KAISER ALUMINUM

Best in Class

Flat Rolled Products

Trentwood Works

July 10, 2018

Mr. Pat Hallinan
Department of Ecology
4601 N Monroe
Spokane, WA 99205-1295

RE: Kaiser Trentwood
NPDES Permit No. WA0000892

Dear Mr. Hallinan:

As reported by e-mail on July 10, 2017, pH readings at Outfall 001 were recorded at 5.9 during the period from June 24th to June 29th. Attached are the pH data plots from the database system for the period.

In preparing the June Discharge Monitoring Report (DMR), it was discovered that on June 24th the pH level in Outfall 001 dropped from 6.2 to 5.9 within a two minute time interval (15:14 to 15:16) and then remained at that level until June 29th when the pH level increased from 5.9 to 6.2 within a two minute interval (02:31 to 02:33).

As a follow-up to this discovery, the following are the results of the July 6th investigation that was conducted:

- A review of the operators logs for the 24th and 29th did not reference any abnormal conditions
- No calibration of the pH probe was made on either the 24th or the 29th that could have resulted in an offset having occurred
- The calibration solutions, pH 4 and pH 10, had not exceeded their shelf life
- Field pH checks had been conducted daily, but the field checks involved the use of pH test strips with limited accuracy as compared to a calibratable field hand held pH meter

Based upon the results of the investigation, the purchase of a calibratable field hand held pH meter is in progress. This meter will replace the use of pH test strips. The Standard Operating Procedure (SOP) for pH field verifications will also be reviewed and revised as appropriate.

If you should have any questions, please feel free to contact me at (509) 927-6554.

