

Social and Environmental Management Guidance

for Micro Finance Institutions



Working with Clients on the Social and Environmental Aspects of Microfinance

PART B: FIELD GUIDE



TRIPLE VALUE
STRATEGY CONSULTING

FMO

Finance for Development



Sectoral guidelines for environmental and social risk assessment

<p>'X' Indicates when there is a significant risk</p> <p>• Indicates when there is a limited risk</p> <p>Indicative E&S category</p> <p>■ Red: High E&S risk</p> <p>■ Blue: Medium E&S risk</p> <p>■ Yellow: Low E&S risk</p>		...air pollution	...deforestation	...fish depletion	...littering and disease and pest occurrence	...soil depletion	...water pollution	...fire and explosion	...infection of HIV/AIDS	...intoxication	...occurrence of diseases	...occurrence of harmful bacteria and diseases	...personal injury	...bad working environment	...harmful child labour	...unfair labour conditions
																
For the sectors... ↓		...the main risks are →														
HR1	Agricultural crop production with use of chemical pesticides and		X			•			X			X		•	•	
HR2	Charcoal making	X	X		•			•					X	•	•	
HR3	Chemical industries	X			X	X		•	X			•	X	•	•	
HR4	Forestry / wood production		X			X						X	•	•	•	
HR5	Laundry services / dry-cleaner					X			X				X	X	•	
HR6	Leather production/tanning		•		•	X			X	•		•	X	•	•	
HR7	Metal working /forging/electroplating		•		•	X	X		•			X	X	•	•	
HR8	Raw materials extraction (quarrying/mining)		•		•	X	X	•	•	•		X	X	•	•	
HR9	Textile production/dyeing		•		•	X			X			•	X	X	X	
MR1	Animal husbandry		X			•			X	X		•		X	•	
MR2	Brick-making / construction works		•	•	•	X	•	•	X			•	X	X	•	
MR3	Home improvement			•	X	•		•	•	X		X	X	•	•	
MR4	Car Repair, maintenance service		•		•	X	X		X			X			•	
MR5	Carpentry / woodworking / painting			•		•			X			X			•	
MR6	Ceramics / pottery glazing / enameling		•		•	•	X		•				X	X	•	
MR7	Film processing facilities / printing services		•		•	X		•	X			•	X		•	
MR8	Fishery			X	•	•		•					•	X	•	
MR9	Glass manufacturing/blowing		•			•	X		•			•	X	•	•	
MR10	Handicrafts				•			•	•			•	X	X		
MR11	Jewelry								X			X	X	•		
MR12	Pulp and paper products / print making		•	•	•	X		•	X			•	X	•	•	
MR13	Taxi services / freight services/ transportation		X		•			•	X			X	•	•	•	
MR14	Waste and water management		•		X	X			•			X	X	•	•	

<p>'X' Indicates when there is a significant risk • Indicates when there is a limited risk</p> <p>Indicative E&S category</p> <p>Red: High E&S risk Blue: Medium E&S risk Yellow: Low E&S risk</p>		...air pollution	...deforestation	...fish depletion	...fifteening and disease and pest occurrence	...soil depletion	...water pollution	...fire and explosion	...infection of HIV/AIDS	...intoxication	...occurrence of diseases	...occurrence of harmful bacteria and diseases	...personal injury	...bad working environment	...harmful child labour	...unfair labour conditions
																
For the sectors... ↓		...the main risks are →														
LR1	Agricultural organic crop production		X			•	•						X		•	•
LR2	Business services															
LR3	Café / restaurant				X						X			•	X	•
LR4	Education / training															
LR5	Food processing				•		•			•	X	X	X	X	•	
LR6	Grain milling				•			X			•	X	X	•	•	
LR7	Hairdresser / cosmetic studio				•		•			X			X	•	•	
LR8	Health services				X			X	X							
LR9	Import/export wholesalers				•									•	•	•
LR10	Market premises management				X		•	•								
LR11	Market stand				X			•	•		X			X	•	
LR12	Media / communication / design studio / advertising agency															
LR13	Photocopy shop				•				X					•	•	•
LR14	Real estate		•			•		•								
LR15	Retail kiosk / shop / retail trade premises				X			•						•	•	•
LR16	Sport and entertainment facilities / travel agency				•		•		•		X			•	•	
LR17	Supply of computer and office equipment															
LR18	Tourism								•		X			•	X	•
LR19	Other services				X									•	•	•
LR20	Other trade				•				•					•	•	•

HR1 - Agricultural crop production with use of chemical pesticides and fertilizers

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

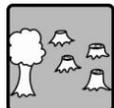
DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... deforestation



- Forest is managed unsustainable (illegal and/or without reforestation plan)

- Deforestation, if not performed carefully and in a sustainable way causes land erosion and degradation, and in rainy periods increased water runoff and mud floods

- ① Agree only on permitted and sustainable forms of pristine land use
- ① Apply reforestation: plant new trees

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Not over-use chemicals
- ① Consider integrated pest control
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste

... personal injury



- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water
- Proper safeguard measures should be available

- ① Position machines on a safe spot and cover dangerous moving parts
- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards (mask, goggles, gloves, helmet and proper working clothes)
- ① Re-use scrap / disposals
- ① Establish contingency plans for accidents
- ① Have first aid kit available

Also think of...

