APPENDIX F

Decision Ref – Discharge Permits

Discharge permits for the purpose of operating and maintaining a hydro electric power scheme and more particularly to discharge water and contaminants including sediment to river and streams from the flushing channel, tailrace, settling basin, flumes, canals and overflow and emergency spillways and other structures associated with the operation of the hydro electric power scheme in the general accordance with the locations identified and described in the table below and as shown on the accompanying plan[1] (Tonkin & Taylor – Locations of consent applications water and discharge consents), for a term of 35 years from the date of commencement of this consent, and in general accordance with the conditions set out below.

TABLE B	Consent Details – For general location refer to accompanying 'Location of consent applications – discharge and water consents' plan
B1.	Discharge water and sediment from the flushing channel located in the general locality of the power scheme intake back to the main stem of the Wairau River.
B2.	Discharge water and sediment from the settling basin into the main stem of the Wairau River, via the fish pass channel at a maximum rate of $5m^3/s$.
B3.	Discharge water and sediment from the settling basin into the main stem of the Wairau River, via the sluice gate, at a maximum rate of $30m^3/s$.
B4.	Discharge up to a maximum of $60m^3/s$ of water and contaminants from the emergency spillway at Canal 3 Ch.2750, Wairau River.
B5.	Discharge water and sediment at a maximum rate of $60m^3/s$ from the Wairau Tailrace at a point slightly downstream from the existing Wairau Tailrace discharge point into the main stem of the Wairau River.
B6.	Discharge water and contaminants from a flume constructed to divert and convey stream waters from the flume back into Saltwater Stream.
B7.	Discharge up to a maximum of 7~~0~~5m^3/s of water and contaminants from the emergency spillway on Canal 4 Ch. 220 to Saltwater Stream.
B8.	Discharge water and contaminants from flumes constructed to divert and convey stream waters from the flume back into Cabbage Tree Creek.
B9.	Discharge water and contaminants from Canal 4 into House Creek.
B10.	Discharge water and contaminants from the emergency spillway on Canal 4 to an unnamed gully.
B11.	Discharge water and contaminants from the 12m high earth dam into an unnamed tributary.

[1] Please note that the discharge and water consent location plan is to be provided once available.

B12.	Discharge water and contaminants from the aerial pipe into an unnamed tributary.
B13.	Discharge water and contaminants from the operational spillway on Canal 5 to the Wye River.
B14.	Discharge up to a maximum of 25m^3/s of water and contaminants from the emergency overflow spillway on Canal 6 Ch. 1100 to the re-aligned Briary Creek.
B15.	Discharge water and contaminants up to a maximum of 40m^3/s of water from Canal 6 to Ranui Creek.
B16.	Discharge water and contaminants from a flume constructed to divert and convey stream waters from the flume back into the tributary of Two Cottage Creek.
B17.	Discharge water and contaminants from a culvert constructed to divert and convey stream waters from the culvert back into an unnamed tributary.
B18.	Discharge up to a maximum of 5~~0~~2m^3/s of water and contaminants from the spillway on Canal 7 Ch. 1750 into Boundary Creek.
B19.	Discharge up to a maximum of ~~30~~42m^3/s of water and contaminants from the spillway on Canal 7 Ch. 2000 into Boundary Creek.
B20.	Discharge up to a maximum of 5m^3/s of water and contaminants from the spillway on Canal 7 Ch. 3900 into Excell Stream.
B21.	Discharge up to a maximum of 5m^3/s of water and contaminants from the spillway on Canal 7 Ch. 4300 into Excell Stream.
B22.	Discharge up to a maximum of ~~65~~44m^3/s of water and contaminants from the emergency spillway on Canal 8 Ch. 3650 into Walkers Stream.
B23.	Discharge up to a maximum of 40m^3/s of water and contaminants from the spillway on Canal 8 Ch. 5450 into Hillersden Stream.
B24.	Discharge up to a maximum of 30m^3/s of water and contaminants from the spillway on Canal 8 Ch. 9750 into Brothers Creek.
B25.	Discharge up to a maximum of 30m^3/s of water and contaminants from the spillway on Canal 8 Ch. 12000 into Keirnan Creek.
B26.	Discharge water and contaminants from a culvert constructed to divert and convey stream water and from Canal 7 to Excell and Huddleston Streams.
B27.	Discharge water and contaminants from a culvert constructed to divert and convey stream waters back into Andersons Floodway.
B28.	Discharge water and contaminants from a culvert constructed to divert and convey stream waters back into Mill Stream.
B29.	Discharge water and contaminants from the flume constructed to divert and

	convey stream waters back into Hillersden Creek and Brothers Creek.
B30.	Discharge water and contaminants from a culvert constructed to divert and convey stream waters back into Landsdowne Creek, an unnamed tributary, and Kiernan Creek.
B31.	Discharge water and contaminants from Canal 9 back to the main stem of the Wairau River at a maximum of $40m^3/s$.

Decision Ref – Discharge Permit

Discharge permit for the purpose of operating and maintaining a hydro electric power scheme and more particularly to discharge water on an intermittent basis to land and then to water associated with the operation of the scheme and spillways in general accordance with the locations identified and described in the table below and as shown on the accompanying plan[2] (Tonkin & Taylor – Locations of consent applications discharge and water consents) for a term of 35 years from the date of commencement of this consent, and in general accordance with the conditions set out below.

