June 12, 2009

DOCKET08-AFC-11

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Courtney Graham Yolo-Solano Air Quality Management District 1947 Galileo Ct., Suite 103 Davis, CA 95618 1801 J Street Sacramento, CA 95811 Tel: (916) 444-6666 Fax: (916) 444-8373

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Dear Ms. Graham:

On behalf of the applicant, CPV Vacaville, LLC (CPV), Sierra Research is submitting an updated Emission Offset Plan for the CPV Vaca Station (CPVVS) project (08-AFC-11). This plan describes in detail the offsets that the applicant proposes to provide in order to comply with District Regulation 3-4 and CEC air quality mitigation requirements.

Regulation 3-4 Section 302 requires emission offsets from within the Sacramento Valley Air Basin for project emissions that exceed specified levels. As summarized in Table 1, offsets must be provided for reactive organic compounds (ROCs), oxides of nitrogen (NOx), particulate matter (PM₁₀), and carbon monoxide (CO) for the CPVVS project.

| Table 1 | | | | | | | | | | | |
|--|------------------|---------------|-------------------|--|--|--|--|--|--|--|--|
| YSAQMD Offset Thresholds (Reg. 3-4 §302.2.a) | | | | | | | | | | | |
| | | Maximum CPVVS | | | | | | | | | |
| | Offset Threshold | emissions | | | | | | | | | |
| Pollutant | (lbs/quarter) | (lbs/quarter) | Offsets Required? | | | | | | | | |
| ROC | 7.500 | 26,600 | Yes | | | | | | | | |
| NOx | 7,500 | 81,140 | Yes | | | | | | | | |
| SOx | 13,650 | 7,340 | No | | | | | | | | |
| PM_{10} | 13,650 | 40,540 | Yes | | | | | | | | |
| СО | 49,500 | 104,160 | Yes | | | | | | | | |

Distance Offset Ratio

Regulation 3-4 Section 303 requires that emission offsets be discounted based on the distance between the project site and the location where the offset was generated. Most of the offsets in the CPVVS plan are from sources between 15 and 50 miles from the site. For these offsets, the discount ratio is 1.5:1 for all pollutants. Some offsets are less than 15 miles from the site; for these, the discount ratio for ozone precursors is 1.3:1, while the ratio for the other pollutants is 1.2:1. These ratios are reflected in the attached tables that show project compliance with offset requirements.

Excess Offsets

Due to a mis-match between the quarterly distributions of offsets required and those available from the identified certificates, the plan lists more offsets than are required to meet YSAQMD and CEC offset requirements for some pollutants and calendar quarters. Each table lists the quantities of offsets that must be surrendered to meet agency requirements, the list of Emission Reduction Credit (ERC) certificates from which the offsets will be drawn, and the quantities of ERCs that will be retained for future use. The specific ERCs that will be surrendered and the specific ERCs that will be retained will not be determined until ERCs are surrendered prior to the commencement of construction.

Rice Burn Credits: Pending New Applications and Revision of Old ERCs

Some of the offsets in the plan come from sources subject to the Rice Burn ERC Rule. The credits that have already been issued are subject to revaluation by YSAQMD, and the new applications for credit have not been approved. We have estimated the quantities for these offsets based on the formulae in the Rule. Because YSAQMD has not yet approved the ERCs, these estimates are subject to change. In that case, appropriate adjustments to the offset plan will be made.

Proposed ROC:NOx Interpollutant Offset Ratio

The Yolo Solano Air Quality Management District (YSAQMD) is part of the Sacramento Region, and is designated nonattainment for the federal 8-hour ozone standard. YSAQMD's New Source Review rule requires offsets for large increases in emissions of ozone precursors, which include ROC and NOx. CPV will be required to provide offsets for NOx and ROC emissions from the CPVVS project. Although most of the project's NOx emissions will be offset by NOx reductions elsewhere in the area, it has proven necessary to meet some of the NOx offset requirement using ROC in lieu of NOx.

YSAQMD allows the use of interpollutant offsets, provided the project demonstrates a net air quality benefit and the impact analysis demonstrates that the project does not worsen or cause noncompliance with any ambient air quality standard.

The goal in setting a trading ratio for interpollutant offsets is to ensure that the offsets being provided are at least as beneficial to public health as the benefits that would have been provided by the offsets that are being replaced. In the context of ozone precursors, this means that the ROC offsets being provided must be at least as beneficial in progress towards attainment as the NOx offsets that would otherwise have to be provided.

Any single ROC-NOx trade will not have a large effect on ozone, because the quantities of pollutants involved are small relative to the regional emission inventory. The CPVVS emission offset plan calls for as much as 185 lb/day (0.09 ton/day [TPD]) of NOx offsets to be replaced by ROC offsets. For comparison, YSAQMD's NOx inventory from all

sources is 43 TPD, and the Sacramento Air Basin's NOx inventory is 269.7 TPD. Because the project's emissions are relatively small, the computer models used for ozone attainment planning cannot detect the difference the project makes to ozone formation. Nevertheless, emissions of NOx contribute to ozone formation, so the goal in setting a trading ratio must be to ensure that the cumulative effect of many such trades will not compromise the area's progress towards attainment.

Use of ROC reductions as offsets for NOx increases has been approved for at least two power plant projects in the Sacramento Basin.¹ The offset ratios for these two projects were based on analysis by the applicants and reviewing agencies of the sensitivity of ozone levels to changes in NOx and ROC concentrations. The Colusa County APCD determined that a ROC:NOx ratio of 1.4:1 was appropriate for the Colusa Generating Station. The Sacramento Metropolitan Air Pollution Control District determined that a ROC:NOx ratio of 2.6:1 was appropriate for the SMUD Cosumnes project.

We propose to use the 2.6:1 ratio previously approved for the SMUD Cosumnes project. We believe that this ratio is appropriate for two reasons: (1) the Cosumnes project, like the CPVVS, is located in the Sacramento Metropolitan 8-hour Ozone Planning Region, while the Colusa Generating Station is not; and (2) the higher offset ratio is more protective of public health, and therefore provides greater confidence in the benefit provided by the trade.

Use of Offsets from Other Quarters

Rule 3-4 §302.3 requires that offsets be provided from the same calendar quarter as the proposed emissions. This is because ozone precursors have a more significant impact during the ozone season (the warmer months of the second and third calendar quarters [Q2 and Q3]). Sections 302.7 and 302.8 allow the use of offsets from the ozone season to be used as offsets in the cooler months of Q1 and Q4.