... littering and disease and pest occurrence



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Farmers should use pesticides that are permitted.
- Farmers should consider to carry out integrated pest management (biological – physical – chemical)
- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

HR2 – Charcoal making

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... air pollution

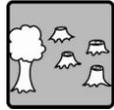


- Smoke / exhaust gas is being produced and emitted with no use of proper filter

- Using filters and proper chimneys prevents nearby residents from contact with contaminated gases
- Reducing air emissions prevents global warming (CO2 emission) and ozone depletion

- ① Reduce unnecessary burning
- ① Maintain burners and adjust them well
- ① Use clean fuel, filters and chimneys
- ① Use closed heating / burning systems
- ① Re-use heat (energy)

... deforestation



- Forest is managed unsustainable (illegal and/or without reforestation plan)

- Deforestation, if not performed carefully and in a sustainable way causes land erosion and degradation, and in rainy periods increased water runoff and mud floods

- ① Agree only on permitted and sustainable forms of pristine land use
- ① Apply reforestation: plant new trees

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

Also think of...

...littering and disease and pest occurrence



... fire and explosion



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- The processing and finishing of wood and metal products involves the use of glues, paints, and solvents, the improper disposal of which can degrade soil and water resources. In addition, depending on location and market conditions, the increased demand for wood, coupled with outdated technology and inadequate regulation, may lead to high waste rates and contribute to unsustainable logging practices.
- Exposure to glues, paints, solvents, strippers, finishers, and noise can lead to skin irritation, intoxication, damage to vital organs, allergic reactions, and possibly hearing impairment

HR3 – Chemical industry

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... air pollution



- Smoke / exhaust gas is being produced and emitted with no use of proper filter

- Using filters and proper chimneys prevents nearby residents from contact with contaminated gases
- Reducing air emissions prevents global warming (CO2 emission) and ozone depletion

- ① Reduce unnecessary burning
- ① Maintain burners and adjust them well
- ① Use clean fuel, filters and chimneys
- ① Use closed heating / burning systems
- ① Re-use heat (energy)

...littering and disease and pest occurrence



- Waste is not disposed or disposed incorrectly
- Leakages, disposals, liquid waste or wastewater drains to stream/river/pond/soil

- Proper disposal of waste prevents attraction of pests, vermin, rodents or parasites and intoxication of soil and water

- ① Dispose waste via community services instead of burning
- ① Have dustbins available; waste lying around attracts even more waste
- ① Sell waste/scrap to recycling companies
- ① Stop leakages and draining liquid waste

... water pollution



- Wastewater / liquids are being released / discharged to water (stream/pond/lake/open sewer)

- Contaminated drinking water can harm people who depend on it
- Contaminated water harms nature (fish, livestock and other animals)

- ① Prevent unnecessary water discharges
- ① Use filters
- ① Discharge wastewater in controlled sewer system
- ① Discharge toxic waste via community service

... intoxication



- No safeguards are available and/or used when necessary(mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste and compulsory cleaning of staff before leaving the working place (washing hands, separate clothes and shoes)

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

Also think of...

... fire and explosion



... personal injury



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- without permit (e.g. Prevention and Control of Pollution Act, 1974)
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- Develop chemical fact sheets to get a good overview of all chemicals in the storage and their risks
- Put etiquettes on each bottle and package with chemicals to ensure proper use and handling

HR4 – Forestry / Wood production

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

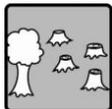
DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... **deforestation**



- Forest is managed unsustainable (illegal and/or without reforestation plan)

- Deforestation, if not performed carefully and in a sustainable way causes land erosion and degradation, and in rainy periods increased water runoff and mud floods

- ① Agree only on permitted and sustainable forms of pristine land use
- ① Apply reforestation: plant new trees

... **soil depletion**



- The activities cause erosion and/or land degradation

- Not re-planting cleared forest areas increases the risk for land erosion

- ① Cleared forest areas are re-planted directly after clearing

... **personal injury**



- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water
- Proper safeguard measures should be available

- ① Position machines on a safe spot and cover dangerous moving parts
- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards (mask, goggles, gloves, helmet and proper working clothes)
- ① Re-use scrap / disposals
- ① Establish contingency plans for accidents
- ① Have first aid kit available

Also think of...

... bad working environment



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- Don't install diesel generator sets without approval certificate
- No clearing of forest without permit

Solutions, tips, further information

- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- Re-plant cleared forest areas to ensure sustainable forestry

HR5 – Laundry services / dry-cleaner

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... water pollution



- Wastewater / liquids are being released / discharged to water (stream/pond/lake/open sewer)

- Contaminated drinking water can harm people who depend on it
- Contaminated water harms nature (fish, livestock and other animals)

- ① Prevent unnecessary water discharges
- ① Use filters
- ① Discharge wastewater in controlled sewer system
- ① Discharge toxic waste via community service

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Not over-use chemicals
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

... harmful child labour



- Children are being employed
- Children are working during school hours
- Children are negatively affected by the work either physical, mentally, spiritual, morally or socially

- Children should receive education, proper nutrition and health care. They should be protected from abuse and discrimination, able to play and enjoy their childhood

- ① Have children help with light duties only
- ① Only have children helping outside school hours and pupils must have time and designated place to do homework
- ① Not have children operating hazardous machines or working with hazardous materials or substances

Also think of...

... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- without permit (e.g. Prevention and Control of Pollution Act, 1974)
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

HR6 – Leather production / tanning

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... water pollution



- Wastewater / liquids are being released / discharged to water (stream/pond/lake/open sewer)

- Contaminated drinking water can harm people who depend on it
- Contaminated water harms nature (fish, livestock and other animals)

- ① Prevent unnecessary water discharges
- ① Use filters
- ① Discharge wastewater in controlled sewer system
- ① Discharge toxic waste via community service

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Not over-use chemicals
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

Also think of...

