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DOCKET	
08-AFC-11	
DATE	<u>SEP 04 2009</u>
RECD	<u>SEP 08 2009</u>

September 4, 2009

Mr. Rod Jones
Project Manager
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

Subject: CPV Vaca Station (08-AFC-11)
Revised Offset Plan dated September 2, 2009

Dear Mr. Jones:

Attached please find one original of CPV Vaca Station, LLC's Revised Offset Plan dated September 2, 2009 for the Application for Certification for the CPV Vaca Station Project (08-AFC-11).

If you have any questions about this matter, please contact me at (916) 286-0278.

Sincerely,

CH2M HILL

A handwritten signature in blue ink, appearing to read "Douglas M. Davy".

Douglas M. Davy, Ph.D.
AFC Project Manager

Attachment

cc: A. Welch (CPV)
S. Madams

September 2, 2009



**sierra
research**

1801 J Street
Sacramento, CA 95811
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Susan McLaughlin
Yolo-Solano Air Pollution Control District
1947 Galileo Ct., Suite 103
Davis, CA 95618

Dear Ms McLaughlin:

A revised offset plan for the CPV Vaca Station project is attached.

The District has decided to move forward with rule development that would allow for ERCs to be used interchangeably within the ozone season (second to third, third to second quarters) and within the non-ozone season (first to fourth, fourth to first quarters), as proposed in your offset plan. However, the District will not be able to include an allowance for ERCs from the non-ozone season (first and fourth quarters) to be used in the ozone season (second and third quarters). This left a shortfall in the third quarter for NOx as the previous offset plan was proposed.

The proposed offset plan addresses the shortfall by adding new ERCs from Feather River and Sacramento Districts. The purpose of the plan is to meet the requirement contained in YSAQMD Regulation 3-4 Section 409.3 to provide evidence of a sufficient number of authorized emission offset credits to meet any offset obligation under the Rule.

We believe that this is the last piece of information that has been requested by the District in order to complete its preparation of the PDOC.

Please contact me if you have additional questions.

Very truly yours,

Steve Hill

Table 2. (Rev. 8/28/09)

CPVVS Offset Plan (NOx)

