

1. The permittee/client shall submit:
 - A. Written notice to the Director within 30 days after termination of any exploration activity of all geologic, seismic and stratigraphic exploration data obtained under the permit. This requirement is satisfied with submission of the Geophysical Activity Completion Report form available on the Division's Website.
 - B. Written notice to the Director within 30 days after completion of the initial final processing providing all seismic data sets generated. This may be satisfied with the Geophysical Processing Completion Report form available on the Division's website and by submitting all required data.
2. At a minimum, the permittee/client shall submit the following processed data (if generated) at the completion of initial processing; however, the director may request additional data submissions, [as defined in 11AAC 96.250(6)] as the director determines necessary within the five-year period. The director may also require the resubmission of unreadable or incomplete data. Initial processing means the first processing round resulting in final products currently considered to be the industry standard practice for subsurface oil and gas exploration.
3. **Submission for 2-D or 3-D Seismic Data will include, but is not limited to:**
 - A. Digital final stacks and all migrations generated including pre-stack time, post-stack time, and depth. Line, cross-line, and bin center XY's must be in the trace headers;
 - B. Common depth point, receiver, and shot gathers, including those processed for amplitude versus offset analysis (relative amplitude data, pre-stack migration, and with normal move-out corrections). All gathers should be demultiplexed and correlated;
 - C. Attribute and AVO volumes including gradient-intercept, angle stacks, Poisson's Ratio, MuRho etc.;
 - D. The bin center locations where applicable (ASCII file);
 - E. Final stacking and migration velocities including azimuthal processing;
 - F. An acquisition report describing survey parameters and layout, and observers' reports or the equivalent;
 - G. A processing report describing all processing sequences and deliverables, including polarity of the data;
 - H. Support documentation including load sheets, permits, associated reports, and navigation files. Navigation and observers' reports must contain the information necessary to process the data;
 - I. One post-plot map of the final survey source and receiver locations with projection, datum, and scale clearly labeled;
 - J. Completed and signed Geophysical Activity Completion Report (GACR); and
 - K. Completed and signed Geophysical Processing Completion Report (GPCR).
4. **Acceptable Data Formats:**

The information necessary to process the data must accompany the data submission, for example geometries, receiver to shot (FFIDs), and receiver to channel relationships

 - A. Seismic trace data – SEG-Y or SEG-D format
 - B. Seismic location data – SEG-P1 format or columnar ASCII files
 - C. Velocity data - ASCII files or SEG-Y format

5. Data Projection, Datums, and Documentation:

- A. All data must be submitted in its original projection and datum to protect the integrity of the source.
- B. All geographic data submitted must include metadata defining the projection and datum (NAD 27 or NAD 83), and should identify the original coordinate system, datum, and units.

6. Currently Acceptable Transmittal Media for Digital Data:

External USB 3.0 hard drive and DVD

- 7. Each document and electronic medium must be labeled with the correct MLUP number. Under Alaska Statute AS 38.05.035(a)(8)(C) and 11 AAC 96.220 the department will treat the data and information as confidential upon written request by the person supplying the information. To request this confidentiality, the data transmittal, documents, and mediums used to transfer the information should be marked "Confidentiality requested under 38.05.035(a)(8)(C) and 11 AAC 96.220".
- 8. The state will reimburse the permittee for reasonable reproduction and shipping costs directly incurred due to the requirement to submit seismic exploration data (11 AAC 96.230). Reimbursable costs of reproduction include only the cost of the media on which the data are recorded; for instance, DVDs or External USB Hard Drives. **The state will not reimburse for indirect costs of preparing the data or the medium, such as time, personnel, equipment or contract services used to comply with the data request.** Invoice(s) must clearly specify the reimbursable costs associated with each MLUP. The division will initiate reimbursement procedures within 30 days after it has received an acceptable copy of all the requested geologic, seismic and stratigraphic exploration data if it has received an invoice.

This Geophysical Data Submission Requirements form must be signed and submitted prior to issuance of the permit. Return the completed form via email to:

Attn: Permitting Section
Alaska Department of Natural Resources, Division of Oil & Gas
550 W. 7th Avenue, Suite 1100
Anchorage, AK 99501-3510
Email: dog.permitting@alaska.gov

All data and invoices relating to this Geophysical Data Submission Requirements form must be submitted via hand-carry, bonded courier, or registered mail to:

Attn: Resource Evaluation Section
Alaska Department of Natural Resources, Division of Oil & Gas
550 W. 7th Avenue, Suite 1100
Anchorage, AK 99501-3510
Email: dog.seismicdata@alaska.gov

☐ Hold data confidential

☐ Release data to public

Acknowledgment:

Signature of Permittee
(Sign and return before beginning operations)

Date _____ MLUP# _____

This action does not eliminate the need to submit data sets in accordance with AS 43.55.023 or AS 43.55.025 tax credits; multi or cross use of geological, geophysical or well data is not accepted for tax credits.