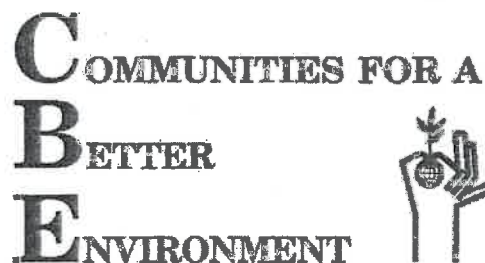


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7 January 2013

Clerk of the Board
Contra Costa County Board of Supervisors
651 Pine Street, Room 106
Martinez, CA 94553

Attention: Tiffany Lennear (Tiffany.Lennear@cob.cccounty.us)



Appeal of Environmental Impact Report and Land Use Permit Filed 2 Dec 2013:

Phillips 66 Company Propane Recovery Project, Environmental Impact Report (EIR) and Land Use Permit, EIR SCH #2012072046, County File LP12-2073;

Communities for a Better Environment (CBE) Supplemental Evidence-B

Dear Clerk of the Board,

In support of our appeal, CBE respectfully submits flow and heat data reported by Phillips 66 for once-through cooling (OTC) at Rodeo. This new evidence is appended hereto as Attachment 3.

OTC is an antiquated industrial cooling technology that is no longer used by any other Bay Area oil refinery.¹ The state has ordered Phillips 66 to investigate replacing OTC with modern cooling technology, and Phillips has submitted a report indicating that this is feasible.¹ The proposed project would instead expand the Rodeo OTC system, increasing its San Francisco Bay water flow to 57.6 million gallons per day (MGD).² OTC harms aquatic organisms by sucking them into the industrial plants cooled by the water they live in (entrainment), pinning them against the water intake screens (impingement), and degrading their habitat via the discharge of the heated water as thermal waste.¹ The severity of these impacts is related to the amount of water drawn for cooling and discharged as thermal waste. Thus, an accurate evaluation of potential impacts from continuing and expanding this use of Bay water requires an accurate estimate of current "baseline" OTC flow. However, the EIR fails to include data Phillips reported from monitoring OTC flow.¹ Therefore, the evidence given in Attachment 3 is relevant to review of this project.

¹ CBE documented these facts previously. See esp. Karras Report at 14-21 and NPDES permit, Phillips Cooling Tower, and Regional Monitoring Program attachments thereto. The EIR's omission of these facts, and its deferral of analysis and mitigation to future state (RWQCB) actions, are improper.

² See DEIR at 3-27 (project proposes ≈40,000 gallons per minute, or 57.6 MGD).

7 January 2013

**CBE Appeal Supplemental Evidence–B
(SCH#2012072046; LP12-2073)**

Page Two

In particular, the EIR asserts that a single recent year represents an accurate baseline for OTC average flow;³ that this flow baseline is ≈ 45.4 MGD;⁴ that the project will increase OTC flow from this baseline by $\approx 25\%$;⁵ and that this flow increase ($+25\%$) is not underestimated because, it asserts, this baseline (45.4 MGD) is not overestimated.³ None of these assertions is supported by any data that is included in the EIR, which excludes OTC monitoring data Phillips reported as well as Regional Water Quality Control Board (RWQCB) permit findings based on those data. Further, each of these conclusory assertions is contradicted by those data, as discussed below.

The Rodeo OTC Data

Phillips 66 is required to study and monitor Rodeo facility activities that may affect water quality and report results to the RWQCB.⁶ Among other things, Phillips is required to report results of direct measurements, taken daily by specified methods, of flow and temperature at outfall E-003, the discharge carrying OTC flow and heat to the Bay.⁶ Pursuant to the California Public Records Act, CBE reviewed those daily monitoring results submitted by Phillips to the RWQCB for the period from 1 January 2010 through 30 November 2013, the most recent 47 months reported.⁷ These data, along with summary values based on Phillips' past reports that the RWQCB included in permit findings,⁸ are given in Attachment 3 and summarized in Chart S-1.

EIR OTC Baseline Errors

Rodeo OTC flow (0–63.4 MGD daily avg.) and discharge temperature (52.4–109 °F daily max.) range widely and vary daily, seasonally, and year-to-year.⁹ See Chart S-1, Plate A. Thus, an accurate estimate of baseline conditions must account for multiple years. Therefore, the EIR's assertion that a single year represents an accurate baseline for OTC average flow is in error.

Multi-year average OTC flows calculated from Phillips' monitoring data since 2009 range from ≈ 35 MGD (2005–2009) to ≈ 39 –41 MGD (three-year running avg. as of Jan–Nov 2013).⁹ See Chart S-1, plates B and C. Thus, the 45.4 MGD OTC average flow baseline claimed by the EIR overestimates all recently observed multi-year average flows. Therefore, the EIR's unsupported assertion that it does not overestimate baseline OTC flow—and does not thereby underestimate the OTC flow increase—is contradicted by available data that the EIR has failed to disclose.

³ FEIR at 3.2-135, 3.2-137.

⁴ DEIR at 3-27 (the EIR asserts a baseline of $\approx 31,500$ gallons per minute, or 45.4 MGD).

⁵ DEIR at 4.4-22, 4.4-27, 4.10-22; FEIR at 3.2-122, 3.2-136, 3.2-138.

⁶ NPDES Permit Order R2-2011-0027; see esp. required monitoring, Finding II.B.2. Non-OTC water is only 0.65 MGD of E-003 average flow (Finding II.B.2), and is excluded from OTC flow analysis herein.

⁷ All of these daily records were reviewed except for those from June 2011: the data from this month was missing from RWQCB records, according to RWQCB staff aiding CBE's records review on 18 Dec 2013.

⁸ These findings were submitted previously: see Karras Report Att. "NPDES Permit R2-2011-0027."

⁹ See Attachment 3. Also important, temperature increased recently along with flow (see Chart S-1, plates A and B). The recent daily maximum of 109 °F exceeds the 105.4 °F maximum reported by the EIR (DEIR at 4.4-27, 4.10-22). This compares with Bay temperatures ≈ 55 °F (see Karras Report) and further suggests that the EIR underestimates OTC impacts. The EIR's assertion of "continued compliance" with water quality requirements (DEIR at 4.10-22; FEIR at 3.2-122, 3.2-125, 3.2-137, 3.2-138) is unsupported.

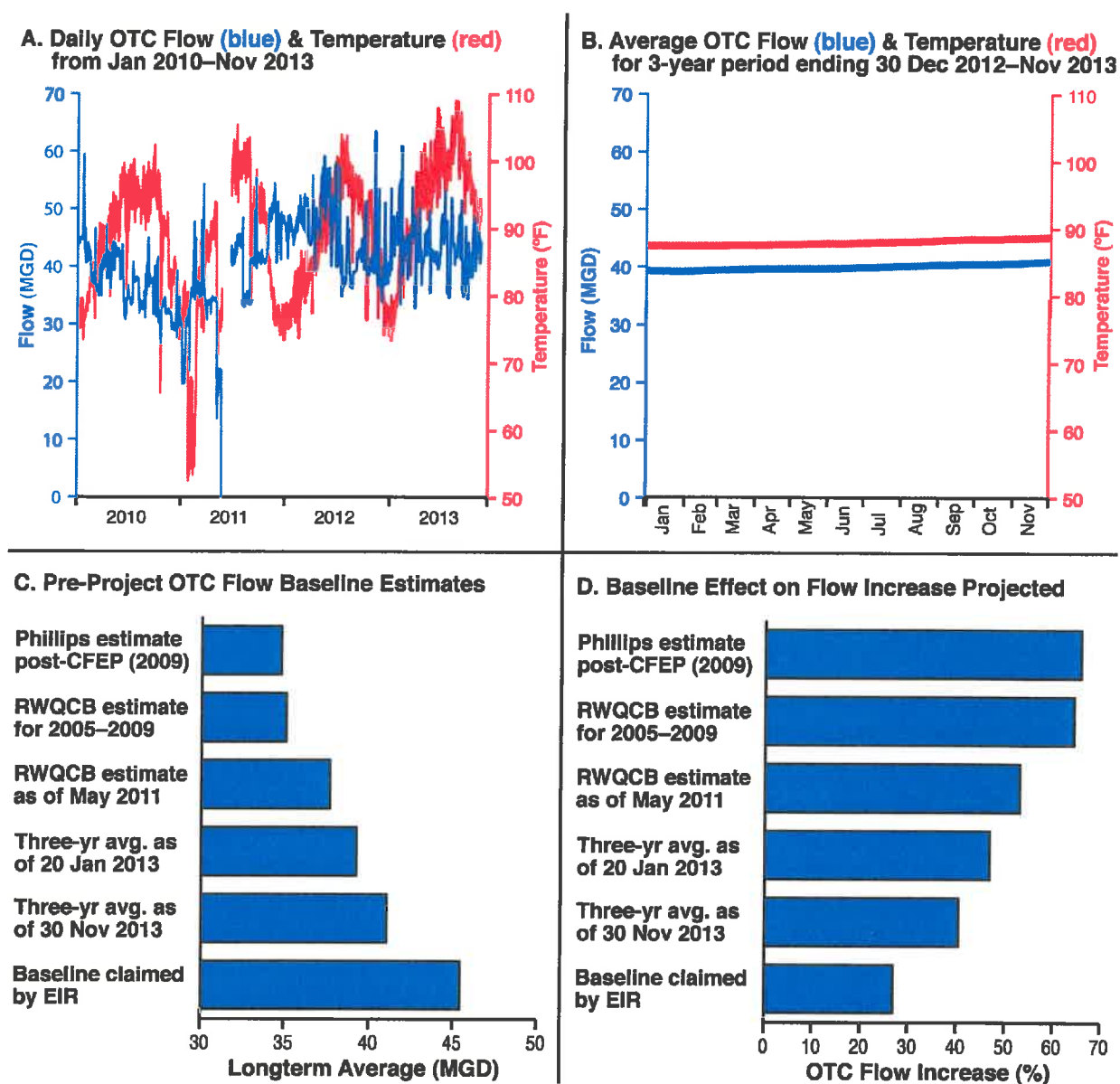


Chart S-1. Rodeo Once-Through Cooling (OTC) data and EIR baseline error. MGD: million gallons/day. **Plate A:** Cooling water flow and outfall E-003 discharge temperature vary daily, seasonally and annually; thus an accurate estimate of current “baseline” conditions must consider data from multiple years. **Plate B:** Long-term (3-year) average flow and temperature varied little during 2013, and both increased slightly, indicating increased use of OTC since 2010. **Plate C:** Phillips’ estimate of OTC flow following startup of its prior, “Clean Fuels Expansion” (CFEP) project in 2009 is close to the average for 2005–2009 observed by the RWQCB (~35 MGD) and less than the three-year averages from 2010–2012 and 2011–2013 (~39–41 MGD), and all of these long-term flow estimates are smaller than the baseline claimed by the EIR (45.4 MGD). **Plate D:** The EIR’s inflated baseline underestimates the increase in OTC flow from the project. Overestimating current average flow, the EIR underestimates the increase in flow represented by the proposed total post-project flow (57.6 MGD), and this cumulative error—in both the numerator and denominator of its calculated percentage increase—underestimates potential project impacts substantially. **Data sources:** Jan 2010–Nov 2013 data from measurements reported by Phillips’ to RWQCB (see Attachment 3). Phillips’ and RWQCB’s flow estimates from RWQCB findings reported in NPDES Permit CA0005053, attached to CBE’s previous comments (see also Karras Report, esp. page 14). Flow shown excludes non-OTC flows that are discharged with the cooling water from outfall E-003 (0.65 MGD; see NPDES Permit Finding II.B.2).