Credit Holder	Source of credits	Cert. No	Reduction Site	Distance (miles)	Dist. Ratio	Adjusted for Distance										
						Q1 lb	Q2 lb	Q3 lb	Q4 lb	Annual lb	Q1 lb	Q2 lb	Q3 lb	Q4 lb	Annual lb	
Adams Group	Rice burn	EC-0189	Cty Rd 7 & Cty Road 95B	37	1.5	5,225.0	4,852.0	1,493.0	7,092.0	18,662.0	3,483.3	3,234.7	995.3	4,728.0	12,441.3	
Adams Group	Rice burn	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	
Beltrami Trust	Rice burn	EC-108	County Rd 36 & Cty Rd 106	16	1.5	2,842.0		1,277.0		4,119.0	1,894.7	0.0	851.3	0.0	2,746.0	
Conaway	Rice burn	Pending (note)	Woodland	25	1.5	16,380.0	15,210.0	4,680.0	22,230.0	58,500.0	10,920.0	10,140.0	3,120.0	14,820.0	39,000.0	
Coppell & Ireland	Rice burn	EC-0114	Cty Rd 35 & Cty Rd 104	16	1.5	1,179.0		530.0		1,709.0	786.0	0.0	353.3	0.0	1,139.3	
Jack Wallace	Rice burn	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	
Reclamation District	Rice burn	EC-0235 (note)	Reclamation District 108	37	1.5	21,874.0	20,312.0	6,250.0	29,687.0	78,123.0	14,582.7	13,541.3	4,166.7	19,791.3	52,082.0	
River Garden Farms	Rice burn	EC-0273 (note)	River Garden Farms	35	1.5	22,776.0	21,149.0	6,507.0	30,910.0	81,342.0	15,184.0	14,099.3	4,338.0	20,606.7	54,228.0	
Wallace Construction	Rice burn	EC-0112	CR 16 & CR 116	31	1.5	2,862.0	1,695.0	1,207.0	2,058.0	7,822.0	1,908.0	1,130.0	804.7	1,372.0	5,214.7	
Rice Burn Adjustment					1.5	(5,161.0)	0.0	(1,848.9)	0.0		(3,440.7)	0.0	(1,232.6)	0.0	(4,673.2)	
Jopson Ranch		98001-00R	S. Sutter County		1.5	2,789.0	2,360.0	12,106.0	1,502.0	18,757.0	1,859.3	1,573.3	8,070.7	1,001.3	12,504.7	
Proctor & Gamble		00837	Sacramento County		1.5			9,380.0		9,380.0	0.0	0.0	6,253.3	0.0	6,253.3	
State of California GS		00635	Sacramento County		1.5			1,336.0		1,336.0	0.0	0.0	890.7	0.0	890.7	
Blue Diamond Growers		00996	Sacramento County		1.5	10,147.0	1,500.0	1,500.0	975.0	14,122.0	6,764.7	1,000.0	1,000.0	650.0	9,414.7	
Element Markets		01050	Sacramento County		1.5			1,023.9		1,023.9	0.0	0.0	682.6	0.0	682.6	
Element Markets		01046	Sacramento County		1.5	4,550.0	4,550.0	4,550.0	4,550.0	18,200.0	3,033.3	3,033.3	3,033.3	3,033.3	12,133.3	
Granite Construction		00995	Sacramento County		1.5		6,771.0	6,931.0	4,000.0	17,702.0	0.0	4,514.0	4,620.7	2,666.7	11,801.3	
Lauppe, Daryl	Agricultural Burning	20002-PB-01R	S. Sutter County		1.5	2,317.5	1,499.5	409.0	2,590.0	6,816.0	1,545.0	999.7	272.7	1,726.7	4,544.0	
Lauppe, Daryl	Agricultural Burning	20009-01R	S. Sutter County		1.5	0.0	1,141.5	1,188.0	0.0	2,329.5	0.0	761.0	792.0	0.0	1,553.0	