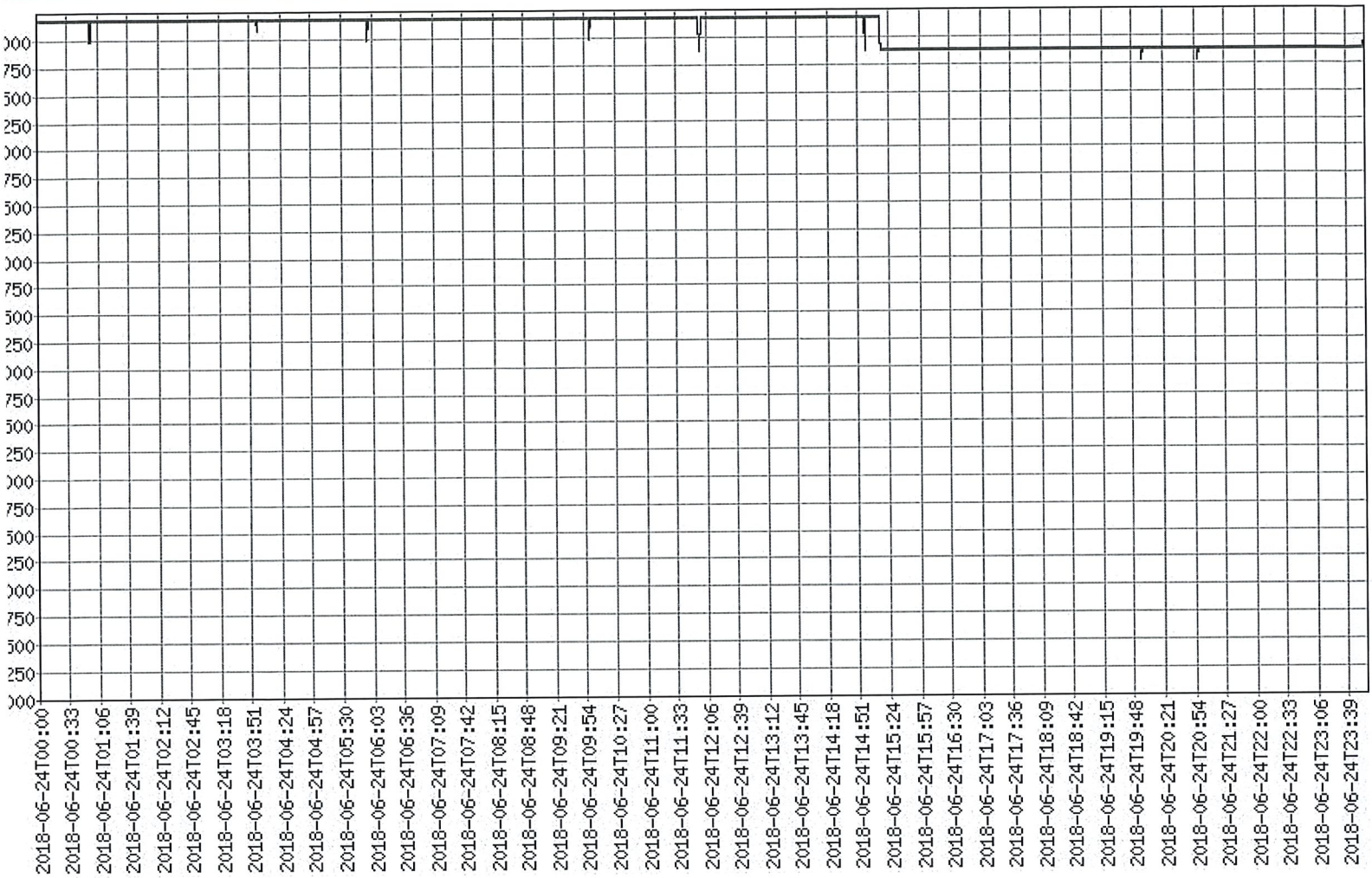
Sincerely,

Bernard P Leber, Jr.
Environmental Engineering Manager

P.O. Box 15108
Spokane Valley, WA 99215-5108

tilities Data Trend

W_OF1_ph_ISL(pH)

