State of California - Department of Transportation

MATERIAL PLANT QUALITY PROGRAM

MPQP

AC, Rubber, Lime Slurry, Water & Other Continuous Mixing Operations

- reference scale units, weighbelt: pounds
- reference scale units, meter: pounds
- average calibration error, weighbelt: 0.921 %
- average calibration error, meter: 0.4549 %
- specific gravity: N/A

spg source:

Report Number: 16-60

District: 01

inspected by: L. Lee/ G. Thorpe

plant owner: Kernen Construction

plant location: 1195 hatchery Rd. Blue Lake

plant type: Continuous

scale agency: Humboldt Co. Wts and Andre

inspection date: 6/29/2016

Weighbelt Calibration

Test Number		1	2	3	4	5	6	7	8	9	10	11	12
Type of Material		AGG	AGG	AGG		RAP	RAP	RAP					
Test Length (min.)		6.50	4.00	3.00		9.00	6.00	5.00					
Displayed Rate (TPH)		126	193	291		40.5	66.8	81					
Calculated Rate (TPH)		125.91	192.60	291.60		40.47	66.80	81.24					
Actual Weight (lbs or tons)	Gross	49060	47440	50980		33780	35020	35200					
	Tare	21780	21760	21820		21640	21660	21660					
	Net	27280.00	25680.00	29160.00		12140.00	13360.00	13540.00					
Aggregate Tons, Actual		13.64	12.84	14.58	0.00	6.07	6.68	6.77	0.00	0.00	0.00	0.00	0.00
Tons Metered		13.394	12.952	14.827		6.034	6.668	6.796					
Error		-0.25	0.11	0.25	0.00	-0.04	-0.01	0.03	0.00	0.00	0.00	0.00	0.00
Percent Error		-1.804	0.872	1.694		-0.593	-0.180	0.384					
Span Used		10.514	10.964	11.233		27.2299	27.3294	27.2954					
Calculated Span		10.7071	10.8692	11.0459		27.3924	27.3786	27.1910					
Useability		Acceptable	Acceptable	Acceptable		Acceptable	Acceptable	Acceptable					
Mark If Used *		*	*	*		*	*	*					

Meter Calibration

Type of Liquid		AC	AC	AC									
Test Length (min.)		5.49	4.05	2.5									
Displayed Rate (TPH)		10	14	21									
Calculated Rate (TPH)		10.97	14.84	24.65		?	?	?					
Actual Weight (lbs or tons)	Gross	4007	4004	4054									
	Tare	2000	2000	2000									
	Net	2007.00	2004.00	2054.00									
Asphalt Tons, Actual		1.0035	1.002	1.027	0	0	0	0	0	0	0	0	0
Gallons Metered													
Tons Metered		0.999	0.997	1.023									
Error		-0.0046	-0.0051	-0.0041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Percent Error		-0.4584	-0.5070	-0.3992	?	?	?	?					
Span Used		3.552	4.432	6.221									
Calculated Span		3.5684	4.4546	6.2459	?	?	?	?					
Useability		Acceptable	Acceptable	Acceptable	VOID	VOID	VOID	VOID					
Mark If Used *		*	*	*									
Run Note	CRT												

Comments on Indiviual Calibration Runs

A/C meter replaced from 1.5 inch to 3.0 inch certify new micro-motion meter
Interlocks O.K. Printer O.K.
Plant Certified for State Use.
Interlocks O.K.
Printer O.K.

AGG

Belt Scale Zero	=	302
Belt Speed Factor	=	7.195
Minimum TPH	=	10.00
Averaging Time	=	3
Zeroing Time	=	161
% Moisture	=	1.70
Pulses/Ton	=	10.0

A/D	S.Fact	Cmpu T	Actu T	% Err	TPH	Date	Time
922	10.2421	10.514	9.130	15.16	118.63	05/02/16	11:46
1540	10.3169	10.964	10.940	0.22	236.10	05/02/16	12:34
1822	10.0193	11.233	11.140	0.84	280.25	05/02/16	13:23

REC RAP

Belt Scale Zero	=	182
Belt Speed Factor	=	7.551
Minimum TPH	=	10.00
Averaging Time	=	3
Zeroing Time	=	20
% Moisture	=	2.50
% A/C	=	4.69
Pulses/Ton	=	10.0

A/D	S.Fact	Cmpu T	Actu T	% Err	TPH	Date	Time
128	27.2299	5.381	5.340	0.76	40.71	08/12/16	09:20
190	27.3294	6.087	6.060	0.45	67.93	08/12/16	09:46
216	27.2954	6.310	6.270	0.63	83.22	08/12/16	08:53

A/C1

A/C Density	=	9.6299
Minimum TPH	=	0.02
Maximum TPH	=	16.00
Damping Factor	=	2.000
Error Factor	=	1.000
Averaging Time	=	3
Pulses/Ton	=	10.0

Freq	S.Fact	Cmpu T	Actu T	% Err	TPH	Date	Time
7	*******	3.552	4.000	-11.21	8.43	06/29/16	15:18
10	*******	4.432	4.420	0.28	11.54	06/29/16	14:10
20	*******	6.221	6.136	1.38	22.07	06/29/16	14:46