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Document Title: Emergency Response Plan Main Elements & Notification Procedures Summary

Emergency Response Plan Main Elements

1	Intr	oduction		
2	Hea	lth, Safety and Environmental Policy		
3	ERF	P Efficiency		
4	Site	Description		
5	Тур	Types of Emergencies		
6	Eme	Emergency Categories		
7	Eme	Emergency Detections and Alarm Facilities		
8	Eme	Emergency Communications		
9	Eme	Emergency Notification Charts		
10	Emergency Management Team			
10/01 Responsibilities		Responsibilities		
10)/02	Call-out Chart		
11	Eme	ergency Response Teams		
11	11/01 Classification According to the event Type			
11	11/02Roles and Responsibilities			
11/03 Call-out Steps		Call-out Steps		
12	Emergency control Room Facilities			
13	Eme	Emergency Equipment and Facilities		
14	Alternative Power Supply			
15	Emergency Shut-down Procedures and Pipelines Isolation			
16	Evacuation plan			
16	5/01	Evacuation Team		
16	5/02	Emergency Exit Routes and Facilities		
16	5/03	Assembly Points		



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17	Sear	ch and R	escue Operations
17	//01	Rescue '	Team
17	//02	Rescue	Equipment and Facilities
18	Traf	fic Contr	ol and Gates Security
19	Spil	l Combat	ing
19	/01	Combat	ing Team
19	/02	Combat	ing Equipment and Facilities
20	Mai	ntenance	and Engineering Services
20	/01	Mainten	ance and Engineering Team
20	/02	Mainten	ance and Engineering Equipment and Facilities
21	Trar	nsportatio	on Plan
22	First	t Aid and	Medical Services
22	2/01	First Aid	d Team
22	2/02	First Aid	d Facilities
22	2/03	Medical	Team Call-out Chart
23	Mut	ual Aids	
23	/01	Roles ar	nd Responsibilities
23	23/02 Mutual		Aids Call-out Chart
24	Prep	paration f	for Catering
25	Eme	ergency E	End Notification
26	Dealing With		n Media
Attacl	nmen	ts	
Attachment (1)		ent (1)	Lay-out / Maps
Atta	Attachment (2)		Coordinates Directory
Atta	chme	ent (3)	Distances Directory
Atta	chme	ent (4)	Phone Directory
			4/1 Emergency Control Room Members



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	4/2	On-Scene Commander
	4/3	Affiliate sites
	4/4	Mutual Aids and Concerned Parties
	4/5	Hospitals and Medical Centers
Attachment (5)	Emer	rgency Control Room Facilities Review Checklist
Attachment (6)	Eme	rgency Notification Form
Attachment (7)	Emer	rgency Facilities and Equipment
Attachment (8)	Exter	rnal Pipelines Map
Attachment (9)	Acci	dent Investigation Form
Attachment (10)	Eme	rgency Drill Form and Report
Attachment (11)	Eme	rgency Scenarios





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Document Title: Emergency Response Plan Main Elements & Notification Procedures Summary

Dealing with Emergency Notification Procedures

01- Reset of Gas Flow in Natural Gas Axial Regulators

Emergency Control Center

- 1 Receiving Notification
 - Carry-out the emergency call chart and:
- 2 Notify and directed the emergency team to the event place.
- 3 Notify area shift and emergency engineers for evaluating the event and follow-up situation.
- 4 Recording the event in emergency logbook.

Emergency Team

- 1 Gradually Shut-off all valves (Inlet / Outlet Valves) with complete closing
- 2 Fixing flame trap in a suitable place at one of regulator outlet valves
- 3 Fixing a manometer 120 mbar on a measuring point for the regulator outlet
- 4 Closing of the 0.5-inch valve below the outlet valve
- 5 Screwing of regulator's active spring to the end point
- 6 Screwing of regulator's monitor spring to the end point
- 7 Screwing of regulator's relief spring to the end point
- 8 Screwing of regulator's slum-shut spring to the end point
- 9 Opening flame trap outlet valve
- 10 Opening the 0.5-inch active relief valve
- 11 Opening the gas inlet valve gradually and insure gas flow
- 12 Screwing of regulator's monitor spring and follow-up pressure on manometer to reach the pressure needed to shut-off
- 13 Unplugging the slam-shut spring until it closed to reach closing set, this is the closing pressure, and repeat this process to make sure the lock at the desired pressure



