



MESSAGES FROM THE INVIRONMENTAL

OF THE GUYANA GEOLOGY AND MINES COMMISSION (GGMC)

RESTORED MINE SITE ST. ELIZABETH, MAHDIA

Miners!

Compliance with Environmental and Occupational Safety and Health Regulations, Guidelines and Codes of Practices are important to ensure safe, environmentally-friendly and successful mining operations.

The objective of the Environmental and Occupational Safety and Health Best Practices, is to prevent or minimize risks to human health as well as adverse environmental social and economic impacts.

All field officers can assist you.

BENEFITS OF COMPLYING WITH THE ENVIRONMENTAL & OCCUPATIONAL SAFETY AND HEALTH REGULATIONS

MO DOWN TIME

Reduced operational down-time resulting from cease work orders and penalties.

REDUCED OPERATING COST
Reduced costs resulting from fines and penalties.

HEALTHY WORK GROUNDS & ENVIRONMENT

Reduced levels of pollution and occurrences of vector borne diseases e.g. Malaria, Dengue fever.

SAFE WORK GROUNDS
Reduced incidents of accidents and fatalities.



This checklist consists of 7 sections.
You are required to answer each
section by...Marking (X)
and adding all the 'Yes' points gives
your compliance score;
Marking (X) and adding all the 'No'
points gives your breach scores."

Part 1: Dredge & Dredge Owner

	Part 1. Dreage a Dreage Owner		
	Particulars	Yes =1	No=
1.	mining?		
	certification in mining?		
2.	*Is the dredge licensed for this year?		
	area?		
	that is being worked?		
	Holder to operate on Claim or Permit?		
6.	* Is the operator in possession of a permission to operate from the GGMC?		
9.	Has the operation notified the Commission of previous or future intent to move any dredge or specified machinery from one Claim or Permit area to another?		
	 2. 3. 4. 5. 6. 7. 8. 	Particulars 1. Does the GM/Dredge Owner have any training or certification in mining? Does the current manager of your operation have training or certification in mining? 2. *Is the dredge licensed for this year? 3. Is the Environmental Bond or Fee lodged for the Mining Permit area? 4. Has the Reclamation Fee been lodged by the operator for the Claim that is being worked? 5. *Does the operation have written permission from Claim/Permit Holder to operate on Claim or Permit? 6. * Is the operator in possession of a permission to operate from the GGMC? 7. *Is the production book available? 8. *Is the operation notified the Commission of previous or future intent to move any dredge or specified machinery from one Claim	Particulars 1. Does the GM/Dredge Owner have any training or certification in mining? Does the current manager of your operation have training or certification in mining? 2. *Is the dredge licensed for this year? 3. Is the Environmental Bond or Fee lodged for the Mining Permit area? 4. Has the Reclamation Fee been lodged by the operator for the Claim that is being worked? 5. *Does the operation have written permission from Claim/Permit Holder to operate on Claim or Permit? 6. * Is the operator in possession of a permission to operate from the GGMC? 7. *Is the production book available? 8. *Is the production book up to date upon time of inspection? 9. Has the operation notified the Commission of previous or future intent to move any dredge or specified machinery from one Claim

Total score (Breaches vs Compliance)

*Denotes breaches with corresponding penalties in keeping with the Mining Act and Regulations

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GUIDANCE CHECKLIST

Part 6: Occupational Safety and Health at Mining Site/Camp Ground

	Particulars	Yes=1	No=0
	*Does the operation have safe pit wall slope angle?		
2.	*Does the operation have adequate entry and exit out of pit?		
	Is benching practiced?		
4.	*Does the operation require benching based on soil type and depth of pit?		
5.	*Is overburden stored a safe distance away from pit faces?		
6.	Does the operation have an emergency response plan in case of an accident?		
7.	Does the mine operator conduct safety inspections before and during mining operations?		
8.	*Are workers mining at a distance of 1.5 times the height of the pit wall?		
	Total score (Breaches vs Compliance)		

*Denotes breaches with corresponding penalties in keeping with the Mining Act and Regulations

Part 7: Reclamation

	Particulars	Yes=1	No=0
1.	Does the operation practice progressive backfilling of abandoned pits?		
2.	Is the operation refilling excavation to the satisfaction of GGMC, not later than six months after the need for the excavation ceased?		
3.	Has the operation lodged an application to GGMC for determination that refilling of excavation is physically impossible or unjustified?		
4.	Does the operation have written permission from GGMC to put excavation to an approved alternative beneficial use?		
5.	Was any consultation done with the relevant authorities on the type of plants and animals on the claim/permit prior to mining?		
6.	Were any steps to preserve important species of plants and animals?		
7.	Is any soil profile test done to determine the amount of topsoil to be set aside for refilling and re-vegetation?		
8.	Is overburden and or topsoil stored to be reapplied after mining?		
9.	Is the operation covered by reclamation fee or bond?		
	Total score (Breaches vs Compliance)		

Pg.4 GUIDANCE CHECKLIST



Rate Your Compliance

Number of breaches/Score by Operator/Operation=

There are 28 breaches from Part 1-7. To get the "Number of breaches/Score by Operator/Operation" add all the breaches/scores recorded (indicated by *) from Part 1-7, then subtract this total from 28.

