

GEOPHYSICAL INSPECTION PROCEDURE FORM

The Oil and Gas Commission, as regulators of British Columbia's oil and gas industry focuses on effectively regulating and managing the Province's oil and gas sector. The following procedures are designed to assist the Commission in the fulfillment of its mandate of protecting public safety, conserving the environment, and conserving and supporting resource development. The Commission ensures resources are dedicated by:

1. Helping to ensure Industry compliance with relevant Acts, Regulations, and Permit authorizations.
2. Providing for consistency and transparency in the Commission's inspection processes.
3. Encouraging continuous improvement.
4. Supporting positive working relationships.

Prior to starting inspection ensure proper PPE is being worn and all applicable safety procedures are being adhered to.

| <u>Conditions</u> | |
|---|--|
| Review permit(s) and site plan. Observable permit conditions are met and being followed. | |
| Harvesting activities are in compliance: <ul style="list-style-type: none"> a) Master License to Cut (MLTC) conditions\Requirements are being met. b) Potential fire hazards have been abated as per "Schedule A" of the MLTC. c) Wood has been properly utilized as per "Schedule B" of the MLTC. | |
| <u>Camp</u> | |
| Camp site is maintained while active and garbage is not available to wildlife. | |
| Operator has cleaned up and restored camp site following completion of operations. | |
| <u>Site Plan</u> | |
| Site plan is approved and a copy is available at the site during construction activities. | |
| <u>Construction</u> | |
| Site construction matches site plan drawings | |
| *Seismic line(s) meet the following conditions: <ul style="list-style-type: none"> a) Width does not exceed 3 metres. b) Large standing trees have been avoided. c) Ground cover has not been disturbed. d) Forest cover and mature trees in riparian zones have been retained. e) Wildlife habitat features or resource features have not been damaged. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

| | |
|---|--|
| f) Other user's activities and/or residences have not been interrupted. *unless a variance has been issued | |
| <u>Records</u> | |
| Operator has submitted weekly geophysical reports on date of completion. | |
| <u>Shot Holes</u> | |
| Operator has a map showing location and identification number of all shot holes and has submitted a copy of the map to Commission. | |
| Shot holes have been plugged/ filled as required. | |
| Shot holes have been marked within 10 metres of hole. | |
| <u>Charges</u> | |
| Unexploded charges have been exploded or buried as not to pose a hazard. | |
| <u>Water</u> | |
| All activities are proceeding in accordance with approval and/or permit conditions. | |
| Crossing(s): | |
| a) are constructed and maintained in a manner unlikely to harm fish or destroy, damage or harmfully alter habitat . | |
| b) do not prevent fish movement or impede them in harmful way. | |
| c) protect the sides of stream, lake, or wetland. | |
| d) disturbances have been mitigated in or around the stream, lake and/or wetland. | |
| Deleterious material(s) are prevented from deposit into a stream, lake, and/or wetland. | |
| Natural drainage patterns are maintained. | |
| <u>Vegetation</u> | |
| Equipment is cleaned to prevent spread of invasive plants prior to moving to/from different locations. Areas of disturbed ground have been re-seeded with ecologically suitable species as soon as practicable. | |
| <u>Environment</u> | |
| Soils are stable and protected from significant erosion hazards. | |
| Changes to the environment are restored as close as practicable to original condition upon completion. | |

Schedule 1
Minimum Buffer Distances

[section 4 (2)]

| 1 Structure | 2 Non-explosive energy source (metres) | 3 Explosive energy source | |
|---|---|--|---|
| | | Charge weight (kg) | Distance (metres) |
| Building or structure with a concrete base, residence, barn, concrete irrigation structure, concrete lined irrigation canal and concrete water pipeline | 50 | all | 180 |
| Artificial water hole, developed spring or piezometer | 100 (Vibroseis) 50 (other than vibroseis) | all | 180 |
| Driveway, gateway or buried water pipeline (other than a concrete-lined pipeline) | 5 | all | 10 |
| Buried telephone or telecommunication line | 2 | all | 2 |
| Survey monument | 2 | all | 2 |
| Petroleum or natural gas pipeline (measured from the centre line of the pipeline) and a petroleum or natural gas well | 15 | > 0 ≤ 2 > 2 ≤ 4 > 4 ≤ 6 > 6 ≤ 8 > 8 ≤ 10 > 10 ≤ 20 > 20 ≤ 40 > 40 ≤ 100 | 32 45 55 64 72 101 143 226 |
| Piping used to transmit, at less than 700 kPa, natural gas to consumers by a gas utility as defined in the <i>Gas Utility Act</i> | 3 | all | 3 |
| Dugout or other earthen excavation designed to collect runoff and store water for later use, measured from the inside edge of the high water mark | 25 | all | 50 |
| Irrigation canal (other than a concrete-lined canal) | 10 | all | 10 |
| Dam having a storage reservoir capacity of 30 000 cubic meters or more and that is 2.5 meters high or more when measured to the top of the barrier | 50 | all | 180 |
| Cemetery, measured to its surveyed boundary | 50 | all | 100 |
| Domestic septic tank below ground or septic storage device above ground | 15 | all | 15 |

Schedule 2
Reduced Buffer Distances

[section 4 (3)]

| 1 Structure | 2 Non-explosive energy source (metres) | 3 Explosive energy source | |
|---|---|---|--------------------------------------|
| | | Charge weight (kg) | Distance (metres) |
| Residence, barn, building or structure with a concrete base, concrete irrigation structure, concrete lined irrigation canal, concrete water pipeline, artificial water hole, developed spring or piezometer | 50 | > 0 ≤ 2 > 2 ≤ 4 > 4 ≤ 6 > 6 ≤ 8 > 8 ≤ 10 > 10 ≤ 12 | 64 90 110 128 142 156 |