There is a shortage of available NOx offsets in YSAQMD, and that shortage is greatest in Q3. As discussed above, CPVVS will be relying on substituting ROC offsets for NOx offsets in order to meet YSAQMD offset requirements. Even after using all available NOx and ROC offsets, however, there is still a shortfall of 21.94 tons of NOx in O3.

Under the proposed plan, all available ozone precursor offsets (NOx and ROC) from ozone season quarters (Q2 and Q3) will be surrendered. YSAQMD regulations do not currently allow transfer of offsets from Q2 to Q3, even though both are ozone season quarters. Even with all ozone precursor offsets from Q2 and Q3, there is still a shortfall of 8.67 tons of NOx in Q3. Under the proposed plan, these offsets will come from Q4.

There is also a need to use 2.01 tons of NOx offsets from Q4 in Q1. YSAQMD regulations do not currently allow transfer of offsets from Q4 to Q1, even though both are ozone offseason quarters.

¹ SMUD/Cosumnes (01-AFC-19); and Colusa Generating Station (06-AFC-09).

Neither state nor federal regulations require that offsets be provided on a quarterly or seasonal basis. Most offset programs calculate emission offset requirements on an annual basis. This is generally done for several reasons. First, many of the sources that are subject to offset requirements are not seasonal—they operate year-around, and show more fluctuation between years due to business conditions than they do between seasons. Second, it is likely that, with enough permit activity, projects with different seasonality will average out. Third, and perhaps most important, the amount of permit activity is very small compared with the size of the existing emission inventory. CPVVS is a good example. NOx emissions from the project will be about 0.45 tons per day. That is about 1% of the total YSAQMD NOx inventory of 43 TPD, and less than 0.2% of the Sacramento Air Basin's NOx inventory of 269.7 TPD. This quantity is much smaller than the noise level in the 2009 Sacramento Area Ozone Plan.

CPV has requested that YSAQMD consider a revision to its offset rules that will allow more flexibility in the use of offsets from other quarters. The proposed plan maximizes the use of ozone precursor offsets generated by reductions in the ozone season. It also minimizes the use of ROC offsets in lieu of NOx. The scarcity of emission reduction credits in YSAQMD, particularly in Q3, makes it necessary to pursue a rule revision that will make YSAQMD's offset requirements more similar to those in other California jurisdictions.

CEC Mitigation Requirements

CEC policy is to consider any net emission increase of a nonattainment pollutant to be a potentially significant impact. CEC therefore requires that all emissions of nonattainment pollutants and their precursors be mitigated by offsets at a one-to-one ratio, calculated on an annual basis. Because the impact being mitigated is a regional impact, no distance adjustment is applied to offsets from within the region.

CPVVS is located in an area that is nonattainment for ozone and PM_{10} . The area is either attainment or attainment/unclassified for $PM_{2.5}$, NOx, CO, and SO₂. Because the area is nonattainment for ozone, CEC policy requires 1:1 offsets for ozone precursors (NOx and ROC); because the area is nonattainment for PM_{10} , CEC policy requires 1:1 offsets for PM_{10} and its precursors (NOx, SOx, PM_{10}).

Compliance with the CEC mitigation requirements is shown in the attached tables. The offsets required by YSAQMD rules will easily satisfy CEC requirements for all pollutants except SOx. CPVVS did not trigger YSAQMD offset requirements for SOx. In order to satisfy CEC requirements for SOx mitigation, offsets will be provided at a 1:1 ratio.

All offsets used to comply with CEC mitigation requirements come from within YSAQMD. No interpollutant offsets are proposed for CEC mitigation.

Conclusion

The attached tables list the emission offsets proposed to meet YSAQMD and CEC requirements for CPVVS. As shown in the tables, the project will comply with CEC mitigation requirements.

The plan shows compliance with YSAQMD offset requirements on a quarterly basis for all pollutants except NOx. The plan provides sufficient offsets to meet YSAQMD offset requirements for NOx on an annual basis, assuming that YSAQMD approves a VOC:NOx interpollutant ratio of 2.6:1. In order for the plan to comply with YSAQMD requirements for NOx, we are asking YSAQMD to revise its rules to allow more flexibility for the use of NOx offsets from other quarters.

Please do not hesitate to contact me if you have any questions.

