



**COUNTY OF INYO
WATER DEPARTMENT**

(760) 878-0001
FAX: (760) 878-2552

EMAIL: mail@inyowater.org
WEB: <http://www.inyowater.org>

P.O. Box 337
135 South Jackson Street
Independence, CA 93526

October 1, 2021

Lori Dermody,
Los Angeles Department of Water and Power
300 Mandich Street
Bishop, Ca 93514

Lori,

Inyo's calculations of adjusted AWC from the neutron probe monitoring program and DTW are summarized on the Excel file attached to the email transmittal of this letter sent today. Soil water data were collected from September 23-30, 2021. Attached also are the October 1st water balance calculations per Green Book Section III. No sites changed status.

Sincerely,

A handwritten signature in blue ink, appearing to read "Keith Rainville".

Keith Rainville
Inyo County Water Department

Soil Moisture and On/Off Status

As of September 30, 2021

Site	Date	VWR Oct. 1, 2021	Adj AWC	DTW	On/Off Status	Comments
			(cm)	(m)		
LW1	9/23/2021	8.2	27.4	6.462	ON	
LW2	9/23/2021	5.0	35.5	6.940	ON	
LW3	9/23/2021	11.9	8.0	6.101	ON	
BC1	9/23/2021	12.6	46.8	3.292	NA	
BC2	9/23/2021	8.0	34.5	4.889	NA	
BC3	9/23/2021	14.1	30.2	2.377	NA	
BP1	9/23/2021	8.1	22.2	2.523	ON	
BP2	9/23/2021	5.7	1.5	5.922	OFF (28.4)	
BP3	9/27/2021	6.8	60.5	3.215	ON	
BP4	9/27/2021	6.6	61.3	3.481	ON	
TA1	9/28/2021	NA	NR	2.884	NA	
TA3	9/28/2021	7.4	10.1	5.646	OFF (28.4)	
TA4	9/27/2021	5.7	15.8	3.013	ON	
TA5	9/27/2021	1.6	19.8	4.950	ON	
TA6	9/28/2021	6.5	17.4	3.371	ON	
TAC	9/27/2021	19.8	68.1	1.823	NA	
TS1	9/29/2021	9.6	6.7	4.934	OFF (28.9)	
TS2	9/29/2021	5.4	13.1	3.655	ON	
TS3	9/29/2021	6.3	16.1	4.136	ON	
TS4	9/28/2021	20.0	35.9	2.663	ON	
TS6	9/30/2021	NA	6.1	5.726	NA	
TSC	9/28/2021	5.8	46.0	2.016	NA	
IO1	9/27/2021	15.8	20.1	4.150	OFF (42.2)	
IO2	9/27/2021	1.0	2.8	8.295	OFF (3.9)	
IC1	9/29/2021	8.0	23.9	1.845	NA	
IC2	9/29/2021	2.2	17.4	2.746	NA	
SS1	9/29/2021	4.3	24.2	5.588	OFF (34.0)	
SS2	9/30/2021	0.6	2.5	7.100	OFF (25.6)	
SS3	9/30/2021	5.2	27.0	4.376	ON	
SS4	9/30/2021	2.4	8.1	6.773	OFF (15.9)	
BG2	9/30/2021	1.4	26.2	5.239	ON	
BGC	9/30/2021	7.3	27.1	3.618	NA	

NR: Not Read (not collected)

NA: Not applicable

VWR: Vegetation Moisture Requirement

Adj AWR: Adjusted Available Water Content

DTW: Depth to water from RP

Monitoring site status and soil/vegetation water balance calculations for Oct. 1, 2021 according to Green Book, Section III.

Site	July 1, 2021 Status	October 2021 Veg. Water Req./Soil AWC for turn-on	October 2021 soil AWC	+50% annual ppt.	October 1, 2021 Status	Soil AWC req. for well turn-on
		(cm)	(cm)	(cm)		(cm)
L1	ON	8.2/NA	27.4	$27.4 + 7.9 = 35.3$	ON	NA
L2	ON	5.0/NA	35.5	$35.5 + 7.9 = 43.4$	ON	NA
L3	ON	11.9/NA	8.0	$8.0 + 7.9 = 15.9$	ON	NA
BP1	ON	8.1/NA	22.2	$22.2 + 7.9 = 30.1$	ON	NA
BP2	OFF	5.7/28.4	1.5	NA	OFF	28.4, OFF 7-98
BP3	ON	6.8/NA	60.5	$60.5 + 7.6 = 68.1$	ON	NA
BP4	ON	6.6/NA	61.3	$61.3 + 8.2 = 69.5$	ON	NA
TA3	OFF	7.4/28.4	10.1	NA	OFF	28.4, OFF 10-17
TA4	ON	5.7/NA	15.8	$15.8 + 7.3 = 23.1$	ON	NA
TA5	ON	1.6/NA	19.8	$19.8 + 8.2 = 28.0$	ON	NA
TA6	ON	6.5/NA	17.4	$17.4 + 7.3 = 24.7$	ON	NA
TS1	OFF	9.6/28.9	6.7	NA	OFF	28.9, OFF 7-17
TS2	ON	5.4/NA	13.1	$13.1 + 7.3 = 20.4$	ON	NA
TS3	ON	6.3/NA	16.1	$16.1 + 7.3 = 23.4$	ON	NA
TS4	ON	20.0/NA	35.9	$35.9 + 7.3 = 43.2$	ON	NA
IO1	OFF	15.8/42.2	20.1	NA	OFF	42.2, OFF 10-98
IO2	OFF	1.0/3.9	2.8	NA	OFF	3.9, OFF 7-20
SS1	OFF	4.3/34.0	24.2	NA	OFF	34.0, OFF 7-17
SS2	OFF	0.6/25.6	2.5	NA	OFF	25.6, OFF 7-11
SS3	ON	5.2/NA	27.0	$27.0 + 6.5 = 33.5$	ON	NA
SS4	OFF	2.4/15.9	8.1	NA	OFF	15.9, OFF 7-05
BG2	ON	1.4/NA	26.2	$26.2 + 6.6 = 32.8$	ON	NA

Site	June 2021 On/Off Status	July 2021 Vegetation Water Requirement	July 2021 Required Soil AWC For Turn-On	July 2021 Actual Soil AWC	July 2021 On/Off Status
LW 1	ON	4.6	NA	33.6	ON
LW 2	ON	2.8	NA	39.3	ON
LW 3	ON	6.5	NA	14.6	ON
BP 1	ON	4.4	NA	12.0	ON
BP 2	OFF	3.1	28.4	1.9	OFF (7/98)
BP 3	ON	3.9	NA	59.5	ON
BP 4	ON	3.7	NA	63.8	ON
TA 3	OFF	4.0	28.4	11.7	OFF (10/17)
TA 4	ON	3.1	NA	18.0	ON
TA 5	ON	0.9	NA	19.8	ON
TA 6	ON	3.5	NA	19.3	ON
TS 1	OFF	5.1	28.9	7.9	OFF (7/17)
TS 2	ON	3.0	NA	15.3	ON
TS 3	ON	3.4	NA	18.2	ON
TS 4	ON	11.0	NA	40.7	ON
IO 1	OFF	8.5	42.2	22.8	OFF (10/98)
IO 2	OFF	0.6	3.9	2.9	OFF (7/20)
SS 1	OFF	2.4	34.0	25.0	OFF (7/17)
SS 2	OFF	0.3	25.6	2.6	OFF (7/11)
SS 3	ON	2.8	NA	30.5	ON
SS 4	OFF	1.3	15.9	8.3	OFF (7/05)
BG 2	ON	0.8	NA	27.9	ON