

IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY

REUSE PERMIT

M-256-01 – Modification 1

Permittee Name: Syringa Mobile Home Park

Effective Date of this Modification: July 8, 2019

Complete Description of Modification

The purpose of this Permit Modification is to modify the crop allowed and corresponding growing and non-growing season. On July 3, 2019, the permittee requested crop or vegetation allowed by the permit in Section 4.5 be modified from 'spring grain' to 'grass'. The purpose of this crop change is to allow for irrigation later into the summer and early fall which can be better accommodated by turf grass when managed correctly. The site currently supports a mix of native grasses and will be supplemented with turf grass seed by the permittee prior to commencing irrigation. To date, the permittee has not initiated irrigation at the site; because of this July through October will be utilized for analysis of the irrigation water requirement (IWR). A summary of the IWR is shown below in Table 1, and indicates that approximately 3.8 to 5.4 million gallons (Mgal) could be irrigated at the site between July and October. Estimated nutrient loadings remain unchanged and below estimated vegetation uptake.

Table 1: Irrigation Water Requirement

Turf Grass ^a		Units	Apr	May	Jun	Jul	Aug	Sep	Oct	Max Irr Remaining (Mgal) ^b
20 % Exceedance (Dry, Hot)	Pdef	in/day	0.06	0.14	0.17	0.24	0.22	0.16	0.04	
	IWR (e=75%)	in/mon	2.44	5.59	6.99	9.76	8.88	6.30	1.61	
		Mgal/Mon	0.53	1.21	1.52	2.12	1.93	1.37	0.35	5.42
Mean (Normal)	Pdef	in/day	0.04	0.10	0.15	0.21	0.19	0.13	0.01	
	IWR (e=75%)	in/mon	1.64	3.87	6.05	8.60	7.73	5.04	0.52	
		Mgal/Mon	0.36	0.84	1.31	1.87	1.68	1.09	0.11	4.64
80 % Exceedance (Cold, Wet)	Pdef	in/day	0.00	0.05	0.13	0.19	0.16	0.10	0.00	
	IWR (e=75%)	in/mon	0.17	1.83	5.04	7.51	6.38	3.95	0.00	
		Mgal/Mon	0.04	0.40	1.09	1.63	1.39	0.86	0.00	3.88

^a Data from ET Idaho at Moscow weather station USC00106152 <http://data.kimberly.uidaho.edu>

^b Maximum irrigation remaining excludes growing season prior to permit modification.

The permit is hereby modified as shown below:

1. **Section 4.5. Other Permit Limits and Conditions** line one, two, three, and six of Section 4.5 of the permit shall be replaced with the following:

Category	Permit Limits and Conditions
Growing season	April 1 through October 31 (213 days)
Nongrowing season	November 1 through March 31 (151 days)
Reporting year for annual loading rates	November 1 through October 31
Crop or vegetation allowed	Turf Grass

Permit Modification 1 is hereby approved. This modification to the permit is incorporated into, and constitutes a part of, Reuse Permit No. M-256-01. This permit modification must be attached to the permit. The permit is incomplete under IDAPA 58.01.17, *Recycled Water Rules*, without this permit modification attached.

Signed,



John Cardwell
Regional Administrator
Lewiston Regional Office
Department of Environmental Quality

July 8, 2019
Date