
Land & Vegetation Disturbance Document Number – ENV-PROC-39

This document applies to the following site(s):

		Non-operational Land		<input checked="" type="checkbox"/>	
Rockhampton Office	<input checked="" type="checkbox"/>	Brisbane Office	<input checked="" type="checkbox"/>	Tarong Site	<input checked="" type="checkbox"/>
Barron Gorge Hydro PS	<input checked="" type="checkbox"/>	Kareeya Hydro PS	<input checked="" type="checkbox"/>	Mica Creek PS	<input checked="" type="checkbox"/>
Koombooloomba Hydro PS	<input checked="" type="checkbox"/>	Swanbank PS	<input checked="" type="checkbox"/>	Mackay Gas Turbine	<input checked="" type="checkbox"/>
Wivenhoe Small Hydro PS	<input checked="" type="checkbox"/>	Stanwell PS	<input checked="" type="checkbox"/>	Meandu Mine	<input type="checkbox"/>

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1.0 Purpose/Scope

Purpose

This procedure provides a corporate wide process for the management of land and vegetation disturbance in line with current environmental legislative requirements on all operational Stanwell sites (except Meandu Mine), and non-operational land and may include land in which Stanwell has an interest.

Scope

This procedure applies to:

- Ground Disturbance - any activity that will break the ground surface or the surface rock layer of the ground, including but not limited to tracked vehicle movements (bulldozer, excavator), post hole digging, excavation works, stockpiling activity (e.g. of soil or vegetation), grading, ripping, ploughing, dredging, blasting, drilling, placing of fill etc. Includes movement of soil from one location to another location. Excludes rubber tyre vehicle movements;
- Vegetation Disturbance – pruning, thinning, trimming, clearing, burning etc. of vegetation;
- Work in the beds or banks of a watercourse, lake or spring - work along a watercourse bed or bank refers to the land that is within the line along the outer limits of the defined channel of the watercourse (i.e that following the highest points of land in the channel that are covered by the watercourse water, whether permanently or intermittently); Excludes carrying out weed spraying, monitoring, surveying or inspections;

This procedure also applies to:

- All employees and contractors employed by Stanwell;

2.0 Land and Vegetation Disturbance Process

The following flow chart (Figure 1) describes the land and vegetation disturbance process from application to close out.