Sincerely,

Steve Hill

Attachments

cc: Rod Jones, CEC

Gerardo Rios, USEPA Region 9

Andrew Welch, CPV

Mike Carroll, Latham & Watkins

Excess (shortfall), ton

ton

CPVVS Offset Plan (NOx) Table 2. Adjusted for Distance Distance Dist. Q1 Q2 Q3 Q4 Annual Q1 Q3 Q4 Annual Credit Holder Cert. No Reduction Site (miles) Ratio Adams Group EC-0189 Cty Rd 7 & Cty Road 95B 37 1.5 4,852.0 1,493.0 3,483.3 3,234.7 995.3 4,728.0 12,441.3 Adams Group EC-0191 Dunnigan 37 1.5 11.248.0 10.160.0 2.540.0 12.337.0 36.285.0 7,498.7 6,773.3 1.693.3 8.224.7 24.190.0 Adams Schwab and Adams EC-0042 Woodland 24 1.5 154.7 214.0 682.0 Beltrami Trust County Rd 36 & Cty Rd 106 2,842.0 1,277.0 1,894.7 851.3 2,746.0 EC-108 16 1.5 4,119.0 0.0 0.0 22 7.700.0 5,133.3 Calpine FC-0269 Clarksburg 1.5 5.133.3 7,700.0 0.0 0.0 0.0 City of Roseville EC-0251 Clarksburg 22 1.5 0.0 7,080.0 City of Roseville EC-0252 22 1.5 5 137 0 2 746 0 7 883 (0.0 3.424.7 0.0 5 255 3 Clarksburg 1 830 7 Conaway Pending (note) Woodland 25 1.5 16,380.0 15,210.0 4,680. 22,230.0 58,500.0 10,920.0 10,140.0 3,120.0 14,820.0 39,000.0 Coppell & Ireland EC-0114 Cty Rd 35 & Cty Rd 104 16 1.5 530.0 1,709.0 786.0 0.0 353.3 0.0 1,139.3 EC-0028 1,789.0 Hunt Wesson Foods Davis 17 1.5 1,789. 0.0 1,192.7 Jack Wallace EC-0110 Woodland 24 1.5 9,007.0 8,364.0 2,574.0 12,224.0 32,169.0 6,004.7 5,576.0 1,716.0 8,149.3 21,446.0 Laupe Panton Pending (note) 1.5 3,671.0 2,375.0 648.0 1,583.3 2,735.3 4,103.0 10,797.0 2 447 3 432.0 7,198.0 17 Pacific Coast Producers EC 0206 Davis 1.5 167.3 167.3 24 609.0 1,697.0 0.0 406.0 725.3 1,131.3 Pacific International Rice Mills EC-0223 Woodland 1.5 0.0 20,312. 14,582 Reclamation District EC-0235 (note) Reclamation District 108 37 1.5 21,874. 6,250 29,687 13,541.3 4,166. 19,791. 52,082.0 78,123.0 River Garden Farms EC-0273 (note) River Garden Farms 35 1.5 22,776.0 21,149.0 6,507.0 81,342.0 15,184.0 14,099.3 4,338.0 20,606.7 54,228.0 Teichert Aggregates EC-0240 25 1.5 594.0 356.0 341.3 396.0 237.3 1.300.0 Esparto UC Davis EC-0198 Vacaville 1.3 1,587.0 1,587.0 0.0 0.0 1,220.8 0.0 1,220.8 UC Davis EC-0199 Vacaville 6 1.3 1.388.0 1.388.0 0.0 0.0 1.067.7 0.0 1.067.7 EC-0200 **UC Davis** Vacaville 6 1.3 1,289.0 0.0 991.5 **UC Davis** EC-0263 Clarksburg 22 1.5 6,000.0 6,000.0 0.0 4,000.0 0.0 0.0 4,000.0 UC Davis EC-0297 Woodland 24 1.5 1,008.0 388. 851. 0.0 258.7 567.3 2,247.0 672.0 1,498.0 **UC Davis** EC-0298 Vacaville 6 1.3 664.0 737.0 751.0 2,152.0 0.0 510.8 566.9 1,655.4 737.0 751.0 526.2 566.9 577.7 **UC Davis** EC-0299 684.0 2.172.0 0.0 1.670.8 Vacaville 6 1.3 UC Davis EC-0320 Davis 17 1.5 10,672.0 8,890.0 10,852.0 11.265.0 41,679.0 7.114.7 5,926.7 7,234.7 7,510.0 27,786.0 Wallace Construction EC-0112 CR 16 & CR 116 31 1.5 2,058.0 1,908.0 1,130.0 2.862.0 1.695.0 1.207.0 7.822.0 804.7 1.372.0 5.214.7 24 1,216.0 1,442.0 810.7 961.3 Woodland Nut Oils EC00312 1.070.0 5 239 (3,492,7 Woodland 1.5 1,007.3 Q2 Q1 Q2 Q1 Q3 Q4 Annual Q3 Q4 Annual (Note) Total Available Offsets lb 109,701.0 127,088.0 49,433.0 144,386.0 430,608.0 73,134.0 84,863.6 33,543.8 96,411.4 287,952.8 Rice burn credit applications under review by District. Total Retained Offsets lb Offset quantities are estimated based on formulae in Rule Total Surrendered Offsets Ton 42.43 16.77 36.57 Shifting between quarters Ton 2.01 VOC for NOx (2.6:1 ratio) Ton 1.30 9.27 1.86 1.30 :1, adjusted for distance 40.57 Mitigation requirements Ton 39.88 38.43 38.83 157.71 157.71

57.60

0.00

Table 3. CPVVS Offset Plan (ROC)