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14	Unplugging the monitor spring and follow-up manometer reading until it reaches the pressure required for the relief spring
15	Unplugged the relief spring and using of water / soap solution on relief opening until the gas comes out, so that is the pressure of the relief
16	Unplugged the monitor spring until reaching the required pressure for the monitor
17	Opening the 0.5-inch valve below the outlet valve
18	Unplugged the active spring to reach the required operating pressure
19	Opening the regulator's outlet valve gradually to flow the gas into the network
20	Checking any gas leak on all regulator part



		a 1000 m ³ / hour Natural Gas Axial Regulator's Filter Introl Center
1 Intergence		eiving Notification
1		ry-out the emergency call chart and:
2	- 1	Notify and directed the emergency team to the event place.
е		Notify area shift and emergency engineers for evaluating the event and follow-up situation.
		Recording the event in emergency logbook
Emergenc	y Tea	um and a state of the state of
1	Mo	nitor meter reading for the pressure differences on the filter
		case of pressure differences reading this will need the owing steps:
	2/1	Gradually close the inlet valve
	2/2	Gradually close the outlet valve
	2/3	Close the 1-inch active, monitor and slam-shut valves
	2/4	Fixing flame trap on the venting valve
	2/5	Burge the gas inside the regulator
	2/6	Open the filter gate and remove the filter
	2/7	Clean the filter or replace it if needed
	2/8	Return the filter to its place
	2/9	Inspect the filter's gate gasket and replace it if needed
2	2/10	Close the filter's gate
2	2/11	Gradually open the inlet valve to purge the air partially
2	2/12	Close the venting valve
2	2/13	Gradually close the 0.5-inch valve on outlet
2	2/14	Gradually open the inlet valve (full open)
2	2/15	Gradually open the outlet valve (full open)
3	Tes	ting all parts that opened using water / soap solution



Emergenc	y Control Center
1	Receiving Notification
	Carry-out the emergency call chart and:
2	- Notify and directed the emergency team to the event place.
3	- Notify area shift and emergency engineers for evaluating the event and follow-up situation.
4	- Notify the concerned parties (Rescue Police and Civil Protection) if needed.
5	- Recording the event in emergency logbook.
Shift / Em	ergency Engineers arrange and communicate for
1	Communication with Top Management for Main Line Gas Isolation "If Needed"
2	Shut-off Natural Gas for Top Customers
3	Raising area PRMS outlet Pressure
4	Raising pressure for high-pressure regulators to reach the maximum pressure capacity over the emergency event area.
Emergenc	y Team
1	Review of pipeline isolation maps and isolate of the valves before and after release part.
2	Preparing area for excavation to inspect the buried pipeline and secure the area by using:
	2/1 Barricading
	2/2 Warning signs
	2/3 Fire extinguishers distribution
3	Providing temporary isolation (by using release isolators)
4	Notify the maintenance team for fixing the cracked part
5	Monitoring of the high-pressure network to take the necessary action for re-feeding gas.



Emergen	ncy Contr	rol Center		
1	Receiv	ving Notification		
	Carry-	-out the emergency call chart and:		
2	2 - Not	tify and directed the emergency team to the event place.		
3		tify area shift and emergency engineers for evaluating the ent and follow-up situation.		
4		tify the concerned parties - Rescue Police and Civil otection		
5	5 - Rec	cording the event in emergency logbook.		
Shift / E	Emergenc	y Engineers arrange and communicate for		
1		nunication with Top Management for Main Line Gas		
2	2 Shut-o	off Natural Gas for Top Customers		
3	8 Raisin	ng area PRMS outlet Pressure		
4		Raising pressure for high-pressure regulators to reach the maximum pressure capacity over the emergency event area.		
Emerge	ncy Team	2		
1	Partia	l isolation for area valves to control the fire.		
2	2 Fighti	ng the fire with Civil Protection team		
3	L 1	ring area for excavation to inspect the buried pipeline and the area by using:		
	3/1	Barricading		
	3/2	Warning signs		
	3/3	Fire extinguishers distribution		
	Provid	ling temporary isolation (by using release isolators)		
4				