Lauppe, Daryl	Agricultural Burning	20002-01R	S. Sutter County		1.5	1,835.5	1,187.5	324.0	2,051.5	5,398.5	1,223.7	791.7	216.0	1,367.7	3,599.0	
Adams Schwab and Adams		EC-0042	Woodland	24	1.5	237.0	232.0	233.0	321.0	1,023.0	158.0	154.7	155.3	214.0	682.0	
City of Roseville		EC-0251	Clarksburg	22	1.5		10,620.0		4,414.0	15,034.0	0.0	7,080.0	0.0	2,942.7	10,022.7	
City of Roseville		EC-0252	Clarksburg	22	1.5		5,137.0		2,746.0	7,883.0	0.0	3,424.7	0.0	1,830.7	5,253.3	
Hunt Wesson Foods		EC-0028	Davis	17	1.5			1,789.0		1,789.0	0.0	0.0	1,192.7	0.0	1,192.7	
Pacific Coast Producers		EC 0206	Davis	17	1.5			251.0		251.0	0.0	0.0	167.3	0.0	167.3	
Pacific International Rice Mills		EC-0223	Woodland	24	1.5			609.0	1,088.0	1,697.0	0.0	0.0	406.0	725.3	1,131.3	
Teichert Aggregates		EC-0240	Esparto	25	1.5	512.0	594.0	356.0	488.0	1,950.0	341.3	396.0	237.3	325.3	1,300.0	
UC Davis		EC-0198	Vacaville	6	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	
UC Davis		EC-0200	Vacaville	6	1.3			1,289.0		1,289.0	0.0	0.0	991.5	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	388.0	851.0	2,247.0	0.0	672.0	258.7	567.3	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	577.7	1,655.4	
UC Davis		EC-0299	Vacaville	6	1.3		684.0	737.0	751.0	2,172.0	0.0	526.2	566.9	577.7	1,670.8	
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	
Woodland Nut Oils		EC00312	Woodland	24	1.5	1,216.0	1,442.0	1,511.0	1,070.0	5,239.0	810.7	961.3	1,007.3	713.3	3,492.7	
						Q1	Q2	Q3	Q4	Annual	Q1	Q2	Q3	Q4	Annual	
(Note)			Total Available Offsets	lb		122,508.0	136,022.5	85,684.0	155,951.5	507,175.9	81,672.0	90,819.9	57,711.2	104,121.7	334,324.8	
Rice burn credit applications under review by District.			Total Retained Offsets	lb		14,697.0			39,336.7		9,798.0	5,088.6	3,507.1	26,224.5		
Offset quantities are estimated based on formulae in Rule			Total Surrendered Offsets	lb		107,811.0	136,022.5	85,684.0	116,614.8	446,132.3	71,874.0	85,731.3	54,204.1	77,897.2	289,706.6	
Rice burn adjustment				Ton		53.91	68.01	42.84	58.31	223.07	35.94	42.87	27.10	38.95	144.85	
The amount of available ag burn credits in the District is limited to the amounts shown below.			Shifting between quarters	Ton								(12.68)	12.68			
The certificate shown will be reduced downward to be less than the maximum.			VOC for NOx (2.6:1 ratio)	Ton							3.66	8.36	0.91	0.00		
			Mitigation requirements	Ton		39.54	38.55	40.85	38.55	157.78	39.59	38.55	40.69	38.95	157.78	
			Excess (shortfall), ton	ton		14.31	29.47	2.15	19.36	65.29	(0.00)	0.00	0.00	0.00	(0.00)	
max rice burn credits						88,232.0	81,929.7	25,209.1	119,743.4							