| Table 3. | CPVVS Offset Pla | an (ROC) | | | | | | | | A II | | | | |
|----------------------------------|--------------------|---------------------------|---------------------|-------|----------------|-----------|----------|-----------|--------------|------------------|----------|----------|----------|--------------|
| | | | Distance | Dist. | Q1 | Q2 | Q3 | Q4 | A | Adjusted for Dis | Q2 | Q3 | Q4 | A |
| Credit Holder | Cert. No | Reduction Site | Distance (miles) | Ratio | | | us Ib | lb | Annual Ib | | lb | | lb | Annual lb |
| Adams Group | EC-0189 | Cty Rd 7 & Cty Road 95B | 37 | 1.5 | 8,087.0 | 7,509.0 | 2,311.0 | 10,975.0 | 28,882.0 | 5,391.3 | 5,006.0 | 1,540.7 | 7,316.7 | 19,254.7 |
| Adams Group | EC-0189 | Dunnigan | 37 | 1.5 | 17,408.0 | 15,723.0 | 3,931.0 | 19,093.0 | 56,155.0 | 11,605.3 | 10,482.0 | 2,620.7 | 12,728.7 | 37,436.7 |
| Adams Schwab and Adams | EC-0191 | Woodland | 24 | 1.5 | 35.0 | 34.0 | 34.0 | 47.0 | 150.0 | 23.3 | 22.7 | 22.7 | 31.3 | 100.0 |
| Alza Corporation | EC-0042 EC-0272 | Vacaville | 6 | 1.3 | 17.0 | 26.0 | 14.0 | 18.0 | 75.0 | 13.1 | 20.0 | 10.8 | 13.8 | 57.7 |
| Alza Corporation | EC-0272 EC-0321 | Vacaville | 6 | 1.3 | 382.0 | 2,800.0 | 1,913.0 | 295.0 | 5,390.0 | 293.8 | 2,153.8 | 1,471.5 | 226.9 | 4,146.2 |
| Beltrami Trust | EC-108 | County Rd 36 & Cty Rd 106 | 16 | 1.5 | 4,551.0 | 2,800.0 | 2.044.0 | 293.0 | 6,595.0 | 3,034.0 | 0.0 | 1,362.7 | 0.0 | 4,396.7 |
| Calpine | EC-0269 | Clarksburg | 22 | 1.5 | 4,551.0 | | 460.0 | 806.0 | 1,266.0 | 0.0 | 0.0 | 306.7 | 537.3 | 844.0 |
| Conaway | Pending (note) | Woodland | 25 | 1.5 | 14,805.0 | 13,747.5 | 4,230.0 | 20,092.5 | 52,875.0 | 9,870.0 | 9,165.0 | 2,820.0 | 13,395.0 | 35,250.0 |
| Coppell & Ireland | EC-0114 | Cty Rd 35 & Cty Rd 104 | 16 | 1.5 | 1,888.0 | 10,7 17.0 | 848.0 | 20,002.0 | 2,736.0 | 1,258.7 | 0.0 | 565.3 | 0.0 | 1,824.0 |
| Jack Wallace | EC-0110 | Woodland | 24 | 1.5 | 13,307.0 | 7,081.0 | 4,227.0 | 8,599.0 | 33,214.0 | 8,871.3 | 4,720.7 | 2,818.0 | 5,732.7 | 22,142.7 |
| Laupe Panton | Pending (note) | Woodiand | 24 | 1.5 | 4,370.0 | 2,828.0 | 771.0 | 4,884.0 | 12,853.0 | 2,913.3 | 1,885.3 | 514.0 | 3,256.0 | 8,568.7 |
| Leer-West | EC-0292 | Woodland | 24 | 1.5 | 11,356.0 | 11,802.0 | 12,885.0 | 9,882.0 | 45,925.0 | 7,570.7 | 7,868.0 | 8,590.0 | 6,588.0 | 30,616.7 |
| Mariani Packing Comp | EC-0287 | Vacaville | 6 | 1.3 | 11,000.0 | 11,002.0 | 139.0 | 0,002.0 | 139.0 | 0.0 | 0.0 | 106.9 | 0.0 | 106.9 |
| Mariani Packing Comp | EC-0288 | Vacaville | 6 | 1.3 | | | 139.0 | | 139.0 | 0.0 | 0.0 | 106.9 | 0.0 | 106.9 |
| Mariani Packing Comp | EC-0289 | Vacaville | 6 | 1.3 | | | 139.0 | | 139.0 | 0.0 | 0.0 | 106.9 | 0.0 | 106.9 |
| Mariani Packing Comp | EC-0290 | Vacaville | 6 | 1.3 | 120.0 | 100.0 | 111.0 | 114.0 | 445.0 | 92.3 | 76.9 | 85.4 | 87.7 | 342.3 |
| Mariani Packing Comp | EC-0291 | Vacaville | 6 | 1.3 | 120.0 | 100.0 | 111.0 | 114.0 | 445.0 | 92.3 | 76.9 | 85.4 | 87.7 | 342.3 |
| Pacific International Rice Mills | EC-0223 | Woodland | 24 | 1.5 | | | 23.0 | 58.0 | 81.0 | 0.0 | 0.0 | 15.3 | 38.7 | 54.0 |
| Reclamation District | EC-0235(note) | Reclamation District 108 | 37 | 1.5 | 19,771.0 | 18,359.0 | 5,649.0 | 26,832.0 | 70.611.0 | 13,180.7 | 12,239.3 | 3,766.0 | 17,888.0 | 47.074.0 |
| River Garden Farms | EC-0273 (note) | River Garden Farms | 35 | 1.5 | 20,586.0 | 19,116.0 | 5,882.0 | 27,938.0 | 73,522.0 | 13,724.0 | 12,744.0 | 3,921.3 | 18,625.3 | 49,014.7 |
| Teichert Aggregates | EC-0240 | Esparto | 25 | 1.5 | 54.0 | 63.0 | 38.0 | 51.0 | 206.0 | 36.0 | 42.0 | 25.3 | 34.0 | 137.3 |
| UC Davis | EC-0198 | Vacaville | 6 | 1.3 | | | 139.0 | | 139.0 | 0.0 | 0.0 | 106.9 | 0.0 | 106.9 |
| UC Davis | EC-0199 | Vacaville | 6 | 1.3 | | | 139.0 | | 139.0 | 0.0 | 0.0 | 106.9 | 0.0 | 106.9 |
| UC Davis | EC-0200 | Vacaville | 6 | 1.3 | | | 139.0 | | 139.0 | 0.0 | 0.0 | 106.9 | 0.0 | 106.9 |
| UC Davis | EC-0201 | Davis | 17 | 1.5 | | 1.0 | 188.0 | 21.0 | 210.0 | 0.0 | 0.7 | 125.3 | 14.0 | 140.0 |
| UC Davis | EC-0203 | Davis | 17 | 1.5 | | | 200.0 | 25.0 | 225.0 | 0.0 | 0.0 | 133.3 | 16.7 | 150.0 |
| UC Davis | EC-0260 | Clarksburg | 22 | 1.5 | 8.0 | 674.0 | 215.0 | 280.0 | 1,177.0 | 5.3 | 449.3 | 143.3 | 186.7 | 784.7 |
| UC Davis | EC-0261 | Clarksburg | 22 | 1.5 | 3.0 | 221.0 | 70.0 | 92.0 | 386.0 | 2.0 | 147.3 | 46.7 | 61.3 | 257.3 |
| UC Davis | EC-0262 | Clarksburg | 22 | 1.5 | 17.0 | 1,381.0 | 441.0 | 574.0 | 2,413.0 | 11.3 | 920.7 | 294.0 | 382.7 | 1,608.7 |
| UC Davis | EC-0263 | Clarksburg | 22 | 1.5 | 141.0 | 5,694.0 | 3,274.0 | 4,054.0 | 13,163.0 | 94.0 | 3,796.0 | 2,182.7 | 2,702.7 | 8,775.3 |
| UC Davis | EC-0320 | Davis | 17 | 1.5 | 177.0 | 148.0 | 181.0 | 188.0 | 694.0 | 118.0 | 98.7 | 120.7 | 125.3 | 462.7 |
| Wallace Construction | EC-0112 | CR 16 & CR 116 | 31 | 1.5 | 4,482.0 | 2,623.0 | 1,910.0 | 3,186.0 | 12,201.0 | 2,988.0 | 1,748.7 | 1,273.3 | 2,124.0 | 8,134.0 |
| Woodland Nut Oils | EC00312 | Woodland | 24 | 1.5 | 174.0 | 207.0 | 217.0 | 154.0 | 752.0 | 116.0 | 138.0 | 144.7 | 102.7 | 501.3 |
| | | | | | Q1 | Q2 | Q3 | Q4 | Annual | Q1 | Q2 | Q3 | Q4 | Annual |
| | | Total Available Offsets | | lb | 121,859.0 | 110,237.5 | 53,012.0 | 138,372.5 | 423,481.0 | 81,304.9 | 73,802.0 | 35,647.3 | 92,303.8 | 283,058.0 |
| Rice burn credit applications | | | | | - | - | | | | | | - | | |
| under review by District. | | Total Retained Offsets | | lb | 71,917.3 | | | 89,615.7 | | 47,944.9 | | | 59,743.8 | |
| Offset quantities are estimated | | | | | <u> </u> | | | | | | | | | |
| based on formulae in Rule | | Total Surrendered Offsets | | lb | 49,941.7 | 110,237.5 | 53,012.0 | 48,756.8 | 261,948.0 | 33,360.0 | 73,802.0 | 35,647.3 | 32,560.0 | 175,369.3 |
| | | | | | | | | | | | | | | |
| | | | | Ton | 24.97 | 55.12 | 26.51 | 24.38 | 130.97 | 16.68 | 36.90 | 17.82 | 16.28 | 87.68 |
| | | VOC for NOx (2.6:1 ratio) | | Ton | | | | | | (3.38) | (24.10) | (4.82) | (3.38) | (35.68) |
| | | | | _ | CEC Mitigation | | | 40.00 | | YSAQMD Offse | | | | |
| | | Mitigation requirements | | Ton | 13.30 | 12.80 | 13.00 | 12.90 | 52.00 | 13.30 | 12.80 | 13.00 | 12.90 | 52.00 |
| | | Excess (shortfall), ton | | ton | 11.67 | 42.32 | 13.51 | 11.48 | 78.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | | | | | | |

| Table 4. | CPVVS Offset Plan | n (PM10) | | | | | | | | | | | | |
|--|---------------------|--|----------|------------|-----------------|-----|--------------------|--------------------|--------------------|----------------------|--------------------|--------------------|--------------------|--------------|
| | | | | | | | | | | | Adjusted for Di | | | |
| | | D 1 41 011 | Distance | Dist. | Q1 | Q2 | | | Q4 | Annual | Q1 | Q2 | | Q4 |
| Credit Holder | Cert. No EC-0083 | Reduction Site | (miles) | Ratio | lb | lb | | | lb | lb 40,004,0 | lb | lb 000.7 | | lb 7.510.0.1 |
| Calpine | | Clarksburg | 22 | 1.5 | | _ | 1,339.0 | 28,275.0 | 11,270.0 | 40,884.0 9.788.0 | 0.0 | 892.7 | 18,850.0 | 7,513.3 |
| Calpine | EC-0269 | Clarksburg | 22 16 | 1.5 | 10.077 | | 5,316.0 | 4,472.0 5,830.0 | | | 0.0 | 3,544.0 | 2,981.3 | 0.0 |
| Grey K Holdings Grey K Holdings | EC-0303 EC-0304 | Cty Rd 36 & Cty Rd 106 Cty Rd 35 & Cty Rd 104 | 16 | 1.5 1.5 | 12,977 5,385 | | | 2,419.0 | | 18,807.0 7,804.0 | 8,651.3 3,590.0 | 0.0 | 3,886.7 1,612.7 | 0.0 |
| | | | 37 | 1.5 | | | 4.000.0 | 3,923.0 | 5,000,0 | | | | | 3,472.7 |
| Grey K Holdings Grey K Holdings | EC-0305 EC-0306 | Cty Rd 14 & Cty R 102 Cty Rd 16 & Cty Rd 116 | 37 37 | 1.5 | 11,093 9,717 | | 4,290.0 1,589.0 | 3,923.0 | 5,209.0 1,930.0 | 24,515.0 17,208.0 | 7,395.3 6,478.0 | 2,860.0 1,059.3 | 2,615.3 2,648.0 | 1,286.7 |
| Grey K Holdings | EC-0306 EC-0307 | | 37 37 | 1.5 | 10,545 | | 9,525.0 | 2,381.0 | 1,930.0 | 34,017.0 | 7,030.0 | 6,350.0 | 1,587.3 | 7,710.7 |
| | | Dunnigan | 37 37 | 1.5 | | | | | | | | | , | |
| Grey K Holdings | EC-0308 | Cty Rd 7 & Cty Road 95B | 37 6 | | 5,424 | .0 | 4,899.0 | 1,225.0 307.0 | 5,948.0 | 17,496.0 | 3,616.0 | 3,266.0 | 816.7 255.8 | 3,965.3 |
| Mariani Packing Comp | EC-0287 | Vacaville | - | 1.2 | | _ | | | | 307.0 | 0.0 | 0.0 | | 0.0 |
| Mariani Packing Comp | EC-0288 | Vacaville | 6 | 1.2 | - | _ | | 307.0 | | 307.0 | 0.0 | 0.0 | 255.8 | 0.0 |
| Mariani Packing Comp | EC-0289 | Vacaville | 6 | 1.2 | | _ | | 307.0 | | 307.0 | 0.0 | 0.0 | 255.8 | 0.0 |
| Mariani Packing Comp | EC-0290 | Vacaville | 6 | 1.2 | 166 | | 139.0 | 154.0 | 157.0 | 616.0 | 138.3 | 115.8 | 128.3 | 130.8 |
| Mariani Packing Comp | EC-0291 | Vacaville | 6 | 1.2 | 166 | 5.0 | 139.0 | 154.0 | 157.0 | 616.0 | 138.3 | 115.8 | 128.3 | 130.8 |
| Pacific International Rice Mills | EC-0223 | Woodland | 24 | 1.5 | | | 0.1.000.0 | 662.0 | 1,283.0 | 1,945.0 | 0.0 | 0.0 | 441.3 | 855.3 |
| Reclamation District | EC-0235 (note) | Reclamation District 108 | 37 | 1.5 | 26,50 | | 24,609.0 | 7,572.0 | 35,966.0 | 94,649.0 | 17,668.0 | 16,406.0 | 5,048.0 | 23,977.3 |
| River Garden Farms | EC-0273 (note) | River Garden Farms | 35 | 1.5 | 32,412 | | 30,366.0 | 10,293.0 | 37,362.0 | 110,433.0 | 21,608.0 | 20,244.0 | 6,862.0 | 24,908.0 |
| Teichert Aggregates | EC-0240 | Esparto | 25 | 1.5 | - 68 | 3.0 | 79.0 | 48.0 | 65.0 | 260.0 | 45.3 | 52.7 | 32.0 | 43.3 |
| UC Davis | EC-0198 | Vacaville | 6 | 1.2 | | | | 307.0 | | 307.0 | 0.0 | 0.0 | 255.8 | 0.0 |
| UC Davis | EC-0199 | Vacaville | 6 | 1.2 | | | | 307.0 | | 307.0 | 0.0 | 0.0 | 255.8 | 0.0 |
| UC Davis | EC-0200 | Vacaville | 6 | 1.2 | | | | 307.0 | | 307.0 | 0.0 | 0.0 | | 0.0 |
| UC Davis | EC-0201 | Davis | 17 | 1.5 | | | 2.0 | 403.0 | 46.0 | 451.0 | 0.0 | 1.3 | 268.7 | 30.7 |
| UC Davis | EC-0203 | Davis | 17 | 1.5 | | | 1.0 | 429.0 | 54.0 | 484.0 | 0.0 | 0.7 | | 36.0 |
| UC Davis | EC-0320 | Davis | 17 | 1.5 | 558 | | 465.0 | 568.0 | 590.0 | 2,181.0 | 372.0 | 310.0 | 378.7 | 393.3 |
| Woodland Nut Oils | EC00312 | Woodland | 24 | 1.5 | 2 | 2.0 | 2.0 | 2.0 | 1.0 | 7.0 | 1.3 | 1.3 | 1.3 | 0.7 |
| | | | | | Q1 | | Q2 | Q3 | Q4 | A | Q1 | Q2 | 00 | Q4 |
| Disa harmana dita andia dia a | | Total Available Offsets | | | | ~ 1 | | | | Annual | | | Q3 | |
| Rice burn credit applications | | I otal Avallable Offsets | | lb | 115,015 | 0.0 | 82,760.0 | 74,624.0 | 111,604.0 | 384,003.0 | 76,732.0 | 55,219.7 | 50,107.7 | 74,455.0 |
| under review by District. | | | | | | | | | | | | | | |
| Offset quantities are estimated based on formulae in Rule | | Total Retained Offsets | | lb | 55,192 | 2.5 | 25,174.0 | 14,356.0 | 53,577.0 | 148,299.4 | 36,795.0 | 16,782.7 | 9,570.7 | 35,718.0 |
| based on formulae in Rule | | Total Surrendered Offsets | | lb | 59.822 | 5. | 57,586.0 | 60,268.0 | 58.027.0 | 235,703.6 | 39,937.0 | 38,437.0 | 40,537.0 | 38,737.0 |
| | | Total Surferidered Offsets | | ID | 39,022 | | 37,300.0 | 00,200.0 | 30,027.0 | 233,703.0 | 39,937.0 | 30,437.0 | 40,557.0 | 30,737.0 |
| | | | | Ton | 29 | .91 | 28.79 | 30.13 | 29.01 | 117.85 | 19.97 | 19.22 | 20.27 | 19.37 |
| | | | | | | • | | | • | | - | • | • | |
| | | | | | CEC Mitiga | _ \ | | | | | | ets (1:1, adjuste | | |
| | | Mitigation requirements | | Ton | 19 | .97 | 19.22 | 20.27 | 19.37 | 78.82 | 19.97 | 19.22 | 20.27 | 19.37 |
| | | Excess (shortfall), ton | | ton | 0 | 0/ | 0.57 | 0.07 | 0.55 | 39.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2,3000 (onorman), ton | | lon | 9. | J+ | 9.57 | 9.87 | 9.65 | 39.03 | 0.00 | 0.00 | 0.00 | 0.00 |