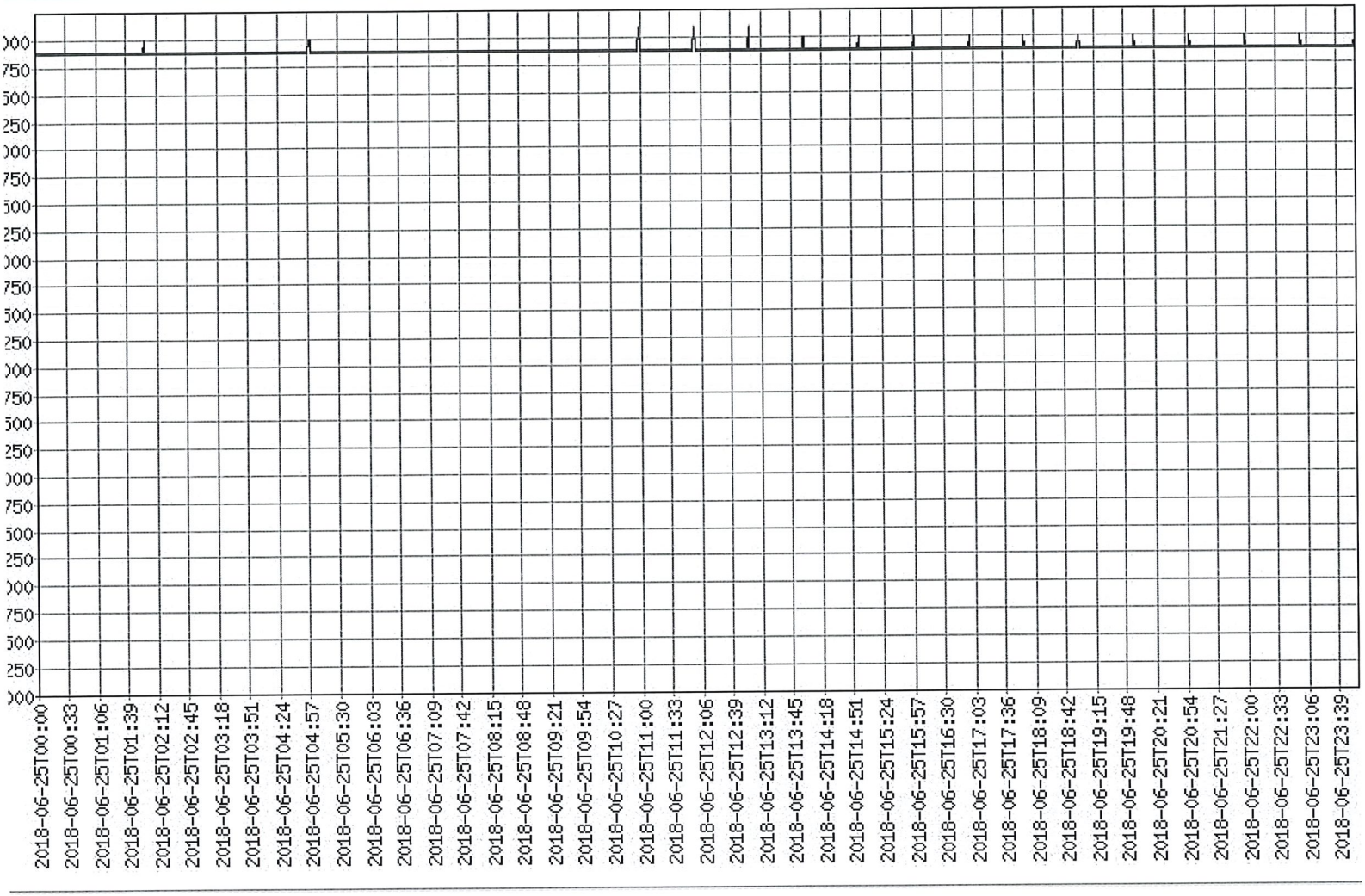


umber of data periods (timestamps): 1440

ag	values	total	average	minimum	maximum	null data at
/W_OF1_ph_ISL	1440	8768	6.090	5.800	6.200	

tilities Data Trend

W_OF1_ph_ISL(pH)