Please rate your compliance to breachable offences by ticking the range for your score below. E.g. If the total is 16, then this falls into the "Good" category as shown in table below, which means that the operator has "Good compliance with the Mining and Environmental Regulations stated in this checklist" and is given a grade "C".

Miners with Scores in the D and-F categories should seek immediate assistance from the GGMC

(Please tick based on your score)

Excellent (28-26) A	Very Good (25- 20) B	Good (19-15) C	Fair (14-10) D	Poor (9-1) F

Overall compliance by Operator/Operation =

The total number of Compliance (yes) scores from Part 1-7 is 63. Add all of your yes scores from Part 1-7, then subtract this total from 63. The resulting score is your Overall Compliance. Please rate your Overall Compliance in the table below.

(Please tick based on your score)

Excellent (46-63) A	Very Good (31- 45) B	Good (16-30) C	Poor (1-15) D

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RATE YOUR COMPLIANCE

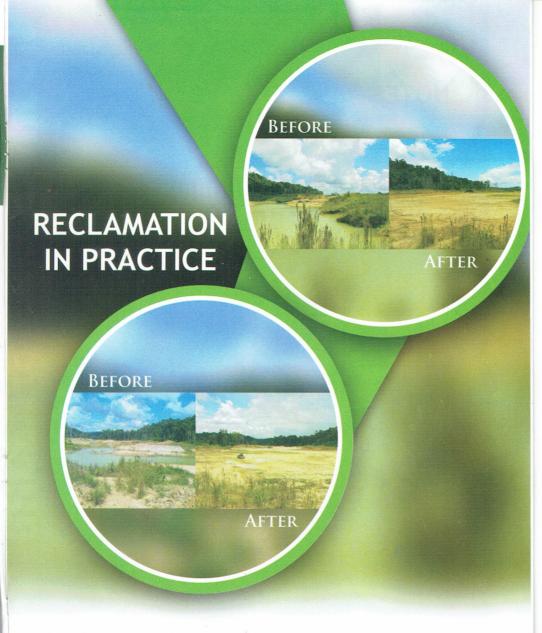


Do you know them?

- Contingency and Emergency Plans To prevent loss of life or damage to health and social well-being, avoid property damage, and ensure environmental safety in a local community.
- Mercury To promote sound mercury management practices to minimize impacts on workers, communities and the environment.
- Mine Effluents To prevent and minimize environmental damage (terrestrial, aquatic) and unacceptable impacts associated with the release of effluents from mining operations and processes.
- Mine Reclamation and Closure to prevent and minimize adverse long-term environmental impacts generated by small- and medium-scale mines in Guyana and to create a stable landform suitable for some agreed subsequent land use.
- √ Tailings Management To promote sound tailings management practices in order to minimize impacts on communities and the environment.
- ✓ Waste Management To foster sustainable waste management and disposal practices to prevent and minimize adverse environmental, physical, social and economic impacts and to create a stable landform suitable for post mining land use.
- ✓ Use of Small Dams Water and Tailings Management To ensure the stability and effective use of small/tailings dams, to control flows through the dams, and to prevent uncontrolled discharge of tailings and other effluents.
- \checkmark Quarrying To promote sound and sustainable quarrying practices to minimize the impacts on communities and the environment.
- Sand and Loam Mining To promote sound sand and loam mining practices to minimize the impacts on communities and the environment.
- Environmental Effects Monitoring Programme To provide the framework for the generation and evaluation of data to support the assessment of the environmental effects associated with large- and medium-scale mines in Guyana.

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CODES OF PRACTICE



Area: Olive Creek

Project size: 14.7 Hectares or 36.3 Acres (Actual area of intervention: 8.78 Hectares)

Activities: Backfilling, Contouring, Levelling, Natural Rregeneration,

Monitoring and Data Collection.

Pg.7 RECLAMATION IN PRACTICE

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ENVIRONMENTAL DIVISION

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