... air pollution



... littering and disease and pest occurrence



... occurrence of diseases



... personal injury



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Residuals (i.e. hair) should not be burnt in the open
- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- Tanning is a large sector in most developing countries. The major effluents consist of heavy metals, organic compounds, and liquid detergents, which are typically discharged into sewer systems, streams, and rivers.
- Workers can be exposed to toxic dyes and gases and chromium, leading to skin irritation, intoxication, and damage to vital organs and allergic reactions

HR7 – Metal working / forging / electroplating

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... water pollution



- Wastewater / liquids are being released / discharged to water (stream/pond/lake/open sewer)

- Contaminated drinking water can harm people who depend on it
- Contaminated water harms nature (fish, livestock and other animals)

- ① Prevent unnecessary water discharges
- ① Use filters
- ① Discharge wastewater in controlled sewer system
- ① Discharge toxic waste via community service

... fire and explosion



- No safeguards are available and/or used when necessary
- Equipment is stored in an unsafe way considering fire risk
- Electricity wires are loose or damaged

- Equipment that can cause fire should be handled and stored with care to decrease fire risk
- Malfunctioning Electricity is dangerous and can fall down

- ① Create a separate storage locked away from children and located away from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available

... personal injury



- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water
- Proper safeguard measures should be available

- ① Position machines on a safe spot and cover dangerous moving parts
- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards (mask, goggles, gloves, helmet and proper working clothes)
- ① Re-use scrap / disposals
- ① Establish contingency plans for accidents
- ① Have first aid kit available

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders at places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

Also think of...

... air pollution



...littering and disease and pest



... intoxication



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- Many metalworking enterprises discharge heavy metals in sewer systems resulting in biological magnification in aquatic life, which in turn poses threats to humans who consume contaminated fish.
- Workers can be exposed to toxic gases, silica, and asbestos, leading to damaged nervous systems, heat stress, burns cuts, electrical shocks, and chronic lung disease

HR8 – Raw material extraction (quarrying/mining)

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... soil depletion



- The activities cause erosion and/or land degradation

- Careful and sustainable extraction of clay/minerals prevents land erosion and degradation

- ① Recover land by growing vegetables or planting plants or trees to prevent land erosion after extraction
- ① Ensure that use of clay/minerals are legal, with permission

... water pollution



- Wastewater / liquids are being released / discharged to water (stream/pond/lake/open sewer)

- Contaminated drinking water can harm people who depend on it
- Contaminated water harms nature (fish, livestock and other animals)

- ① Prevent unnecessary water discharges
- ① Use filters
- ① Discharge wastewater in controlled sewer system
- ① Discharge toxic waste via community service

... personal injury



- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water
- Proper safeguard measures should be available

- ① Position machines on a safe spot and cover dangerous moving parts
- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards (mask, goggles, gloves, helmet and proper working clothes)
- ① Establish contingency plans for accidents
- ① Have first aid kit available

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

Also think of...

... deforestation



...littering and disease and pest occurrence



... fire and explosion



... infection with HIV/AIDS



... intoxication



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- Small-scale mining tends to be associated with a number of serious environmental impacts, including land degradation and chemical pollution (Gavin, 2002). Mining operations move significant amounts of rock and soil that change the surrounding landscape significantly. Alluvial mining operations result in erosion, riverbank destruction, and dam siltation. The processing of ore, especially gold, results in the release of significant quantities of mercury and cyanide. When these chemicals enter water streams they affect aquatic life.

HR9 – Textile production/dying

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... water pollution



- Wastewater / liquids are being released / discharged to water (stream/pond/lake/open sewer)

- Contaminated drinking water can harm people who depend on it
- Contaminated water harms nature (fish, livestock and other animals)

- ① Prevent unnecessary water discharges
- ① Use filters
- ① Discharge wastewater in controlled sewer system
- ① Discharge toxic waste via community service

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Not over-use chemicals
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

... harmful child labour



- Children are being employed
- Children are working during school hours
- Children are negatively affected by the work either physical, mentally, spiritual, morally or socially

- Children should receive education, proper nutrition and health care. They should be protected from abuse and discrimination, able to play and enjoy their childhood

- ① Have children help with light duties only
- ① Only have children helping outside school hours and pupils must have time and designated place to do homework
- ① Not have children operating hazardous machines or working with hazardous materials or substances

... unfair labour conditions



- There are no clear agreements with employees: they cannot claim their rights
- There is an unsafe working environment potentially leading to stress (aggression, discrimination, sexual violence)
- Tasks and/or working hours negatively influences the employees

- Clear agreements with employees should be in place, protecting their rights
- Working in a safe environment (no aggression, discrimination, (sexual) violence) prevents stress
- Working hours with regular breaks and time for rest is healthy

- ① Not have vulnerable groups (children/women) working in dangerous places
- ① Use staff suitable for the specific task
- ① Provide each employee with clear working agreements
- ① Take serious action against behaviour causing unsafe working environment

Also think of...

