

Determination of Permit Application – Wet Tropics Permit

Wet Tropics Permit No: WTMA18015

The Wet Tropics Management Authority (the Authority), having considered the proposed activity described below and, in accordance with Part 4 Division 2 of the *Wet Tropics Management Plan 1998* (WTM Plan), having taken into account to the fullest extent possible all matters likely to impact on the integrity of the Wet Tropics of Queensland World Heritage Area as a result of the proposed activity, **by this permit authorises:**

Applicant: Stanwell Corporation Limited

Address: GPO Box 800
Brisbane QLD 4001


Permitted Activity(s): S. 33. (c) - Maintaining a structure.
S. 33. (d) - Maintaining a road.
S. 33. (e) - Clearing vegetation around a structure or road existing immediately before the commencement day, or was lawfully built under this plan, to the extent necessary for its appropriate use.
S. 33. (f) - Building or maintaining a walking track or associated structure.
S. 33. (i) - Killing or disposing of an undesirable plant.
S. 33. (j) (ii) - Operating a motor vehicle on a road depicted on a zoning map as a 'management' road, for the purpose of conservation management, scientific research or maintenance of community services infrastructure.
S. 33. (k) - Flying a motorised aircraft less than 1000 ft above the area.
S. 33. (f) - building or maintaining a walking track or associated structure.
S. 33. (i) - Killing or disposing of an undesirable plant.
S. 33. (j) (ii) - Operating a motor vehicle on a road depicted on a zoning map as a 'management' road, for the purpose of conservation management, scientific research or maintenance of community services infrastructure.
S. 33. (k) - Flying a motorised aircraft less than 1000 ft above the area.

Location: Various localities - refer to Schedule 2 of the permit

Valid from: 20 December 2018 to 19 December 2023

unless sooner cancelled or suspended by prior notice in writing.

This permit is subject to the conditions specified in the attached Schedule 1 overleaf.

Signed:  Name: Scott Buchanan
Position: Executive Director Date: 21.12.2018

Delegate of Wet Tropics Management Authority

Schedule 1

Conditions of Approval

The activities shall be undertaken in accordance with those detailed in the application received on 29/11/2018 from Stanwell Corporation Limited (Stanwell)¹ unless modified by the following conditions.

1. All works shall be undertaken in conformity with the approved Environmental Management Plans (EMPs) for the locations specified in Schedule 2. The EMPs may be updated or amended following consultation between Stanwell and the Authority, subject to the review and approval of any changes by the Authority. Where contradictions occur between the Codes of Practice and the EMP, the approved EMP conditions will apply.
2. The permittee shall ensure that prior to conducting maintenance works within the Wet Tropics World Heritage Area which may have an impact on the World Heritage Area values:
 - i. any employee, agent or contractor of the permittee conducting the works has been informed of the requirements of this permit, the EMP and other relevant documents;
 - ii. the works supervisor has obtained a briefing describing the natural values of the subject site from the relevant company environmental officer, or authorised delegate, or a Wet Tropics Management Authority officer or the Queensland Parks and Wildlife Service officer responsible for the locality in which the subject site is situated; and
 - iii. the works supervisor must also be given direction by the relevant Stanwell environmental officer, or authorised delegate, or a Wet Tropics Management Authority officer or the Queensland Parks and Wildlife Service officer responsible for the locality in which the subject site is situated as to the nature and extent of the clearing or earthworks to be undertaken.
3. Maintenance works shall only take place within the existing infrastructure footprint². Any other works beyond the existing footprint requires further approval by the Authority.
4. All road and earthworks shall be undertaken in conformity with the best practice guidelines contained in the Road Maintenance Code of Practice³ and the approved EMP.
5. All water infrastructure works shall be undertaken in conformity with the field guide for the maintenance and operation of water extraction infrastructure in the Wet Tropics, contained in the Water Infrastructure Code of Practice⁴ and the approved EMP.
6. All electricity infrastructure works shall be undertaken in conformity with The Maintenance of Electricity Corridors in Queensland Parks and Forests Code of Practice⁵ and the approved EMP.
7. Where exposed soil is to be left unprotected, erosion and sediment controls must be implemented. Control measures must be designed specifically for individual sites and must take into account type and extent of construction, soil type, slope, expected duration of exposure and the likelihood of significant rainfall. Roadworks involving the disturbance of soil should employ erosion and sediment control techniques described in Principles of Construction Site Erosion and Sediment Control⁶.