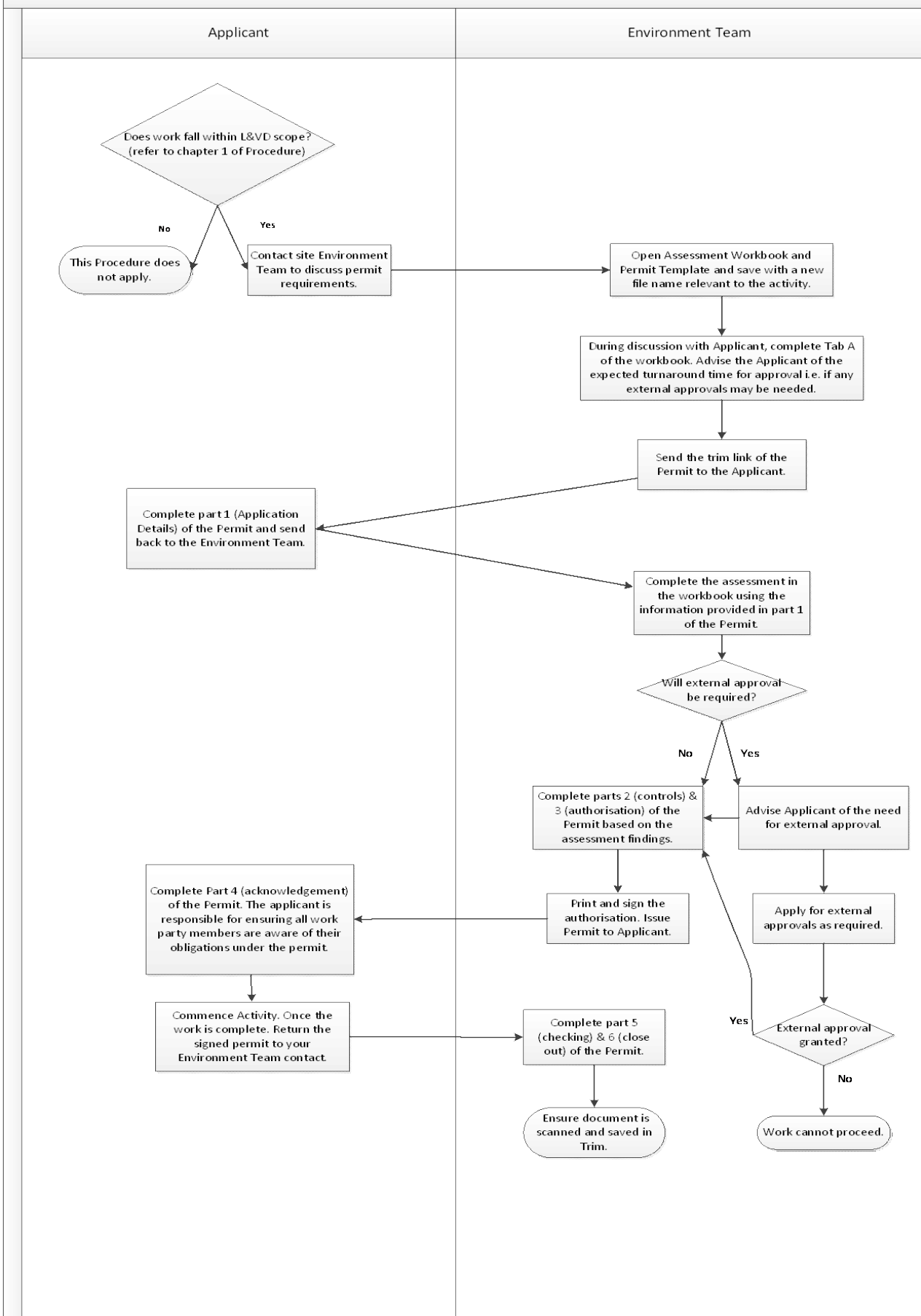
The Environment Team will determine if a Land and Vegetation Disturbance Permit (L&VDP) is required by discussing the work with the applicant, and answering a series of questions contained in the L&VD Assessment Workbook. The workbook template is available in trim (15/67100) and on the Environment GenNet page. The Workbook is maintained by the Environment Team as part of the environmental legal updates review process.

Land disturbance permits and the L&VD assessment workbook are to be saved in the following containers:

- ENV51700: Environmental Management - Land Management - Stanwell Power Station - Land Disturbance (Internal)
- ENV15160: Environmental Management - Land Management - Kareeya & Koombaloo Power Stations - Land Disturbance (Internal)
- ENV15159: Environmental Management - Land Management - Barron Gorge Power Station - Land Disturbance (Internal).
- ENV37354: Environmental Management - Land Management - Swanbank Power Station
- ENV9762: Environmental Management - Land Management - Tarong Power Station - Land Disturbance Certificates
- ENV24271: Environmental Management - Land Management - Mackay Gas Turbine - Land Disturbance - Internal

Land disturbance permits for the Northern Region are to be recorded in the 'Register for Land Disturbance Permits - Northern Region' - TRIM: 13/126069.

Figure 1: Stanwell Land and Vegetation Disturbance (L&VD) Process



3.0 Responsibilities

Corporate Environment and Assurance Manager

- To ensure that the requirements of this procedure align with the requirements of all relevant environmental legislation.

Site Managers

- To support the implementation of this procedure at sites under their control and for activities to which this procedure applies.
- To support the Environment Team in ensuring that all relevant legislative obligations are met.

Works Supervisor

- To ensure the Environment Team has been consulted prior to commencing any activities involving land and/or vegetation clearance and disturbance.
- To comply with any conditions and controls for land and vegetation disturbance and to support the Environment Team in ensuring that all relevant legislative obligations are met.
- To ensure work party members are aware of the obligations specified on the Land and Vegetation Disturbance Permit and that the obligations are implemented.