Increasing multi-year average flow did not lower discharge temperature and is not explained by reviews of prior projects. See Chart S-1, plates B and C.¹⁰ This indicates increasing transfer of process heat from undisclosed sources—possibly from increased firing rates, reduced cooling tower use, or both—that might be part of the project Phillips has already begun to implement.¹¹ Instead of describing these heat sources, the EIR states “it should be expected that the capacity of an engineered cooling system would exceed not only the normal average, but also the largest heat load that the *Refinery* could impose on the system.” FEIR at 3.2-136; *emphasis added*. Thus, the EIR’s description of the project allows for the possibility that the recent flow increase is related to the project: recent flow might include project flow. Therefore, its assertion that one recent year represents the OTC baseline accurately is inconsistent with its project description.

Overestimating baseline OTC flow, the EIR also underestimates the increment from baseline to total post-project OTC flow. These errors in both the numerator (increment) and denominator (baseline) of its calculated percentage increase in flow are cumulative. Thus, instead of the EIR’s erroneous assertion that the proposed OTC expansion would increase flow from its inflated baseline by $\approx 25\%$, this expansion to 57.6 MGD would increase OTC flow from the observed multi-year averages of 35–41 MGD by $\approx 40\text{--}65\%$. See Chart S-1, plates C and D. Therefore, the EIR underestimates potential project impacts substantially. As a result, it ignores substantial impacts.

Conclusion

CBE seeks an adequate environmental review that, among other things, resolves the EIR’s failure to identify, analyze, or mitigate significant potential impacts on the San Francisco Bay from the project’s proposed expansion of antiquated technology that could otherwise be replaced with modern cooling technology. This new evidence further strongly supports CBE’s appeal.

Respectfully Submitted,


Roger Lin
Staff Attorney


Greg Karras
Senior Scientist

Attachment: CBE Supp. Attachment 3. Flow and heat data reported by Phillips 66 for Rodeo facility once-through cooling (OTC)

Copy: Lashun Cross, Principal Planner, Department of Conservation and Development
Laurel L. Impett, AICP, Urban Planner, Shute, Mihaly & Weinberger LLP
Interested Organizations and Individuals

¹⁰ See also NPDES Permit CA0005053, Order R2-2011-0027 at page F-53.

¹¹ See also Karras Report at 14–16.

CBE Supplemental Attachment 3

Flow and Heat Data Reported by Phillips 66 for Rodeo Facility Once-Through Cooling (OTC)

Contents

- Part 1: Rodeo Facility Once-Through Cooling (OTC)
daily data, Jan 2010–Nov 2013
(27 pages)**
- Part 2: Rodeo Facility Once-Through Cooling (OTC) data,
Jan 2010–Nov 2013
Three-year avg. flow (12/30/12–11/30/13)
(7 pages)**
- Part 3: E-003 Average Flow findings by date,
and OTC portion, various dates
(1 page)**

Attachment 3 Part 1. Rodeo Facility Once-Through Cooling (OTC) daily data, Jan 2010–Nov 2013
CBE Records Review, San Francisco Bay Regional Water Quality Control Board Records, Dec 2013
Includes paper and electronic (<http://ciwqs.waterboards.ca.gov/ciwqs>, dnldd 12/2013) records.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2010	1	1	44.1	78.4
2010	1	2	44.6	78.4
2010	1	3	44.4	77.6
2010	1	4	44.0	77.8
2010	1	5	44.0	77.3
2010	1	6	44.0	76.3
2010	1	7	44.9	76.2
2010	1	8	44.7	76.8
2010	1	9	44.8	75.1
2010	1	10	44.6	76.2
2010	1	11	45.0	75.6
2010	1	12	44.6	79.5
2010	1	13	44.7	79.3
2010	1	14	44.8	78.3
2010	1	15	44.7	76.1
2010	1	16	44.9	78.9
2010	1	17	44.8	79.6
2010	1	18	47.1	78.4
2010	1	19	56.3	76.1
2010	1	20	59.5	74.0
2010	1	21	48.8	73.4
2010	1	22	49.3	74.9
2010	1	23	45.4	76.2
2010	1	24	43.0	76.3
2010	1	25	45.3	76.3
2010	1	26	46.6	76.5
2010	1	27	42.4	77.6
2010	1	28	41.3	76.6
2010	1	29	40.6	77.5
2010	1	30	40.6	78.2
2010	1	31	41.2	78.7
2010	2	1	41.9	78.4
2010	2	2	41.1	78.4
2010	2	3	40.8	80.2
2010	2	4	41.1	77.6
2010	2	5	42.3	80.4
2010	2	6	44.1	79.4
2010	2	7	42.7	80.3
2010	2	8	42.2	80.0
2010	2	9	43.4	80.0
2010	2	10	42.5	78.8
2010	2	11	42.3	81.6
2010	2	12	42.6	82.6
2010	2	13	42.6	82.8
2010	2	14	42.5	82.9
2010	2	15	41.0	84.7
2010	2	16	39.5	85.6
2010	2	17	37.4	85.0
2010	2	18	37.7	83.7
2010	2	19	37.9	82.1
2010	2	20	38.0	81.6
2010	2	21	37.5	81.3

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2010	2	22	37.1	83.5
2010	2	23	38.2	81.7
2010	2	24	37.9	84.8
2010	2	25	36.9	84.1
2010	2	26	38.8	81.0
2010	2	27	37.8	79.4
2010	2	28	37.8	85.3
2010	3	1	37.7	82.9
2010	3	2	38.8	81.9
2010	3	3	46.6	76.5
2010	3	4	38.4	83.2
2010	3	5	36.3	85.0
2010	3	6	36.2	88.1
2010	3	7	35.7	84.1
2010	3	8	36.2	83.0
2010	3	9	36.0	81.6
2010	3	10	36.2	82.6
2010	3	11	36.0	80.8
2010	3	12	36.8	80.9
2010	3	13	36.0	81.8
2010	3	14	35.4	84.4
2010	3	15	35.0	85.0
2010	3	16	34.9	86.1
2010	3	17	35.5	88.4
2010	3	18	38.7	90.7
2010	3	19	40.2	86.5
2010	3	20	39.0	83.4
2010	3	21	38.1	87.0
2010	3	22	38.2	85.6
2010	3	23	38.0	89.0
2010	3	24	38.4	86.9
2010	3	25	34.9	84.8
2010	3	26	40.3	87.2
2010	3	27	41.1	90.4
2010	3	28	39.9	87.7
2010	3	29	39.3	86.4
2010	3	30	39.7	88.3
2010	3	31	41.9	84.9
2010	4	1	41.0	88.3
2010	4	2	39.7	85.6
2010	4	3	40.0	85.6
2010	4	4	41.0	83.8
2010	4	5	41.8	86.6
2010	4	6	42.0	88.0
2010	4	7	41.6	90.3
2010	4	8	40.0	88.0
2010	4	9	42.1	89.4
2010	4	10	42.9	85.9
2010	4	11	44.3	83.6
2010	4	12	47.3	84.0
2010	4	13	37.9	90.1
2010	4	14	37.9	88.9
2010	4	15	39.0	87.8
2010	4	16	38.8	90.4

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2010	4	17	38.1	91.3
2010	4	18	40.7	91.7
2010	4	19	42.5	88.9
2010	4	20	42.1	89.1
2010	4	21	41.5	88.5
2010	4	22	41.0	92.0
2010	4	23	41.3	93.5
2010	4	24	39.7	91.3
2010	4	25	36.1	79.8
2010	4	26	36.1	92.4
2010	4	27	39.0	86.9
2010	4	28	37.8	84.0
2010	4	29	39.8	89.9
2010	4	30	43.6	90.7
2010	5	1	43.4	90.2
2010	5	2	43.2	93.3
2010	5	3	43.2	93.2
2010	5	4	43.4	95.3
2010	5	5	44.3	94.6
2010	5	6	44.3	92.3
2010	5	7	41.3	93.4
2010	5	8	39.6	92.0
2010	5	9	39.3	90.3
2010	5	10	39.4	88.3
2010	5	11	44.0	93.5
2010	5	12	43.0	91.5
2010	5	13	41.8	94.7
2010	5	14	42.0	91.6
2010	5	15	43.4	91.7
2010	5	16	41.8	92.7
2010	5	17	41.7	92.3
2010	5	18	42.2	92.6
2010	5	19	42.6	92.2
2010	5	20	43.1	93.9
2010	5	21	43.0	89.4
2010	5	22	42.0	91.8
2010	5	23	42.0	90.1
2010	5	24	42.6	88.0
2010	5	25	43.1	88.7
2010	5	26	41.6	91.1
2010	5	27	41.5	88.6
2010	5	28	42.2	94.4
2010	5	29	40.9	97.9
2010	5	30	38.5	96.1
2010	5	31	37.7	93.0
2010	6	1	38.5	95.1
2010	6	2	38.7	96.0
2010	6	3	39.9	95.7
2010	6	4	39.0	94.5
2010	6	5	38.0	99.0
2010	6	6	43.8	96.6
2010	6	7	41.4	98.0
2010	6	8	43.6	96.3
2010	6	9	41.6	94.8

