# Table 1

Summary of CLAM Sampler Performance and Sample Volumes

Kaiser Aluminum Trentwood Facility

Spokane Valley, Washington

| CLAM Sampler Retrieval Date | Sample Location | CLAM Sampler Retrieval Time | Deployment Time Period (min) | CLAM Sampler Flow Rate at Deployment (ml/min) | CLAM Sampler Flow Rate at Retrieval (ml/min) | Estimated CLAM Performance Based on Deployment/Retrieval Flow Rates | | CLAM Performance Based on Captured Water | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Estimated Average Daily Flow Rate[1] (ml/min) | Calculated Sample Volume[2] (L) | Weight of Water Collected[3] (lb) | Density of Water Collected[4] (lb/L) | Actual Sample Volume[5] (L) | Average Daily Flow Rate[6] (ml/min) |
| 10/2/2013 | TOF Inlet | 8:55 AM | 1440 | 52 | 14 | 33 | 47.52 | NA[5] | NA[5] | NA[5] | NA[5] |
| 10/3/2013 | TOF Inlet | 9:11 AM | 1440 | 58 | 0 | 29 | 41.76 | NA[5] | NA[5] | NA[5] | NA[5] |
| 10/4/2013 | TOF Inlet | 9:31 AM | 1440 | 60 | 4 | 32 | 46.08 | NA[5] | NA[5] | NA[5] | NA[5] |
| 10/2/2013 | Outfall 001 | 9:26 AM | 1440 | 76 | 10 | 43 | 61.92 | 168.58 | 2.20 | 76.63 | 53.21 |
| 10/3/2013 | Outfall 001 | 9:50 AM | 1450 | 62 | 26 | 44 | 63.80 | 191.57 | 2.21 | 86.68 | 59.78 |
| 10/4/2013 | Outfall 001 | 10:26 AM | 1440 | 66 | 6 | 36 | 51.84 | 153.87 | 2.21 | 69.62 | 48.35 |

Notes:

[1]Estimated flow rate during period of deployment based on average flow rates measured at deployment and retrieval.

[2] Estimated total volume of water pumped through CLAM sampler based on total deployment time and estimated average flow rate.

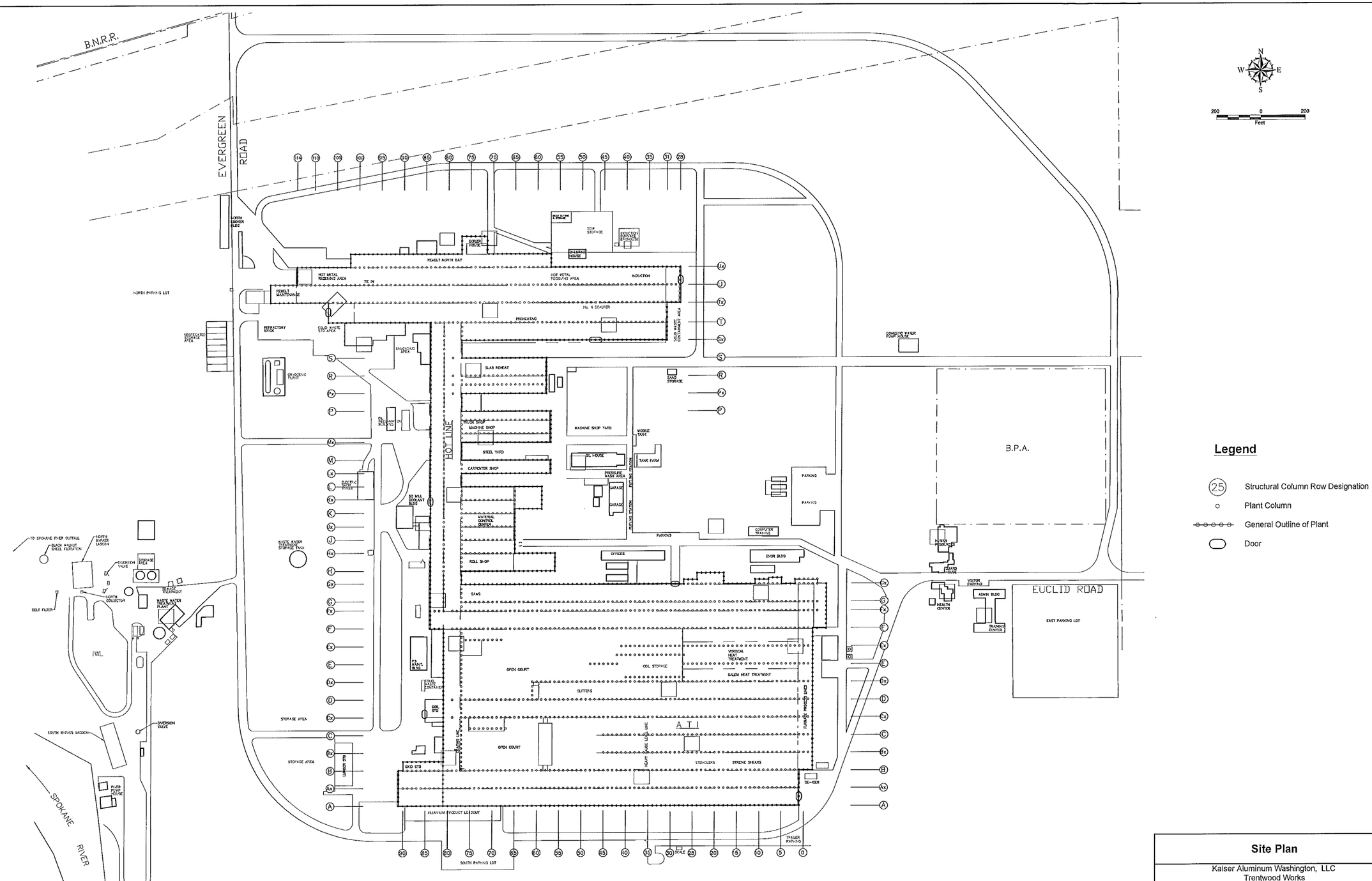
[3]Weight of water pumped through CLAM sampler at Outfall 001 sample house.

[4]Density of water pumped through CLAM sampler at Outfall 001 sample house.

[5]Sample volume pumped through the CLAM sampler based on weight of water collected and the density of water collected.

[6]Average flow rate during period of deployment based on sample volume pumped through the CLAM sampler and total deployment time.

ml/min = milliliters per minute




## Legend

- (25) Structural Column Row Designation
- ○ Plant Column
- General Outline of Plant
- Door

Notes:
1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Reference: Base drawing dated 01/24/02, provided by Kaiser Aluminum.

**Site Plan**

Kaiser Aluminum Washington, LLC
Trentwood Works
Spokane Valley, Washington

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