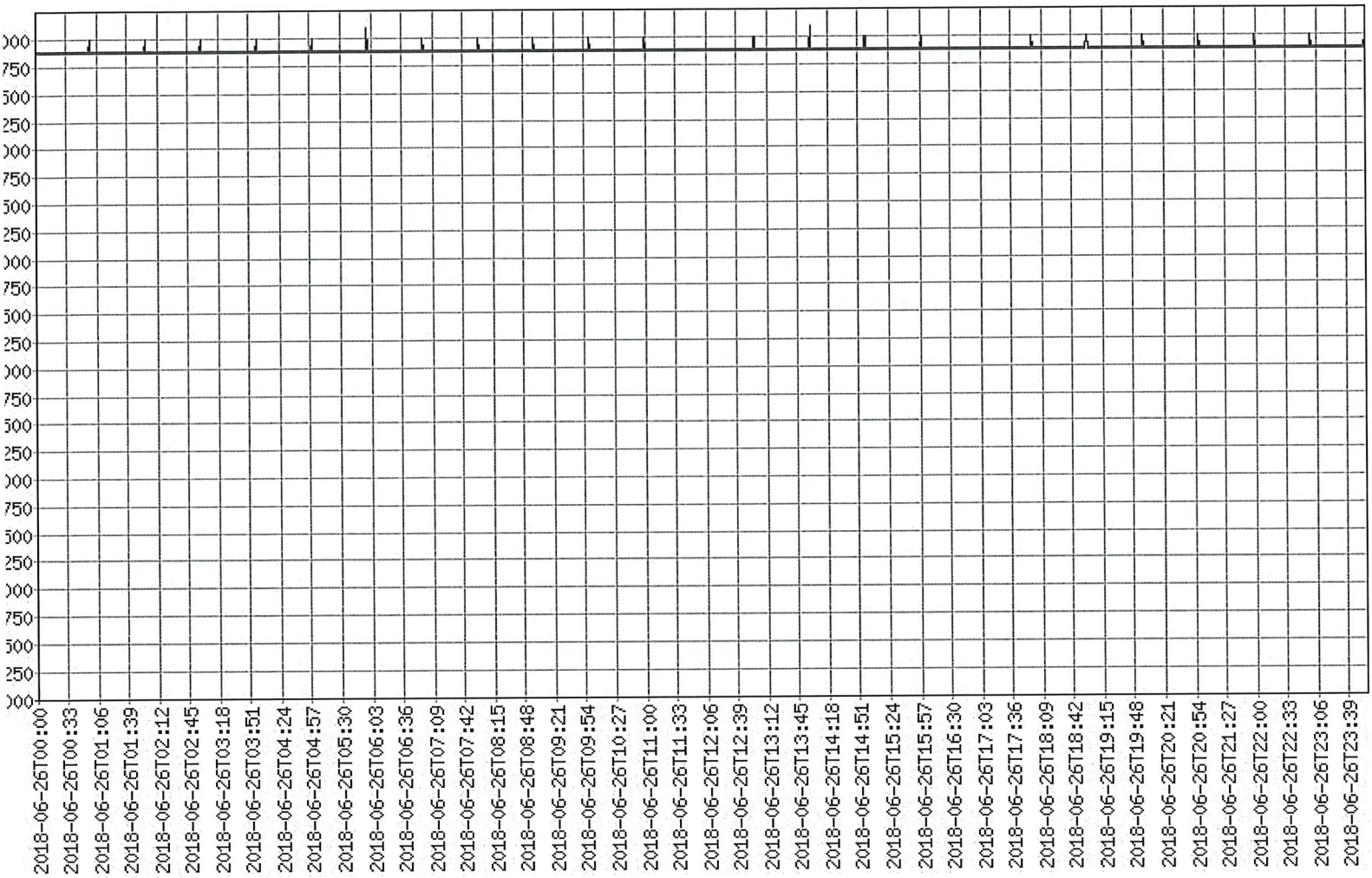


umber of data periods (timestamps): 1440

ag	values	total	average	minimum	maximum	null data at
/W_OF1_ph_ISL	1440	8498	5.902	5.900	6.100	

tilities Data Trend

W_OF1_ph_ISL(pH)