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2010	6	10	38.3	97.6
2010	6	11	38.0	99.7
2010	6	12	35.2	98.1
2010	6	13	34.4	97.8
2010	6	14	33.1	96.4
2010	6	15	31.5	93.6
2010	6	16	31.2	98.0
2010	6	17	31.6	95.2
2010	6	18	30.9	89.4
2010	6	19	30.8	92.3
2010	6	20	31.6	90.7
2010	6	21	31.4	91.2
2010	6	22	31.6	80.9
2010	6	23	34.4	92.1
2010	6	24	34.5	93.4
2010	6	25	34.5	86.3
2010	6	26	34.7	90.2
2010	6	27	35.4	98.6
2010	6	28	36.7	96.9
2010	6	29	36.1	89.6
2010	6	30	35.2	92.0
2010	7	1	35.0	96.0
2010	7	2	34.6	96.2
2010	7	3	34.6	97.5
2010	7	4	34.4	99.4
2010	7	5	34.2	95.7
2010	7	6	34.3	92.8
2010	7	7	34.1	95.3
2010	7	8	33.6	97.5
2010	7	9	33.3	94.6
2010	7	10	33.6	96.6
2010	7	11	33.6	96.4
2010	7	12	34.1	92.7
2010	7	13	33.8	94.0
2010	7	14	33.7	99.3
2010	7	15	35.6	100.1
2010	7	16	40.8	99.7
2010	7	17	38.0	100.3
2010	7	18	38.2	98.7
2010	7	19	38.1	98.5
2010	7	20	37.7	93.1
2010	7	21	37.7	90.8
2010	7	22	37.3	95.5
2010	7	23	37.3	96.2
2010	7	24	37.4	95.0
2010	7	25	37.6	96.1
2010	7	26	38.0	93.9
2010	7	27	38.0	93.0
2010	7	28	38.2	96.3
2010	7	29	38.1	97.6
2010	7	30	38.0	94.9
2010	7	31	37.9	94.3
2010	8	1	38.0	95.6
2010	8	2	38.0	95.3

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2010	8	3	37.8	96.3
2010	8	4	37.8	95.0
2010	8	5	35.6	94.0
2010	8	6	34.1	95.3
2010	8	7	33.4	94.9
2010	8	8	31.9	93.1
2010	8	9	34.0	95.5
2010	8	10	34.1	93.9
2010	8	11	34.0	90.6
2010	8	12	34.0	94.1
2010	8	13	33.7	94.2
2010	8	14	33.5	93.1
2010	8	15	33.8	95.2
2010	8	16	33.7	97.1
2010	8	17	33.7	93.3
2010	8	18	33.4	97.2
2010	8	19	33.1	99.2
2010	8	20	32.5	92.1
2010	8	21	33.6	93.1
2010	8	22	33.8	97.8
2010	8	23	33.6	97.1
2010	8	24	33.4	97.8
2010	8	25	35.5	95.7
2010	8	26	35.7	91.4
2010	8	27	33.7	92.4
2010	8	28	31.1	89.7
2010	8	29	36.7	92.7
2010	8	30	38.6	92.0
2010	8	31	37.6	93.4
2010	9	1	35.1	96.9
2010	9	2	36.7	98.5
2010	9	3	40.5	98.5
2010	9	4	38.6	97.8
2010	9	5	38.4	97.6
2010	9	6	39.5	99.8
2010	9	7	44.5	92.0
2010	9	8	45.0	90.9
2010	9	9	39.0	95.9
2010	9	10	36.5	97.4
2010	9	11	38.8	98.6
2010	9	12	38.6	96.7
2010	9	13	37.0	92.1
2010	9	14	37.9	93.9
2010	9	15	37.8	94.5
2010	9	16	37.2	98.2
2010	9	17	37.4	96.6
2010	9	18	37.5	96.0
2010	9	19	37.2	97.5
2010	9	20	37.4	96.7
2010	9	21	37.8	95.7
2010	9	22	37.9	94.6
2010	9	23	37.6	98.9
2010	9	24	37.7	100.5
2010	9	25	35.5	99.5

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2010	9	26	31.7	100.4
2010	9	27	34.8	101.5
2010	9	28	33.9	101.9
2010	9	29	36.3	102.4
2010	9	30	38.0	97.0
2010	10	1	40.0	96.7
2010	10	2	39.1	95.9
2010	10	3	35.0	95.1
2010	10	4	32.9	94.1
2010	10	5	32.0	95.9
2010	10	6	31.3	96.2
2010	10	7	31.4	92.8
2010	10	8	36.3	93.8
2010	10	9	40.9	97.6
2010	10	10	40.9	96.8
2010	10	11	40.4	98.6
2010	10	12	41.6	96.1
2010	10	13	40.4	96.3
2010	10	14	30.3	96.8
2010	10	15	30.6	98.1
2010	10	16	30.7	93.0
2010	10	17	31.0	91.0
2010	10	18	30.3	95.7
2010	10	19	30.0	94.1
2010	10	20	29.9	93.3
2010	10	21	29.9	91.6
2010	10	22	28.1	92.2
2010	10	23	26.6	65.5
2010	10	24	31.7	71.0
2010	10	25	32.6	76.6
2010	10	26	33.0	87.6
2010	10	27	32.9	86.0
2010	10	28	33.0	85.0
2010	10	29	34.0	85.2
2010	10	30	34.1	89.0
2010	10	31	33.8	90.7
2010	11	1	33.8	91.7
2010	11	2	33.9	90.6
2010	11	3	33.7	90.7
2010	11	4	33.9	90.7
2010	11	5	34.4	90.5
2010	11	6	34.3	88.9
2010	11	7	34.6	90.0
2010	11	8	33.6	90.8
2010	11	9	32.2	89.0
2010	11	10	31.8	90.7
2010	11	11	31.8	88.7
2010	11	12	31.7	91.1
2010	11	13	32.1	90.4
2010	11	14	31.9	90.5
2010	11	15	31.8	92.3
2010	11	16	31.9	90.7
2010	11	17	31.8	88.6
2010	11	18	31.8	88.3

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2010	11	19	32.0	84.8
2010	11	20	32.7	82.6
2010	11	21	32.0	81.4
2010	11	22	31.9	81.6
2010	11	23	31.9	81.0
2010	11	24	31.9	82.9
2010	11	25	31.8	81.7
2010	11	26	31.7	82.2
2010	11	27	32.1	82.5
2010	11	28	31.9	83.8
2010	11	29	31.8	81.3
2010	11	30	31.8	78.1
2010	12	1	29.8	80.7
2010	12	2	29.1	82.3
2010	12	3	29.1	81.4
2010	12	4	29.3	83.7
2010	12	5	29.9	81.6
2010	12	6	29.4	83.7
2010	12	7	29.5	83.6
2010	12	8	30.2	82.6
2010	12	9	29.4	85.2
2010	12	10	29.0	84.9
2010	12	11	29.2	85.7
2010	12	12	28.9	85.1
2010	12	13	29.1	85.1
2010	12	14	29.2	84.5
2010	12	15	29.2	84.7
2010	12	16	29.1	83.5
2010	12	17	29.6	77.8
2010	12	18	29.7	78.6
2010	12	19	38.2	74.9
2010	12	20	39.3	78.4
2010	12	21	27.6	80.1
2010	12	22	29.0	80.9
2010	12	23	29.5	82.4
2010	12	24	29.4	80.3
2010	12	25	31.1	78.4
2010	12	26	30.9	78.1
2010	12	27	30.1	78.7
2010	12	28	32.8	76.5
2010	12	29	34.7	73.5
2010	12	30	30.2	77.4
2010	12	31	29.7	78.7
2011	1	1	31.3	76.2
2011	1	2	31.3	75.0
2011	1	3	30.4	76.9
2011	1	4	30.2	77.6
2011	1	5	30.3	76.8
2011	1	6	30.3	75.5
2011	1	7	30.0	75.1
2011	1	8	23.0	77.0
2011	1	9	19.6	75.3
2011	1	10	19.7	75.9
2011	1	11	19.9	75.3

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2011	1	12	19.6	81.0
2011	1	13	20.0	78.8
2011	1	14	19.7	81.3
2011	1	15	19.6	80.1
2011	1	16	19.7	80.3
2011	1	17	19.9	82.0
2011	1	18	19.7	80.2
2011	1	19	23.1	78.7
2011	1	20	25.4	72.2
2011	1	21	30.4	76.8
2011	1	22	31.0	78.9
2011	1	23	30.4	78.2
2011	1	24	30.6	78.0
2011	1	25	29.8	79.5
2011	1	26	30.2	77.3
2011	1	27	30.0	76.5
2011	1	28	31.3	78.4
2011	1	29	31.4	80.5
2011	1	30	32.5	76.4
2011	1	31	31.6	60.8
2011	2	1	32.6	53.9
2011	2	2	24.6	52.4
2011	2	3	21.9	53.7
2011	2	4	33.6	53.1
2011	2	5	33.7	53.6
2011	2	6	34.4	55.4
2011	2	7	35.4	57.2
2011	2	8	35.6	62.3
2011	2	9	35.5	64.4
2011	2	10	36.2	66.7
2011	2	11	35.2	67.8
2011	2	12	35.1	66.4
2011	2	13	35.3	66.4
2011	2	14	34.9	67.2
2011	2	15	34.7	67.2
2011	2	16	38.4	62.2
2011	2	17	42.5	54.1
2011	2	18	40.5	58.1
2011	2	19	47.7	53.3
2011	2	20	38.9	59.8
2011	2	21	36.4	60.6
2011	2	22	34.2	59.7
2011	2	23	34.3	60.8
2011	2	24	36.0	61.7
2011	2	25	44.9	54.5
2011	2	26	37.0	61.1
2011	2	27	35.8	62.4
2011	2	28	35.5	63.4
2011	3	1	35.5	76.3
2011	3	2	35.6	76.3
2011	3	3	35.6	79.5
2011	3	4	35.4	80.3
2011	3	5	35.3	82.8
2011	3	6	37.4	79.2