TABLE E	Consent Details – For general location refer to accompanying 'Location of consent applications – discharge and water consents' plan
E1.	Discharge up to a maximum of ~~10~~50m^3/s of water on an intermittent basis from Canal 3 Ch. 2750 and Ch. 3600, to and across farmland, and into the Wairau River.
E2.	Discharge water from the Regulating Pond, to and across farmland, and into the Wairau River.
E3.	Discharge up to a maximum of 20m^3/s of water from the spillway on Canal 4 Ch. 1800 and Ch.4300, to and across farmland, and into the Wairau River and Cabbage Tree Creek.
E4.	Discharge up to a maximum of ~~30~~65m^3/s of water from the emergency spillway on Canal 5 Ch. 2650, to and across farmland and into the Wye River.
E5.	Discharge up to a maximum of ~~5~~50m^3/s of water from the operational spillway on Canal 5 Ch. 3150, to and across farmland and into the Wye River.
E6.	Discharge up to a maximum of ~~5~~8m^3/s of water from the emergency spillway on Canal 5 Ch. 4250, to and across farm, and into Ferret Gully Creek.
E7.	Discharge up to a maximum of 25m^3/s of water from Canal 6 Ch. 2700 and Ch.3880, to and across farmland, and into Two Cottage Creek.
E8.	Discharge up to a maximum of ~~50~~52m^3/s of water from the emergency overflow spillway on Canal 7, to and across farmland, and into Boundary Creek.
E9.	Discharge up to a maximum of ~~65~~44m^3/s of water from the emergency overflow spillway on Canal 8, to and across farmland, and into Walker's Stream.

[2] Please note that the discharge and water consent location plan is to be provided once available.

Decision Ref – Water Permit to Take Water

Water permit for the purpose of operating and maintaining a hydro electric power scheme and more particularly to take water and contaminants from a water body for the purpose of generating electricity in general accordance with the locations identified and described in the table below and as shown on the accompanying plan[3] (Tonkin & Taylor – Locations of consent applications discharge and water consents), for a term of 35 years from the date of commencement of this consent, and in general accordance with the conditions set out below.

TABLE F	Consent Details – For general location refer to accompanying 'Location of consent applications – discharge and water consents' plan
F1.	Abstract a maximum of 40m^3/s of water and contaminants from the Wairau River at a point upstream of the Branch confluence.
F2.	Abstract water from the Wairau Head Pond into a new penstock and into Power Station 1A at a maximum rate of 30m^3/s.
F3.	Abstract water from the Wairau Head Pond into the existing penstock and into the existing Wairau Power Station at a maximum rate of 20m^3/s.
F4.	Abstract water from the Canal 4 Head Pond into a penstock and into Power Station 1 at a maximum rate of 40m^3/s.
F5	Abstract water from an unnamed tributary to Canal 4.
F6.	Abstract water from House Creek into Canal 4.
F7.	Abstract water from an unnamed tributary to Canal 5.
F8.	Abstract water from Ferret Gully Creek to Canal 5.
F9.	Abstract water from the Canal 5 Head Pond into a penstock and into Power Station 2 at a maximum rate of 40m^3/s.
F10.	Abstract water from the Canal 6 Head Pond into a penstock and into Power Station 3 at a maximum rate of 40m^3/s.
F11.	Abstract water from the Canal 7 Head Pond into a penstock and into Power Station 4 at a maximum rate of 40m^3/s.
F12.	~~Abstract water from Walker's Stream to Canal 8.~~
F13.	Abstract water from the Canal 8 Head Pond into a penstock and into Power Station 5 at a maximum rate of 40m^3/s.

[3] Please note that the discharge and water consent location plan is to be provided once available.

Decision Ref – Water Permit to Use Water

Water permit for the purpose of operating and maintaining a hydro electric power scheme and more particularly to use water for hydro electric power generation purposes in general accordance with the locations identified and described in the table below and as shown on the accompanying plan[4] (Tonkin & Taylor – Locations of consent applications discharge and water consents), for a term of 35 years from the date of commencement of this consent, and in general accordance with the conditions set out below.

TABLE H	Consent Details – For general location refer to accompanying 'Location of consent applications – discharge and water consents' plan
H1.	Use up to a maximum of 30m^3/s of water from the Wairau River for flushing flow purposes.
H2.	Use up to a maximum of 35m^3/s of water from the Wairau River for hydroelectric power generation (including cooling water) purposes.
H3.	Use up to 50m^3/s of water from the Wairau Head Pond for hydroelectric power generation.
H4.	Use water from unnamed tributaries for hydroelectric power generation (including cooling water) purposes.
H5.	Use water from House Creek for hydroelectric power generation (including cooling water) purposes.
H6.	Use up to 40m^3/s of water from the Canal 4 Head Pond for hydroelectric power generation.
H7.	Use water from Ferret Gully Creek for hydroelectric power generation (including cooling water) purposes.
H8.	Use up to 40m^3/s of water from the Canal 5 Head Pond for hydroelectric power generation (including cooling water) purposes.
H9.	Use up to 40m^3/s of water from the Canal 6 Head Pond for hydroelectric power generation (including cooling water) purposes.
H10.	Use up to 40m^3/s of water from the Canal 7 Head Pond for hydroelectric power generation (including cooling water) purposes.
H11.	~~Use water from Walker's Stream for hydroelectric power generation (including cooling water) purposes.~~
H12.	Use up to 40m^3/s of water from the Canal 8 Head Pond for hydroelectric power generation (including cooling water) purposes.

[4] Please note that the discharge and water consent location plan is to be provided once available.