

APPENDIX O JOURNEY MANAGEMENT PLAN



SHEMS Planning

Journey Management Plan Core Lithium Minesite to Darwin Ports

SHEMS-11-PL-NT0001

Version control

Version	Change from previous	Date	Comment
1.0	Issued as Draft	18/02/2019	Issued for Draft for Review by Stakeholders.
2.0	School zone speed	11/03/2019	Changed from 50kph to 40kph
	School zone time restriction	11/03/2019	Changed no haulage from 0800-0900 to 0745-0845.

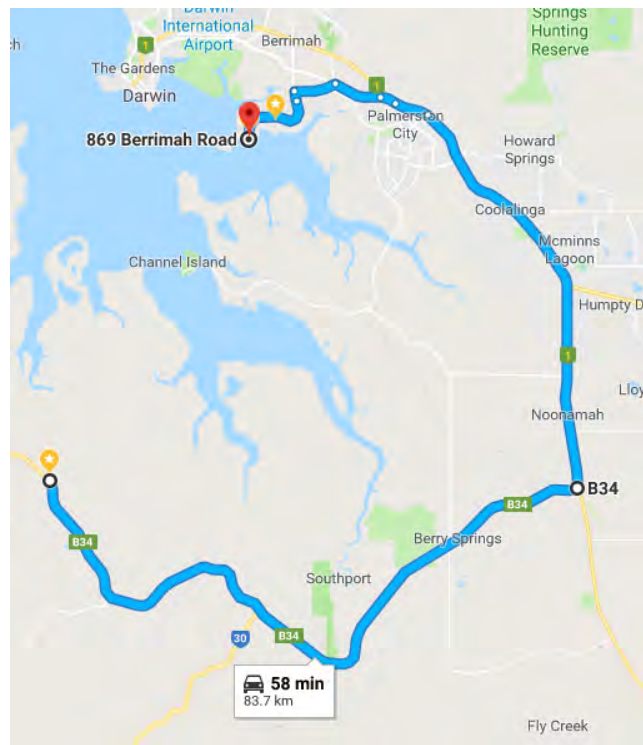
Journey Management Plan for Core Lithium Minesite to Darwin Ports

Customer Name	Core Lithium
Delivery Address	Darwin Ports - Berrimah Road
Pickup Location	Core Lithium Minesite – Cox Peninsula Road

Directions

The preferred route for the journey from Core Lithium Minesite to Darwin Ports is:

- Below is the preferred route from Core Lithium Minesite to Darwin Ports
- This JMP applies to journeys on both directions (Minesite to Port, Port to Minesite).



- Complete all pre-start requirements and paperwork
- Commence loading at the Core Lithium minesite as per loading/unloading SWI
- Depart Minesite

[insert photo of Loader when procured]

- Depart Core Lithium Minesite
- Turn Right onto Cox Peninsula Road

CAUTION: Proceed with caution and look out for tourists, caravans and all other vehicles in this area.

NOTE: Trucks will be monitored through the route and bad driver behaviour will not be tolerated.

- Continue along Cox Peninsula Road

NOTE: The highway speed limit at this point is 100 km/h, however trucks will be speed limited to 90 km/h.



- Proceed past the Fog Bay Road turn off.

NOTE: 80 km/h speed limit applies through the Fog Bay Road Turnoff

CAUTION: Proceed with caution and look out for tourists, caravans and all other vehicles in this area.



- Proceed past the Litchfield National Park Turn off

NOTE: 80 km/h speed limit applies through the Litchfield National Park Turnoff

CAUTION: Proceed with caution and look out for tourists, caravans and all other vehicles in this area.



- Proceed past the Tumbling Waters Holiday Park Holiday Park Turn off and Tumbling Bay Area

NOTE: 80 km/h speed limit applies through the Tumbling Bay Area Turnoff

CAUTION: Proceed with caution and look out for tourists, caravans and all other vehicles in this area.



NOTE: Extreme caution to be taken through the Berry Spings township and School Precinct.

All Qube trucks are fitted with In-vehicle management systems (IVMS) that track speed, fatigue and driver behaviour in real time.