... air pollution



... littering and disease and pest occurrence



... personal injury



MR1 – Animal husbandry

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

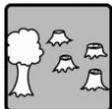
DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... deforestation



- Forest is managed unsustainable (illegal and/or without reforestation plan)

- Deforestation, if not performed carefully and in a sustainable way causes land erosion and degradation, and in rainy periods increased water runoff and mud floods

- ① Agree only on permitted and sustainable forms of pristine land use
- ① Apply reforestation: plant new trees

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Not over-use chemicals
- ① Consider integrated pest control
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste

... occurrence of diseases



- Animals are kept near eating / sleeping place
- Animals are foraging nearby waste disposal sites

- Animals can spread diseases

- ① Keep animals in a separate area

... harmful child labour



- Children are being employed
- Children are working during school hours
- Children are negatively affected by the work either physical, mentally, spiritual, morally or socially

- Children should receive education, proper nutrition and health care. They should be protected from abuse and discrimination, able to play and enjoy their childhood

- ① Have children help with light duties only
- ① Only have children helping outside school hours and pupils must have time and designated place to do homework
- ① Not have children operating hazardous machines or working with hazardous materials or substances

Also think of...

... water pollution



... personal injury



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Farmers should use pesticides that are permitted
- Farmers should consider to carry out integrated pest management (biological – physical – chemical)
- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

MR2 – Brick making / construction work

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... soil depletion



- The activities cause erosion and/or land degradation

- Careful and sustainable extraction of clay/minerals prevents land erosion and degradation

- ① Recover land by growing vegetables or planting plants or trees to prevent land erosion after extraction
- ① Ensure that use of clay/minerals are legal, with permission

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

... harmful child labour



- Children are being employed
- Children are working during school hours
- Children are negatively affected by the work either physical, mentally, spiritual, morally or socially

- Children should receive education, proper nutrition and health care. They should be protected from abuse and discrimination, able to play and enjoy their childhood

- ① Have children help with light duties only
- ① Only have children helping outside school hours and pupils must have time and designated place to do homework
- ① Not have children operating hazardous machines or working with hazardous materials or substances

Also think of...

... air pollution



... deforestation



...littering and disease and pest occurrence



... fire and explosion



... personal injury



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Only use chemicals that are permitted.
- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

MR3 – Home improvement

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

...littering and disease and pest occurrence



... intoxication



... personal injury



... bad working environment



- Waste is not disposed or disposed incorrectly
- Leakages, disposals, liquid waste or wastewater drains to stream/river/pond/soil
- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Proper disposal of waste prevents attraction of pests, vermin, rodents or parasites and intoxication of soil and water

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water
- Proper safeguard measures should be available

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Re-use organic waste as fertilizer or animal fodder
- ① Dispose waste via community services instead of burning
- ① Have dustbins available; waste lying around attracts even more waste
- ① Sell waste/scrap to recycling companies
- ① Stop leakages and draining liquid waste
- ① Not over-use chemicals
- ① Consider integrated pest control
- ① Provide and use safeguards when working with chemicals
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste and compulsory cleaning of staff before leaving the working place (washing hands, separate clothes and shoes)
- ① Position machines on a safe spot and cover dangerous moving parts
- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards
- ① Re-use scrap / disposals
- ① Establish contingency plans for accidents
- ① Have first aid kit available
- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

Also think of...

... deforestation



... water pollution



... fire and explosion



.....infection HIV/AIDS



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Only use chemicals that are permitted.
- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

MR4 – Car repair / maintenance service

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... water pollution



- Wastewater / liquids are being released / discharged to water (stream/pond/lake/open sewer)

- Contaminated drinking water can harm people who depend on it
- Contaminated water harms nature (fish, livestock and other animals)

- ① Prevent unnecessary water discharges
- ① Use filters
- ① Discharge wastewater in controlled sewer system
- ① Discharge toxic waste via community service

... fire and explosion



- No safeguards are available and/or used when necessary
- Equipment is stored in an unsafe way considering fire risk
- Electricity wires are loose or damaged

- Equipment that can cause fire should be handled and stored with care to decrease fire risk
- Malfunctioning Electricity is dangerous and can fall down

- ① Create a separate storage locked away from children and located away from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Not over-use chemicals
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste

... personal injury



- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water
- Proper safeguard measures should be available

- ① Position machines safely and cover moving parts
- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards (mask, goggles, gloves, helmet and proper working clothes)
- ① Re-use scrap / disposals
- ① Establish contingency plans for accidents
- ① Have first aid kit available

Also think of...

... air pollution



...littering and disease and pest occurrence



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Don't throw batteries away or leave them unattended. In case of de-montage: keep acids from leaking away
- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- Auto repair firms can contaminate the environment through the inappropriate disposal of oil, battery acid, and engine sludge into sewer systems and bodies of water.

MR5 – Carpentry / woodworking / painting

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Not over-use chemicals
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste

... personal injury



- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water
- Proper safeguard measures should be available

- ① Position machines on a safe spot and cover dangerous moving parts
- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards (mask, goggles, gloves, helmet and proper working clothes)
- ① Re-use scrap / disposals
- ① Establish contingency plans for accidents
- ① Have first aid kit available

Also think of...

... deforestation



... water pollution



... bad working environment



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- Painting and printing involve a number of toxic substances. The improper disposal of pigments, inks, paper waste, and solvents can contaminate soil and water with heavy metals.
- Exposure to pigments containing cadmium, cobalt, zinc, asbestos, toxic and flammable solvents, and possibly carcinogens can lead to skin irritation, intoxication, metal poisoning and chronic lung disease

MR6 – Ceramics / pottery glazing / enameling

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... fire and explosion



- No safeguards are available and/or used when necessary
- Equipment is stored in an unsafe way considering fire risk
- Electricity wires are loose or damaged

- Equipment that can cause fire should be handled and stored with care to decrease fire risk
- Malfunctioning Electricity is dangerous and can fall down

- ① Create a separate storage locked away from children and located away from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

... harmful child labour



- Children are being employed
- Children are working during school hours
- Children are negatively affected by the work either physical, mentally, spiritual, morally or socially

- Children should receive education, proper nutrition and health care. They should be protected from abuse and discrimination, able to play and enjoy their childhood

- ① Have children help with light duties only
- ① Only have children helping outside school hours and pupils must have time and designated place to do homework
- ① Not have children operating hazardous machines or working with hazardous materials or substances

Also think of...

