



Old Fort EMERGENCY PLAN

Revised Dec. 17, 2018

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| Nature of the Hazard | Landslide and/or rockslide may completely block access to the community of Old Fort by blocking the only road. Landslide and/or rockslide may also pose a risk to persons and other property in the area. Geotechnical assessments identified different slide areas and the types of slides that could occur; experts advise the area will move again with particular risk during the freshet season each year. |
| Context | <p>In fall 2018 a significant landslide severed Old Fort Road, isolating all the homes on the east side of the slide and disrupted BC Hydro and Telus infrastructure. Pacific Northwest Gas infrastructure was unaffected but has unknown vulnerability to new landslides in the area. As the hazard could not be fully assessed, and as slide movement continued, it became necessary to place the entire area under an Evacuation Order and to restrict movement to the area.</p> <p>During the response to the 2018 event a geotechnical analysis of the area was conducted by Westrek Engineering; this analysis was put through a peer review process conducted by BGC Engineering. The geotechnical analysis suggests that further land and/or rockslide activity is inevitable, however for almost all properties the risk level is tolerable and this supports continued use (at this time).</p> |
| Risks | <p>Remain alert to the following risks:</p> <ul style="list-style-type: none">• Significant snowmelt and/or rainfall, common in the spring which may cause further landslide or movement.• Expansion of the active slope movement area.• Deep-seated compound earth and bedrock slides to the east.• Channelized earth flow in the centre of the area.• Translational earth or bedrock slides to the west. |
| Vulnerabilities | <p>The following may become vulnerable as a result of landslide:</p> <ul style="list-style-type: none">• Road access being compromised placing those beyond the slide with little or no access to water delivery, sewage contractors, school bus service and emergency services.• Hydro electric power being compromised; |



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| | <ul style="list-style-type: none">○ through much of the year seasonal temperatures can remain at or below freezing for substantial periods of time therefore homes and other equipment must be <i>winterized</i> to mitigate damage risk posed by extended sub-zero temperatures and/or generators must be used;● Telecommunication lines may be compromised:<ul style="list-style-type: none">○ this is somewhat mitigated by the presence of cellular telephone service in the area, however, access to fibre optic internet service may be lost or intermittent;● Natural gas lines being compromised:<ul style="list-style-type: none">○ many homes are heated with natural gas even the seasonal temperatures may remain below freezing for substantial periods of time these homes will also require winterization to mitigate damage risk. <p><i>Note: This area does not receive fire protection.</i></p> |
| Triggers | <p>Evacuation orders will be issued when there is an intolerable safety risk either through:</p> <ul style="list-style-type: none">● further deterioration of the Old Fort Road and other local roads when there is a forecasted cold weather pattern where there has been a disruption of gas lines and/or a loss of hydro power,● further unpredictable movement of the creeping landslide,● slide of other nearby hills, <p>Mass evacuation via boat or helicopter may be the only practical solution if road access is compromised for an extended period of time; it is unknown if boat service is safe and practical 365 days a year.</p> |
| Notification to PRRD | <p>The Peace River Regional District may be notified of the risk of landslide in the following manners:</p> <ol style="list-style-type: none">1) by the Ministry of Transportation and Infrastructure (MOTI) of any Hazard Level 2 or greater movement in the slide area as defined by them MoTI “Old Fort Road- Operating Protocols”2) by the RCMP3) by utility providers4) by the public |



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| Initial Actions | <ol style="list-style-type: none">1. Obtain geotechnical information and recommendations on the implications of observed/recorded and potential slope movement.2. Continue to receive and gather information on scope of land movement from geotechnical engineers for ground movement status.3. Communicate with partner agencies current situation – EMBC, MOTI, RCMP, BC Hydro, Telus, PNG.4. Determine if or which residents should shelter-in-place or if an evacuation should be put into effect immediately based on recommendations from an emergency geotechnical assessment.5. Activate EOC.6. Utilize all available communication channels to advise residents of status of event and any actions that may be required. |
| Potential Actions | <ul style="list-style-type: none">• If roads are impacted, maintain regular communication with MoTI on current road status.• If the road remains passable, issue an evacuation alert including a recommendation that residents consider moving vehicles from the area so that in the event of an evacuation they will have access to their vehicle.• If the road is not passable,<ul style="list-style-type: none">○ assess number and needs of vulnerable residents in the event of a shelter in place or evacuation order.○ assess need to issue either a shelter-in-place request or an evacuation order• If a Shelter In Place is implemented:<ul style="list-style-type: none">○ residents are required to be self-sufficient for at least 72 hours.• If an Evacuation Order is issued:<ul style="list-style-type: none">○ mobilize seasonally appropriate transportation to remove residents from the area; activate ESS for displaced residents;• Request a Liaison from partner agencies be placed within the EOC to improve information flow between the EOC, lead and peripheral agencies, residents, and contractors. |
| Overall Strategy | <p>The Emergency Operations Centre (EOC) will:</p> <ul style="list-style-type: none">• contact with the Provincial Emergency Coordination Centre (PECC) to obtain a task number and approval for anticipated ESS support for evacuees. |