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2011	3	7	36.6	79.1
2011	3	8	35.5	82.9
2011	3	9	35.0	84.1
2011	3	10	34.5	82.1
2011	3	11	34.6	78.4
2011	3	12	34.8	81.8
2011	3	13	34.8	81.3
2011	3	14	35.0	88.2
2011	3	15	36.3	82.3
2011	3	16	37.0	82.0
2011	3	17	34.8	84.7
2011	3	18	48.0	80.6
2011	3	19	46.6	75.2
2011	3	20	45.9	76.5
2011	3	21	35.6	79.1
2011	3	22	35.1	79.4
2011	3	23	35.2	77.7
2011	3	24	54.3	75.1
2011	3	25	41.0	77.2
2011	3	26	39.6	74.5
2011	3	27	36.6	75.3
2011	3	28	35.7	78.8
2011	3	29	35.0	82.2
2011	3	30	34.5	84.3
2011	3	31	33.3	84.6
2011	4	1	32.9	87.4
2011	4	2	33.1	89.5
2011	4	3	32.5	88.4
2011	4	4	32.2	89.7
2011	4	5	31.2	86.3
2011	4	6	30.7	89.0
2011	4	7	33.4	86.0
2011	4	8	33.9	86.3
2011	4	9	34.0	87.1
2011	4	10	34.1	88.3
2011	4	11	34.1	88.7
2011	4	12	34.1	84.9
2011	4	13	33.4	86.8
2011	4	14	33.9	86.0
2011	4	15	33.6	86.0
2011	4	16	33.4	89.3
2011	4	17	34.1	88.5
2011	4	18	33.9	86.6
2011	4	19	33.3	90.9
2011	4	20	31.7	89.3
2011	4	21	33.3	90.7
2011	4	22	34.4	88.2
2011	4	23	33.7	88.6
2011	4	24	34.1	88.5
2011	4	25	34.1	90.3
2011	4	26	34.8	91.0
2011	4	27	34.6	88.3
2011	4	28	34.3	89.0
2011	4	29	34.6	91.5

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2011	4	30	34.4	88.6
2011	5	1	34.3	91.1
2011	5	2	34.3	92.6
2011	5	3	34.2	92.3
2011	5	4	34.1	93.9
2011	5	5	34.2	93.8
2011	5	6	33.9	88.3
2011	5	7	34.4	87.3
2011	5	8	34.7	88.2
2011	5	9	34.3	93.7
2011	5	10	34.1	90.8
2011	5	11	34.1	82.1
2011	5	12	32.3	72.7
2011	5	13	17.1	79.4
2011	5	14	13.6	73.2
2011	5	15	19.1	73.8
2011	5	16	19.2	71.3
2011	5	17	21.0	71.2
2011	5	18	17.6	76.9
2011	5	19	21.8	77.6
2011	5	20	22.2	76.6
2011	5	21	21.4	77.5
2011	5	22	22.2	76.7
2011	5	23	22.2	77.5
2011	5	24	22.2	77.1
2011	5	25	20.8	74.6
2011	5	26	22.1	77.5
2011	5	27	22.1	78.0
2011	5	28	21.8	75.2
2011	5	29	22.0	76.9
2011	5	30	9.9	81.0
2011	5	31	0.0	76.3
2011	6	1	--	-- NA: Self-
2011	6	2	--	-- Monitoring
2011	6	3	--	-- Report (SMR)
2011	6	4	--	-- missing from
2011	6	5	--	-- Regional
2011	6	6	--	-- Board records
2011	6	7	--	-- (searched on
2011	6	8	--	-- 12/18/2013).
2011	6	9	--	-- NA: see above
2011	6	10	--	-- NA: see above
2011	6	11	--	-- NA: see above
2011	6	12	--	-- NA: see above
2011	6	13	--	-- NA: see above
2011	6	14	--	-- NA: see above
2011	6	15	--	-- NA: see above
2011	6	16	--	-- NA: see above
2011	6	17	--	-- NA: see above
2011	6	18	--	-- NA: see above
2011	6	19	--	-- NA: see above
2011	6	20	--	-- NA: see above
2011	6	21	--	-- NA: see above
2011	6	22	--	-- NA: see above

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2011	6	23	--	-- NA: see above
2011	6	24	--	-- NA: see above
2011	6	25	--	-- NA: see above
2011	6	26	--	-- NA: see above
2011	6	27	--	-- NA: see above
2011	6	28	--	-- NA: see above
2011	6	29	--	-- NA: see above
2011	6	30	--	-- NA: see above
2011	7	1	40.7	97.2
2011	7	2	43.6	94.8
2011	7	3	42.4	100.3
2011	7	4	43.1	99.0
2011	7	5	40.1	99.9
2011	7	6	40.5	101.2
2011	7	7	42.8	101.6
2011	7	8	42.6	103.1
2011	7	9	42.5	97.1
2011	7	10	42.1	101.8
2011	7	11	41.0	99.6
2011	7	12	40.4	98.5
2011	7	13	41.2	99.2
2011	7	14	41.1	102.7
2011	7	15	42.1	95.0
2011	7	16	44.1	100.2
2011	7	17	43.6	102.2
2011	7	18	44.0	101.0
2011	7	19	43.1	102.8
2011	7	20	42.0	105.4
2011	7	21	44.5	100.0
2011	7	22	45.4	101.9
2011	7	23	44.4	101.5
2011	7	24	44.6	93.8
2011	7	25	44.3	97.7
2011	7	26	45.6	99.2
2011	7	27	44.1	98.9
2011	7	28	45.3	98.7
2011	7	29	45.3	98.5
2011	7	30	44.5	98.0
2011	7	31	45.6	99.3
2011	8	1	43.5	101.3
2011	8	2	43.9	100.6
2011	8	3	45.0	98.8
2011	8	4	44.8	101.4
2011	8	5	43.2	97.3
2011	8	6	43.7	99.4
2011	8	7	43.7	100.6
2011	8	8	43.8	98.7
2011	8	9	44.1	99.4
2011	8	10	46.4	99.9
2011	8	11	48.5	98.2
2011	8	12	37.2	98.4
2011	8	13	33.4	102.7
2011	8	14	33.2	101.4
2011	8	15	33.2	102.4

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2011	8	16	33.3	102.3
2011	8	17	33.1	99.7
2011	8	18	34.5	100.3
2011	8	19	34.8	98.2
2011	8	20	34.7	96.8
2011	8	21	34.2	99.5
2011	8	22	34.1	102.7
2011	8	23	34.7	100.9
2011	8	24	35.3	99.3
2011	8	25	34.5	103.2
2011	8	26	34.4	97.6
2011	8	27	35.7	97.8
2011	8	28	34.4	101.0
2011	8	29	33.6	98.6
2011	8	30	33.6	100.3
2011	8	31	33.6	99.7
2011	9	1	34.1	99.7
2011	9	2	34.6	103.5
2011	9	3	35.7	101.2
2011	9	4	34.0	99.7
2011	9	5	33.7	100.5
2011	9	6	33.4	96.5
2011	9	7	41.1	88.0
2011	9	8	41.0	80.1
2011	9	9	41.3	79.1
2011	9	10	40.6	78.9
2011	9	11	41.5	79.2
2011	9	12	41.4	88.7
2011	9	13	41.2	93.5
2011	9	14	41.1	89.9
2011	9	15	41.3	90.5
2011	9	16	41.5	90.8
2011	9	17	41.2	92.0
2011	9	18	40.6	92.4
2011	9	19	40.3	93.4
2011	9	20	40.1	96.1
2011	9	21	40.5	92.9
2011	9	22	49.7	94.4
2011	9	23	45.1	95.9
2011	9	24	43.7	92.3
2011	9	25	45.1	93.1
2011	9	26	48.0	96.6
2011	9	27	55.4	95.4
2011	9	28	50.6	98.7
2011	9	29	39.7	95.1
2011	9	30	40.3	92.9
2011	10	1	40.5	94.7
2011	10	2	41.0	96.4
2011	10	3	41.3	93.4
2011	10	4	41.2	95.3
2011	10	5	42.4	92.9
2011	10	6	41.5	94.0
2011	10	7	40.8	92.2
2011	10	8	40.8	92.0

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2011	10	9	41.3	93.7
2011	10	10	41.1	91.0
2011	10	11	41.3	90.7
2011	10	12	41.8	93.4
2011	10	13	41.1	95.0
2011	10	14	40.4	96.7
2011	10	15	40.7	93.5
2011	10	16	41.8	93.0
2011	10	17	42.9	92.7
2011	10	18	42.0	94.1
2011	10	19	41.5	93.7
2011	10	20	41.7	90.9
2011	10	21	41.3	93.2
2011	10	22	40.9	95.7
2011	10	23	41.2	95.2
2011	10	24	41.2	92.4
2011	10	25	40.9	90.7
2011	10	26	41.2	92.1
2011	10	27	40.5	90.9
2011	10	28	40.7	92.2
2011	10	29	41.0	91.1
2011	10	30	40.5	91.6
2011	10	31	40.8	92.3
2011	11	1	41.2	91.6
2011	11	2	41.0	89.9
2011	11	3	41.1	90.0
2011	11	4	41.8	88.4
2011	11	5	43.1	85.7
2011	11	6	42.1	88.5
2011	11	7	45.3	87.5
2011	11	8	43.0	85.9
2011	11	9	44.9	85.6
2011	11	10	49.1	86.4
2011	11	11	48.5	85.0
2011	11	12	48.9	83.3
2011	11	13	49.3	84.8
2011	11	14	50.1	84.2
2011	11	15	49.2	85.3
2011	11	16	47.8	84.0
2011	11	17	48.1	83.6
2011	11	18	48.1	82.8
2011	11	19	48.6	82.6
2011	11	20	48.2	80.7
2011	11	21	49.7	82.6
2011	11	22	50.9	81.3
2011	11	23	50.7	80.0
2011	11	24	49.3	79.7
2011	11	25	50.4	79.5
2011	11	26	49.9	80.0
2011	11	27	51.8	80.1
2011	11	28	52.4	80.3
2011	11	29	52.8	81.1
2011	11	30	51.1	80.7
2011	12	1	54.4	79.7