... air pollution



... littering and disease and pest occurrence



... water pollution



... intoxication



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- Painting and printing involve a number of toxic substances. The improper disposal of pigments, inks, paper waste, and solvents can contaminate soil and water with heavy metals.
- Exposure to pigments containing cadmium, cobalt, zinc, asbestos, toxic and flammable solvents, and possibly carcinogens can lead to skin irritation, intoxication, metal poisoning and chronic lung disease

MR7 – Film processing facilities / printing services

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... water pollution



- Wastewater / liquids are being released / discharged to water (stream/pond/lake/open sewer)

- Contaminated drinking water can harm people who depend on it
- Contaminated water harms nature (fish, livestock and other animals)

- ① Prevent unnecessary water discharges
- ① Use filters
- ① Discharge wastewater in controlled sewer system
- ① Discharge toxic waste via community service

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Not over-use chemicals
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

Also think of...

... air pollution



... littering and disease and pest occurrence



... fire and explosion



... personal injury



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- Painting and printing involve a number of toxic substances. The improper disposal of pigments, inks, paper waste, and solvents can contaminate soil and water with heavy metals.
- Exposure to pigments containing cadmium, cobalt, zinc, asbestos, toxic and flammable solvents, and possibly carcinogens can lead to skin irritation, intoxication, metal poisoning and chronic lung disease

MR8 - Fishery

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... fish depletion



- Illegal fishing methods are practiced
- Overfishing: unsustainable fishing methods removing more fish than produced.

- Fishing with explosives, chemicals and/or illegal methods leads to useless killing of bi-catch and other marine flora and fauna
- Imported species can harm the regional ecosystem (e.g. predators, pests)

- ① Support sustainable forms of fishery
- ① Only use nets and fishing methods that keep small fish and extra catch alive and healthy
- ① Release caught but unwanted species (bi-catch)
- ① Use native species or keep alien species isolated
- ① Observe fishery regulations, e.g. closed seasons
- ① Report any changes in fish stocks and marine habitat to authorities

... harmful child labour



- Children are being employed
- Children are working during school hours
- Children are negatively affected by the work either physical, mentally, spiritual, morally or socially

- Children should receive education, proper nutrition and health care. They should be protected from abuse and discrimination, able to play and enjoy their childhood

- ① Have children help with light duties only
- ① Only have children helping outside school hours and pupils must have time and designated place to do homework
- ① Not have children operating hazardous machines or working with hazardous materials or substances

Also think of...

...littering and disease and pest occurrence



... water pollution



... fire and explosion



... bad working environment



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Use only pesticides that are permitted.

MR9 – Glass manufacturing / blowing

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... fire and explosion



- No safeguards are available and/or used when necessary
- Equipment is stored in an unsafe way considering fire risk
- Electricity wires are loose or damaged

- Equipment that can cause fire should be handled and stored with care to decrease fire risk
- Malfunctioning Electricity is dangerous and can fall down

- ① Create a separate storage locked away from children and located away from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

Also think of...

... air pollution



... water pollution



... intoxication



... personal injury



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

MR10 - Handicraft

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

... harmful child labour



- Children are being employed
- Children are working during school hours
- Children are negatively affected by the work either physical, mentally, spiritual, morally or socially

- Sufficient light, acceptable noise level and good ventilation is important for the health
- Children should receive education, proper nutrition and health care. They should be protected from abuse and discrimination, able to play and enjoy their childhood

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient
- ① Have children help with light duties only
- ① Only have children helping outside school hours and pupils must have time and designated place to do homework
- ① Not have children operating hazardous machines or working with hazardous materials or substances

Also think of...

...littering and disease and pest occurrence



... fire and explosion



... intoxication



... personal injury



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

MR11 - Jewelry

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Not over-use chemicals
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste

... personal injury



- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water
- Proper safeguard measures should be available

- ① Position machines on a safe spot and cover dangerous moving parts
- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards (mask, goggles, gloves, helmet and proper working clothes)
- ① Re-use scrap / disposals
- ① Establish contingency plans for accidents
- ① Have first aid kit available

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

Also think of...

... harmful child labour



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

MR12 – Pulp and paper production / print making

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... water pollution



- Wastewater / liquids are being released / discharged to water (stream/pond/lake/open sewer)

- Contaminated drinking water can harm people who depend on it
- Contaminated water harms nature (fish, livestock and other animals)

- ① Prevent unnecessary water discharges
- ① Use filters
- ① Discharge wastewater in controlled sewer system
- ① Discharge toxic waste via community service

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Not over-use chemicals
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

Also think of...