¹ This permit applies to Stanwell and any assignee or transferee from Stanwell as if they were the original applicant.

² 'Infrastructure footprint' is illustrated on page 3 of the *Road Maintenance Code of Practice for the Wet Tropics World Heritage Area* <http://www.wettropics.gov.au/site/user-assets/docs/Info%20Sheets%20/Guideline%209c-%20Field%20Guide%20Road%20Maintenance%20COP3.pdf>

³ *Ibid*

⁴ Water Infrastructure Code of Practice - Field Guide for the Maintenance and Operation of Water Extraction Infrastructure in the Wet Tropics. https://www.wettropics.gov.au/site/user-assets/docs/s62_07water.pdf

⁵ Queensland Electricity Supply Industry (QESI) Maintenance Code for the Wet Tropics World Heritage Area. http://www.wettropics.gov.au/site/user-assets/docs/s62_04elec.pdf

⁶ Principles of Construction Site Erosion and Sediment Control, International Erosion Control Association. <https://www.austieca.com.au/documents/item/430>.

8. Erosion and sediment control measures must be monitored as soon as practicable following 25 mm of rain within a 4 hour period to review their efficacy and effect and make any necessary modifications. Any modifications must be monitored until such time as the site is deemed to be stable and drainage structures are effective in managing overland flow.
9. Weed Control
 - i. Mechanical weed management should be the preferred method of weed control.
 - ii. Herbicide use shall be limited to control vegetation where mechanical methods are not economical nor practical.
 - iii. Herbicides shall be administered only by trained operators.
 - iv. Herbicides should be applied selectively in a manner that will retard the growth of weeds and non-native grasses while promoting the growth of low growing native endemic grasses and plants.
 - v. Herbicides used for spray applications should preferably be glyphosate based and should not contain surfactants when used in the vicinity of wetlands and waterways.
 - vi. Herbicide drift should be minimised so native species are not affected.
 - vii. Other herbicides that may be used within the Wet Tropics World Heritage Area are those referenced in the Australian Pesticides and Veterinary Pest Medicines Authority (APVMA) Permit to Allow Minor Use of an Agvet Chemical Product⁷. Use of any other herbicides must be approved by the Authority in writing.
10. Prior to commencing works, all machinery that has operated in areas containing invasive plants⁸ must be washed down to remove earth and seeds before entering the World Heritage Area. Wash down shall be in a designated area to reduce the opportunity for further spread of weeds. Following completion of works, wash down areas are to be monitored for weed infestations with appropriate weed control conducted where required.
11. All fuel and chemicals shall be handled and stored in a manner that will enable containment of the substance in the event of an accidental spill or leak.
12. Roadside vegetation clearing shall be restricted to branches and vines :
 - i. that are within a distance of 4.5 metres above the road surface (unless otherwise modified in the approved EMP), or
 - ii. which intrude directly on to the carriageway of the road, or
 - iii. which constitute a threat to the safety of road users, or
 - iv. where line of sight is compromised, or
 - v. obstructing viewing points.
13. Vegetation clearing around structures shall be restricted to branches and vines that intrude directly on to the structure or constitute a direct threat to the safety or appropriate use of the structure or users unless specified in the approved EMP.