| Table 5. | CPVVS Offset Plan | n (SOx) | | | | | | | | | | | | | | | |
|--|--------------------|---------------------------|----------------------|----------------|----------------|---------------|----------|---------|----------|--------------|--------------|------------|-------------|-----------------|--------|------------|------------|
| | | | | | | | | | | | Adjusted for | | | | | | |
| Credit Holder | Cert. No | Reduction Site | Distance | Dist. Ratio | Q1 lb | Q2 lb | Q3 lb | | Q4 lb | Annual lb | Q1 lb | Q2 lb | | Q3 lb | Q4 | Annu lb | al |
| Adams Schwab and Adams | EC-0042 | Woodland | (miles) 24 | 1.5 | 4.0 | | 4.0 | 4.0 | 5.0 | | | .7 I | 2.7 | 2.7 | lb , | 3.3 | 11.3 |
| Conaway | Pending (note) | Woodland | 2 4 25 | 1.5 | 3,465 | | 17.5 | 990.0 | 4,702.5 | 12,375.0 | 2,31 | | 2,145.0 | 660.0 | | | 8,250.0 |
| Grey K Holdings | EC-0303 | Cty Rd 36 & Cty Rd 106 | 16 | 1.5 | 440.0 | | 17.5 | 198.0 | 4,702.3 | 638.0 | 293 | | 0.0 | 132.0 | | 0.0 | 425.3 |
| Grey K Holdings | EC-0303 | Cty Rd 35 & Cty Rd 104 | 16 | 1.5 | 183.0 | | _ | 82.0 | | 265.0 | 122 | | 0.0 | 54.7 | | 0.0 | 176.7 |
| Grev K Holdings | EC-0304 EC-0305 | Cty Rd 14 & Cty R 102 | 37 | 1.5 | 1,044.0 | | 9.0 | 284.0 | 910.0 | 2.987.0 | 696 | | 499.3 | 189.3 | 606 | | 1,991.3 |
| Grey K Holdings | EC-0306 | Cty Rd 16 & Cty Rd 116 | 37 | 1.5 | 577.0 | | 7.0 | 191.0 | 337.0 | 1,382.0 | 384 | | 184.7 | 127.3 | 224 | | 921.3 |
| Grey K Holdings | EC-0307 | Dunnigan | 37 | 1.5 | 1,841.0 | | | 416.0 | 2.019.0 | 5,939.0 | 1,227 | | 1.108.7 | 277.3 | 1.346 | | 3,959.3 |
| Grey K Holdings | EC-0307 | Cty Rd 7 & Cty Road 95B | 37 | 1.5 | 947.0 | | 5.0 | 214.0 | 1,039.0 | | 631 | | 570.0 | 142.7 | 692 | | 2,036.7 |
| Laupe Panton | Pending (note) | Cty Na 7 a Cty Noda 50B | 01 | 1.5 | 1,011.0 | | | 3,943.0 | 1,129.0 | 10,355.0 | 674 | | 2,848.0 | 2,628.7 | 752 | | 6,903.3 |
| Mariani Packing Comp | EC-0287 | Vacaville | 6 | 1.2 | .,0 | , ., | 0 | 30.0 | 1,120.0 | 30.0 | | 0.0 | 0.0 | 25.0 | | 0.0 | 25.0 |
| Mariani Packing Comp | EC-0288 | Vacaville | 6 | 1.2 | | | _ | 30.0 | | 30.0 | | .0 | 0.0 | 25.0 | | 0.0 | 25.0 |
| Mariani Packing Comp | EC-0289 | Vacaville | 6 | 1.2 | | + | _ | 30.0 | | 30.0 | | .0 | 0.0 | 25.0 | | 0.0 | 25.0 |
| Mariani Packing Comp | EC-0290 | Vacaville | 6 | 1.2 | 13.0 |) 1 | 1.0 | 12.0 | 12.0 | 48.0 | 10 | | 9.2 | 10.0 | | 0.0 | 40.0 |
| Mariani Packing Comp | EC-0291 | Vacaville | 6 | 1.2 | 13.0 | | 1.0 | 12.0 | 12.0 | 48.0 | 10 | | 9.2 | 10.0 | | 0.0 | 40.0 |
| Pacific International Rice Mills | EC-0223 | Woodland | 24 | 1.5 | 0.0 | | 0.0 | 4.0 | 7.0 | 11.0 | - | .0 | 0.0 | 2.7 | | 1.7 | 7.3 |
| Reclamation District | EC-0235 (note) | Reclamation District 108 | 37 | 1.5 | 4,627 | | | 1,322.0 | 6,280.0 | | 3,08 | | 2,864.7 | 881.3 | | | 11,017.3 |
| River Garden Farms | EC-0273 (note) | River Garden Farms | 35 | 1.5 | 4,818.0 | | | 1,377.0 | 6,539.0 | 17,208,0 | 3,212 | | 2,982.7 | 918.0 | 4,359 | | 11,472.0 |
| Teichert Aggregates | EC-0240 | Esparto | 25 | 1.5 | 12.0 | | 4.0 | 9.0 | 11.0 | 46.0 | | .0 | 9.3 | 6.0 | | 7.3 | 30.7 |
| UC Davis | EC-0198 | Vacaville | 6 | 1.2 | | | | 30.0 | | 30.0 | | .0 | 0.0 | 25.0 | | 0.0 | 25.0 |
| UC Davis | EC-0199 | Vacaville | 6 | 1.2 | | | | 30.0 | | 30.0 | C | .0 | 0.0 | 25.0 | (| 0.0 | 25.0 |
| UC Davis | EC-0200 | Vacaville | 6 | 1.2 | | | | 30.0 | | 30.0 | C | .0 | 0.0 | 25.0 | (| 0.0 | 25.0 |
| UC Davis | EC-0201 | Davis | 17 | 1.5 | | | | 81.0 | 9.0 | 90.0 | C | .0 | 0.0 | 54.0 | 6 | 6.0 | 60.0 |
| UC Davis | EC-0203 | Davis | 17 | 1.5 | | | | 86.0 | 11.0 | 97.0 | | 0.0 | 0.0 | 57.3 | | 7.3 | 64.7 |
| UC Davis | EC-0258 | Clarksburg | 22 | 1.5 | 35.0 | 30 | 9.0 | 440.0 | 420.0 | 1,204.0 | 2 | 3.3 | 206.0 | 293.3 | 28 | 30.0 | 802.7 |
| Woodland Nut Oils | EC00312 | Woodland | 24 | 1.5 | 1.0 |) | 1.0 | 1.0 | 1.0 | 4.0 | C | .7 | 0.7 | 0.7 | (|).7 | 2.7 |
| | | | | | Q1 | Q2 | | Q3 | Q4 | Annual | Q1 | | Q2 | Q3 | Q4 | Annu | al |
| | | Total Available Offsets | | lb | 19,031.0 | 20,15 | 4.5 | 9,846.0 | 23,443.5 | 72,475.0 | 12,691 | .7 | 13,440.0 | 6,598.0 | 15,633 | 3.0 | 48,362.7 |
| Rice burn credit applications | | Total Retained Offsets | | lb | 11,400.0 | 11,40 | 0.0 | 9,846.0 | 11,400.0 | 44,046.0 | 7,600 | .0 | 7,600.0 | 6,564.0 | 7,600 |).0 | 48,362.7 |
| under review by District. | | T-t-1 0 d-n-1 0#t- | | 11- | 7.004 | 0.75 | 151 | 0.0 | 10.040.5 | 00.400.0 | 5.004 | 7 | 5.040.0 | 24.0 | 0.000 | | 10 000 7 |
| Offset quantities are estimated based on formulae in Rule | | Total Surrendered Offsets | | lb | 7,631.0 | 8,75 | 4.5 | 0.0 | 12,043.5 | 28,429.0 | 5,091 | .7 | 5,840.0 | 34.0 | 8,033 | 0 | 18,998.7 |
| | | | | Ton | 3.8 | 2 4 | 4.38 | 0.00 | 6.02 | 14.21 | 2 | 55 | 2.92 | 0.02 | 4 | .02 | 9.50 |
| | | | | | CEC Mitigation | on (1:1 on an | annual b | asis) | | | YSAQMD C | ffsets (1: | 1, adjusted | d for distance) | | | <u>-</u> _ |
| | | Mitigation requirements | | Ton | 3.6 | | 3.44 | 3.67 | 3.48 | 14.20 | | | , | | | 工 | 0.00 |
| | | Excess (shortfall), ton | | ton | 0.2 | | .93 | (3.67) | 2.54 | 0.01 | 2. | 55 | 2.92 | 0.02 | 4. | 02 | 9.50 |

