



LOON LAKE SEWER DISTRICT #4
3963 CHRISTENSEN ROAD
P.O. Box 98
LOON LAKE, WA 99148-0098
PHONE: 509-233-8132
FAX: 509-233-3029
EMAIL: LLSD4BL@GMAIL.COM

District Manager: Brooke Lyons
Commissioners: Lee Evans, Len Duncan and Scott McDougall

March 11, 2025

Permit Coordinator
Department of Ecology
N. 4601 Monroe, Suite 202
Spokane, WA 99205-1295

RE: Permit #ST 8019 / Farm Management Plan for Year: 2025

Dear Charlotte,

As per the requirement of S10.A of the Loon Lake Sewer District No. 4's Permit #ST 8019, the following is the annual summary of farm operations for last year. The District executed a new farm lease with Dave Rieper, the person farming the District's land since 1992, in March 2017. Mr. Rieper has a history of farming experience and the District will continue to oversee the farming of the field as required.

The field is presently all planted in alfalfa / grass.

The District proposes the following irrigation schedule for year: 2025
based on 562,055 gallons per day, and the approved Irrigation and Crop Management Plan.

	Apr 1-30	May 1-31	Jun 1-30	Jul 1-31
Inches	0.58	3.35	4.86	6.18
Gallons	1,082,684	6,273,637	9,106,415	11,583,241
Days	2	11	16	21
	Aug 1-31	Sept 1-31	Oct 1-31	Totals
Inches	4.26	2.12	0.00	21.35
Gallons	7,979,236	3,974,787	0	40,000,000
Days	14	7	0	71

(Adjusted mg/l of nitrogen per year, based on 50% loss (the District's August 1998 Comprehensive Plan, page 11, states an average of 75% loss) = 3469 lbs / year;
loading of 50.28 lbs / acre / year on 69 acres of alfalfa and grass.

	Apr 1-30	May 1-31	Jun 1-30	Jul 1-31
N, #/A				
69 acres	1.4	7.9	11.4	14.6
	Aug 1-31	Sept 1-31	Oct 1-31	Totals
N, #/A				
69 acres	10.0	5.0	0.0	50.3

Based on the lab analyses, the nitrogen removal by crop is: 2230 pounds
 Divided by 69 acres equals 32 pounds/acre

The Nitrogen applied last year, according to our monitoring records is: 2211 pounds
 32 pounds/acre

Mr. Rieper anticipates the 1st cutting of alfalfa / grass to be the 10th of June.
 For last year, records indicate there was the following tonnage of crop: 67
 This year, Mr. Rieper is planning to cut the following acres of alfalfa/grass mix: 69
 We estimate the total tons of crop that will be cut to be: 120

We look forward to reviewing any questions or concerns you may have regarding the District's proposed farm management plan for this year.

Sincerely,

Brooke Lyons

Brooke Lyons
 District Manager
 Loon Lake Sewer District No. 4

cc: Allison Esvelt, Esvelt Environmental Engineering
 Jim Gleton, Soil Conservation Service