... air pollution



... deforestation



... littering and disease and pest occurrence



... fire and explosion



... personal injury



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- Painting and printing involve a number of toxic substances. The improper disposal of pigments, inks, paper waste, and solvents can contaminate soil and water with heavy metals.
- Exposure to pigments containing cadmium, cobalt, zinc, asbestos, toxic and flammable solvents, and possibly carcinogens can lead to skin irritation, intoxication, metal poisoning and chronic lung disease

MR13 – Taxi service / freight service / transportation

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... air pollution



- Smoke / exhaust gas is being produced and emitted with no use of proper filter

- Using filters prevents nearby residents from contact with contaminated gases
- Reducing air emissions prevents global warming (CO2 emission) and ozone depletion

- ① Reduce unnecessary driving
- ① Maintain engines and adjust them well
- ① Use clean fuel and filters

... infection with HIV / AIDS



- Intimate temporary relations are taking place with infected partner

- Employees spending longer periods away from the family have more frequently intimate relations with temporary partner
- Intimate relations with temporary partners increases the risk of becoming infected
- Unprotected sexual intercourse can lead to infection of HIV/AIDS

- ① Provide staff with proper information about the risks of getting infected by temporary intimate relationships and medical treatment

... personal injury



- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water
- Proper safeguard measures should be available

- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards (mask, goggles, gloves, helmet and proper working clothes)
- ① Have first aid kit available

Also think of...

...littering and disease and pest occurrence



... fire and explosion



... bad working environment



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- Don't install diesel generator sets without approval certificate
- Drivers should have license and be permitted to drive

Solutions, tips, further information

- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

MR14 – Waste and water management

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

...littering and disease and pest occurrence



- Waste is not disposed or disposed incorrectly
- Leakages, disposals, liquid waste or wastewater drains to stream/river/pond/soil

... water pollution



- Wastewater / liquids are being released / discharged to water (stream/pond/lake/open sewer)

... personal injury



- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Proper disposal of waste prevents attraction of pests, vermin, rodents or parasites and intoxication of soil and water

- Contaminated drinking water can harm people who depend on it
- Contaminated water harms nature (fish, livestock and other animals)

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water
- Proper safeguard measures should be available

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Re-use organic waste as fertilizer or animal fodder
- ① Dispose waste via community services instead of burning
- ① Have dustbins available; waste lying around attracts even more waste
- ① Sell waste/scrap to recycling companies
- ① Stop leakages and draining liquid waste
- ① Prevent unnecessary water discharges
- ① Use filters
- ① Discharge wastewater in controlled sewer system
- ① Discharge toxic waste via community service

- ① Position machines on a safe spot and cover dangerous moving parts
- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards (mask, goggles, gloves, helmet and proper working clothes)
- ① Establish contingency plans for accidents
- ① Have first aid kit available
- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders at places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

Also think of...

... air pollution



... intoxication



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals
- Client should have proper trade licenses

Solutions, tips, further information

- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR1 – Agricultural organic crop production

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... **deforestation**



- Forest is managed unsustainable (illegal and/or without reforestation plan)

- Deforestation, if not performed carefully and in a sustainable way causes land erosion and degradation, and in rainy periods increased water runoff and mud floods

- ① Agree only on permitted and sustainable forms of pristine land use
- ① Apply reforestation: plant new trees

... **personal injury**



- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water
- Proper safeguard measures should be available

- ① Position machines on a safe spot and cover dangerous moving parts
- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards (mask, goggles, gloves, helmet and proper working clothes)
- ① Establish contingency plans for accidents
- ① Have first aid kit available

Also think of...

soil depletion



... water pollution



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Farmers should use pesticides that are permitted.
- Farmers should consider to carry out integrated pest management (biological – physical – chemical)
- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR3 – Café / restaurant

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

...littering and disease and pest occurrence



- Waste is not disposed or disposed incorrectly
- Leakages, disposals, liquid waste or wastewater drains to stream/river/pond/soil

- Proper disposal of waste prevents attraction of pests, vermin, rodents or parasites and intoxication of soil and water

- ① Re-use organic waste as fertilizer or animal fodder
- ① Dispose waste via community services instead of burning
- ① Have dustbins available; waste lying around attracts even more waste
- ① Sell waste/scrap to recycling companies
- ① Stop leakages and draining liquid waste

... occurrence of harmful bacteria or diseases



- Perishable ingredients (especially meat, poultry and fish) are not kept fresh and cool
- Basic hygienic practices are not enforced (washing hands, clean tools, clean water)

- A clean workspace prevents diseases and germs to occur
- Clean, uncontaminated food is healthy and prevents serious illness and thus protects your clients (= business)

- ① Keep the working area clean
- ① Wash hands and tools at all times
- ① Use clean water only

... harmful child labour



- Children are being employed
- Children are working during school hours
- Children are negatively affected by the work either physical, mentally, spiritual, morally or socially

- Children should receive education, proper nutrition and health care. They should be protected from abuse and discrimination, able to play and enjoy their childhood

- ① Have children help with light duties only
- ① Only have children helping outside school hours and pupils must have time and designated place to do homework
- ① Not have children operating hazardous machines or working with hazardous materials or substances

Also think of...

... bad working environment



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR5 – Food processing

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... occurrence of harmful bacteria or diseases



- Perishable ingredients (especially meat, poultry and fish) are not kept fresh and cool
- Basic hygienic practices are not enforced (washing hands, clean tools, clean water)

- A clean workspace prevents diseases and germs to occur
- Clean, uncontaminated food is healthy and prevents serious illness and thus protects your clients (= business)

- ① Keep the working area clean
- ① Wash hands and tools at all times
- ① Use clean water only

... personal injury



- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water and food products
- Proper safeguard measures should be available

- ① Position machines on a safe spot and cover dangerous moving parts
- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards (mask, goggles, gloves, helmet and proper working clothes)
- ① Establish contingency plans for accidents
- ① Have first aid kit available
- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

... harmful child labour



- Children are being employed
- Children are working during school hours
- Children are negatively affected by the work either physical, mentally, spiritual, morally or socially

- Children should receive education, proper nutrition and health care. They should be protected from abuse and discrimination, able to play and enjoy their childhood

- ① Have children help with light duties only
- ① Only have children helping outside school hours and pupils must have time and designated place to do homework
- ① Not have children operating hazardous machines or working with hazardous materials or substances

Also think of...

... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- Food processing activities can discharge significant amounts of untreated wastewater and offal into rivers and streams. This leads to degraded water quality with negative consequences for aquatic life and downstream communities. Also, when the wastewater is trapped in stagnant pools, it can be highly odorous and serves as a breeding area for mosquitoes
- Working with sharp blades, grinders, bones can lead to repetitive injuries, skin irritation, and bacterial diseases

LR6 – Grain milling

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... fire and explosion



- No safeguards are available and/or used when necessary
- Equipment is stored in an unsafe way considering fire risk
- Electricity wires are loose or damaged

- Equipment that can cause fire should be handled and stored with care to decrease fire risk
- Malfunctioning Electricity is dangerous and can fall down

- ① Create a separate storage locked away from children and located away from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available

... personal injury



- Machines look unsafe, are ill maintained or have dangerous parts
- No safeguards are available and/or used when necessary (mask, goggles, gloves, helmet, proper working clothes)
- No safety precautions seem available

- Well maintained machines are safe and cheaper in use
- Operating a machine with proper safeguards prevents accidents
- Machines can leak oil/lubricants, which might spoil drinking water
- Proper safeguard measures should be available

- ① Position machines on a safe spot and cover dangerous moving parts
- ① Take up and strictly follow maintenance routine and lubrication practices for moving parts of equipment
- ① Keep machines clean and in good shape
- ① Employ experienced operators only
- ① Provide and use safeguards (mask, goggles, gloves, helmet and proper working clothes)
- ① Establish contingency plans for accidents
- ① Have first aid kit available
- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Sufficient light, acceptable noise level and good ventilation is important for the health

Also think of...

... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR7 – Hair dresser / cosmetic studio

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

... bad working environment



- Not sufficient light is in place
- The noise level is too high and no ear defenders are available
- The ventilation is bad or non-existent

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- Sufficient light, acceptable noise level and good ventilation is important for the health

- ① Not over-use chemicals
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste
- ① Install lamps where the daylight is insufficient
- ① Provide ear defenders in working places with high noise level
- ① Install ventilation system in places where the natural ventilation is insufficient

Also think of...

...littering and disease and pest occurrence



... water pollution



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR8 – Health services

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

...littering and disease and pest occurrence



- Waste is not disposed or disposed incorrectly
- Leakages, disposals, liquid waste or wastewater drains to stream/river/pond/soil

... infection with HIV / AIDS



- Infected patients are medically treated without pre-cautions

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Proper disposal of waste prevents attraction of pests, vermin, rodents or parasites and intoxication of soil and water

- Patients seeking medical help might be infected by HIV/AIDS
- Unprotected sexual intercourse can lead to infection of HIV/AIDS

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Re-use organic waste as fertilizer or animal fodder
- ① Dispose waste via community services instead of burning
- ① Have dustbins available; waste lying around attracts even more waste
- ① Sell waste/scrap to recycling companies
- ① Stop leakages and draining liquid waste
- ① Provide staff with proper information about the risks of getting infected during medical treatment
- ① Check all patients for HIV/AIDS before operation or treatment providing risk for contact with patient's blood
- ① Require staff to use pre-cautionary measures during examinations and medical treatment
- ① Not over-use chemicals
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste and compulsory cleaning of staff before leaving the working place (washing hands, separate clothes and shoes)

Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR9 – Import / export wholesalers

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

Also think of...

...littering and disease and pest occurrence



... bad working environment



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR10 – Market premises management

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

...littering and disease and pest occurrence



- Waste is not disposed or disposed incorrectly
- Leakages, disposals, liquid waste or wastewater drains to stream/river/pond/soil

- Proper disposal of waste prevents attraction of pests, vermin, rodents or parasites and intoxication of soil and water

- ① Re-use organic waste as fertilizer or animal fodder
- ① Dispose waste via community services instead of burning
- ① Have dustbins available; waste lying around attracts even more waste
- ① Sell waste/scrap to recycling companies
- ① Stop leakages and draining liquid waste

Also think of...

... water pollution



... fire and explosion



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR11 – Market stand

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

...littering and disease and pest occurrence



- Waste is not disposed or disposed incorrectly
- Leakages, disposals, liquid waste or wastewater drains to stream/river/pond/soil

- Proper disposal of waste prevents attraction of pests, vermin, rodents or parasites and intoxication of soil and water

- ① Re-use organic waste as fertilizer or animal fodder
- ① Dispose waste via community services instead of burning
- ① Have dustbins available; waste lying around attracts even more waste
- ① Sell waste/scrap to recycling companies
- ① Stop leakages and draining liquid waste

... occurrence of harmful bacteria or diseases



- Perishable ingredients (especially meat, poultry and fish) are not kept fresh and cool
- Basic hygienic practices are not enforced (washing hands, clean tools, clean water)

- A clean workspace prevents diseases and germs to occur
- Clean, uncontaminated food is healthy and prevents serious illness and thus protects your clients (= business)

- ① Keep the working area clean
- ① Wash hands and tools at all times
- ① Use clean water only

... harmful child labour



- Children are being employed
- Children are working during school hours
- Children are negatively affected by the work either physical, mentally, spiritual, morally or socially

- Children should receive education, proper nutrition and health care. They should be protected from abuse and discrimination, able to play and enjoy their childhood

- ① Have children help with light duties only
- ① Only have children helping outside school hours and pupils must have time and designated place to do homework
- ① Not have children operating hazardous machines or working with hazardous materials or substances

Also think of...