| Table 6. | CPVVS Offset Plan | n (CO) | | | | | | | | | | | | |
|----------------------------------|-------------------|---------------------------|----------|-------|----------------|------------------|-----------|-------------|---|------------------|-------------------|-----------------|-----------|-------------|
| | | | | | | | | | | Adjusted for Dis | | | | |
| | | | Distance | Dist. | Q1 | | | Q4 | Annual | | | | | Annual |
| Credit Holder | Cert. No | Reduction Site | (miles) | Ratio | lb | | b | lb | | | | | | lb |
| Adams Schwab and Adams | EC-0042 | Woodland | 24 | 1.5 | 138.0 | 135.0 | 136.0 | 187.0 | 596.0 | 92.0 | 90.0 | 90.7 | 124.7 | 397.3 |
| Conaway | Pending (note) | Woodland | 25 | 1.5 | 180,810.0 | 167,895.0 | 51,660.0 | 245,385.0 | 645,750.0 | 120,540.0 | 111,930.0 | 34,440.0 | 163,590.0 | 430,500.0 |
| Jack Wallace | EC-0110 | Woodland | 24 | 1.5 | 109,346.0 | 56,515.0 | 35,144.0 | 68,626.0 | 269,631.0 | 72,897.3 | 37,676.7 | 23,429.3 | 45,750.7 | 179,754.0 |
| Laupe Panton | Pending (note) | | | 1.5 | 45,339.0 | 84,366.0 | 65,277.0 | 50,673.0 | 245,655.0 | 30,226.0 | 56,244.0 | 43,518.0 | 33,782.0 | 163,770.0 |
| Mariani Packing Comp | EC-0287 | Vacaville | 6 | 1.2 | | | 50.0 | | 50.0 | 0.0 | | 41.7 | 0.0 | 41.7 |
| Mariani Packing Comp | EC-0288 | Vacaville | 6 | 1.2 | | | 446.0 | | 446.0 | 0.0 | 0.0 | 371.7 | 0.0 | 371.7 |
| Mariani Packing Comp | EC-0289 | Vacaville | 6 | 1.2 | | | 843.0 | | 843.0 | 0.0 | 0.0 | 702.5 | 0.0 | 702.5 |
| Mariani Packing Comp | EC-0290 | Vacaville | 6 | 1.2 | 1,837.0 | 1,533.0 | 1,701.0 | 1,734.0 | 6,805.0 | 1,530.8 | 1,277.5 | 1,417.5 | 1,445.0 | 5,670.8 |
| Mariani Packing Comp | EC-0291 | Vacaville | 6 | 1.2 | 1,837.0 | 1,533.0 | 1,701.0 | 1,734.0 | 6,805.0 | 1,530.8 | 1,277.5 | 1,417.5 | 1,445.0 | 5,670.8 |
| Pacific Coast Producers | EC 0206 | Davis | 17 | 1.5 | 0.0 | 0.0 | 5,990.0 | 0.0 | 5,990.0 | 0.0 | 0.0 | 3,993.3 | 0.0 | 3,993.3 |
| Pacific International Rice Mills | EC-0223 | Woodland | 24 | 1.5 | 0.0 | 0.0 | 122.0 | 218.0 | 340.0 | 0.0 | 0.0 | 81.3 | 145.3 | 226.7 |
| Reclamation District | EC-0235 (note) | Reclamation District 108 | 37 | 1.5 | 241,459.0 | 224,212.0 | 68,988.0 | 327,694.0 | 862,353.0 | 160,972.7 | 149,474.7 | 45,992.0 | 218,462.7 | 574,902.0 |
| River Garden Farms | EC-0273 (note) | River Garden Farms | 35 | 1.5 | 251,412.0 | 233,454.0 | 71,832.0 | 341,202.0 | 897,900.0 | 167,608.0 | 155,636.0 | 47,888.0 | 227,468.0 | 598,600.0 |
| Teichert Aggregates | EC-0240 | Esparto | 25 | 1.5 | 359.0 | 416.0 | 250.0 | 342.0 | 1,367.0 | 239.3 | 277.3 | 166.7 | 228.0 | 911.3 |
| UC Davis | EC-0198 | Vacaville | 6 | 1.2 | | | 50.0 | | 50.0 | 0.0 | 0.0 | 41.7 | 0.0 | 41.7 |
| UC Davis | EC-0199 | Vacaville | 6 | 1.2 | | | 446.0 | | 446.0 | 0.0 | 0.0 | 371.7 | 0.0 | 371.7 |
| UC Davis | EC-0200 | Vacaville | 6 | 1.2 | | | 843.0 | | 843.0 | 0.0 | 0.0 | 702.5 | 0.0 | 702.5 |
| UC Davis | EC-0320 | Davis | 17 | 1.5 | 4,630.0 | 3,858.0 | 4,710.0 | 4,888.0 | 18,086.0 | 3,086.7 | 2,572.0 | 3,140.0 | 3,258.7 | 12,057.3 |
| Woodland Nut Oils | EC00312 | Woodland | 24 | 1.5 | 460.0 | 546.0 | 572.0 | 405.0 | 1,983.0 | 306.7 | 364.0 | 381.3 | 270.0 | 1,322.0 |
| | | | | | Q1 | Q2 | Q3 | Q4 | Annual | Q1 | Q2 | Q3 | Q4 | Annual |
| | | T . I A . II II O" . | | | | | | | | | | | | |
| Rice burn credit applications | | Total Available Offsets | | lb | 837,627.0 | 774,463.0 | 310,761.0 | 1,043,088.0 | 2,965,939.0 | 559,030.3 | 516,819.7 | 208,187.3 | 695,970.0 | 1,980,007.3 |
| under review by District. | | Total Retained Offsets | | lb | 684,661.8 | 625.322.9 | 156.027.1 | 892,473.6 | 2,358,485.4 | 456,441,2 | 416.881.9 | 104.018.1 | 594.982.4 | 1.572.323.6 |
| Offset quantities are estimated | | | | | 00.,00 | 525,5225 | , | 002, | _,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 100,111. | , | , | ., | .,0,0_0.0 |
| based on formulae in Rule | | Total Surrendered Offsets | | lb | 152,965.2 | 149,140.2 | 154,733.9 | 150,614.4 | 607,453.6 | 102,589.1 | 99,937.8 | 104,169.3 | 100,987.6 | 407,683.8 |
| | | | | Ton | 76.48 | 74.57 | 77.37 | 75.31 | 303.73 | 51.29 | 49.97 | 52.08 | 50.49 | 202.94 |
| | | | | 1011 | 76.46 | 74.57 | 11.31 | 75.31 | 303.73 | 51.29 | 49.97 | 52.06 | 50.49 | 203.84 |
| | | | | | CEC Mitigation | (1:1 on an annua | al basis) | | | YSAQMD Offse | ets (1:1, adjuste | d for distance) | | |
| | | Mitigation requirements | | Ton | | | | | 0.00 | 51.29 | 49.97 | 52.08 | 50.49 | 203.84 |
| | | Excess (shortfall), ton | | ton | 76.48 | 74.57 | 77.37 | 75.31 | 303.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | .011 | 10.40 | 14.01 | 77.07 | 70.01 | 000.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