Land and Property Team

- To assess and manage land and vegetation disturbance activities on non-operational land in accordance with the requirements of this procedure.
- To liaise with the Tarong Environment Team for land and vegetation disturbance activities that relate to Kunioon and the Northern Land, and the SPS Environment Team for activities related to SPS non operational land.

Community and Indigenous Relations Team

- To assess all land disturbance permits for Tarong and Meandu and liaise with traditional owners regarding approvals where required.
- To liaise with and provide support to the Northern Region and Swanbank environment teams to ensure land and vegetation disturbance activities are assessed under the *Aboriginal Cultural Heritage Act 2003* and Stanwell Cultural Heritage Agreements.

Environment and Assurance Team

- To implement all aspects of this procedure and ensure that work party members understand its requirements and are enabled to comply.
- The Environment Team will monitor environmental legislation and ensure the Land and Vegetation Disturbance Assessment Workbook is updated as required.
- To liaise with the Land and Property Team where land and vegetation disturbance activities relate to non-operational land at Tarong and SPS as required.

All Employees

- To be aware of this procedure and support its implementation where it is relevant to their position requirements and responsibilities.

4.0 Review, Consultation and Communication

Review:

This Document is required to be reviewed, at a minimum, every 2 years.

Consultation:

Relevant personnel, workgroups and committees to be consulted in review of this procedure are:

- Relevant members of the environmental team;
- Relevant members of the property/real estate team;
- Relevant members of the community and indigenous relations team;
- Site managers;

Communication/Requirements after Update:

This procedure is a controlled document, published on GenNet and circulated via email to Stanwell Management and to targeted staff via toolbox talks.

5.0 References

Procedures

- Safe Work Authorisation.
- GOV-PROC-46 - Event Management Procedure - OHS-PROC-126 - Excavation and Penetration
- OHS-PROC-126A - Excavation and Penetration – Stay Safe

Forms

- Land and Vegetation Disturbance Permit
- SWA – Safe Work Authorisation

Other Processes

- Site Conditions
- Conditions of Contract
- Purchase or Work Orders
- ATW System
- PMO planning/approvals processes

Environmental Legislation (including subordinate legislation)

- *Aboriginal Cultural Heritage Act 2003*
- *Environment Protection and Biodiversity Conservation Act 1999*
- *Environmental Protection Act 1994*
- *Biosecurity Act 2014*
- *Nature Conservation Act 1992*
- *Planning Act 2016*
- *Vegetation Management Act 1999*
- *Water Act 2000*
- *Wet Tropics World Heritage Protection and Management Act 1993*

(It should be noted that legislation changes frequently and should be reviewed regularly with information from the Queensland Legislation Home Page: www.legislation.qld.gov.au. Any reference of legislation should be to the latest version available on the above mentioned Queensland Legislation Home Page)

Safety Legislation

- Work Health and Safety Act 2011
- WHS Qld – Code of Practice 2011: How to Manage Work Health and Safety Risks

Other useful information

- International Erosion Control Association, 2008, Best practice erosion and sediment control. International Erosion Control Association (Australasia, Picton NSW)

6.0 Definitions

Erosion	Where water or wind picks up soil particles and transports it away from its original location.
Land and vegetation disturbance	As defined under “scope” in section one (1).
Land and vegetation disturbance Permit	A permit issued pursuant to this procedure.
Sediment	Term used to describe the soil, which has been transported and deposited. This activity is also referred to as siltation.

7.0 Revision History

Rev. No.	Rev. Date	Review Description	Author	Endorse/Check	Approved By
0	20/02/15	Existing site land and vegetation disturbance procedures have been reviewed and a new, corporate procedure has been developed	J. Legrady	D. Brooks K. Swanepoel	J. Cabrera
	31.08.2017	Minor change to References to align with new Legislation. Advised by Juanita Legrady. New revision not required.	S. Bradey		
1	18.10.2018	Minor changes to include TRIM container for recording land disturbance permits and SWA changes.	Rhonda Baldock	Paul Veivers	Kevin Swanepoel