⁷ Currently PER11463 expiry date 30 June 2023 <http://permits.apvma.gov.au/PER11463.PDF>

⁸ Restricted invasive plants or prohibited invasive plants: <https://www.business.qld.gov.au/industries/farms-fishing-forestry/agriculture/land-management/health-pests-weeds-diseases/weeds-diseases/invasive-plants>

14. Vegetation pruning should comply with AS 4373 - Pruning of Amenity Trees to minimise damage to adjacent plants. Vegetative material should be disposed on site. To limit impacts on presentation values, prunings should be cut into short sections and returned to the forest floor in an aesthetically sensitive manner. Vegetative material may only be removed from the site with the prior approval of the Authority.
15. Road spoil shall be disposed of in a suitable disposal area outside of the World Heritage Area unless prior approval has been sought from the Authority. Road spoil is not to be pushed into or over the road verge. This condition does not preclude the use of road spoil for use in fill sections of the road or for resurfacing of the road or other permitted activity
16. Material for road maintenance must not be sourced in the World Heritage Area without prior approval from the Authority.
17. Non-vegetative wastes (e.g. garbage) should be removed from the site of activity and disposed of at a licensed facility as soon as practicable.
18. All buildings or structures shall be maintained using materials that minimise the impacts upon the scenic values of the location.
19. All aircraft used for infrastructure maintenance shall be flown not less than 1000ft above ground level when operating over the World Heritage Area unless:
 - i. Taking off or landing; or
 - ii. Flying at a level that is reasonably necessary for safety purposes; or
 - iii. Flying over infrastructure footprints.
20. An Annual Return (Schedule 3 of this permit) shall be provided to the Authority by 1 August each year and cover the previous financial year from 1 July to 30 June. The Annual Return must specify:
 - I. compliance with the permit; and
 - II. the training provided, the number of persons trained, the date of training and the trainer.

Reasons for the Decision

Pursuant to section 53 (2) of the WTM Plan, this decision was based on the following reasons:

- the application was properly made under the WTM Plan and a decision is required on the application within the timeframe set out in the WTM Plan;
- the proposal is an activity which has been assessed pursuant to Part 4 Division 2 of the WTM Plan as having minimal impacts on the World Heritage values of the subject land provided it is undertaken in accordance with the conditions attached to the permit.

If you are not satisfied with the above conditions you may ask the Authority to review this decision but you must notify your request in writing within 60 days of this notice, indicating the reasons for the request and any other information you consider relevant.

The Authority will review the decision as soon as practicable and notify you of the outcome. If you are still not satisfied, you may appeal to the Planning and Environment Court against the decision.

Schedule 2

Infrastructure Location

Barron Gorge Power Station Land Tenure Summary:

Location Description	Current Tenure	Encumbrance	Infrastructure and Current Land Use (User)
Lot 752 on NR5189 Title Reference No. 49011001	Reserve (RES89-44) Trustee: Stanwell Corporation Limited Purpose: Electrical Works Gazetted on 26/05/1973	Easement A on CP893734 (Powerlink)	Barron Gorge (Stanwell) <ul style="list-style-type: none"> ▪ Tourist parking area (Section of Barron Gorge Road, picnic area and parking park on eastern side of Barron River); ▪ Station access Bridge ▪ First Aid Room; ▪ Water Treatment Plant; ▪ Toilet Block; ▪ Admin Building; ▪ Workshop; ▪ Stores; ▪ Transformers; ▪ Tailrace; ▪ Barron Gorge Power Station; ▪ Penstock; ▪ Surge Tank; ▪ Butterfly Valve Chamber; ▪ Communications antennae (Radiolink); ▪ Water Tank; ▪ Roads and access tracks; ▪ Rock fall fence ▪ Surprise Creek weir ▪ Station Weir (behind rock fall fence) ▪ Septic system (5 tanks and sand filter) ▪ Tyre farm access walkway Other (Various Owners) <ul style="list-style-type: none"> ▪ 22kV Powerline (Ergon) ▪ Wrights Lookout Viewing Platform (Mareeba Shire Council) ▪ Communications Hut/Microwave Transmitter (Powerlink) ▪ 132kV Powerline (Ergon)