All school precincts will be geofenced in the IVMS system to a restricted speed and bad driver behaviour will not be tolerated.

All Trucks are to avoid the peak drop off/pick up times of the school to minimise interactions with school children in the school precinct.

Drop off time: (0745 - 0845) Pick Up Time: (1430 - 1530)

- Approach the township of Berry Springs

NOTE: 80 km/h speed limit applies through the Berry Springs Township *(not including the Berry Springs School Precinct)*



- Proceed to the Berry Springs School precinct.
- White markings on the road will indicate the approach to the school precinct.

NOTE: 60 km/h speed limit applies through the Berry Springs School Precinct during school hours 7am – 5pm. **However, Qube trucks will be speed limited to 40 km/h in this area.**

CAUTION: Proceed with caution and look out for school children and other vehicles turning in and out of the school area.

NOTE: Trucks will be monitored through geo-fencing in the IVMS system in the Berry Springs school precinct and bad driving behaviour will not be tolerated.



- Proceed past the Berry Springs Township and turn offs.

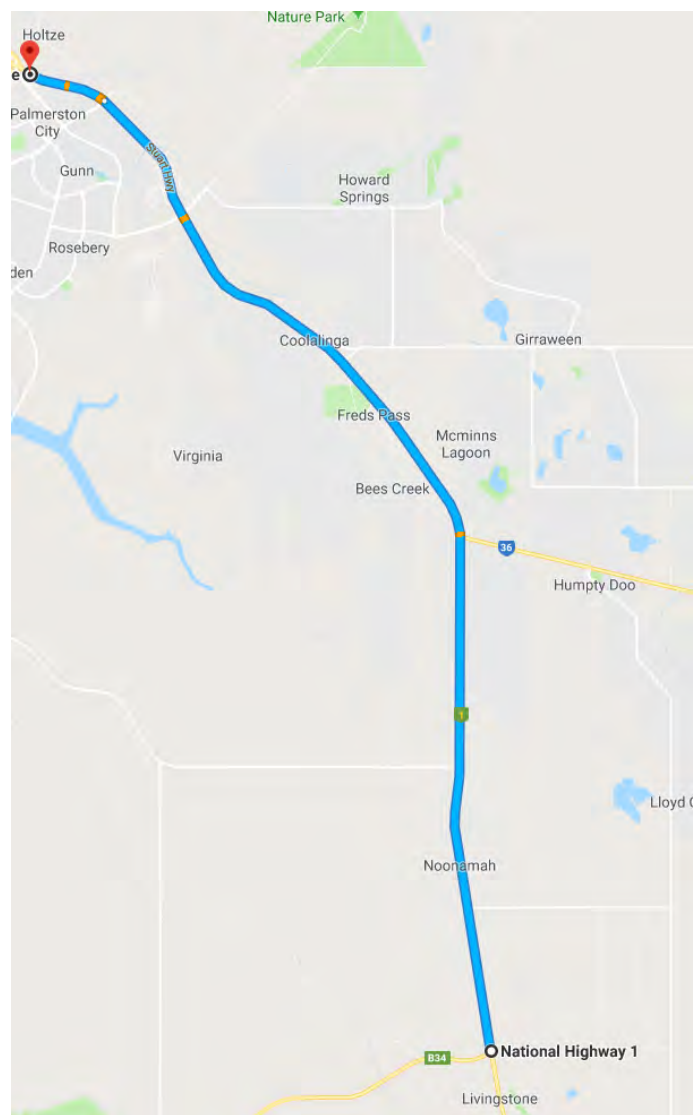
NOTE: 80 km/h speed limit applies through the Berry Springs Township.



- Continue along Cox Peninsula Road until the Stuart Highway Turnoff.
- Merge into the turn slip lane and turn Left towards Darwin.



- Follow Stuart Highway towards Tiger Brennan Turn off.
- NOTE:** Obey all Stuart Highway signed speeds and drive to conditions.



- Take the exit to Tiger Brennan Drive, (Stuart Highway Turns into Tiger Brennan Drive – merge towards the right)
- Keep left where possible on dual freeways.

NOTE: 80 km/h speed limit applies.



- Turn left into Wishart Road

NOTE: 80 km/h speed limit applies.