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2011	12	2	52.1	79.2
2011	12	3	50.9	76.3
2011	12	4	50.1	78.0
2011	12	5	49.4	75.8
2011	12	6	48.6	77.3
2011	12	7	44.0	77.7
2011	12	8	40.6	75.6
2011	12	9	40.8	76.9
2011	12	10	40.9	77.1
2011	12	11	45.0	76.9
2011	12	12	49.4	76.9
2011	12	13	51.3	76.4
2011	12	14	49.2	76.2
2011	12	15	48.7	76.7
2011	12	16	47.5	78.4
2011	12	17	47.3	77.0
2011	12	18	47.3	76.9
2011	12	19	47.3	77.4
2011	12	20	46.7	76.0
2011	12	21	46.9	75.9
2011	12	22	46.9	76.0
2011	12	23	42.3	74.8
2011	12	24	41.2	74.7
2011	12	25	49.4	74.2
2011	12	26	48.6	74.4
2011	12	27	48.2	75.0
2011	12	28	48.6	76.1
2011	12	29	48.5	76.9
2011	12	30	48.5	76.9
2011	12	31	48.7	76.8
2012	1	1	48.8	75.7
2012	1	2	48.6	78.1
2012	1	3	48.7	78.5
2012	1	4	47.9	76.1
2012	1	5	47.4	75.9
2012	1	6	47.5	73.5
2012	1	7	47.6	73.7
2012	1	8	47.2	73.9
2012	1	9	47.4	75.3
2012	1	10	46.2	76.8
2012	1	11	45.8	77.0
2012	1	12	44.5	76.3
2012	1	13	44.6	76.8
2012	1	14	44.7	78.7
2012	1	15	45.4	76.0
2012	1	16	47.6	78.6
2012	1	17	41.4	75.7
2012	1	18	48.7	76.5
2012	1	19	44.8	77.5
2012	1	20	47.2	76.1
2012	1	21	47.7	75.1
2012	1	22	46.1	75.7
2012	1	23	48.9	75.8
2012	1	24	47.2	77.1

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2012	1	25	47.7	78.6
2012	1	26	48.4	77.7
2012	1	27	47.2	77.5
2012	1	28	46.9	75.4
2012	1	29	46.8	78.1
2012	1	30	47.3	79.3
2012	1	31	46.1	77.0
2012	2	1	46.2	77.1
2012	2	2	46.3	78.8
2012	2	3	45.2	79.5
2012	2	4	45.5	77.7
2012	2	5	45.3	78.8
2012	2	6	43.7	76.9
2012	2	7	44.7	77.3
2012	2	8	44.5	81.3
2012	2	9	44.7	81.1
2012	2	10	45.0	80.6
2012	2	11	45.3	82.9
2012	2	12	47.0	81.4
2012	2	13	46.5	79.9
2012	2	14	46.6	83.6
2012	2	15	45.9	76.0
2012	2	16	48.0	78.8
2012	2	17	48.5	78.8
2012	2	18	47.1	79.8
2012	2	19	46.0	79.5
2012	2	20	46.7	81.5
2012	2	21	48.4	83.4
2012	2	22	49.2	81.2
2012	2	23	47.6	84.0
2012	2	24	50.5	79.6
2012	2	25	50.3	78.7
2012	2	26	48.2	77.2
2012	2	27	49.0	73.8
2012	2	28	50.0	77.7
2012	2	29	52.3	77.6
2012	3	1	51.1	79.4
2012	3	2	49.7	84.5
2012	3	3	50.2	84.6
2012	3	4	48.9	82.0
2012	3	5	47.4	86.6
2012	3	6	48.0	79.5
2012	3	7	47.6	82.0
2012	3	8	47.3	84.4
2012	3	9	47.0	84.7
2012	3	10	47.1	83.5
2012	3	11	46.9	85.4
2012	3	12	47.1	82.3
2012	3	13	46.4	80.2
2012	3	14	52.0	80.3
2012	3	15	48.0	82.8
2012	3	16	52.5	81.4
2012	3	17	49.3	81.9
2012	3	18	46.3	80.3

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2012	3	19	46.5	78.9
2012	3	20	45.9	84.6
2012	3	21	46.3	86.5
2012	3	22	46.1	83.4
2012	3	23	46.5	84.0
2012	3	24	48.0	80.1
2012	3	25	51.9	79.9
2012	3	26	45.3	80.8
2012	3	27	48.8	80.4
2012	3	28	49.7	83.7
2012	3	29	44.5	83.2
2012	3	30	44.1	82.9
2012	3	31	44.5	81.4
2012	4	1	44.1	83.1
2012	4	2	43.9	84.0
2012	4	3	43.8	84.8
2012	4	4	43.7	84.6
2012	4	5	44.0	85.4
2012	4	6	44.0	85.3
2012	4	7	44.4	84.8
2012	4	8	44.6	84.6
2012	4	9	44.9	85.6
2012	4	10	46.2	82.6
2012	4	11	47.0	83.4
2012	4	12	49.1	83.6
2012	4	13	55.8	77.4
2012	4	14	48.2	85.8
2012	4	15	47.7	83.5
2012	4	16	47.2	84.0
2012	4	17	47.2	85.1
2012	4	18	47.1	85.1
2012	4	19	44.3	89.3
2012	4	20	39.6	90.4
2012	4	21	39.1	92.1
2012	4	22	45.3	92.4
2012	4	23	48.9	86.6
2012	4	24	50.2	89.3
2012	4	25	50.0	90.9
2012	4	26	48.5	83.0
2012	4	27	48.1	86.9
2012	4	28	47.3	87.8
2012	4	29	47.4	89.9
2012	4	30	47.1	84.0
2012	5	1	47.2	90.0
2012	5	2	48.2	84.8
2012	5	3	46.5	85.5
2012	5	4	46.9	85.6
2012	5	5	46.7	89.3
2012	5	6	46.9	91.3
2012	5	7	44.9	90.5
2012	5	8	46.6	94.9
2012	5	9	49.7	88.6
2012	5	10	50.4	94.2
2012	5	11	50.8	92.3

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2012	5	12	53.1	91.4
2012	5	13	55.8	91.4
2012	5	14	54.4	88.9
2012	5	15	51.0	86.5
2012	5	16	54.7	89.7
2012	5	17	57.2	88.5
2012	5	18	55.2	93.6
2012	5	19	50.4	92.3
2012	5	20	51.5	94.2
2012	5	21	54.1	91.1
2012	5	22	59.2	94.4
2012	5	23	59.2	92.8
2012	5	24	54.7	89.8
2012	5	25	49.2	89.6
2012	5	26	48.1	90.6
2012	5	27	49.2	89.3
2012	5	28	49.3	86.4
2012	5	29	50.4	90.2
2012	5	30	51.2	93.3
2012	5	31	53.0	90.8
2012	6	1	53.2	91.3
2012	6	2	56.3	89.7
2012	6	3	57.0	90.7
2012	6	4	53.2	87.6
2012	6	5	52.3	90.1
2012	6	6	53.8	91.2
2012	6	7	54.9	90.7
2012	6	8	54.1	90.5
2012	6	9	56.6	93.7
2012	6	10	57.2	95.6
2012	6	11	54.8	95.7
2012	6	12	47.1	96.9
2012	6	13	48.1	94.4
2012	6	14	48.8	95.8
2012	6	15	49.7	94.3
2012	6	16	47.3	97.4
2012	6	17	40.6	94.1
2012	6	18	40.1	92.1
2012	6	19	42.2	93.9
2012	6	20	50.8	91.4
2012	6	21	47.5	88.7
2012	6	22	52.3	88.1
2012	6	23	50.6	89.7
2012	6	24	50.1	89.7
2012	6	25	47.7	92.9
2012	6	26	47.8	94.3
2012	6	27	49.5	98.5
2012	6	28	49.8	94.8
2012	6	29	50.0	99.4
2012	6	30	50.0	98.6
2012	7	1	56.2	96.5
2012	7	2	58.0	98.4
2012	7	3	58.1	100.0
2012	7	4	40.3	97.0

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2012	7	5	40.0	97.8
2012	7	6	39.9	100.7
2012	7	7	39.9	97.1
2012	7	8	40.2	97.9
2012	7	9	40.2	97.9
2012	7	10	40.5	97.9
2012	7	11	40.4	99.4
2012	7	12	40.7	100.3
2012	7	13	46.5	93.9
2012	7	14	50.5	97.1
2012	7	15	49.6	96.7
2012	7	16	57.6	92.9
2012	7	17	43.0	93.5
2012	7	18	41.4	98.1
2012	7	19	41.2	95.6
2012	7	20	39.8	103.0
2012	7	21	38.8	104.0
2012	7	22	43.6	99.1
2012	7	23	43.6	100.1
2012	7	24	43.3	103.2
2012	7	25	41.1	94.4
2012	7	26	34.9	99.0
2012	7	27	36.0	100.9
2012	7	28	36.2	98.6
2012	7	29	36.4	99.2
2012	7	30	36.5	102.8
2012	7	31	38.1	99.3
2012	8	1	36.8	100.7
2012	8	2	37.0	101.4
2012	8	3	36.9	98.6
2012	8	4	36.8	96.7
2012	8	5	36.9	100.5
2012	8	6	37.0	102.2
2012	8	7	37.4	102.1
2012	8	8	37.4	103.8
2012	8	9	41.4	100.3
2012	8	10	41.9	100.3
2012	8	11	46.2	101.2
2012	8	12	48.6	99.0
2012	8	13	46.4	100.8
2012	8	14	44.3	94.8
2012	8	15	41.0	97.8
2012	8	16	41.8	99.3
2012	8	17	46.5	99.2
2012	8	18	46.4	98.7
2012	8	19	41.0	99.8
2012	8	20	40.6	97.4
2012	8	21	38.7	96.7
2012	8	22	38.5	98.9
2012	8	23	38.2	98.3
2012	8	24	36.6	94.6
2012	8	25	36.7	95.1
2012	8	26	36.8	97.2
2012	8	27	36.4	98.7

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2012	8	28	36.4	99.3
2012	8	29	36.6	91.9
2012	8	30	36.7	84.9
2012	8	31	36.5	86.6
2012	9	1	36.2	94.4
2012	9	2	38.1	97.3
2012	9	3	39.1	92.5
2012	9	4	39.1	94.3
2012	9	5	39.1	94.9
2012	9	6	38.9	95.7
2012	9	7	38.9	94.3
2012	9	8	39.1	97.0
2012	9	9	39.2	98.1
2012	9	10	39.2	95.3
2012	9	11	39.3	96.6
2012	9	12	39.2	97.4
2012	9	13	39.4	95.5
2012	9	14	39.3	95.9
2012	9	15	39.7	97.6
2012	9	16	42.5	94.7
2012	9	17	42.3	96.4
2012	9	18	41.8	95.1
2012	9	19	41.6	92.1
2012	9	20	41.7	97.7
2012	9	21	41.5	97.8
2012	9	22	41.5	96.2
2012	9	23	42.5	97.0
2012	9	24	43.0	96.8
2012	9	25	42.3	93.8
2012	9	26	42.3	94.3
2012	9	27	42.3	96.7
2012	9	28	41.7	92.8
2012	9	29	41.7	94.2
2012	9	30	41.7	97.2
2012	10	1	41.7	95.4
2012	10	2	40.9	97.0
2012	10	3	44.8	94.8
2012	10	4	43.7	91.6
2012	10	5	44.0	94.0
2012	10	6	42.9	94.0
2012	10	7	42.9	92.8
2012	10	8	42.9	91.4
2012	10	9	43.9	91.1
2012	10	10	44.0	88.4
2012	10	11	39.5	86.5
2012	10	12	40.6	88.9
2012	10	13	44.2	91.0
2012	10	14	50.6	92.4
2012	10	15	40.9	89.9
2012	10	16	40.0	91.6
2012	10	17	43.7	91.2
2012	10	18	51.4	90.9
2012	10	19	39.6	90.4
2012	10	20	39.8	88.6