STATE OF CALIFORNIA ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION

| In the Matter of: |) | Docket No. 08-AFC-11 |
|---|--------|----------------------|
| Application for Certification, for the CPV VACA STATION POWER PLANT |)) | PROOF OF SERVICE |
| PROJECT by CPV Vacaville, LLC |)) | (February 18, 2009) |
| |) | |

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California ISO

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Jeffrey D. Byron

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CPV VACA STATION POWER PLANT PROJECT CEC Docket No. 08-AFC-11

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CPV VACA STATION POWER PLANT PROJECT CEC Docket No. 08-AFC-11

DECLARATION OF SERVICE

I, Paul Kihm, declare that on June 15, 2009, I served and filed copies of the attached:

UPDATED EMISSION OFFSET PLAN

to all parties identified on the Proof of Service List above in the following manner:

California Energy Commission Docket Unit

Transmission via electronic mail and by depositing one original paper copy with FedEx overnight mail delivery service at Costa Mesa, California, with delivery fees thereon fully prepaid and addressed to the following:

CALIFORNIA ENERGY COMMISSION

Attn: DOCKET NO. 08-AFC-11 1516 Ninth Street, MS-4 Sacramento, California 95814-5512 docket@energy.state.ca.us

For Service to All Other Parties

- Transmission via electronic mail to all email addresses on the Proof of Service list; and
- by depositing one paper copy with the United States Postal Service via first-class mail at Costa Mesa, California, with postage fees thereon fully prepaid and addressed as provided on the Proof of Service list to those addresses **NOT** marked "email preferred."

I further declare that transmission via electronic mail and U.S. Mail was consistent with the requirements of California Code of Regulations, title 20, sections 1209, 1209.5, and 1210.

I declare under penalty of perjury that the foregoing is true and correct. Executed on June 15, 2009, at Costa Mesa, California.

Paul Kihm