

Rabaul Caldera Volcano Alert Level System.

STATUS OF VOLCANIC ACTIVITY	ALERT LEVEL	RISK LEVEL	ACTIONS BY STAKEHOLDERS
<ul style="list-style-type: none"> - Noticeable increase in high frequency (HF) volcanic earthquakes from background levels of nil eqs/month - Noticeable increase in rates of ground deformation from background level (mm/month). - Slight increase in fumarolic activity. 	STAGE 1	LOW	<ul style="list-style-type: none"> (a) Provincial Disaster Committee (PDC) to start review and update of the Emergency Contingency Plan including identification of; <ul style="list-style-type: none"> • Evacuation routes • Care centres (b) Community awareness (c) Plan mock evacuation drills.
<ul style="list-style-type: none"> - Further increase in seismicity shown by increased rates and magnitudes of HF earthquakes. Some felt occasionally. - Further increase in rates of ground deformation (mm to cm/month) - Further increase in fumarolic activity. 	STAGE 2	MODERATE	<ul style="list-style-type: none"> (a) Provincial Disaster Committee (PDC) conducts regular meetings to discuss contingency and evacuation plans. (b) Public announcements on increase of Alert Level. (c) Intensify public awareness. (d) Conduct mock evacuation drills (e) Voluntarily relocation of non-essential equipment and personal effects to safe areas. (f) RVO to increase rates of data collection.
<ul style="list-style-type: none"> - Intensified seismicity with increased rates and magnitudes for earthquakes. - Frequent felt earthquakes. - Appearance of volcanic tremors. - Increasing seismicity trend is irreversible. - Further increase in ground deformation rates (cm/month). - Possible landslides. - Possible sporadic puffs of ash emissions . 	STAGE 3	HIGH	<ul style="list-style-type: none"> (a) Frequent PDC meetings and discussions on activation of Emergency Evacuation Plan. (b) Constant Public Announcements on status of volcanic activity. (c) Voluntarily evacuation. (d) RVO activates its 24/7 volcano emergency plan which includes; <ul style="list-style-type: none"> • constant communications with NDC/PDC • near real-time data processing/analysis to assess trend of increased volcanic activity.
<ul style="list-style-type: none"> - Outbreak of eruption and is irreversible. 	STAGE 4	DANGER	<ul style="list-style-type: none"> (a) Official Volcano Emergency Evacuation and Contingency Plan is activated and effectively allows for: <ul style="list-style-type: none"> • Compulsory evacuation to safe areas for transit to care centers as per emergency plan. • Establishment of Emergency Control Center • All stakeholders tasked with responsibilities in the Emergency Plan go into action. (b) Designated Government agencies take up posts to coordinate activities associated with evacuations. (c) RVO in constant communications with NDC/PDC and other stakeholders to update on status of eruption. (d) Constant Public Announcements on status of volcanic eruption.