- confirm with geotechnical engineers the recommended areas of shelter in place or evacuation;
- provide timely and complete messaging to residents regarding status of event;
- provide notification to residents of actions required (shelter or evacuate) via RCMP and North Peace Search and Rescue (NPSAR) and all available communication channels;
- determine safe mode and routes of evacuation;
 - If road access is available, evacuation will be via the existing road corridor
 - if road access is not available, seasonally appropriate transportation will be arranged for safe resident evacuation of residents such as:
 - Water taxis to site C boat launch or Taylor Boat Landing where evacuees will be picked up by buses and transferred to the Fort St. John Emergency Support Services Reception Centre:
 - ❖ Muster Station: The muster station for evacuees is the boat dock at 8711 Old Fort Loop Road;
 - ❖ the muster station and the Boat launches will have ground personnel to assist evacuees with bus transportation to the drop-off locations;
 - ❖ non-mobile evacuees will be helped by RCMP and SAR members and brought to the mode of transportation and assisted to the buses leaving for Fort St. John;
 - ❖ transportation will be arranged (e.g. rentals and bus) for evacuees to be dropped off at their respective places of accommodation once they have registered with Emergency Support Services; **OR**
 - Helicopters will transfer evacuees to the helicopter landing site at the Fort St. John airport where evacuees will be picked up by buses and transferred to the Fort St. John Emergency Support Services Reception Centre:
 - ❖ Muster Station: The muster station for evacuees is the boat dock at 8711 Old Fort Loop Road;



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| | <ul style="list-style-type: none">❖ non-mobile evacuees will be helped by RCMP and SAR members and brought to the mode of transportation and assisted to the buses leaving for Fort St. John;❖ transportation will be arranged (e.g. rentals and bus) for evacuees to be dropped off at their respective places of accommodation once they have registered with Emergency Support Services. <ul style="list-style-type: none">• provide the ESS Reception Centre the number of anticipated evacuees to provide essential services (e.g. accommodation, food, transportation);• coordinate with the PRRD Board to seek authorization to issue a State of Local Emergency. |
| Key Personnel | <ul style="list-style-type: none">• PRRD EOC: 250-784-3200• EOC Operations: 250-784-3200 ext. 132• North Peace Search and Rescue: 250-793-0761• RCMP Detachment Contact: 250 787-8140• BCEHS: 250-219-1354• Emergency Support Services (ESS) Centre:250-263-3109 |
| EOC Checklists | <p>EOC Director / Management Staff</p> <ul style="list-style-type: none">• Notify EMBC that EOC is established (Liaison Officer);• Identify whether unified command will be established with partner agencies;• Establish news release system (Information Officer);• Establish public inquiry system (Information Officer); and• Brief Policy Group (Director). <p>Operations</p> <ul style="list-style-type: none">• Establish communication with Incident Commanders (Operations Chief);• Establish emergency public health facilities (Health Authority);• Establish ESS Reception Centres (ESS Branch);• Monitor evacuations (Police Branch); and• Staff ESS positions for possible Reception Centres (ESS Branch). <p>Planning</p> <ul style="list-style-type: none">• Provide information support to Incident Commander(s), e.g., maps; |



PRRD RURAL EMERGENCY RESPONSE PLAN – Old Fort Landslide

- Establish a situation board to collect, track and analyze situational information;
- Assess limited egress in some areas to determine need for early evacuation orders;
- Prepare Declaration of Local State of Emergency and Evacuation Alert, Order and Rescind documents; and
- Identify potential isolated and vulnerable residents.