

Schedule 9

Contents of Integrated Catchment Management Plans & Applications for Network Discharge Consents

Integrated Catchment Management Plans (ICMPs) and applications for consent under Rules 5.5.10 to 5.5.13, in combination, should include the items in the Table below. In the columns relating to consents under Rules 5.5.10 to 5.5.13, “part” means the item is required in relation the network activities and to the extent of its effects on the receiving environment.

Table A

| Item | Item | Required for ICMP | Required for consent under Rules 5.5.10 to 5.5.13 by a stormwater or wastewater network utility operator | Required for consent under Rules 5.5.10 to 5.5.13 by a highway network operator |
|---------|--|-------------------|--|---|
| A | The issues arising from stormwater and wastewater discharges, diversions and associated activities facing the catchment or district, including: | | | |
| a (i) | A description of the drainage <i>networks</i> and their current and predicted future performance. | Yes | Yes | Yes |
| a (ii) | A general description of non-network drainage within the catchment or network and its likely contribution to adverse environmental effects; | Yes | No | No |
| a (iii) | An assessment of the <i>receiving environment</i> and the actual and potential effects (including cumulative effects) of <i>stormwater</i> or <i>wastewater</i> diversions and discharges, and associated river and <i>lake</i> bed activities on: | Yes | Yes | Yes |
| | <ul style="list-style-type: none"> Public health; | Yes | Part | No |
| | <ul style="list-style-type: none"> Flooding hazards, including legally authorised floor levels of <i>habitable buildings</i> and the State highway with respect to flood events up to and including 100 year <i>ARI</i> flood events; | Yes | Part | Part |
| | <ul style="list-style-type: none"> <i>Watercourse</i> hydrology, long-term <i>aquifer</i> levels and authorised surface and groundwater uses; | Yes | Part | Part |

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|--------|--|-------------------|--|---|
| | <ul style="list-style-type: none"> • <i>Receiving environment</i> sediment quality and water quality, including Environmental Indicator monitoring results; | Yes | Part | Part |
| | <ul style="list-style-type: none"> • Aquatic habitat, ecology and ecosystem health; | Yes | Part | Part |
| | <ul style="list-style-type: none"> • The natural and <i>amenity</i> values of <i>lakes</i>, rivers, wetlands and <i>aquifers</i>; | Yes | Part | Part |
| | <ul style="list-style-type: none"> • Riparian vegetation; | Yes | Part | Part |
| | <ul style="list-style-type: none"> • The extent and quality of open stream channels; | Yes | Part | Part |
| | <ul style="list-style-type: none"> • <i>Fish passage</i> for native fish; | Yes | Part | Part |
| | <ul style="list-style-type: none"> • The erosion and sedimentation of <i>lakes</i>, wetlands, and perennial rivers; | Yes | Part | Part |
| | <ul style="list-style-type: none"> • The discharge and accumulation of litter; | Yes | Part | Part |
| | <ul style="list-style-type: none"> • For discharges to the coastal marine area; erosion, accretion; natural character and public access | Yes | Part | Part |
| | <p>The above assessment should identify the contaminants of concern within the catchment or network, which may include finer sediments (<100um), zinc, and petroleum <i>hydrocarbons</i>. The AEE should assess land-uses with high contaminant generation potential and the effects of <i>stormwater</i> contaminants discharged to estuaries and harbours.</p> | | | |
| a (iv) | <p>The identification of potential urban growth, <i>land use intensification</i>, redevelopment and <i>regionally significant infrastructure</i> development within the catchment, taking into account the growth projections developed under the Regional Growth Strategy and related Sector Agreements produced by the Auckland Regional Growth Forum, and District Plans;</p> | Yes | Yes | Part |

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|----------|---|-------------------|--|---|
| a (v) | A classification of the <i>urban rivers and streams</i> within the catchment in accordance with Section 3.5 of this Plan; | Yes | Part | No |
| a (vi) | Governance structures and management responsibilities for <i>stormwater</i> and <i>wastewater</i> networks; | Yes | Part | Part |
| a (vii) | Significant non-network diversion and discharge activities that may have a material effect on environmental outcomes. | Yes | No | No |
| B | A description of the strategic objectives sought for the stormwater and wastewater discharges, diversions and associated activities and receiving environments, including: | | | |
| b (i) | The social, ecological, economic, amenity and cultural objectives; | Yes | Yes | Yes |
| b (ii) | The community and iwi consultation undertaken in determining the strategic objectives; | Yes | Yes | Part |
| b (iii) | Identified milestones required to achieve those objectives. | Yes | Yes | Yes |
| C | A description and consideration of the range of management options available to achieve, or progress towards, the objectives identified in (b), including: | | | |
| c (i) | Methods by which network discharges, structures and activities from <i>urban areas</i> (development, redevelopment and greenfields development) will be managed; | Yes | Yes | Yes |
| c (ii) | Methods for the management of non-network activities, such as discharges from private properties; | Yes | No | No |

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| c (iii) | District and other Plans, or other regulatory and non-regulatory means, including an assessment of the effectiveness of current Plan provisions and consideration of Plan changes or variations; | Yes | Part | Part |
| c (iv) | Education initiatives to support the management regime; | Yes | Yes | Yes |
| c (v) | Methods to avoid adverse effects occurring, such as; source control, low impact design and any innovative methods; | Yes | Yes | Yes |
| c (vi) | Methods for managing high contaminant load sources; | Yes | Yes | Part |
| c (vii) | Design standards and levels of service for the <i>network</i> | Yes | Yes | Yes |
| D | The proposed catchment or network management method(s), including: | | | |
| d(i) | The identification of the Best Practicable Option (BPO) to prevent or minimise, the adverse effects of <i>stormwater</i> or <i>wastewater</i> diversions, discharges and associated activities, including any methods to mitigate significant unavoidable adverse effects; | Yes | Yes | Yes |
| d(ii) | The methods by which; <i>network</i> interconnections, non- <i>network</i> discharges, <i>urban rivers and streams</i> [E513/04/01] and associated river and lake bed activities are proposed to be managed and integrated management will be achieved; | Yes | Part | Part |
| d(iii) | Any regulatory methods; | Yes | No | No |
| d(iv) | Any non- regulatory methods. | Yes | No | No |
| E | A description of the processes and tools to support the implementation of the ICMP or compliance with the conditions of a network consent including: | | | |
| e(i) | Methods of monitoring and reporting progress; | Yes | Yes | Part |

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|--------|---|-------------------|--|---|
| e(ii) | A prioritised programme(s) for implementing the BPO; | Yes | Yes | Yes |
| e(iii) | Operation and <i>maintenance</i> programmes to ensure the effective functioning of the management method(s); | Yes | Yes | Yes |
| e(iv) | Identification of the organisations with statutory responsibility or ability for implementing the proposed catchment management methods, and in particular those organisations: <ul style="list-style-type: none"> with sole or primary responsibility for implementation; with partial or secondary responsibility for implementation; with no responsibility for implementation. | Yes | Yes | Part |
| e(v) | A process for reviewing the catchment or network management approach based on an increased understanding of environmental responses, public health issues, community needs and network priorities. | Yes | Yes | Part |
| e(vi) | A description of the process for reviewing the <i>ICMP</i> , to reflect changes in knowledge, community aspirations, technology and other factors. | Yes | No | No |