... fire and explosion



... intoxication



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR13 – Photocopy shop

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... intoxication



- No safeguards are available and/or used when necessary (mask, goggles, gloves, overall)
- No relevant Chemical Fact Sheets are available
- Storage is unsafe, unlocked or located near sleeping/ eating place

- Applying/handling toxic substances with proper safeguards prevents illness
- Safe storage prevents chemical reactions, explosion, fire, leakage and intoxication

- ① Not over-use chemicals
- ① Provide and use safeguards when working with chemicals (mask, goggles, gloves, overall)
- ① Create a separate storage locked away from children and located separately from living/eating place
- ① Establish contingency plans for accidents
- ① Have fire fighting equipment and first aid kit available
- ① Safe disposal of waste

Also think of...

...littering and disease and pest occurrence



... bad working environment



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service
- Painting and printing involve a number of toxic substances. The improper disposal of pigments, inks, paper waste, and solvents can contaminate soil and water with heavy metals.
- Exposure to pigments containing cadmium, cobalt, zinc, asbestos, toxic and flammable solvents, and possibly carcinogens can lead to skin irritation, intoxication, metal poisoning and chronic lung disease

LR14 – Real estate

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

Also think of...

... deforestation



... soil depletion



... fire and explosion



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR15 – Retail kiosk / shop / retail trade premises

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

...littering and disease and pest occurrence



- Waste is not disposed or disposed incorrectly
- Leakages, disposals, liquid waste or wastewater drains to stream/river/pond/soil

- Proper disposal of waste prevents attraction of pests, vermin, rodents or parasites and intoxication of soil and water

- ① Re-use organic waste as fertilizer or animal fodder
- ① Dispose waste via community services instead of burning
- ① Have dustbins available; waste lying around attracts even more waste
- ① Sell waste/scrap to recycling companies
- ① Stop leakages and draining liquid waste

Also think of...

... fire and explosion



... bad working environment



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals

Solutions, tips, further information

- Fix leaks promptly Dripping joints can waste over 76 liters of water a day
- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR16 – Sport and entertainment facilities / travel agency

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... occurrence of harmful bacteria or diseases



- Perishable ingredients (especially meat, poultry and fish) are not kept fresh and cool
- Basic hygienic practices are not enforced (washing hands, clean tools, clean water)

- A clean workspace prevents diseases and germs to occur
- Clean, uncontaminated food is healthy and prevents serious illness and thus protects your clients (= business)

- ① Keep the working area clean
- ① Wash hands and tools at all times
- ① Use clean water only

Also think of...

...littering and disease and pest occurrence



... water pollution



... infection with HIV / AIDS



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate

Solutions, tips, further information

- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR18 – Tourism

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

... occurrence of harmful bacteria or diseases



- Perishable ingredients (especially meat, poultry and fish) are not kept fresh and cool
- Basic hygienic practices are not enforced (washing hands, clean tools, clean water)

- A clean workspace prevents diseases and germs to occur
- Clean, uncontaminated food is healthy and prevents serious illness and thus protects your clients (= business)

- ① Keep the working area clean
- ① Wash hands and tools at all times
- ① Use clean water only

... harmful child labour



- Children are being employed
- Children are working during school hours
- Children are negatively affected by the work either physical, mentally, spiritual, morally or socially

- Children should receive education, proper nutrition and health care. They should be protected from abuse and discrimination, able to play and enjoy their childhood

- ① Have children help with light duties only
- ① Only have children helping outside school hours and pupils must have time and designated place to do homework
- ① Not have children operating hazardous machines or working with hazardous materials or substances

Also think of...

... infection with HIV / AIDS



... bad working environment



... unfair labour conditions



Background, relevant legislation, minimal requirements

- ILO Conventions 138 and 182
- Don't install diesel generator sets without approval certificate

Solutions, tips, further information

- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR19 – Other services

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

...littering and disease and pest occurrence



- Waste is not disposed or disposed incorrectly
- Leakages, disposals, liquid waste or wastewater drains to stream/river/pond/soil

- Proper disposal of waste prevents attraction of pests, vermin, rodents or parasites and intoxication of soil and water

- ① Re-use organic waste as fertilizer or animal fodder
- ① Dispose waste via community services instead of burning
- ① Have dustbins available; waste lying around attracts even more waste
- ① Sell waste/scrap to recycling companies
- ① Stop leakages and draining liquid waste

Also think of...

... bad working environment



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals
- Client should have proper trade licenses

Solutions, tips, further information

- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service

LR20 – Other trade

SIGNAL

The main risks are ...

ANALYSE

There is a problem if ...

DISCUSS

Acknowledge that ...

SUGGEST

Suggest the client to ...

Also think of...

...littering and disease and pest
occurrence



... intoxication



... bad working environment



... harmful child labour



... unfair labour conditions



Background, relevant legislation, minimal requirements

- Don't install diesel generator sets without approval certificate
- Have MSDS available when working with chemicals
- Client should have proper trade licenses

Solutions, tips, further information

- In case there is no waste disposal facility: Contact (alone or in collaboration with other entrepreneurs) local council and ask for improved public service