



Meuangvang Development Co.LTD
Standard Working Procedure 045
Operation of a Dump Truck

1. Application

To provide a standard work procedure for Operation of a Dump Trucks and the identification of risks associated with the operation of dump trucks and the implementation of safe work methods to manage these risks, as required in accordance with Meuangvang Development Co Ltd Safety Management Program

2. Revision Schedule

Rev #	Old Section Ref	New Section Ref	Description of Changes
0			New document created June 2008

3. Table of Contents

1	Application	8	Definitions
2	Revision Schedule	9	Purpose & Expected outcomes
3	Table Of Contents	10	Task
4	Personal Protective Equipment	11	Written Assessment
5	Accountability	12	Improvement Suggestion
6	Training Requirements	13	Approval
7	Document Storage	14	



Meuangvang Development Co.LTD
Standard Working Procedure 045
Operation of a Dump Truck

4. Personal Protective Equipment (PPE) / Special Equipment

- Hard hat
- Eye protection
- Safety footwear
- Hearing protection
- High visibility clothing

5. Accountability

- Supervisors are to ensure all personnel who intend to operate a dump truck shall be competent and authorised to do so.

6. Training Requirements

- All drivers are to be assessed using an MVDC approved competency theory & practical test yearly
- Trainee drivers can drive solo once they have a 100% pass mark in the theory, and the trainer has been passed the competent to drive under minimal supervision:
 1. After driving knowledgeably with the trainer or other experienced driver for 80 hours
 2. While under minimal supervision trainee drivers are to work dayshift only.

7. Document Storage

The electronic master version of this document, together with the associated Forms and Templates, is stored on the Safety Managers computer.

Safety Manager/ officer are responsible of maintaining the document.

8. Definitions'



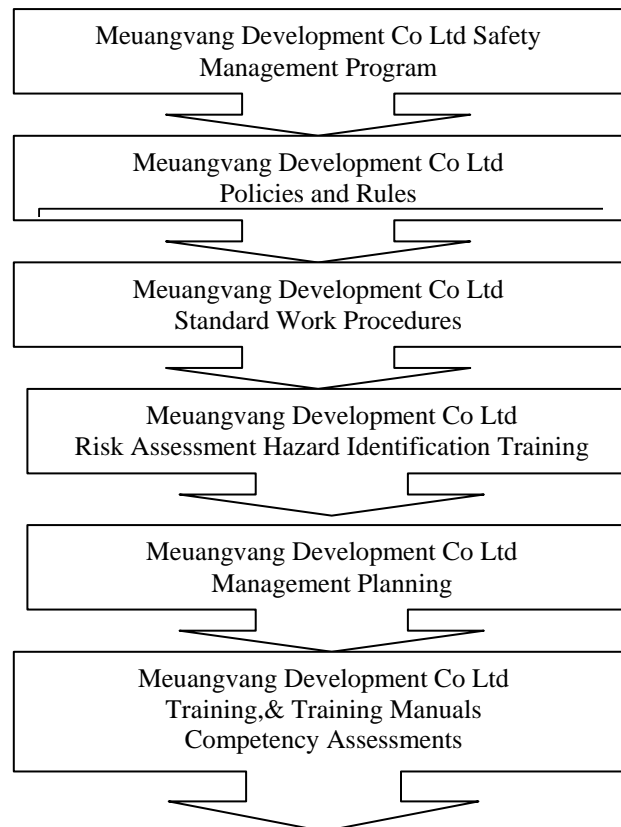
Meuangvang Development Co.LTD Standard Working Procedure 045 Operation of a Dump Truck

9. Purpose and Expected Outcomes and Flowchart

To provide a standard process for the creation, review, authorisation and issue of documents which require control, specifically those operational documents shown in the document structure below.

To ensure a common format of documentation is followed, to eliminate duplication and to ensure accurate and current information is readily available to all employees.

PROCESS FLOWCHART .





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Standard Working Procedure 045
Operation of a Dump Truck

10. Tasks

Task Steps	Hazards	Additional Information and Controls
<i>Detail of each step in the task, presented in a logical sequence.</i>	<i>Identification of any hazards involved with the task step.</i>	<i>Any other relevant detail or information that will assist with the performing of the task and any requirements for risk mitigation.</i>
Requirements General	Inter-action with other vehicles Injury Property Damage	<ul style="list-style-type: none"> • Conduct the pre start and shut down checks as per the training procedure. • When climbing or descending the ladder to a dump truck, ensure three points of contact, one hand and two feet or two hands and one foot, are maintained at all times. • Always face the machine and only use the ladders, steps and handrails provided. • Always wear seat belts and ensure everyone in the truck is wearing a seat belt • Always inspect and check all braking systems before using the truck • Operators shall DRIVE TO THE CONDITIONS at all times. • Operators MUST constantly be aware of: <ul style="list-style-type: none"> • Their surroundings • The loading unit – excavator, loader • Spotters / pit pedestrians eg level takers • Other vehicular movements and traffic patterns • Monitor truck gauges and warning systems • Traffic movements: 100m in front / behind and to either side of your truck • Contact the Shift Supervisor if this machine becomes bogged during operations, • do not attempt to tow or push the machine from the bog prior to contacting the Supervisor.



