



DEPARTMENT OF
ECOLOGY
State of Washington

Water Quality Program

Permit Submittal Electronic Certification

Permittee: Cowlitz County Mosquito Control District

Permit Number: WAG992010

Site Address: PO Box 1261
Longview, WA98632

Submittal Name: Annual Report

Version: 1

Due Date: 12/31/2024

Covers Year: 2024

Were any treatments done to areas covered by this permit?

Yes No

Pesticide Applicator License Number:

99922

Product	Chemical	Applied Amount	Lbs AI	Acres Treated	Treatment Range	Location	Pesticide Resistance Evidence	Results
Altosid	Has Area of Concern?	No			Has Pesticide Resistance?	No		
	Methoprene	307.580	6.4592	30.800	2024-02-01 to 2024-09-11	Mosquito habitat throughout the district of Cowlitz County. This includes tire piles, some woodland ponds, retention ponds, and ditches.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Sites were treated and monitored for emerging adult activity.
	Methoprene	38.750	0.8138	3.900	2024-04-01 to 2024-06-24	Throughout Cowlitz County Mosquito Control District in marshy ponds		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Methoprene	92.000	1.9320	9.200	2024-04-16 to 2024-06-24	Mosquito Habitat, ponds, ditches, sloughs throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Methoprene	17.500	0.3675	1.800	2024-04-25 to 2024-09-10	Tires and other artificial containers throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.

Altosid Briquets	Has Area of Concern?	No	Has Pesticide Resistance?			No		
	Methoprene	13.700	1.1809	0.200	2024-02-24 to 2024-08-27	Storm Drains and Retention ponds throught Cowlitz County Mosquito Control District.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
Anvil 10+10 ULV	Has Area of Concern?	No	Has Pesticide Resistance?			No		
	Piperonyl butoxide (PBO)	14.580	10.7892	1686.100	2024-05-08 to 2024-10-03	Adult Mosquito Emergence sites throughout Cowlitz County Mosquito Control District.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Sumithrin (d-phenothrin)	14.580	10.7892	1686.100	2024-05-08 to 2024-10-03	Adult Mosquito Emergence sites throughout Cowlitz County Mosquito Control District.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
Cocobear Larvicide Oil	Has Area of Concern?	No	Has Pesticide Resistance?			No		
	Mineral/Paraffin oil	0.500	0.3510	0.200	2024-06-20 to 2024-09-10	Mosquito habitat, ditches throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Mineral/Paraffin oil	0.100	0.0702	0.100	2024-04-02 to 2024-04-02	Mosquito Habitat, pond in Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Mineral/Paraffin oil	0.200	0.1404	0.100	2024-03-29 to 2024-08-26	Throughout Cowlitz County Mosquito Control District in tires where mosquito pupa are found.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Mineral/Paraffin oil	0.190	0.1334	0.100	2024-03-29 to 2024-04-23	Mosquito pupa habitat throughout the district of Cowlitz County. This includes tire ruts, some woodland ponds, retention ponds, and ditches.		Mosquito pupa found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
Duplex G	Has Area of Concern?	No	Has Pesticide Resistance?			No		
	Bacillus thuringiensis israelensis (BTI)	23.000	9.5404	4.600	2024-06-25 to 2024-07-17	Mosquito Habitat, ponds throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus thuringiensis israelensis (BTI)	42.000	17.4216	8.400	2024-06-18 to 2024-07-30	Mosquito Habitat, ponds throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.

Duplex G	Bacillus thuringiensis israelensis (BTI)	101.000	41.8948	17.000	2024-06-03 to 2024-09-05	Mosquito Habitat throughout Cowlitz County Mosquito Control District, sloughs, artificial containers, Ponds, diking systems.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus thuringiensis israelensis (BTI)	44.500	18.4586	8.700	2024-04-30 to 2024-08-29	Throughout the district of Cowlitz County Mosquito Control. Sites were confined to ditches and sloughs.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Methoprene	44.500	5.5180	8.700	2024-04-30 to 2024-08-29	Throughout the district of Cowlitz County Mosquito Control. Sites were confined to ditches and sloughs.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Methoprene	101.000	12.5240	17.000	2024-06-03 to 2024-09-05	Mosquito Habitat throughout Cowlitz County Mosquito Control District, sloughs, artificial containers, Ponds, diking systems.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Methoprene	42.000	5.2080	8.400	2024-06-18 to 2024-07-30	Mosquito Habitat, ponds throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Methoprene	23.000	2.8520	4.600	2024-06-25 to 2024-07-17	Mosquito Habitat, ponds throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
Natular G30	Has Area of Concern?	No	Has Pesticide Resistance?		No			
	Spinosad	22.500	0.5625	1.500	2024-04-20 to 2024-08-26	Storm Drains throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Spinosad	0.780	0.0195	0.100	2024-03-01 to 2024-09-09	Storm Drains and catch basins throughout Cowlitz County Mosquito Control District.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Spinosad	0.950	0.0238	0.100	2024-03-26 to 2024-08-13	Throughout the county in horse troughs, backhoe buckets, tire piles, and ditches.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Spinosad	2.400	0.0600	0.100	2024-03-08 to 2024-08-20	Storm Drains and catch basins throughout Cowlitz County Mosquito Control District.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.