- Turn left into Berrimah Road and continue to the Ports entrance.

NOTE: 80 km/h speed limit applies.

- Once at the Darwin Ports area, swipe into the port.
- Follow all Darwin Ports rules and proceed to unloading area.
- Follow loading/unloading SWI.
- Return to minesite for further loads or continue to park up area for the last load the day.



Preferred Driving Plan

Start Location	Finish Location	Driving Time	Time Working	Time Resting
Core Lithium Minesite – Cox Peninsula Road	Stuart Highway Turn Off	45 mins 44 km	45 mins	Rest Breaks as per NT road rules.
Stuart Highway (Wagait Beach Turnoff)	Tiger Brennan Drive	25 mins 27.5 km	25 mins	
Tiger Brennan Drive/Wishart Rd, Berrimah Road	Darwin Ports	15 mins 12.2km	15 mins	

Specific Hazards

Stretch of Journey	Hazard Description
Core Lithium Mine Site Turn into Cox Peninsula Road	Limited view with corner near turn off
	Tourist and local traffic – remain alert and only turn out when clear
Litchfield National Park Turnoff	Tourist and local traffic
	Area prone to road closures – listen to ABC in emergency and follow advise of road closures/ emergency responders.
Berry Springs Township and School Area	School children in the area – bus pick up area, parents drop off area.
	High traffic area during school drop off and pick up.

General Hazards**Hazards of the area**

- Rail crossings are a hazard you need to be aware of, reduce speed and be prepared to stop. Ensure no trains are in your vision in both directions. If the vehicle you drive has a powered left hand window wind it down slightly to hear any warning from a train
- Take care at all intersections, vehicle interaction on all the main road junctions
- Wild life on road way, cattle, eagles, and birds
- Large contingent of triples and quad trucks are on this section of road this mixed with LV and public traffic make this section an area that needs constant attention by the operator.
- Oversize Loads.
- **This route goes through several townships, please ensure extreme caution through local areas.**

Note:

Road Train Operating Speed is 90 km/h if conditions permit

Maintain 500m following distance behind any other Road Train

Specific Instructions**Rest Stops**

- A driver must ensure their own safety and that of other road users by taking a break from the driving task if feeling symptoms of fatigue.
- Rest breaks should be scheduled to be taken at approved rest stops, However, should it be necessary to stop at a place not indicated on the map then the following points should be considered when choosing a place to stop:
 - Weather conditions and ground stability, do not move off the road unless into approved parking bays. Quad road trains can become bogged easily, even on dry ground.
 - Position of Road train in relation to the road. Make sure you can safely exit and move around the vehicle, and the vehicle is not obstructing or impeding normal traffic flow.
 - Road access for Entry and Exiting the parking area is flat and level, with good visibility in both directions.
 - Ice Pack secondary Air-conditioning system is available for use during stops and breakdown
 - All drivers are required to follow the Safe Work Method for Solo Driving as per the Driving Hours Legislation for the State or Territory.

Emergency Information

In the event of an emergency:

1. Notify Qube Management as soon as practicable (Include information from initial notification and person's name manning phone in your absence) – Mark George.
2. Collect all required details at scene
3. Contact Customer - Include information from initial notification and what response procedures have been put in place

Note

Do not make any statements

- Media and public enquiries are to be directed to Qube Manager

Emergency Contact Numbers

EMERGENCY			
000 OR 112 FROM A SATELLITE/MOBILE PHONE			
	Location	Phone No	Role
Police/Fire	NT Police 24 hour assistance line	131 444	Call 000 in an emergency. To assist with emergency response – a full listing of policy and fire stations can be found at: https://www.pfes.nt.gov.au/Contact-us.aspx
	Humpty Doo Police Station	8988 0200	
	Humpty Doo Fire Station	8988 0296	
	Berrimah (Peter McAulay Centre)	8922 3600	
Qube Management	Mark George	0419 237 643	Regional Manager
	TBC		Area Manager
	Mike Mulligan	0437 047 663	National HSE Manager
Core Lithium Contact	TBC		

Driver/Operator Sign Off: I have read and understood the above Journey Management Plan.

[illegible]