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Standard Working Procedure 045
Operation of a Dump Truck

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<i>Detail of each step in the task, presented in a logical sequence.</i>	<i>Identification of any hazards involved with the task step.</i>	<i>Any other relevant detail or information that will assist with the performing of the task and any requirements for risk mitigation.</i>
Loading	Inter-action with other vehicles Injury Property Damage	<ul style="list-style-type: none"> • Remain within the cab (except in an extreme emergency) at all times during loading with doors and windows shut • Always wear seatbelts when being loaded, and sit straight, do-not twist back • Use wide turning circles to minimise tyre damage • Avoid rocks and spillage - report to Supervision • Engage neutral and apply the park brake while waiting • Confirm material type with excavator operator and display ore cards/ lights
Open Areas		<ul style="list-style-type: none"> • Where possible maintain a clockwise direction of movement in open areas • Avoid spillage / rough areas / hazards
Dumps		<ul style="list-style-type: none"> • Visual inspection of dumping area/tip head on approach • Work in a clockwise direction when possible • Dump short if tip head/dump not to standard – inform Supervisor • Reverse and dump square to the tip head dump when truck is on level ground only' • Maintain a minimum distance of 10m when separate trucks are dumping along side of each other • Lower tray completely before moving off
Correct driving techniques – gear selection Descending Ramps		<ul style="list-style-type: none"> • You will always select the appropriate low gear when travelling downhill and uphill. • Generally speaking if you have to use 3rd gear to go up a hill then you should use 3rd gear to come down a hill, if the truck is Loaded then you would change to a lower gear ie 2nd to control the speed. • If the gear selected when coming downhill is too high and speed cannot be controlled, use brakes to slow to a crawl and control speed before shifting down a gear • Always use Exhaust Brakes (when fitted) to control speed



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Standard Working Procedure 045
Operation of a Dump Truck


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Correct driving techniques Descending Ramps with Loaded Truck	Inter-action with other vehicles Injury Property Damage	<ul style="list-style-type: none"> • You will always select the appropriate low gear when travelling downhill loaded 1st gear • If the gear selected when coming downhill is too high and speed cannot be controlled, use brakes to slow to a crawl and control speed before shifting down a gear • Always use Exhaust Brakes (when fitted) to control speed • Do not overuse service brakes – will lead to brake overheating
Correct driving techniques Park up		<ul style="list-style-type: none"> • When parking, always apply the park brake and leave the transmission in gear. • Never park the Truck on a ramp unless the machine is broken down • If broken down then you must turn the front or rear of the truck towards any available windrow, slope or bank to prevent runaway. Use the opposite gear to the angle of the ramp grade to help lock the transmission



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Loss of Control:		This will occur when a truck is travelling up or down a hill, or parked on a hill and loses the ability to control its speed.
Excessive Speed is caused by		<ul style="list-style-type: none"> • Engine stalling because too low a gear has been selected when travelling uphill • Service braking system malfunction • Retarding/Exhaust Brake system malfunction • Excessive use of service brakes, leading to overheating and loss of brakes • Attempting to change down a gear while travelling up or downhill, leading to being unable to reselect a gear • Too high a gear selected when travelling down a hill • Driveline failure • Failure or malfunction of park brake system • Improper parking methods • Overwatering of ramps • Inexperienced truck operators
Never use		<ul style="list-style-type: none"> • ANGLE GEAR, have the truck out of gear, coasting down the road or ramp. • You will always select the appropriate low gear when travelling downhill and uphill. • EVER operate anything with substandard braking systems

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angle gear/ highway to hell:		<p>If you are unable to control/reduce the speed of the truck and it continues to runaway then:</p> <ul style="list-style-type: none"> • DO NOT try to change down a gear • Continue to apply the brakes/hand brake/park brake • Turn the wheels of the truck into a safety berm/windrow to reduce speed, straddle the windrow if possible (Windrow is positioned parallel between the front and rear wheels.)
If the machine or truck rolls over		<ul style="list-style-type: none"> • brace with feet and arms and remain in the cab • Once machine or truck has stopped, ensure park brake if the are wheels remaining on the ground and turn off the ignition • Exit the cab and call for assistance.



Meuangvang Development Co.LTD
Standard Working Procedure 045
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11. Written Assessment

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

I have read and understood this procedure and have had any questions in regard to this procedure thoroughly explained.

Name: _____

Signature: _____ Date: _____

Training Coordinator: _____

Signature: _____ Date: _____



Meuangvang Development Co.LTD
Standard Working Procedure 045
Operation of a Dump Truck

12. Improvement Suggestion

	Possible Cause	Corrective Action	Additional Information

13. Approval

Revision 01 ຈຳນວນຜູ້ທົບທວນ	Approved by(position) ຮັບຮອງໂດຍ(ຕຳແໜ່ງ)		Signature of Approver ລາຍເຊັນຂອງຜູ້ຮັບຮອງ	Date ວັນທີ່
Prepared by ກະກຽມໂດຍ	P Brears	Safety Consultant		
Reviewed				
Approved				