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2012	10	21	40.0	76.4
2012	10	22	39.9	76.4
2012	10	23	38.8	78.7
2012	10	24	38.5	81.5
2012	10	25	38.4	92.1
2012	10	26	38.4	93.3
2012	10	27	38.6	95.5
2012	10	28	38.6	93.8
2012	10	29	39.0	92.5
2012	10	30	39.2	93.0
2012	10	31	39.0	92.3
2012	11	1	39.3	94.0
2012	11	2	41.5	93.4
2012	11	3	39.3	93.5
2012	11	4	39.3	95.7
2012	11	5	39.3	91.7
2012	11	6	39.4	92.8
2012	11	7	39.6	90.3
2012	11	8	40.1	85.3
2012	11	9	42.1	86.9
2012	11	10	39.4	87.8
2012	11	11	40.0	86.0
2012	11	12	39.8	86.2
2012	11	13	40.8	86.6
2012	11	14	38.9	85.7
2012	11	15	39.0	86.8
2012	11	16	41.8	86.4
2012	11	17	52.1	86.5
2012	11	18	63.4	87.1
2012	11	19	60.9	84.8
2012	11	20	46.5	88.7
2012	11	21	43.4	91.1
2012	11	22	42.4	89.7
2012	11	23	42.1	87.4
2012	11	24	41.8	88.4
2012	11	25	38.6	88.0
2012	11	26	39.3	88.6
2012	11	27	38.8	87.3
2012	11	28	36.6	84.0
2012	11	29	38.7	86.9
2012	11	30	51.1	76.6
2012	12	1	40.8	85.4
2012	12	2	53.5	84.0
2012	12	3	38.4	86.8
2012	12	4	37.1	86.9
2012	12	5	37.9	85.9
2012	12	6	36.9	85.7
2012	12	7	36.9	86.1
2012	12	8	37.2	84.3
2012	12	9	37.1	86.9
2012	12	10	36.9	86.4
2012	12	11	35.6	84.7
2012	12	12	34.5	82.8
2012	12	13	33.9	83.1

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2012	12	14	35.1	82.6
2012	12	15	40.1	81.6
2012	12	16	39.3	81.2
2012	12	17	38.7	81.9
2012	12	18	37.9	79.0
2012	12	19	37.2	78.8
2012	12	20	36.7	80.3
2012	12	21	37.3	79.2
2012	12	22	45.7	74.2
2012	12	23	51.1	77.1
2012	12	24	40.6	77.9
2012	12	25	44.1	77.9
2012	12	26	42.5	75.4
2012	12	27	38.5	76.1
2012	12	28	38.0	75.3
2012	12	29	37.0	77.2
2012	12	30	37.0	78.8
2012	12	31	37.1	76.3
2013	1	1	37.2	76.5
2013	1	2	37.2	76.8
2013	1	3	37.3	77.1
2013	1	4	37.1	76.9
2013	1	5	40.5	76.2
2013	1	6	40.7	77.3
2013	1	7	40.4	76.8
2013	1	8	40.1	78.3
2013	1	9	38.7	76.3
2013	1	10	38.5	74.1
2013	1	11	39.5	74.5
2013	1	12	42.7	75.4
2013	1	13	48.2	74.8
2013	1	14	53.6	74.9
2013	1	15	43.5	76.2
2013	1	16	39.5	80.0
2013	1	17	45.3	73.4
2013	1	18	47.0	75.1
2013	1	19	46.4	75.4
2013	1	20	45.3	77.0
2013	1	21	45.9	77.5
2013	1	22	46.6	76.2
2013	1	23	48.6	74.9
2013	1	24	48.7	76.7
2013	1	25	43.5	79.2
2013	1	26	41.9	78.2
2013	1	27	46.2	75.9
2013	1	28	45.8	77.5
2013	1	29	45.8	78.7
2013	1	30	45.7	76.7
2013	1	31	46.2	78.2
2013	2	1	45.3	79.3
2013	2	2	46.6	80.0
2013	2	3	47.9	80.2
2013	2	4	49.4	78.3
2013	2	5	46.3	79.5

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2013	2	6	43.8	79.2
2013	2	7	44.1	80.3
2013	2	8	44.8	79.6
2013	2	9	47.8	81.8
2013	2	10	53.5	84.0
2013	2	11	54.2	83.5
2013	2	12	53.3	85.9
2013	2	13	53.7	84.2
2013	2	14	54.3	86.6
2013	2	15	55.1	88.3
2013	2	16	49.0	85.9
2013	2	17	33.5	88.9
2013	2	18	45.3	84.1
2013	2	19	56.6	83.2
2013	2	20	51.8	80.7
2013	2	21	60.9	80.4
2013	2	22	45.3	85.2
2013	2	23	45.6	86.7
2013	2	24	45.0	84.5
2013	2	25	42.7	87.9
2013	2	26	38.6	79.8
2013	2	27	41.5	84.1
2013	2	28	40.9	86.8
2013	3	1	43.4	88.7
2013	3	2	43.8	88.6
2013	3	3	42.2	88.2
2013	3	4	42.2	85.3
2013	3	5	42.7	87.8
2013	3	6	44.0	88.9
2013	3	7	44.7	87.1
2013	3	8	44.1	89.0
2013	3	9	43.5	91.4
2013	3	10	43.4	90.9
2013	3	11	43.4	86.3
2013	3	12	45.4	84.3
2013	3	13	45.5	84.5
2013	3	14	37.8	85.8
2013	3	15	42.0	85.8
2013	3	16	40.9	89.5
2013	3	17	40.8	88.7
2013	3	18	41.3	90.0
2013	3	19	42.4	87.1
2013	3	20	38.7	86.6
2013	3	21	40.5	89.0
2013	3	22	43.1	89.5
2013	3	23	45.7	90.4
2013	3	24	43.8	87.8
2013	3	25	44.2	83.0
2013	3	26	45.0	83.5
2013	3	27	46.4	86.8
2013	3	28	45.0	86.2
2013	3	29	47.6	89.5
2013	3	30	53.8	88.7
2013	3	31	45.6	88.9

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2013	4	1	46.5	90.1
2013	4	2	45.2	87.9
2013	4	3	45.2	87.9
2013	4	4	45.2	87.9
2013	4	5	45.2	87.9
2013	4	6	45.2	87.9
2013	4	7	45.2	87.9
2013	4	8	45.7	93.3
2013	4	9	48.9	89.3
2013	4	10	40.8	95.4
2013	4	11	33.0	98.5
2013	4	12	36.1	92.2
2013	4	13	41.1	94.3
2013	4	14	40.8	98.1
2013	4	15	41.7	88.9
2013	4	16	40.8	87.8
2013	4	17	43.3	89.1
2013	4	18	42.6	97.4
2013	4	19	41.0	94.9
2013	4	20	45.9	93.1
2013	4	21	44.9	98.4
2013	4	22	40.9	98.1
2013	4	23	50.1	97.7
2013	4	24	50.3	89.5
2013	4	25	46.7	89.7
2013	4	26	46.5	95.7
2013	4	27	47.0	89.4
2013	4	28	41.4	96.2
2013	4	29	42.2	101.4
2013	4	30	43.0	94.7
2013	5	1	42.1	95.4
2013	5	2	41.6	94.8
2013	5	3	36.9	95.5
2013	5	4	40.0	98.5
2013	5	5	40.1	96.6
2013	5	6	39.9	95.6
2013	5	7	40.8	93.1
2013	5	8	41.4	94.7
2013	5	9	40.7	92.9
2013	5	10	41.8	95.9
2013	5	11	41.7	102.6
2013	5	12	41.9	101.3
2013	5	13	42.8	94.1
2013	5	14	45.7	97.0
2013	5	15	45.6	94.0
2013	5	16	45.2	95.3
2013	5	17	45.1	100.6
2013	5	18	43.7	99.0
2013	5	19	42.2	93.3
2013	5	20	46.3	98.6
2013	5	21	44.2	95.3
2013	5	22	42.0	91.3
2013	5	23	44.1	98.5
2013	5	24	45.1	98.8

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2013	5	25	43.5	97.7
2013	5	26	43.6	93.6
2013	5	27	46.2	97.8
2013	5	28	47.0	95.0
2013	5	29	45.5	100.4
2013	5	30	47.5	98.4
2013	5	31	49.8	95.4
2013	6	1	44.0	103.1
2013	6	2	44.6	99.1
2013	6	3	35.5	92.8
2013	6	4	38.2	93.7
2013	6	5	41.6	92.3
2013	6	6	41.8	93.3
2013	6	7	42.7	94.5
2013	6	8	42.7	99.8
2013	6	9	43.0	94.7
2013	6	10	41.9	97.0
2013	6	11	42.3	95.6
2013	6	12	42.0	97.2
2013	6	13	41.9	95.5
2013	6	14	41.4	102.4
2013	6	15	41.3	103.1
2013	6	16	41.0	103.2
2013	6	17	41.4	100.7
2013	6	18	42.5	97.2
2013	6	19	41.9	102.6
2013	6	20	41.9	98.4
2013	6	21	42.6	104.2
2013	6	22	40.6	104.9
2013	6	23	40.7	99.5
2013	6	24	42.5	97.5
2013	6	25	42.6	93.2
2013	6	26	41.2	100.0
2013	6	27	41.1	99.8
2013	6	28	41.3	107.9
2013	6	29	39.6	103.1
2013	6	30	40.5	96.1
2013	7	1	40.4	101.2
2013	7	2	40.0	103.1
2013	7	3	39.7	106.7
2013	7	4	42.2	94.6
2013	7	5	40.5	99.5
2013	7	6	41.9	101.6
2013	7	7	41.9	102.7
2013	7	8	42.4	102.0
2013	7	9	42.3	104.8
2013	7	10	45.9	102.8
2013	7	11	47.4	98.8
2013	7	12	48.3	99.9
2013	7	13	48.0	104.8
2013	7	14	49.1	105.0
2013	7	15	44.9	97.7
2013	7	16	45.1	100.1
2013	7	17	44.5	104.2