1 2	Carry - No eve - No Pro - Re mergence	ent and follow-up situation. tify the concerned parties (Rescue Police and Civil otection) if needed. cording the event in emergency logbook. <i>The provide strange and communicate for</i> nunication with Top Management for Main Line Gas	
3 4 5 Shift / Em 1 2 Emergenc 1	- No eve - No Pro - Re mergence	tify and directed the emergency team to the event place. tify area shift and emergency engineers for evaluating the ent and follow-up situation. tify the concerned parties (Rescue Police and Civil otection) if needed. cording the event in emergency logbook. EXAMPLE POLICE AND COMMUNICATE FOR nunication with Top Management for Main Line Gas	
3 4 5 Shift / Em 1 2 Emergenc 1	- No eve - No Pro - Re mergenc	tify area shift and emergency engineers for evaluating the ent and follow-up situation. tify the concerned parties (Rescue Police and Civil otection) if needed. cording the event in emergency logbook. by Engineers arrange and communicate for nunication with Top Management for Main Line Gas	
4 5 Shift / Em 1 2 Emergenc 1	eve - No Pro - Re mergence	ent and follow-up situation. tify the concerned parties (Rescue Police and Civil otection) if needed. cording the event in emergency logbook. <i>The provide strange and communicate for</i> nunication with Top Management for Main Line Gas	
5 Shift / Em 1 2 Emergenc 1	Pro - Re mergence Comr	otection) if needed. cording the event in emergency logbook. by <i>Engineers arrange and communicate for</i> nunication with Top Management for Main Line Gas	
Shift / Em 1 2 Emergenc 1	mergenc Comr	by Engineers arrange and communicate for nunication with Top Management for Main Line Gas	
1 2 Emergenc 1	Comr	nunication with Top Management for Main Line Gas	
2 Emergenc			
Emergenc 1		ion "If Needed"	
1		ng pressure for low pressure regulators feeding the network ch 105 mbar	
	ncy Tean	y Team	
2		w of pipeline isolation maps and isolate of the valves before fter release part.	
-	-	ring area for excavation to inspect the buried pipeline and the area by using:	
	2/1	Barricading	
	2/2	Warning signs	
	2/3	Fire extinguishers distribution	
3	Provi	ding temporary isolation (by using release isolators)	
4		y the maintenance team for fixing the cracked part	
5	· · ·	coring of the medium-pressure network to take the necessary	



Emergenc	y Control Center	
1	Receiving Notification	
	Carry-out the emergency call chart and:	
2	- Notify and directed the emergency team to the event place.	
3	- Notify area shift and emergency engineers for evaluating the event and follow-up situation.	
4	- Notify the concerned parties - Rescue Police and Civil Protection	
5	- Recording the event in emergency logbook.	
Shift / En	nergency Engineers arrange and communicate for	
1	Communication with Top Management for Main Line Gas Isolation "If Needed"	
Emergend	cy Team	
1	Partial isolation for area valves to control the fire.	
2	Fighting the fire with Civil Protection team	
3	Preparing area for excavation to inspect the buried pipeline and secure the area by using:	
	3/1 Barricading	
	3/2 Warning signs	
	3/3 Fire extinguishers distribution	
4	Providing temporary isolation (by using release isolators)	
5	Notify the maintenance team for fixing the cracked part	
6	Monitoring of the medium-pressure network to take the necessary action for re-feeding gas	



Emergen	cy Contr	ol Center
1	Receiv	ving Notification
	Carry-	out the emergency call chart and:
2	- Not	ify and directed the emergency team to the event place.
3		ify area shift and emergency engineers for evaluating the nt and follow-up situation.
4		ify the concerned parties (Rescue Police and Civil tection) if needed.
5	- Rec	ording the event in emergency logbook.
Shift / En	iergency	y Engineers arrange and communicate for
1		unication with Top Management for Main Line Gas on "If Needed"
Emergen	cy Team	,
1		nining the leak point or crack by using the GascoSeeker ir f not determined by any one
		w of pipeline isolation maps and isolate of the valves before ter release part.
2	-	ing area for excavation to inspect the buried pipeline and the area by using:
	2/1	Barricading
	2/2	Warning signs
	2/3	Fire extinguishers distribution
3		ling temporary isolation by using hand or mechanical ters to stop the gas leak
4	Notify	the maintenance team for fixing the cracked part
		· –



Emergene	cy Control Center
1	Receiving Notification
	Carry-out the emergency call chart and:
2	- Notify and directed the emergency team to the event place.
3	- Notify area shift and emergency engineers for evaluating the event and follow-up situation.
4	- Notify the concerned parties (Rescue Police and Civil Protection) if needed.
5	- Recording the event in emergency logbook.
Shift / En	hergency Engineers arrange and communicate for
1	Communication with Top Management for Main Line Gas Isolation "If Needed"
Emergen	cy Team
1	Determining the leak point or crack by using the GascoSeeker in case of not determined by any one
2	Review of pipeline isolation maps and isolate of the valves before and after release part.
3	Preparing area for excavation to inspect the buried pipeline and prepare axial rout with secure the area by using:
	3/1 Barricading
	3/2 Warning signs
	3/3 Fire extinguishers distribution
4	Providing temporary isolation by using hand or mechanical squeezers to stop the gas leak
5	Isolating the natural gas feeding from the housing) incase of gas Interruption the emergency team will isolate the land branches from the buildings and return back after finalizing the maintenance)
6	Notify the maintenance team for fixing the cracked part
7	Monitoring of the medium-pressure network to take the necessary action for re-feeding gas