98001-00R added on 8/28/09
 00837 added on 8/28/09
 00635 added on 8/28/09
 00996 added on 8/28/09
 01050 added on 8/28/09
 01046 added on 8/28/09
 00995 added on 8/28/09
 Calpine EC 0341 removed on 8/31/09: unavailable per S. McLaughlin email 8/31/09

Table 3. (Rev. 8/28/09)

CPVVS Offset Plan (ROC)

Credit Holder	Source of credits	Cert. No	Reduction Site	Distance (miles)	Dist. Ratio	Adjusted for Distance										
						Q1 lb	Q2 lb	Q3 lb	Q4 lb	Annual lb	Q1 lb	Q2 lb	Q3 lb	Q4 lb	Annual lb	
Adams Group	Rice burn	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	Rice burn	EC-0191	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	
Beltrami Trust	Rice burn	EC-108	County Rd 36 & Cty Rd 106	16	1.5	4,551.0		2,044.0		6,595.0	3,034.0	0.0	1,362.7	0.0	4,396.7	
Conaway	Rice burn	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	Rice burn	EC-0114	Cty Rd 35 & Cty Rd 104	16	1.5	1,888.0		848.0		2,736.0	1,258.7	0.0	565.3	0.0	1,824.0	
Jack Wallace	Rice burn	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	
Reclamation District	Rice burn	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	Rice burn	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	
Wallace Construction	Rice burn	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	
Rice Burn Adjustment					1.5	(25,137.0)	(10,106.8)	(8,246.9)	(8,486.1)		(16,758.0)	(6,737.9)	(5,497.9)	(5,657.4)	(34,651.1)	
Lauppe, Daryl	Agricultural Burning	20002-PB-01R	S. Sutter County		1.5	2,084.5	1,355.0	369.5	2,341.0	6,160.0	1,396.3	903.3	246.3	1,560.7	4,106.7	
Lauppe, Daryl	Agricultural Burning	20009-01R	S. Sutter County		1.5	0.0	2,930.0	2,386.5	0.0	5,316.5	0.0	1,953.3	1,591.0	0.0	3,544.3	
Lauppe, Daryl	Agricultural Burning	20002-01R	S. Sutter County		1.5	2,185.0	1,414.0	385.5	2,442.0	6,426.5	1,456.7	942.7	257.0	1,628.0	4,284.3	
Adams Schwab and Adams		EC-0042	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-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-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	
Calpine		EC-0269	Clarksburg	22	1.5			460.0	806.0	1,266.0	0.0	0.0	306.7	537.3	844.0	
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			139.0		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	
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	
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	96,631.5	103,001.7	47,135.6	129,795.4	428,531.0	64,486.5	68,978.2	31,729.7	86,579.1	251,773.5
Rice burn credit applications under review by District.						lb	28,812.4			91,198.3		19,208.3			60,798.8	
Offset quantities are estimated based on formulae in Rule						lb	67,819.1	103,001.7	47,135.6	38,587.2	256,543.6	45,278.3	68,978.2	31,729.7	25,780.3	171,766.4
						Ton	33.91	51.50	23.57	19.29	128.27	22.64	34.49	15.86	12.89	85.88
Shifting between quarters						Ton										
VOC for NOx (2.6:1 ratio)						Ton						(9.51)	(21.73)	(2.37)	0.00	(33.61)
Mitigation requirements						Ton	13.13	12.76	13.50	12.89	52.27	13.13	12.76	13.50	12.89	52.27
Excess (shortfall), ton						ton	20.78	38.74	10.07	6.40	76.00	0.00	0.00	0.00	0.00	0.00
max rice burn credits							79,748.0	74,051.7	22,785.1	108,229.4						

