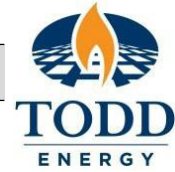


PTW Safety Checklist No. 10



REMOTELY PILOTED AIRCRAFT SYSTEMS (RPAS)

Other Checklists that may be relevant:		18 , 19 , 47 , 61 , 84
Permit Number:		Date:
Rev 2.0	Issue Date: 16/01/2023	Authorised By: PSM

CAUTION:

1. Confirm which civil aviation rule part this flight will comply with. One part must be selected:
 - a. CAA Rule Part 101 - unmanned aircraft
 Note: no certification required
 - b. CAA Rule Part 102 - unmanned aircraft operator certification
 Note: certification is required
2. The operator is familiar with [Todd Energy TE-1680-TECD721648 Remotely Piloted Aircraft Systems \(RPAS\) Guidelines](#). Note: permit issuer should consult this guideline to help understand the controls in this checklist.

PRIOR TO PERMIT ISSUE:

- | | Y | N | N/A |
|--|--------------------------|--------------------------|--------------------------|
| 3. The use of a RPAS has been assessed and there is no less hazardous alternative to its use. | <input type="checkbox"/> | | |
| 4. Confirm operator is experienced (trained/skilled) in the use of specific RPAS. | <input type="checkbox"/> | | |
| 5. Confirm understanding of any specific district council regulations regarding RPAS operation over public places (e.g., roads) if applicable. | <input type="checkbox"/> | | <input type="checkbox"/> |
| 6. Confirm consent has been obtained if flight is to be conducted over people or property not owned/occupied by Todd Energy. | <input type="checkbox"/> | | <input type="checkbox"/> |
| 7. Marked up map/image/drawing accompanies this permit showing intended flight path and applicable information e.g., neighbours' boundaries, hazards such as flares/powerlines or internal vessel obstructions etc. | <input type="checkbox"/> | | |
| 8. Plant/Field Supervisor/Superintendent authorises intended flight path
Name: _____ Signature: _____ Date: _____ | <input type="checkbox"/> | | |
| 9. Is a spotter/back-up RPAS operator required? Consider, particularly if working near people or plant (high-risk to people or plant). | <input type="checkbox"/> | <input type="checkbox"/> | |
| 10. Specify battery condition/lower limit whereby RPAS will be returned to land
* _____ (e.g., no less than 35% or equivalent). | <input type="checkbox"/> | | |
| 11. Specify minimum radio/control/comms signal whereby RPAS will be returned to land
* _____. Confirm actions in the event of a loss of link between the RPAS and the ground control station are identified in the JHA. | <input type="checkbox"/> | | |

The following 5 checks are only applicable to RPAS flights EXTERNAL to equipment e.g., conventional flights:

Y N N/A

- 12. Specify classification of airspace the flight will be conducted in * _____.
- 12. Confirm adherence to rules for operating in that airspace class are understood and will be met.
- 13. Specify maximum height for flight * _____ AGL.
- 14. Log flight in Air Share and record ID: * _____.
- 15. Specify max. allowable wind speed for operation of RPAS * _____.
- 16. Confirm weather forecast suitable for flight – max wind gust, sufficient cloud base and no rain/fog etc.

The following 5 checks are only applicable to RPAS flights INSIDE equipment e.g., tank/vessel internal inspection:

- 17. Confirm vessel gas freed if applicable.
- 18. Confirm internal condition adequate – dusty environment could risk reduced visibility.
- 19. List additional specific PPE required to be worn by personnel if environment contains hazardous substances that could be spread by RPAS use:
* _____
- 20. Confirm understanding of all internal obstructions to be avoided.
- 21. Confirm an approved and serviceable cage (or external frame system) surrounding the RPAS is fitted to aid in the prevention of injury and/or accident in the event of inadvertent contact with obstacles.

PRIOR TO COMMENCING TASK: (applicable to All TASKS)

- 22. Gas test if operating in hazardous area.
- 23. Pre-flight RPAS and controller – follow manufacturer’s instructions/best practice.
- 24. Pre-program flight path/boundary limits/geofence if applicable.