Emergen	cy Control Center
1	Receiving Notification Warning notifier to be away from the crack or leak place and avoid any naked flame near or around the area
	Carry-out the emergency call chart and:
2	- Notify and directed the emergency team to the event place.
3	- Notify area shift and emergency engineers for evaluating the event and follow-up situation.
4	- Notify the concerned parties (Rescue Police and Civil Protection) if needed.
5	- Recording the event in emergency logbook.
Shift / En	nergency Engineers arrange and communicate for
1	Communication with Top Management for Main Line Gas Isolation "If Needed"
Emergen	cy Team
1	Protecting and secure the area from any source of ignition and calm and reassure the public
2	Securing the case and notifying the population by temporary shut- off the gas feeding
3	Fixing the crack or the case shall continue to be secured and communication shall be transferred to the responsible department to complete repair work
4	Assessing situation to determine the event responsibility (Misleading or not)
5	Giving warning to the population to take the necessary action to avoid reoccur as a dangerous situation
6	A report of the incident shall be made after a case recorded to



Emergen	cy Control Center
1	Receiving Notification Warning notifier to be away from the crack or leak place and avoid any naked flame near or around the area
	Carry-out the emergency call chart and:
2	- Notify and directed the emergency team to the event place.
3	- Notify area shift and emergency engineers for evaluating the event and follow-up situation.
4	- Notify the concerned parties (Rescue Police and Civil Protection) if needed.
5	- Recording the event in emergency logbook.
Shift / En	nergency Engineers arrange and communicate for
1	Communication with Top Management for Main Line Gas Isolation "If Needed"
Emergen	cy Team
1	Protecting and secure the area from any source of ignition and calm and reassure the public
2	Securing the case and notifying the population by temporary shut- off the gas feeding
3	Fixing the crack or the case shall continue to be secured and communication shall be transferred to the responsible department to complete repair work
4	Assessing situation to determine the event responsibility (Misleading or not)
5	Giving warning to the population to take the necessary action to avoid reoccur as a dangerous situation
6	A report of the incident shall be made after a case recorded to take necessary legal actions



Emergeno	cy Control Center
1	Receiving Notification
	Inform the reporter by:
	shut-off the internal main valve
	open the windows
	not to turn on or off any lights
	no naked flame
	Carry-out the emergency call chart and:
2	- Notify and directed the emergency team to the event place.
3	- Notify area shift and emergency engineers for evaluating the event and follow-up situation.
4	- Notify the concerned parties (Rescue Police and Civil Protection) if needed.
5	- Recording the event in emergency logbook.
Shift / En	ergency Engineers arrange and communicate for
1	Communication with Top Management for Main Line Gas Isolation "If Needed"
Emergend	cy Team
1	Protecting and secure the house from any source of ignition and ask for the source of the gas smell (in / or outside)
2	Detecting the gas and determining the source from all connections
3	Using the GascoSeeker to determine the higher gas ratio
4	Determining the source and fixing it the retest the connections
5	In case of not determining the gas leak, the team secure the place started to detect the gas in each unit, and notifying the Emergency Control Room to call the maintenance team to review all gas connection started from the main gas pipeline
6	If the gas ratio exceeding 1 % the maintenance team will shut-of the gas from the hall building
7	If there is no gas leak detected, maintenance team return the gas flow again



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Date				Time				Туре		
Addres	s									
Injurie	25									
Name		Р	.R No.	Age	De	pt.	Job Title	Exp).	Duration in The Comp.
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Injury Type			Origin Injured							
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Natura Temper Accider PPE Accider Name Team I Job Su HSE O	al Condita rature nt Reaso Not ava nt Witne Leader O pervisor	ions Pre ns U ailable sses ppinion (Opinion	vailing Wi nsafe A P.R Acciden (Acciden t / Injur	in Acc nd Stat cts No. nt / Inj lent / Inj ry)	us Wro Age ury)	ong Use	Unsafe	No	ons t Used	
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