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2013	7	18	46.5	101.1
2013	7	19	48.0	103.3
2013	7	20	44.0	102.0
2013	7	21	46.5	96.8
2013	7	22	49.4	95.7
2013	7	23	49.2	100.7
2013	7	24	53.1	100.0
2013	7	25	46.9	97.0
2013	7	26	45.3	96.4
2013	7	27	47.1	97.3
2013	7	28	47.0	101.2
2013	7	29	47.0	95.6
2013	7	30	45.1	97.0
2013	7	31	44.9	101.5
2013	8	1	48.0	101.8
2013	8	2	35.6	99.7
2013	8	3	35.4	97.2
2013	8	4	36.3	100.5
2013	8	5	36.4	97.2
2013	8	6	37.0	97.8
2013	8	7	38.2	100.4
2013	8	8	37.1	98.6
2013	8	9	34.7	97.9
2013	8	10	34.8	101.6
2013	8	11	35.2	99.7
2013	8	12	36.4	97.2
2013	8	13	41.1	104.6
2013	8	14	46.6	102.7
2013	8	15	44.1	105.2
2013	8	16	50.6	106.8
2013	8	17	52.0	103.9
2013	8	18	50.4	106.2
2013	8	19	45.5	105.3
2013	8	20	49.0	99.7
2013	8	21	45.1	103.9
2013	8	22	43.6	103.3
2013	8	23	43.9	101.1
2013	8	24	43.8	105.1
2013	8	25	44.1	106.0
2013	8	26	44.0	102.4
2013	8	27	43.6	106.6
2013	8	28	42.8	106.5
2013	8	29	40.4	104.7
2013	8	30	41.0	109.0
2013	8	31	41.9	107.9
2013	9	1	41.6	105.0
2013	9	2	41.8	108.4
2013	9	3	42.3	106.5
2013	9	4	41.8	104.5
2013	9	5	41.7	106.7
2013	9	6	41.9	108.9
2013	9	7	43.5	105.8
2013	9	8	42.4	107.0
2013	9	9	44.8	102.8

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2013	9	10	45.4	99.1
2013	9	11	45.9	97.5
2013	9	12	45.8	102.7
2013	9	13	48.8	97.4
2013	9	14	48.6	103.0
2013	9	15	49.1	105.1
2013	9	16	48.2	106.1
2013	9	17	44.0	101.7
2013	9	18	41.4	104.8
2013	9	19	41.8	107.4
2013	9	20	46.4	102.2
2013	9	21	51.5	99.5
2013	9	22	48.0	103.9
2013	9	23	41.2	103.8
2013	9	24	41.4	103.0
2013	9	25	40.5	100.7
2013	9	26	36.8	98.7
2013	9	27	35.7	102.6
2013	9	28	35.7	103.5
2013	9	29	35.0	99.5
2013	9	30	34.9	99.5
2013	10	1	35.4	92.9
2013	10	2	35.4	92.3
2013	10	3	35.4	92.3
2013	10	4	36.3	100.0
2013	10	5	41.3	100.2
2013	10	6	47.0	100.1
2013	10	7	46.9	99.8
2013	10	8	39.0	98.2
2013	10	9	36.3	98.2
2013	10	10	38.2	97.5
2013	10	11	39.9	95.7
2013	10	12	38.2	97.3
2013	10	13	35.8	100.1
2013	10	14	36.3	96.9
2013	10	15	34.5	98.4
2013	10	16	38.3	99.6
2013	10	17	44.2	97.8
2013	10	18	39.6	100.5
2013	10	19	39.1	101.3
2013	10	20	39.0	99.4
2013	10	21	39.2	96.7
2013	10	22	38.9	98.1
2013	10	23	38.7	98.0
2013	10	24	38.4	93.7
2013	10	25	41.1	97.0
2013	10	26	39.3	97.3
2013	10	27	38.2	96.0
2013	10	28	42.5	96.4
2013	10	29	38.2	95.5
2013	10	30	38.3	93.8
2013	10	31	42.6	96.6
2013	11	1	44.4	95.8
2013	11	2	46.0	94.0

Attachment 3 Part 1, continued.

Year	Month	Day	Daily Avg. Flow E-003A (MGD)	Daily Temperature E-003A (°F)
2013	11	3	46.5	94.1
2013	11	4	47.8	91.2
2013	11	5	45.7	93.7
2013	11	6	41.7	93.7
2013	11	7	48.7	93.1
2013	11	8	45.8	93.5
2013	11	9	45.4	95.8
2013	11	10	39.3	92.9
2013	11	11	40.0	93.8
2013	11	12	41.1	94.6
2013	11	13	41.4	94.1
2013	11	14	41.6	92.5
2013	11	15	42.9	92.6
2013	11	16	43.4	92.4
2013	11	17	44.0	92.8
2013	11	18	44.0	90.8
2013	11	19	44.9	91.1
2013	11	20	46.9	91.6
2013	11	21	44.8	91.9
2013	11	22	43.6	85.5
2013	11	23	43.0	89.3
2013	11	24	45.2	91.7
2013	11	25	43.5	91.9
2013	11	26	40.6	92.3
2013	11	27	40.9	92.9
2013	11	28	41.7	94.4
2013	11	29	42.3	91.2
2013	11	30	44.4	92.8

Attachment 3 Part 2. Rodeo Facility Once-Through Cooling (OTC) data, Jan 2010–Nov 2013
Three-year avg. flow excludes 0.65 MGD demineralizer, storm, water per NPDES Finding II.B.2.

Year	Month	Day	3-yr average E-003A (MGD)	3-yr average E-003A (°F)
2012	12	30	39.32	87.45
2012	12	31	39.31	87.45
2013	1	1	39.31	87.44
2013	1	2	39.30	87.44
2013	1	3	39.29	87.44
2013	1	4	39.29	87.44
2013	1	5	39.29	87.44
2013	1	6	39.28	87.44
2013	1	7	39.28	87.44
2013	1	8	39.27	87.45
2013	1	9	39.27	87.45
2013	1	10	39.26	87.45
2013	1	11	39.26	87.44
2013	1	12	39.25	87.44
2013	1	13	39.26	87.43
2013	1	14	39.27	87.43
2013	1	15	39.26	87.43
2013	1	16	39.26	87.43
2013	1	17	39.26	87.43
2013	1	18	39.25	87.42
2013	1	19	39.24	87.43
2013	1	20	39.23	87.43
2013	1	21	39.23	87.43
2013	1	22	39.23	87.43
2013	1	23	39.24	87.43
2013	1	24	39.24	87.43
2013	1	25	39.24	87.43
2013	1	26	39.24	87.43
2013	1	27	39.24	87.43
2013	1	28	39.25	87.43
2013	1	29	39.25	87.43
2013	1	30	39.26	87.43
2013	1	31	39.26	87.43
2013	2	1	39.26	87.43
2013	2	2	39.27	87.43
2013	2	3	39.27	87.43
2013	2	4	39.28	87.43
2013	2	5	39.28	87.43
2013	2	6	39.28	87.43
2013	2	7	39.29	87.43
2013	2	8	39.29	87.43
2013	2	9	39.29	87.43
2013	2	10	39.30	87.44
2013	2	11	39.31	87.44
2013	2	12	39.32	87.44
2013	2	13	39.33	87.44
2013	2	14	39.35	87.44
2013	2	15	39.36	87.45
2013	2	16	39.37	87.45
2013	2	17	39.37	87.45
2013	2	18	39.38	87.45
2013	2	19	39.39	87.46
2013	2	20	39.41	87.45

Attachment 3 Part 2, continued.

Year	Month	Day	3-yr average E-003A (MGD)	3-yr average E-003A (°F)
2013	2	21	39.43	87.45
2013	2	22	39.44	87.45
2013	2	23	39.44	87.46
2013	2	24	39.45	87.46
2013	2	25	39.45	87.46
2013	2	26	39.45	87.46
2013	2	27	39.46	87.46
2013	2	28	39.46	87.47
2013	3	1	39.47	87.47
2013	3	2	39.46	87.48
2013	3	3	39.47	87.49
2013	3	4	39.47	87.49
2013	3	5	39.48	87.49
2013	3	6	39.49	87.49
2013	3	7	39.49	87.50
2013	3	8	39.50	87.50
2013	3	9	39.51	87.51
2013	3	10	39.52	87.52
2013	3	11	39.52	87.53
2013	3	12	39.53	87.53
2013	3	13	39.54	87.53
2013	3	14	39.54	87.53
2013	3	15	39.55	87.53
2013	3	16	39.55	87.53
2013	3	17	39.56	87.53
2013	3	18	39.56	87.53
2013	3	19	39.56	87.54
2013	3	20	39.56	87.54
2013	3	21	39.56	87.54
2013	3	22	39.57	87.54
2013	3	23	39.57	87.54
2013	3	24	39.58	87.55
2013	3	25	39.59	87.54
2013	3	26	39.59	87.53
2013	3	27	39.60	87.53
2013	3	28	39.60	87.53
2013	3	29	39.61	87.53
2013	3	30	39.62	87.54
2013	3	31	39.63	87.54
2013	4	1	39.63	87.54
2013	4	2	39.64	87.55
2013	4	3	39.64	87.55
2013	4	4	39.64	87.55
2013	4	5	39.65	87.55
2013	4	6	39.65	87.55
2013	4	7	39.65	87.55
2013	4	8	39.66	87.55
2013	4	9	39.66	87.55
2013	4	10	39.66	87.57
2013	4	11	39.65	87.58
2013	4	12	39.65	87.58
2013	4	13	39.65	87.59
2013	4	14	39.65	87.60
2013	4	15	39.65	87.59

Attachment 3 Part 2, continued.

