

## CRC174865 Discharge of Stormwater to Land Application

### Adams Sawmilling Company

### LWRP Hazardous substances assessment

This report assesses the application to discharge stormwater to land against Land and Water Regional Plan(LWRP) Rules 5.179 to 5.182 covering hazardous chemicals.

#### 1 Hazardous substances stored on site

The hazardous substances stored onsite that are listed in Part A of LWRP Schedule 4 are diesel fuel and CCA (copper, chromium, Arsenic) used for the treatment of timber.

Diesel is stored in a Sebco bunded storage tank that is a permanent fixture on the ground. It is not portable in any way. The CCA chemical called Sarmix Oxcel is stored in steel tanks located within concrete bunkers that are not portable in any way. The concrete bunkers, that are required to be tested for seepage, are able to contain more than the volume of the storage tanks in the event of a leak or spillage.

#### 2 Assessment

Rule 5.179 is concerned with the use of land for the storage in a portable container and use of a hazardous substance listed in Part A of LWRP Schedule 4.

Rule 5.179 states:

*The use of land for the storage in a portable container and use of a hazardous substance listed in Part A of Schedule 4 is a permitted activity, provided the following conditions are met:*

The LWRP defines a portable container as:

*means one or more containers of petrol, kerosene or diesel used for refuelling and the container(s) is fixed to a vehicle, towed by a vehicle or transported by helicopter, but does not comprise part of the inbuilt fuel system required to power a vehicle or machine.*

This definition has been extended to also cover the storage containers for the CCA chemicals. As the hazardous substances are stored in permanent non-portable containers Rule 5.179 is not applicable to this proposed activity.

Rule 5.180 states:

*The use of land for the storage in a portable container and use of a hazardous substance listed in Part A of Schedule 4 that does not meet one or more of the conditions in Rule 5.179 is a restricted discretionary activity. The exercise of discretion is restricted to the following matters:*

As the hazardous substances are stored in non-portable containers Rule 5.180 is not applicable to this proposed activity.

Rule 5.181 is concerned with the storage and use of a hazardous substance listed in Part A of LWRP Schedule 4.:

Rule 5.181 states:

*The use of land for the storage, other than in a portable container, and use of a hazardous substance listed in Part A of Schedule 4 is a permitted activity, provided the following conditions are met:*

The hazardous substances are not stored in portable containers therefore this rule is applicable to the proposed activity.

Compliance with the conditions of Rule 5.181 is assessed in the following table.

Rule 5.181: The use of land for the storage, other than in a portable container, and use of a hazardous substance listed in Part A of Schedule 4 is a permitted activity, provided the following conditions are met:	
1. <i>The substance is approved under the Hazardous Substances and New Organisms Act 1996 and the storage and use of the substance is in accordance with all conditions of the approval; and</i>	Complies. No substances listed in Part A of Schedule 4 are stored in portable containers. The substances, diesel fuel and CCA wood treatment chemicals, are stored and used in accordance with the conditions of the approval. The CCA chemical called Sarmix Oxcel has an EPA approval number of HSR000851.
2. <i>A current inventory of all hazardous substances on the site is maintained, and a copy of the inventory shall be made available to the CRC or emergency services on request; and</i>	Complies. A inventory of all hazardous substances (diesel and CCA chemicals) is maintained. A copy will be made available to the CRC or emergency services on request.
3. <i>For hazardous substances stored or held on or over land, all areas or installations used to store or hold hazardous substances are inspected at least once per month or annually if the site is outside of any area or zone identified in a proposed or operative district plan for residential, commercial or industrial purposes and is unstaffed, and repaired or maintained if any defects are found that may compromise the containment of the hazardous substance; and</i>	Complies: The area of land on which the substances are stored in zones Business E in the Ashburton District Plan (note 1). The areas used to store the substances are inspected at least once per month, and will be repaired or maintained if any defects are found. This requirement is part of the Site Management Plan.
4. <i>For hazardous substances stored or held in a container located in or under land::</i> <i>a. if there has been any physical loss of product, then the Canterbury Regional Council shall be notified within 24 hours of confirmation of the loss; and</i> <i>b. spill kits to contain or absorb a spilled substance are located with the storage facility and use areas at all times and.</i>	Complies. .  CRC will be notified within 24 hours if there has been any physical loss of product.  Spill kits to contain or absorb a spilled substance are located on site. Sawdust will be used to absorb any substance spilled onto the land, with the sawdust removed to an approved disposal site.

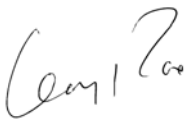
<p>5. For substances stored within a Community Drinking-water Protection Zone as set out in Schedule 1:</p> <p>(a) all hazardous substances on a site are stored under cover in a facility which is designed, constructed and managed to contain a leak or spill and allow the leaked or spilled substance to either be collected or lawfully disposed of; and</p> <p>(b) spill kits to contain or absorb a spilled substance are located with the storage facility and use areas at all times and</p>	<p>Not applicable.</p> <p>No substances listed in Part A of Schedule 4 are stored within a Community Drinking Water Protection Zone as set out in Schedule 1.</p>
<p>6. Except where the storage was lawfully established before 4 July 2004 and the maximum quantity stored has not increased since that date, or the storage relates to transformers and other equipment associated with electricity infrastructure, the substances shall not be stored within:</p> <p>(a) 20 m of a surface waterbody or a bore used for water abstraction; or</p> <p>(b) 250 m of a known active fault that has a recurrence period of less than 10,000 years, and the land is:</p> <p>(i) over an unconfined or semi-confined aquifer; or</p> <p>(ii) within 50 m of a permanently or intermittently flowing river or a lake.</p>	<p>Complies:</p> <p>The storage was lawfully established 10 2002 by resource consent CRC980561, the maximum quantity stored has not increased since that date.</p> <p>The substances are not stored within 20 m of a surface waterbody or a bore used for water abstraction</p> <p>The substances are not stored within 250 m of a known active fault that has a recurrence period of less than 10,000 years</p>

Note 1: Ashburton District Plan – Business E Zone

Business E is defined in the Plan as:

*This zone provides for medium to heavy industrial activities that may create adverse environmental effects such as high levels of noise, dust and heavy truck movements; in addition, to other activities including ancillary offices, storage and warehousing activities. Industrial activities often prefer to locate away from urban areas where reverse sensitivity may curtail opportunities for expansion and people may be affected by excessive noise and trucks accessing sites. It is nevertheless desirable for industrial activities to be located adjacent to principal road networks or railway lines that allow ease of transportation of goods without utilising local roads.*

As the proposed activity complies with the conditions of Rule 5.181 it is assessed as a permitted activity under this Rule.



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