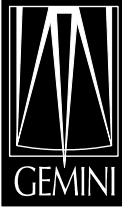
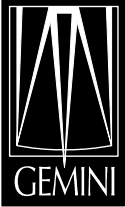
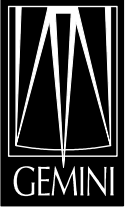
	<b>GEMINI SAFETY AND HEALTH MANAGEMENT SYSTEM</b>	<b>Element:</b> <b>3.8.1</b> Emergency Plan Summit Evacuation	
<b>Gemini Observatory - Cerro Pachon Site Evacuation Plan</b>		<b>Date:</b> <b>02/01/08</b>	<b>Rev:0.1</b>
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<b>TITLE</b>
Gemini Observatory – Cerro Pachon Site Evacuation Plan

<b>PURPOSE</b>
To ensure the safe and efficient evacuation of all Gemini Employees and Visitors from the summit facility when there is a threat of adverse weather conditions and catastrophically events.

<b>BRIEF DESCRIPTION OF HISTORY / CHANGE</b>
<b>Revision 0.1:</b> <b>Revision 0.2:</b>

<b>APPROVAL SIGNATURE RECORD</b>		
<b>Reviewer Role</b>	<b>Title</b>	<b>Signature</b>
Document Owner	Site Manager	
Reviewer 1		
Reviewer 2		
Reviewer 3		
Reviewer 4		
Reviewer 5		
Document Administrator	Manager: Safety	
Approved by:	Director	

	<b>GEMINI SAFETY AND HEALTH MANAGEMENT SYSTEM</b>	<b>Element:</b> <b>3.8.1</b> Emergency Plan Summit Evacuation	
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		<b>Pages: 4</b>	

## Introduction

Personnel must evacuate the summit and the 20-Unit Dormitory / Gemini Cerro Pachon Hostel whenever one or more of the following conditions are present:

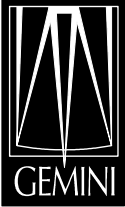
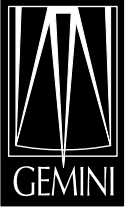
- Raining steadily
- Snowing steadily and the thickness of the layer of fresh snow is above 2.5 cm
- Sustained wind speed is over 76 km/h (according to Beaufort scale number 9)
- Wind gust speed is over 88 km/h (according to Beaufort scale number 9)
- Gemini Site manager / SSA recommends evacuation
- The AOSS on CTIO recommends evacuation
- Weather forecast is indicating continuing inclement (bad) weather
- A major earthquake
- Fire emergency

## Decision For and Coordination of the Evacuation

The Gemini Site Manager is responsible for taking the decision about when to evacuate the summit and for coordinating the evacuation procedure. In the absence of the Site Manager, these responsibilities fall on the Duty Officer.

## Important Notes

- Site Manager designate the Duty Officer.
- SSA is the Duty Officer for the night crew.
- Cold weather gear consists of: parka, safety shoes, insulated leather gloves and UV coated sunglasses.
- Emergency Kit consists of: a first aid kit, flashlight and blanket.
- Vehicle checking consists of:
  - Adequate fuel
  - Appropriate air pressure in all the tires, including the spare one
  - A working vehicle radio with the AOSS frequencies, tuned on channel 1
  - A flashlight kept in the vehicle
  - Jacks, wrenches and all the tools required to change a flat tire
  - Shovel
  - Snow chains
  - Emergency kit

	<b>GEMINI SAFETY AND HEALTH MANAGEMENT SYSTEM</b>	<b>Element:</b> <b>3.8.1</b> Emergency Plan Summit Evacuation	
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### Before Evacuation

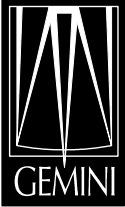
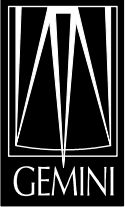
- Site Manager / Duty Officer must communicate with AOSS Chief of Evacuation Planning (Mr. Ricardo Aguirre) on road conditions and the destination of AOSS personnel in Cerro Pachon (janitors and cook).
- If telephones are not working then radio communication with CTIO will be necessary.
- Site Manager / Duty Officer instructs AOSS to evacuate.
- All personnel evacuating the summit must be equipped with cold weather gear.
- All night crew personnel on the summit must be equipped with a flashlight.
- Drivers must ensure that the vehicles used in the evacuation are checked.

### During Evacuation

- Personnel must assemble at the safety zone.
- Here the Site Manager / Duty Officer will do a roll call and instruct on the method of evacuation.
- It is the duty of the Gemini Site Manager / Duty Officer to ensure that no person is left on the summit or in the 20-unit dorm or Gemini Hostel.
- The Site Manager / Duty Officer must allocate occupants to the vehicles and make a note of occupants of each vehicle.
- The vehicles must evacuate the summit in a convoy.
- The Site Manager / Duty Officer must directly communicate with the Tololo Duty Officer / AOSS on an ongoing basis and inform them of the status of the evacuation.

### After Evacuation

- Following evacuation, certain restrictions and priorities shall apply until the Gemini Site Manager / Duty Officer declares that the emergency is over.
- Only Gemini personnel and other individuals authorized by the Gemini Site Manager as part of a team to work on the reopening of operations will be permitted to use the road to the Cerro Pachon site.
- The Site Manager / Duty Officer will assign vehicles to the authorized personnel. This is to ensure that the most efficient and safest method is used to reopen the site.
- If the site cannot be reopened due to adverse weather conditions, the day crew must stay in LSBF.
- The Site Manager will then assign tasks to the day crews.
- If the site was evacuated due to an earthquake or fire emergency the day crew can go home if it is safe to do so.

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### Conditions for Returning To the Summit

- Only the Gemini Site Manager / Duty Officer can give instructions to reopen the site.
- Those authorized may travel to the summit and to the 20-Unit Dormitory / Gemini Hostel only when all the following conditions are met:
  - The road to the summit has been cleared by AOSS
  - The sustained wind speed is below 76 km/h (according to Beaufort scale number 9)
  - The wind gust speed is below 88 km/h (according to Beaufort scale number 9)
  - The rain or snow has stopped falling steadily
  - The weather forecast is clearly showing improved weather conditions over the summit

### Precautions to Be Taken when returning to the Summit

The Gemini Site Manager / Duty Officer will ensure that:

- All personnel returning to the summit are equipped with cold weather gear
- All night crew personnel are equipped with flashlights
- A working hand-held radio with the AOSS frequencies is carried in each vehicle
- Each driver has checked that his vehicle is in good condition and equipped with all the required equipment

### Emergency Phones

	Name	Position	La Serena	Home	Mobile
1	Ricardo Aguirre	AOSS Chief Emergency Plan	205280 -205283	222646	9-7426840
2	Mario Gonzalez	Safety Engineer AURA	205372 - 205438	241686	9-4897970
3	Diego Maltes	Gemini South Site Manager	205751 (SBF) 205702 (CP)	485012	9-8748083