

**BOARD OF PESTICIDES CONTROL  
APPLICATION FOR VARIANCE PERMIT  
(Pursuant to Chapter 29, Section 6 of the Board's Regulations)**

I. Robert W. Moosmann (207) 624-3107  
Name Telephone Number

Maine Department of Transportation, Bureau of Maintenance & Operations  
Company Name

16 State House Station Augusta Maine 04333-0016  
Address City State Zip

II. Area(s) where pesticide will be applied:

Selected State maintained roads and other transportation facilities such as buildings, maintenance lots, bridges, and railroads, and adjacent areas within the right of way thereof.

Selected target plants include: evergreen trees up to 3 feet high and deciduous trees up to 6 feet high; grasses and weeds in guardrail areas; grasses and weeds in pavement cracks; invasive plants; plants that present a health risk; or other plants necessary to control for transportation purposes.

III. Pesticide(s) to be applied:

Various combinations of, Garlon 4 (Triclopyr), Escort XP (Metsulfuron Methyl), or Krenite S (Fosamine Ammonium); various combinations of Accord (Glyphosate), Roundup Pro (Glyphosate), Roundup Pro Concentrate (Glyphosate), Endurance (Prodiamine), or Oust (Sulfometuron Methyl). Garlon 3A (Triclopyr) and Vanquish (dicamba).

IV. Purpose of pesticide application:

- 1). Control of woody brush on roadsides to maintain safety clear zones, sight distances, enhance winter solar access to pavement, and provide snow storage.
- 2). Control of grasses and weeds in cracks in pavement in preparation for asphalt surface treatments.
- 3). Control of grasses and weeds in guardrail areas to enhance sight distances, visibility of and access to structures, signs, and other devices.
- 4). Control of invasive plants
- 5). Control of plants that present a health risk to department or contract workers.
- 6). Control of other plants necessary to control for transportation purposes.

V. Approximate dates of spray application:

April 14, 2008 to November 30, 2008

VI. Application Equipment:

- FMC Bean Model R10 hydraulic sprayer with handgun, 500 gallon tank or equivalent
- Low pressure, low application rate, boom style applicator with flat fan nozzles, rubber shields on all 4 sides, 48 inch boom width, mounted on the rear of a side arm mower deck, designed to spray 6 inches to 1 foot off the surface.

VII. Standard(s) to be varied from:

Chapter 29 Section 6 (A)-Buffer Requirement

VIII. Reason for variance:

1).To provide control of brush, annual, or perennial plants growing within a distance from 25 feet to 10 feet from waters as defined in the regulation. Brush and other plants targeted for control will be those which impede visibility of the road, signs, guardrail, entrances, and other structures; cause shading of the road surface; are considered an invasive plant; are a health risk: or other plants necessary to control for transportation purposes.

IX. Method to assure equivalent protection:

1).Roadside brush control: continue using MDOT no-spray buffer zones, continue using tank mix particulating agent for enlarged droplet size, continue using No. 12-14 nozzle disc size for enlarged droplet size, continue to use sticker-spreader-extender to adhere spray materials to ground or leaf surface and make rain fast, continue using pump pressure of 25-125 PSI to maintain spray stream trajectory of less than 40 feet, continue to use low volatile chemical, continue to include Atlantic Salmon waters and Certified Organic farms to no-spray buffer zones, continue sending news releases to all media and affected communities in advance of applications, continue maintaining notification signage on spray trucks, continue to offer no-spray agreements. Spray when ground is dry and not saturated with water. Avoid spraying when forecasts show a threat of heavy rains. Do not spray on rainy days and cease spray operations if rain is in the immediate forecast.

2). For roadside brush and weeds: Use a low pressure, low application rate, boom style applicator with flat fan nozzles, and rubber shields on all 4 sides, 48 inch boom width, mounted on the rear of a side arm mower deck, designed to apply selective herbicides 6 inches to 1 foot off the surface. Use slow ground speed under 5 miles per hour. Herbicides will be applied at the time of mowing to freshly cut brush stubble and weeds. Primary areas of application with this apparatus will be roadsides within 10 to 12 feet from edge of pavement in areas where vegetation is now mechanically mowed. Trees cut will generally be 2 to 3 inches in caliper at the ground. Guardrails may receive this selective treatment as well if the primary objective is removal of brush behind the guardrail. Spray when ground is dry and not saturated with water. Avoid spraying when forecasts show a threat of heavy rains. Do not spray on rainy days and cease spray operations if rain is in the immediate forecast.

3.) For cracks in pavement, guardrail, invasive plants, plants that are a health risk, or other plants: use a low pump pressure of 25 to 50 PSI; use a tank mix particulating agent for enlarged droplet size, use a spray gun and spray nozzles that will produce raindrop size particles with no fine particle sizes that can drift away from target, use non volatile chemicals, use a sticker-spreader-extender to adhere spray materials to ground or leaf surface and make rain fast, send news releases to all media and affected communities, maintain notification signage on spray trucks. Spray when ground is dry and not saturated with water. Avoid spraying when forecasts show a threat of heavy rains. Do not spray on rainy days and cease spray operations if rain is in the immediate forecast.



Signed: \_\_\_\_\_ Date: 4/04/2008

Return completed form to: **Board of Pesticides Control, 28 State House Station, Augusta, ME 04333-0028**

**OR E-mail to: [pesticides@maine.gov](mailto:pesticides@maine.gov)**