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Location Description	Current Tenure	Encumbrance	Infrastructure and Current Land Use (User)
Lot 23 on NR7579 Title Reference No. 20091111	Freehold Owner: Stanwell Corporation Limited		Nil
Lot 24 on NR7579 Title Reference No. 20091111	Freehold Owner: Stanwell Corporation Limited		Nil
Lot 25 on NR7579 Title Reference No. 20298157	Freehold Owner: Stanwell Corporation Limited		Nil
Lot 150 on NR4991 Title Reference No. 49011000	Reserve (RES89-44) Trustee: Stanwell Corporation Limited Purpose: Electrical Works Gazetted on 26/11/1999		Barron Gorge Weir (Stanwell) <ul style="list-style-type: none"> ▪ Weir; ▪ Gatehouse; ▪ Weir Intake Building; ▪ Stop Log Structure; ▪ Stop Log Shed; ▪ Emergency Diesel Generator enclosure ▪ Saddle Dam ▪ Septic tanks (2) ▪ Toilet block ▪ Under sluice channel (ROP) ▪ Access tracks and ramps; and ▪ Old Barron Gorge Power Station Ruins.

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Location Description	Current Tenure	Encumbrance	Infrastructure and Current Land Use (User)
Lot 152 on SP126541 Title Reference No. 49011000	Reserve (RES89-44) Trustee: Stanwell Corporation Limited Purpose: Electrical Works Gazetted on 26/11/1999;		<ul style="list-style-type: none"> Marshall's Road - Weir access tracks from Kennedy Highway (Stanwell).

Kareeya Power Station Land Tenure Summary:

Description	Current Tenure	Encumbrance	Current Land Use (User)
Lot 1 on AP14613 Title Reference No. 47522001	Alcock Forest Reserve - Occupation Permit PID2021 (The State of Queensland represented by DNPSR)		QC Camp (Stanwell) <ul style="list-style-type: none"> Multi use buildings; Access via bitumen roadway off Tully Gorge Road; and 415V Powerline to QC Camp.
Lot 32 on CWL3693 Title Reference No. 17658211	State lease - NCL 22/1508 Purpose - none Current term - perpetuity Current term commenced - 01/07/1957 Lessee - Stanwell Corporation Limited	Sub-lease No 701076294 to Queensland Electricity Transmission Corporation (Powerlink)	QC Camp (Stanwell) <ul style="list-style-type: none"> Partial section of Multi Use Buildings; and Powerline to QC Camp. Kareeya Power Station (Stanwell) <ul style="list-style-type: none"> Kareeya Power Station Gauging Station; Hydro Generating Plant (machine hall); Fire System (river access stairs, pump, storage tank); Tailrace; Switchyard; 22kV Powerline (switchyard to Weir & Dam); Powerline to QC Camp; Administration Building and Workshops (including welding workshop); and Access via bitumen roadway off Tully Gorge Road. Tully Falls Weir (Stanwell) <ul style="list-style-type: none"> Tully Falls Weir 22kV Powerline (switchyard to Weir & Dam – splits after communication hut) K7 – K17 = 22kV then step down to 415 K7 - IN1 = 22kV then

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Description	Current Tenure	Encumbrance	Current Land Use (User)
			steps down to 415v to intake); <ul style="list-style-type: none"> ▪ 415v power distribution corridors (K17 to portal and IN1 to weir intake works); ▪ Tully Falls Weir; ▪ Weir Intake Building and Amenities Building; ▪ Old Power Station to become Multi Use Building; ▪ Leaf Dump; ▪ Portal; ▪ Cable Car Mountain Station (Portal Area); ▪ Covered Parking (tractor, cars and fuel trailer); ▪ Underground Penstock; ▪ Surge Tank; ▪ Gated bitumen roadway off Tully Falls Road and Tully Falls Weir Bridge; and ▪ Unsealed access tracks. Other (Various) <ul style="list-style-type: none"> ▪ Kareeya 132kV Substation (Powerlink); ▪ Kareeya to Chalumbin 132kV Transmission Line (Powerlink); ▪ Tully Falls Relay Repeater Station (Powerlink); ▪ Public Toilet Facilities (DNPSR); and ▪ Water Rafting Activities (various companies).
Lot 36 on CWL2542 Title Reference No. 40031016	State Lease - TL 0/216678 Purpose - commercial business - transport facility (aerial cableway) Current term 30 years commencing 22/10/2001. Expiry 21/10/2031.	Lease is within the Tully Gorge National Park (66 on NPW890)	Cable Car (Stanwell) <ul style="list-style-type: none"> ▪ Elevated cableway, tower, wire, cage and landing.
Lot 66 on NPW890 Title Reference No. Unknown	Tully Gorge National Park	Unknown	Ancillary Infrastructure (Stanwell) <ul style="list-style-type: none"> ▪ Tully Falls Weir 22kV Distribution Power Line corridors (switchyard to Weir & Dam – splits after communication hut) K7 – K17 = 22kV then step down to 415 K7 - IN1 = 22kV then steps down to 415v to intake); ▪ Bitumen roadway off Tully Falls Road; and ▪ Unsealed access tracks. Other (Various) <ul style="list-style-type: none"> ▪ Kareeya to Chalumbin 132kV Transmission Line (Powerlink); and