Year	Month	Day	3-yr average E-003A (MGD)	3-yr average E-003A (°F)
2013	4	16	39.66	87.59
2013	4	17	39.66	87.59
2013	4	18	39.66	87.60
2013	4	19	39.66	87.60
2013	4	20	39.66	87.61
2013	4	21	39.66	87.61
2013	4	22	39.66	87.62
2013	4	23	39.67	87.62
2013	4	24	39.69	87.63
2013	4	25	39.70	87.63
2013	4	26	39.70	87.64
2013	4	27	39.71	87.64
2013	4	28	39.71	87.65
2013	4	29	39.71	87.66
2013	4	30	39.71	87.66
2013	5	1	39.71	87.67
2013	5	2	39.71	87.67
2013	5	3	39.70	87.67
2013	5	4	39.70	87.67
2013	5	5	39.70	87.67
2013	5	6	39.69	87.68
2013	5	7	39.70	87.68
2013	5	8	39.70	87.68
2013	5	9	39.70	87.69
2013	5	10	39.70	87.69
2013	5	11	39.70	87.70
2013	5	12	39.70	87.71
2013	5	13	39.70	87.71
2013	5	14	39.70	87.71
2013	5	15	39.70	87.71
2013	5	16	39.71	87.72
2013	5	17	39.71	87.72
2013	5	18	39.71	87.73
2013	5	19	39.71	87.73
2013	5	20	39.71	87.74
2013	5	21	39.71	87.74
2013	5	22	39.71	87.74
2013	5	23	39.72	87.75
2013	5	24	39.72	87.76
2013	5	25	39.72	87.77
2013	5	26	39.72	87.77
2013	5	27	39.72	87.78
2013	5	28	39.73	87.77
2013	5	29	39.74	87.78
2013	5	30	39.75	87.78
2013	5	31	39.76	87.78
2013	6	1	39.76	87.79
2013	6	2	39.77	87.79
2013	6	3	39.76	87.79
2013	6	4	39.76	87.79
2013	6	5	39.76	87.78
2013	6	6	39.76	87.78
2013	6	7	39.76	87.78
2013	6	8	39.76	87.78

Attachment 3 Part 2, continued.

Year	Month	Day	3-yr average E-003A (MGD)	3-yr average E-003A (°F)
2013	6	9	39.77	87.78
2013	6	10	39.77	87.78
2013	6	11	39.78	87.77
2013	6	12	39.78	87.77
2013	6	13	39.79	87.77
2013	6	14	39.80	87.78
2013	6	15	39.81	87.78
2013	6	16	39.82	87.79
2013	6	17	39.83	87.80
2013	6	18	39.84	87.81
2013	6	19	39.85	87.82
2013	6	20	39.86	87.83
2013	6	21	39.87	87.85
2013	6	22	39.88	87.86
2013	6	23	39.88	87.87
2013	6	24	39.89	87.88
2013	6	25	39.90	87.88
2013	6	26	39.90	87.88
2013	6	27	39.91	87.88
2013	6	28	39.91	87.90
2013	6	29	39.92	87.91
2013	6	30	39.92	87.91
2013	7	1	39.93	87.91
2013	7	2	39.93	87.92
2013	7	3	39.94	87.93
2013	7	4	39.94	87.93
2013	7	5	39.95	87.93
2013	7	6	39.96	87.94
2013	7	7	39.96	87.94
2013	7	8	39.97	87.95
2013	7	9	39.98	87.96
2013	7	10	39.99	87.96
2013	7	11	40.00	87.97
2013	7	12	40.02	87.98
2013	7	13	40.03	87.98
2013	7	14	40.04	87.98
2013	7	15	40.05	87.98
2013	7	16	40.06	87.98
2013	7	17	40.06	87.99
2013	7	18	40.07	87.99
2013	7	19	40.08	88.00
2013	7	20	40.08	88.01
2013	7	21	40.09	88.01
2013	7	22	40.10	88.01
2013	7	23	40.12	88.02
2013	7	24	40.13	88.02
2013	7	25	40.14	88.02
2013	7	26	40.15	88.03
2013	7	27	40.15	88.03
2013	7	28	40.16	88.03
2013	7	29	40.17	88.03
2013	7	30	40.18	88.03
2013	7	31	40.18	88.04
2013	8	1	40.19	88.05

Attachment 3 Part 2, continued.

Year	Month	Day	3-yr average E-003A (MGD)	3-yr average E-003A (°F)
2013	8	2	40.19	88.05
2013	8	3	40.19	88.05
2013	8	4	40.19	88.06
2013	8	5	40.19	88.06
2013	8	6	40.20	88.06
2013	8	7	40.20	88.07
2013	8	8	40.20	88.07
2013	8	9	40.20	88.07
2013	8	10	40.21	88.09
2013	8	11	40.21	88.09
2013	8	12	40.21	88.09
2013	8	13	40.22	88.10
2013	8	14	40.23	88.11
2013	8	15	40.24	88.12
2013	8	16	40.25	88.13
2013	8	17	40.27	88.14
2013	8	18	40.29	88.14
2013	8	19	40.30	88.16
2013	8	20	40.31	88.16
2013	8	21	40.32	88.17
2013	8	22	40.33	88.17
2013	8	23	40.34	88.18
2013	8	24	40.35	88.19
2013	8	25	40.36	88.20
2013	8	26	40.37	88.21
2013	8	27	40.38	88.23
2013	8	28	40.39	88.24
2013	8	29	40.39	88.25
2013	8	30	40.39	88.26
2013	8	31	40.40	88.28
2013	9	1	40.40	88.28
2013	9	2	40.40	88.29
2013	9	3	40.41	88.30
2013	9	4	40.41	88.31
2013	9	5	40.41	88.31
2013	9	6	40.41	88.33
2013	9	7	40.41	88.34
2013	9	8	40.41	88.35
2013	9	9	40.42	88.36
2013	9	10	40.43	88.36
2013	9	11	40.43	88.36
2013	9	12	40.44	88.37
2013	9	13	40.45	88.37
2013	9	14	40.46	88.38
2013	9	15	40.47	88.39
2013	9	16	40.48	88.39
2013	9	17	40.49	88.40
2013	9	18	40.49	88.41
2013	9	19	40.50	88.42
2013	9	20	40.50	88.42
2013	9	21	40.52	88.43
2013	9	22	40.53	88.43
2013	9	23	40.53	88.44
2013	9	24	40.54	88.44

Attachment 3 Part 2, continued.

Year	Month	Day	3-yr average E-003A (MGD)	3-yr average E-003A (°F)
2013	9	25	40.54	88.44
2013	9	26	40.55	88.44
2013	9	27	40.55	88.44
2013	9	28	40.55	88.44
2013	9	29	40.54	88.44
2013	9	30	40.54	88.44
2013	10	1	40.54	88.44
2013	10	2	40.54	88.44
2013	10	3	40.54	88.44
2013	10	4	40.54	88.44
2013	10	5	40.55	88.44
2013	10	6	40.57	88.45
2013	10	7	40.58	88.46
2013	10	8	40.58	88.46
2013	10	9	40.57	88.46
2013	10	10	40.57	88.46
2013	10	11	40.57	88.46
2013	10	12	40.57	88.46
2013	10	13	40.57	88.46
2013	10	14	40.58	88.46
2013	10	15	40.58	88.46
2013	10	16	40.59	88.47
2013	10	17	40.60	88.47
2013	10	18	40.61	88.48
2013	10	19	40.62	88.49
2013	10	20	40.63	88.50
2013	10	21	40.64	88.50
2013	10	22	40.65	88.53
2013	10	23	40.65	88.56
2013	10	24	40.66	88.57
2013	10	25	40.67	88.58
2013	10	26	40.67	88.59
2013	10	27	40.68	88.60
2013	10	28	40.69	88.61
2013	10	29	40.69	88.62
2013	10	30	40.69	88.62
2013	10	31	40.70	88.63
2013	11	1	40.71	88.63
2013	11	2	40.72	88.63
2013	11	3	40.74	88.64
2013	11	4	40.75	88.64
2013	11	5	40.76	88.64
2013	11	6	40.77	88.65
2013	11	7	40.78	88.65
2013	11	8	40.79	88.65
2013	11	9	40.81	88.66
2013	11	10	40.81	88.66
2013	11	11	40.82	88.66
2013	11	12	40.83	88.67
2013	11	13	40.84	88.67
2013	11	14	40.85	88.67
2013	11	15	40.86	88.67
2013	11	16	40.87	88.68
2013	11	17	40.88	88.68

Attachment 3 Part 2, continued.

Year	Month	Day	3-yr average E-003A (MGD)	3-yr average E-003A (°F)
2013	11	18	40.89	88.69
2013	11	19	40.90	88.69
2013	11	20	40.92	88.70
2013	11	21	40.93	88.71
2013	11	22	40.94	88.72
2013	11	23	40.95	88.72
2013	11	24	40.96	88.73
2013	11	25	40.97	88.74
2013	11	26	40.98	88.75
2013	11	27	40.99	88.76
2013	11	28	41.00	88.77
2013	11	29	41.01	88.78
2013	11	30	41.02	88.80

Attachment 3 Part 3. E-003 Average Flow findings by date, and OTC portion, various dates

Note: E-003 includes 0.2 MGD demineralizer regeneration wastewater and 0.45 MGD stormwater runoff from various nonindustrial sources (Permit Finding II.B.2)

Reference	Description	Date	E-003 (MGD)	OTC (MGD)
Permit page F-53	Phillips post CFEP* projection	2009 (Nov)	35.40	34.75
Permit page F-53	RWQCB Estimate	2005–2009	35.70	35.05
Permit Finding II.B.2	RWQCB Estimate	2011 (May)	38.30	37.65
Att. 3 Part 2	Longterm (3-yr) average	20-Jan-13	39.88	39.23
Att. 3 Part 2	Longterm (3-yr) average	30-Nov-13	41.67	41.02
DEIR page 3-27	Baseline asserted by EIR	2013 (June)	--	45.40
DEIR page 3-27	Project potential asserted by EIR	--	--	57.60

Effect of baseline assumption	Baseline (MGD)	Post-project (MGD)	Increase (MGD)	Increase (%)
Baseline assumption				
Phillips post-CFEP*	34.75	57.60	22.85	65.8%
RWQCB 2005–2009	35.05	57.60	22.55	64.3%
RWQCB May 2011	37.65	57.60	19.95	53.0%
Three-yr average as of 12 Jan 2013	39.23	57.60	18.37	46.8%
Three-yr average as of 30 Nov 2013	41.02	57.60	16.58	40.4%
Baseline asserted by EIR	45.40	57.60	12.20	26.9%

Permit: NPDES Permit CA0005053, Order R2-2011-0027, issued May 2011

* CFEP: "Clean Fuels Expansion Project" that became operational Jul–Oct 2009. See also DEIR at 3-19, 3-20.