Natular XRT	Has Area of Concern?	No	Has Pesticide Resistance?			No		
	Spinosad	13.380	0.8363	0.300	2024-06-07 to 2024-08-14	Storm Drains and Retention ponds through Cowlitz County Mosquito Control District.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
VectoLex FG	Has Area of Concern?	No	Has Pesticide Resistance?			No		
	Bacillus sphaericus (H-5a5b)	114.450	8.5838	12.700	2024-03-27 to 2024-09-11	Throughout Cowlitz County Mosquito Control District in flooded fields, clearings, and tire piles.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus sphaericus (H-5a5b)	68.250	5.1188	7.200	2024-04-04 to 2024-08-26	Mosquito Habitat, ponds, flooded fields throughout Cowlitz County Mosquito Control District.		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus sphaericus (H-5a5b)	2.000	0.1500	0.200	2024-05-13 to 2024-05-13	Mosquito Habitat, flooded forest throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
VectoMax FG	Has Area of Concern?	No	Has Pesticide Resistance?			No		
	Bacillus sphaericus (H-5a5b)	339.450	9.1652	43.200	2024-04-23 to 2024-08-28	Throughout Cowlitz County Mosquito Control District in ditches, tire piles,		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus sphaericus (H-5a5b)	266.500	7.1955	27.700	2024-03-27 to 2024-08-29	Mosquito Habitat, ponds, flooded fields throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus sphaericus (H-5a5b)	67.000	1.8090	8.300	2024-05-03 to 2024-09-12	Mosquito Habitat, ponds throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus sphaericus (H-5a5b)	36.000	0.9720	4.000	2024-06-05 to 2024-07-17	Mosquito Habitat, ponds throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus thuringiensis israelensis (BTI)	36.000	1.6200	4.000	2024-06-05 to 2024-07-17	Mosquito Habitat, ponds throughout Cowlitz County Mosquito Control District		Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.

VectoMax FG	Bacillus thuringiensis israelensis (BTI)	67.000	3.0150	8.300	2024-05-03 to 2024-09-12	Mosquito Habitat, ponds throughout Cowlitz County Mosquito Control District	Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus thuringiensis israelensis (BTI)	266.500	11.9925	27.700	2024-03-27 to 2024-08-29	Mosquito Habitat, ponds, flooded fields throughout Cowlitz County Mosquito Control District	Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus thuringiensis israelensis (BTI)	339.450	15.2753	43.200	2024-04-23 to 2024-08-28	Throughout Cowlitz County Mosquito Control District in ditches, tire piles,	Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
VectoMax WSP	Has Area of Concern?	No	Has Pesticide Resistance?		No		
	Bacillus sphaericus (H-5a5b)	0.800	0.0216	0.400	2024-08-13 to 2024-08-14	Storm Drains throughout Cowlitz County Mosquito Control District.	Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus sphaericus (H-5a5b)	7.510	0.2028	0.400	2024-08-15 to 2024-08-20	Storm Drains and catch basins throughout Cowlitz County Mosquito Control District.	Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus thuringiensis israelensis (BTI)	7.510	0.3380	0.400	2024-08-15 to 2024-08-20	Storm Drains and catch basins throughout Cowlitz County Mosquito Control District.	Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.
	Bacillus thuringiensis israelensis (BTI)	0.800	0.0360	0.400	2024-08-13 to 2024-08-14	Storm Drains throughout Cowlitz County Mosquito Control District.	Mosquitoes found met the criteria for treatment threshold according to CCMCD's Integrated Pesticide Management plan. Site was treated and monitored for emerging adult activity.

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Michael McKeague-Foster

3/18/2025

Signature

Date