Table 4. (Rev. 8/28/09)

CPVVS Offset Plan (PM10)

Credit Holder	Source of credits	Cert. No	Reduction Site	Distance (miles)	Dist. Ratio	Original Offsets					Adjusted for Distance				
						Q1 lb	Q2 lb	Q3 lb	Q4 lb	Annual lb	Q1 lb	Q2 lb	Q3 lb	Q4 lb	Annual lb
Grey K Holdings	Rice burn	EC-0303	Cty Rd 36 & Cty Rd 106	16	1.5	12,977.0		5,830.0		18,807.0	8,651.3	0.0	3,886.7	0.0	12,538.0
Grey K Holdings	Rice burn	EC-0304	Cty Rd 35 & Cty Rd 104	16	1.5	5,385.0		2,419.0		7,804.0	3,590.0	0.0	1,612.7	0.0	5,202.7
Grey K Holdings	Rice burn	EC-0305	Cty Rd 14 & Cty R 102	37	1.5	11,093.0	4,290.0	3,923.0	5,209.0	24,515.0	7,395.3	2,860.0	2,615.3	3,472.7	16,343.3
Grey K Holdings	Rice burn	EC-0306	Cty Rd 16 & Cty Rd 116	37	1.5	9,717.0	1,589.0	3,972.0	1,930.0	17,208.0	6,478.0	1,059.3	2,648.0	1,286.7	11,472.0
Grey K Holdings	Rice burn	EC-0307	Dunnigan	37	1.5	10,545.0	9,525.0	2,381.0	11,566.0	34,017.0	7,030.0	6,350.0	1,587.3	7,710.7	22,678.0
Grey K Holdings	Rice burn	EC-0308	Cty Rd 7 & Cty Road 95B	37	1.5	5,424.0	4,899.0	1,225.0	5,948.0	17,496.0	3,616.0	3,266.0	816.7	3,965.3	11,664.0
Reclamation District	Rice burn	EC-0235 (note)	Reclamation District 108	37	1.5	26,502.0	24,609.0	7,572.0	35,966.0	94,649.0	17,668.0	16,406.0	5,048.0	23,977.3	63,099.3
River Garden Farms	Rice burn	EC-0273 (note)	River Garden Farms	35	1.5	32,412.0	30,366.0	10,293.0	37,362.0	110,433.0	21,608.0	20,244.0	6,862.0	24,908.0	73,622.0
Rice Burn Adjustment					1.5	(7,159.0)	0.0	(7,073.3)	0.0		(4,772.7)	0.0	(4,715.5)	0.0	(9,488.2)
Lauppe, Daryl	Agricultural Burning	20002-PB-01R	S. Sutter County		1.5	2,807.5	1,816.5	495.5	3,137.5	8,257.0	1,871.7	1,211.0	330.3	2,091.7	5,504.7
Lauppe, Daryl	Agricultural Burning	20009-01R	S. Sutter County		1.5	0.0	3,312.0	3,447.0	0.0	6,759.0	0.0	2,208.0	2,298.0	0.0	4,506.0
Lauppe, Daryl	Agricultural Burning	20002-01R	S. Sutter County		1.5	2,458.0	1,509.5	434.0	2,747.5	7,149.0	1,638.7	1,006.3	289.3	1,831.7	4,766.0
Calpine		EC-0083	Clarksburg	22	1.5		1,339.0	28,275.0	11,270.0	40,884.0	0.0	892.7	18,850.0	7,513.3	27,256.0
Calpine		EC-0269	Clarksburg	22	1.5		5,316.0	4,472.0		9,788.0	0.0	3,544.0	2,981.3	0.0	6,525.3
Mariani Packing Comp		EC-0287	Vacaville	6	1.2			307.0		307.0	0.0	0.0	255.8	0.0	255.8
Mariani Packing Comp		EC-0288	Vacaville	6	1.2			307.0		307.0	0.0	0.0	255.8	0.0	255.8
Mariani Packing Comp		EC-0289	Vacaville	6	1.2			307.0		307.0	0.0	0.0	255.8	0.0	255.8
Mariani Packing Comp		EC-0290	Vacaville	6	1.2	166.0	139.0	154.0	157.0	616.0	138.3	115.8	128.3	130.8	513.3
Mariani Packing Comp		EC-0291	Vacaville	6	1.2	166.0	139.0	154.0	157.0	616.0	138.3	115.8	128.3	130.8	513.3
Pacific International Rice Mills		EC-0223	Woodland	24	1.5			662.0	1,283.0	1,945.0	0.0	0.0	441.3	855.3	1,296.7
Teichert Aggregates		EC-0240	Esparto	25	1.5	68.0	79.0	48.0	65.0	260.0	45.3	52.7	32.0	43.3	173.3
UC Davis		EC-0198	Vacaville	6	1.2			307.0		307.0	0.0	0.0	255.8	0.0	255.8
UC Davis		EC-0199	Vacaville	6	1.2			307.0		307.0	0.0	0.0	255.8	0.0	255.8
UC Davis		EC-0200	Vacaville	6	1.2			307.0		307.0	0.0	0.0	255.8	0.0	255.8
UC Davis		EC-0201	Davis	17	1.5		2.0	403.0	46.0	451.0	0.0	1.3	268.7	30.7	300.7
UC Davis		EC-0203	Davis	17	1.5		1.0	429.0	54.0	484.0	0.0	0.7	286.0	36.0	322.7
UC Davis		EC-0320	Davis	17	1.5	558.0	465.0	568.0	590.0	2,181.0	372.0	310.0	378.7	393.3	1,454.0
Woodland Nut Oils		EC00312	Woodland	24	1.5	2.0	2.0	2.0	1.0	7.0	1.3	1.3	1.3	0.7	4.7
						Q1	Q2	Q3	Q4	Annual	Q1	Q2	Q3	Q4	Annual
Rice burn credit applications under review by District. Offset quantities are estimated based on formulae in Rule				Total Available Offsets	lb	113,121.5	89,398.0	71,927.2	117,489.0	406,168.0	75,469.7	59,645.0	48,309.8	78,378.3	261,802.8
				Total Retained Offsets	lb	48,930.0	26,783.8	6,421.9	54,224.7	136,360.4	32,620.0	17,855.9	4,281.3	36,149.8	90,906.9
				Total Surrendered Offsets	lb	64,191.5	62,614.2	65,505.3	63,264.3	255,575.3	42,849.7	41,789.1	44,028.5	42,228.5	170,895.9
					Ton	32.10	31.31	32.75	31.63	127.79	21.42	20.89	22.01	21.11	85.45
				Shifting between quarters	Ton										
				VOC for NOx (2.6:1 ratio)	Ton										
				Mitigation requirements	Ton	21.42	20.89	22.01	21.11	85.45	21.42	20.89	22.01	21.11	85.45
				Excess (shortfall), ton	ton	10.67	10.41	10.74	10.52	42.34	0.00	0.00	0.00	0.00	0.00
max rice burn credits						106,896.0	99,260.6	30,541.7	145,073.1						