Description	Current Tenure	Encumbrance	Current Land Use (User)
			<ul style="list-style-type: none"> Unsealed access tracks.
Lot 68 on NPW890 Formerly Lot 605 on AP6377 – Koombooloomba State Forest Title Reference No. Unknown	Koombooloomba National Park	Unknown	Ancillary Infrastructure (Stanwell) <ul style="list-style-type: none"> Kareeya Translator Hut (near Powerlink Communication Hut) – Service Facility Authority Permit ID1180 under S35 of the <i>Nature Conservation Act 1992</i>. Nitchaga Creek Flow Gauging Station, store shed and depth marker at creek– Service Facility Authority Permit ID1180 under S35 of the <i>Nature Conservation Act 1992</i>. V Notch Weir #6 and V6 Saddle Dam; Tully Falls Weir 22kV Distribution Power Line corridors (switchyard to Weir & Dam – splits after communication hut) K7 – K17 = 22kV then step down to 415 K7 - IN1 = 22kV then steps down to 415v to intake); Bitumen roadway off Tully Falls Road; and Unsealed access tracks. Other (Various) <ul style="list-style-type: none"> Communications Hut (Powerlink); Kareeya to Chalumbin 132kV Transmission Line (Powerlink); and Unsealed access tracks
Lot 555 on NPW929 Formerly Lot 3 on CWL1903, Lot 13 on SP193022 and Lot 605 on AP6377. Title Reference No. Unknown	Koombooloomba Regional Park	Unknown	Ancillary Infrastructure (Stanwell) <ul style="list-style-type: none"> Tully Falls Weir 22kV Distribution Power Line corridors (switchyard to Weir & Dam – splits after communication hut) K7 – K17 = 22kV then step down to 415 K7 - IN1 = 22kV then steps down to 415v to intake); and Unsealed access tracks. Recreational Areas (NPSR) <ul style="list-style-type: none"> Koombooloomba camping and day-use area; and Unsealed access tracks.
Lot 12 on SP193022 Formerly Lot 2 on CP CWL1618 Title Reference No. 49008382	Reserve - Res 9709. Purpose - Electrical works Trustee - Stanwell Corporation Limited	Reserve By-laws No. 602823643	Koombooloomba Power Station (Stanwell) <ul style="list-style-type: none"> Koombooloomba Dam (dam wall and part of the water storage area, gatehouse, fabridam); Koombooloomba Power Station Hydro Generation Plant (K5); K5 Switchyard (oily water separation pit); TIV (Turbine Inlet Valve) structure (shed and bunded area associated with the TIV); Dam survey points;

Description	Current Tenure	Encumbrance	Current Land Use (User)
			<ul style="list-style-type: none"> ▪ Watertank; ▪ Administration / Stores Facility / Shed; ▪ Southern Saddle Dam; ▪ Various V-Notches; #1, #2, #2A, and #3 (measuring seepage); ▪ Tully Falls Weir 22kV Distribution Power Line corridors (switchyard to Weir & Dam – splits after communication hut) K7 – K17 = 22kV then step down to 415 K7 - IN1 = 22kV then steps down to 415v to intake); ▪ Unsealed access tracks off Tully Falls Road; ▪ Access infrastructure (unsealed tracks & stairs) – walking tracks; and ▪ Tully River Koombooloomba Bridge.
Lot 4 on CWL1618 Title Reference No. 49008380	Reserve - Res 9709. Purpose - Electrical works Trustee - Stanwell	Reserve By- laws No. 602823643	Koombooloomba Northern Saddle Dam (Stanwell) <ul style="list-style-type: none"> ▪ Koombooloomba Northern Saddle Dam; ▪ Unsealed access track; and ▪ V-Notch Weir #4.