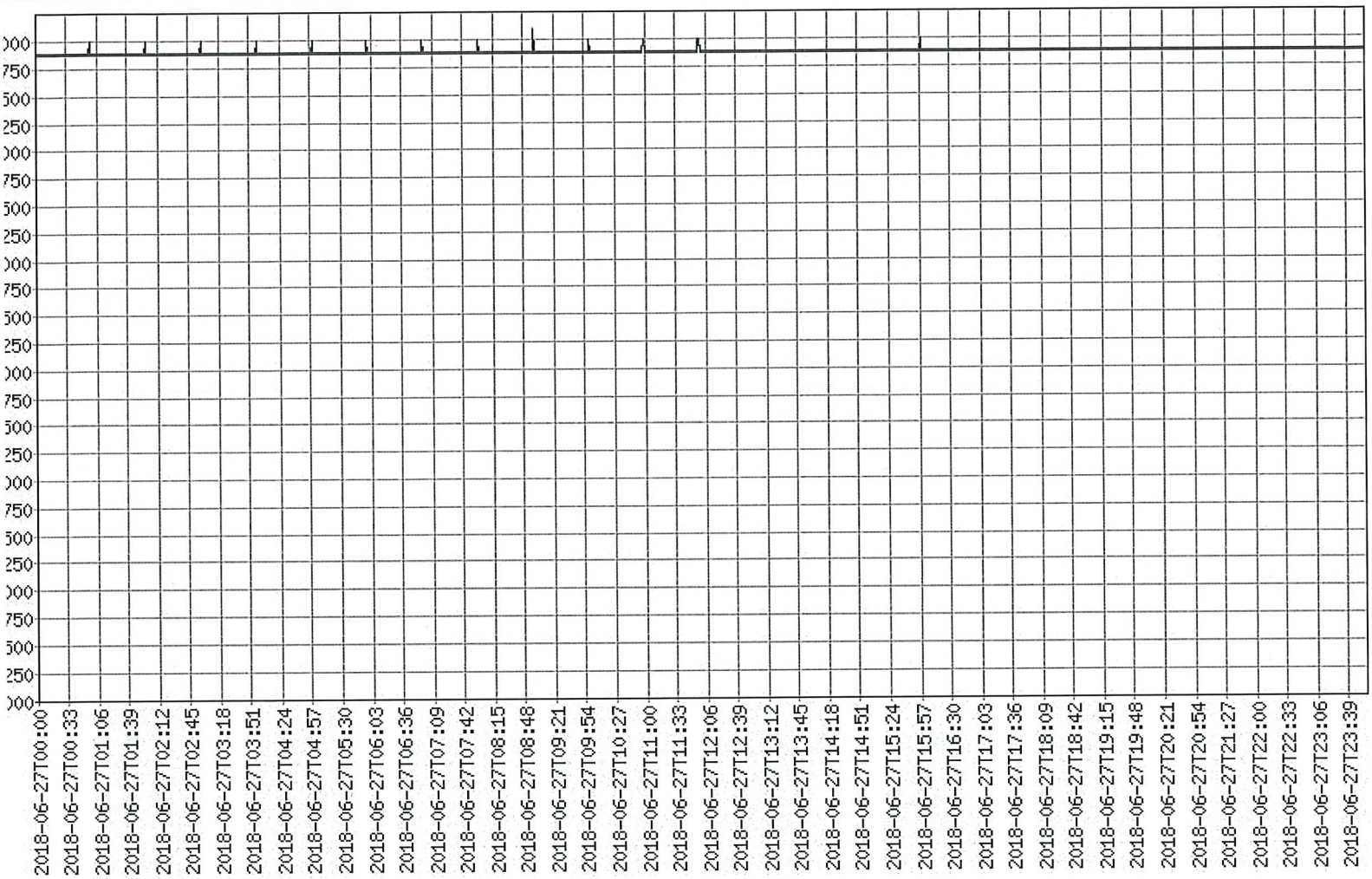


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tilities Data Trend

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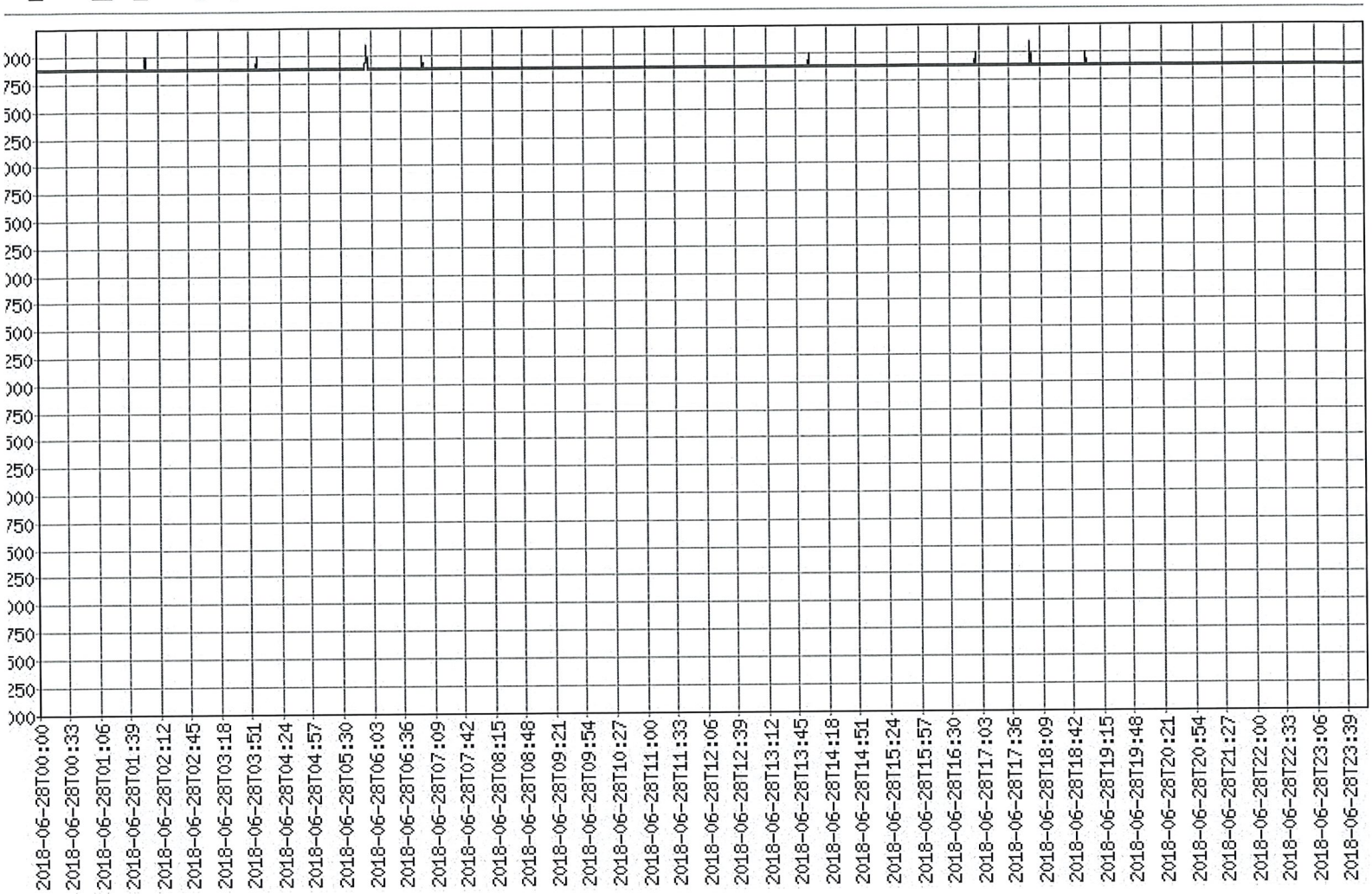