Schedule 3 – Annual Return Template

Wet Tropics Permit Annual Reporting Form

a. Permit Details: Number WTMA18015

Expiry date: 19/12/2023

b. Applicant Details

Family Name:			
Given Name(s):			
Title (please tick):	<input type="checkbox"/> Mr	<input type="checkbox"/> Mrs	<input type="checkbox"/> Ms <input type="checkbox"/> Other
Company Name (if applicable):			ABN:
Postal Address:			
Contact details	Ph: ()		
	Mobile:		
	Fax: ()		
	Email:		

Property Location Details

Please identify precisely where the proposed activity will be carried out, or the route to be used.

Property Name:			
Property Details:	City/Shire:		
	Lot:	Plan:	Parish:
Tenure (e.g. Freehold, National Park, etc.):			

Permit Compliance

Annual Reporting on permit conditions:

(Please complete all boxes Y or N or initial; N/A may be appropriate if you do not have this permit condition.)

1. The activities have been undertaken in accordance with the application Yes No N/A
2. All works have been undertaken in conformity with the approved Environmental Management Plan EMP
Yes No N/A
3. All road and earth works have been undertaken in conformity with the best practice guidelines
contained in the "Road Maintenance Code of Practice." Yes No N/A
4. All water infrastructure works have been undertaken in conformity with the Code of Practice for the
maintenance and operation of water extraction infrastructure in the Wet Tropics, contained in the "Water
Infrastructure Code of Practice" Yes No N/A
5. Maintenance works have only take place within the existing infrastructure footprint. Any other works
beyond the existing footprint have been referred for further approval by the Authority
Yes No N/A
6. Prior to conducting any works within the Wet Tropics World Heritage Area all employees, agents or
contractors conducting the works have been informed of the requirements of this permit, EMP and other
relevant documents: Yes No N/A

Staff Induction Report

Training type –		No of employees trained	Date	By whom
Permit conditions	Employees			
	Contractors			
Wet Tropics values	Supervisor briefings			
	Employees			
	Contractors/ others			

8. Prior to commencing works, all machinery containing soil or plant material has been washed down to remove earth and seeds before entering the World Heritage Area. Wash down has been in a designated area to prevent the further spread of weeds. Yes No N/A
 Washdown area name:
9. All fuel and chemicals have been stored and handled in a manner that enables containment of the substance on site in the event of an accidental spill or leak: Yes No N/A
 (i). no. of chemical or fuel spills reported internally:
 (ii) no. of chemical or fuel spills reported externally (Significant environmental incident)
10. Roadside vegetation clearing was conducted according to permit: Yes No N/A
11. Vegetation clearing around structures was conducted according to permit:
 Yes No N/A
12. Vegetation lopping was carried out to minimise damage to adjacent plants, vegetative material was disposed of on site, prunings were cut into short sections and returned to the forest floor in an aesthetically sensitive manner to limit impacts on presentation values, vegetative material was removed from the site with prior approval of the Authority Yes No N/A
13. Road spoil was disposed of in a suitable disposal area outside of the World Heritage Area except when approval was granted by the Authority Yes No N/A
14. Material for road maintenance not sourced in the World Heritage Area without prior approval from the Authority. Yes No N/A
15. Non-vegetative wastes was removed from the sites as soon as possible and disposed of at a licensed facility Yes No N/A
16. All buildings/structures were maintained using materials that minimised the impacts upon the scenic values of the location Yes No N/A

Executive Summary for External Third Party Audit attached Yes No N/A

e. Declaration

I declare that the information provided in this report is complete, true and correct in every detail.

Applicant's Signature:.....

Date:.....

f. Office Use Only

Report:

Date Received:.....

Permit:

Permit No:..... Date Issued:.....

Expiry Date:..... Register Noted:.....

Permits Officer:

Name:..... Title:.....

Signature:..... Date:.....