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tilities Data Trend

W_OF1_ph_ISL(pH)

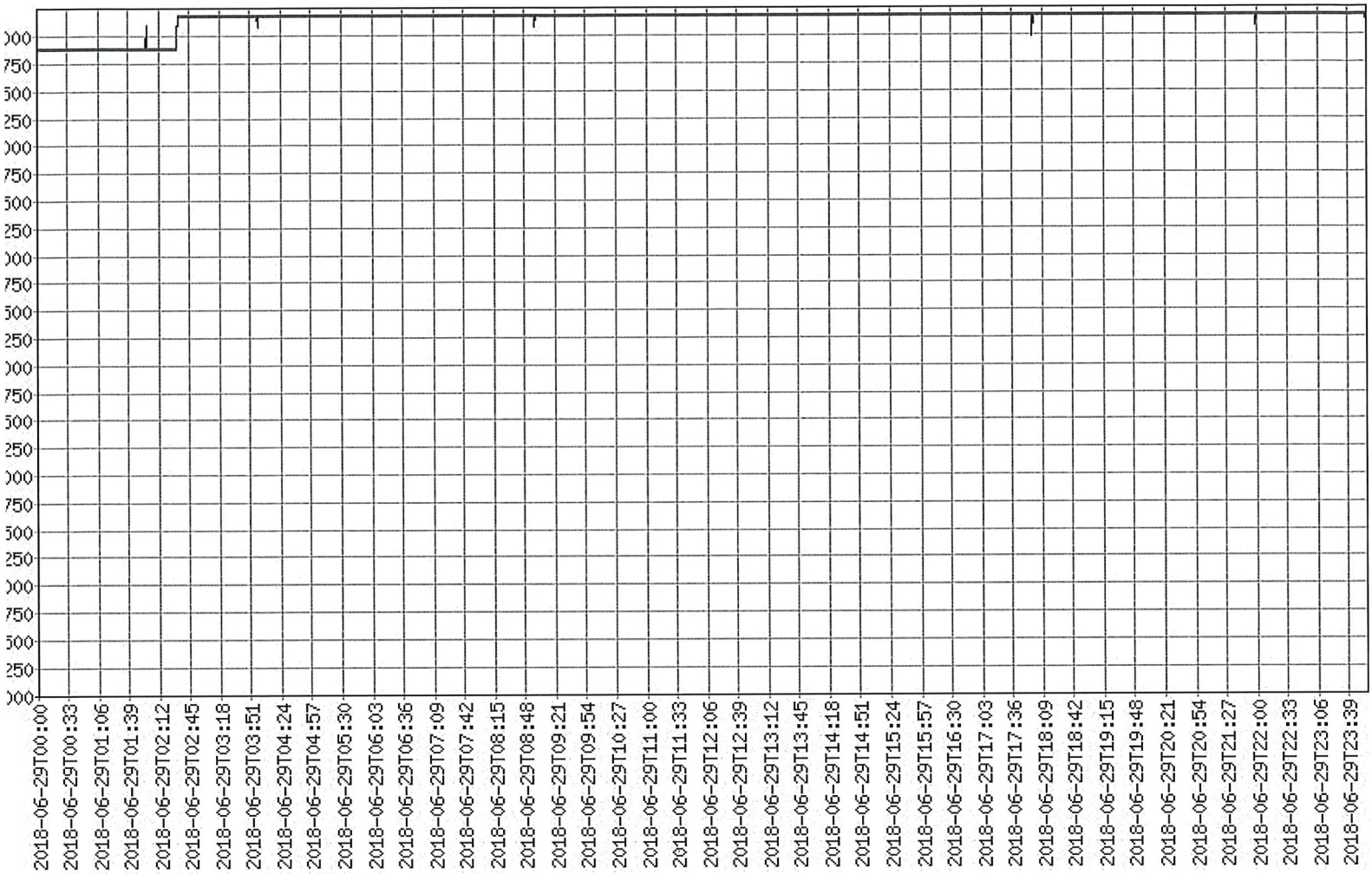


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tilities Data Trend

W_OF1_ph_ISL(pH)



umber of data periods (timestamps): 1440

ag	values	total	average	minimum	maximum	null data at
/W_OF1_ph_ISL	1440	8881	6.168	5.900	6.200	