Table 5. (Rev. 8/28/09)

CPVVS Offset Plan (SOx)

Credit Holder	Source of credits	Cert. No	Reduction Site	Distance (miles)	Dist. Ratio	Adjusted for Distance										
						Q1 lb	Q2 lb	Q3 lb	Q4 lb	Annual lb	Q1 lb	Q2 lb	Q3 lb	Q4 lb	Annual lb	
Conaway	Rice burn	Pending (note)	Woodland	25	1.5	3,465.0	3,217.5	990.0	4,702.5	12,375.0	2,310.0	2,145.0	660.0	3,135.0	8,250.0	
Grey K Holdings	Rice burn	EC-0303	Cty Rd 36 & Cty Rd 106	16	1.5	440.0		198.0		638.0	293.3	0.0	132.0	0.0	425.3	
Grey K Holdings	Rice burn	EC-0304	Cty Rd 35 & Cty Rd 104	16	1.5	183.0		82.0		265.0	122.0	0.0	54.7	0.0	176.7	
Grey K Holdings	Rice burn	EC-0305	Cty Rd 14 & Cty R 102	37	1.5	1,044.0	749.0	284.0	910.0	2,987.0	696.0	499.3	189.3	606.7	1,991.3	
Grey K Holdings	Rice burn	EC-0306	Cty Rd 16 & Cty Rd 116	37	1.5	577.0	277.0	191.0	337.0	1,382.0	384.7	184.7	127.3	224.7	921.3	
Grey K Holdings	Rice burn	EC-0307	Dunnigan	37	1.5	1,841.0	1,663.0	416.0	2,019.0	5,939.0	1,227.3	1,108.7	277.3	1,346.0	3,959.3	
Grey K Holdings	Rice burn	EC-0308	Cty Rd 7 & Cty Road 95B	37	1.5	947.0	855.0	214.0	1,039.0	3,055.0	631.3	570.0	142.7	692.7	2,036.7	
Reclamation District	Rice burn	EC-0235 (note)	Reclamation District 108	37	1.5	4,627.0	4,297.0	1,322.0	6,280.0	16,526.0	3,084.7	2,864.7	881.3	4,186.7	11,017.3	
River Garden Farms	Rice burn	EC-0273 (note)	River Garden Farms	35	1.5	4,818.0	4,474.0	1,377.0	6,539.0	17,208.0	3,212.0	2,982.7	918.0	4,359.3	11,472.0	
Lauppe, Daryl	Agricultural Burning	20002-PB-01R	S. Sutter County	1.5	1.5	490.0	317.0	86.5	548.0	1,441.5	326.7	211.3	57.7	365.3	961.0	
Lauppe, Daryl	Agricultural Burning	20009-01R	S. Sutter County	1.5	1.5	0.0	1,809.0	1,882.5	0.0	3,691.5	0.0	1,208.0	1,255.0	0.0	2,461.0	
Lauppe, Daryl	Agricultural Burning	20002-01R	S. Sutter County	1.5	1.5	505.5	327.0	89.0	564.5	1,486.0	337.0	218.0	59.3	376.3	990.7	
Adams Schwab and Adams		EC-0042	Woodland	24	1.5	4.0	4.0	4.0	5.0	17.0	2.7	2.7	2.7	3.3	11.3	
Mariani Packing Comp		EC-0287	Vacaville	6	1.2			30.0		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	0.0	25.0	0.0	25.0	
Mariani Packing Comp		EC-0289	Vacaville	6	1.2			30.0		30.0	0.0	0.0	25.0	0.0	25.0	
Mariani Packing Comp		EC-0290	Vacaville	6	1.2	13.0	11.0	12.0	12.0	48.0	10.8	9.2	10.0	10.0	40.0	
Mariani Packing Comp		EC-0291	Vacaville	6	1.2	13.0	11.0	12.0	12.0	48.0	10.8	9.2	10.0	10.0	40.0	
Pacific International Rice Mills		EC-0223	Woodland	24	1.5	0.0	0.0	4.0	7.0	11.0	0.0	0.0	2.7	4.7	7.3	
Teichert Aggregates		EC-0240	Esparto	25	1.5	12.0	14.0	9.0	11.0	46.0	8.0	9.3	6.0	7.3	30.7	
UC Davis		EC-0198	Vacaville	6	1.2			30.0		30.0	0.0	0.0	25.0	0.0	25.0	
UC Davis		EC-0199	Vacaville	6	1.2			30.0		30.0	0.0	0.0	25.0	0.0	25.0	
UC Davis		EC-0200	Vacaville	6	1.2			30.0		30.0	0.0	0.0	25.0	0.0	25.0	
UC Davis		EC-0201	Davis	17	1.5			81.0	9.0	90.0	0.0	0.0	54.0	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	309.0	440.0	420.0	1,204.0	23.3	206.0	293.3	280.0	802.7	
Woodland Nut Oils		EC00312	Woodland	24	1.5	1.0	1.0	1.0	1.0	4.0	0.7	0.7	0.7	0.7	2.7	
Total Available Offsets						lb	19,015.5	18,335.5	7,961.0	23,427.0	68,739.0	12,681.3	12,227.3	5,341.3	15,622.0	45,872.0
Total Retained Offsets						lb	10,777.0	10,777.0	7,961.0	10,777.0	40,292.1	7,184.7	7,184.7	5,307.3	7,184.7	45,872.0
Total Surrendered Offsets						lb	8,238.5	7,558.5	0.0	12,650.0	28,446.9	5,496.7	5,042.7	34.0	8,437.3	19,010.6
Offset quantities are estimated based on formulae in Rule						Ton	4.12	3.78	0.00	6.32	14.22	2.75	2.52	0.02	4.22	9.51
Shifting between quarters						Ton										
VOC for NOx (2.6:1 ratio)						Ton										
Mitigation requirements						Ton	3.57	3.47	3.67	3.51	14.22					0.00
YSAQMD Offsets (1:1, adjusted for distance)						Ton										
Excess (shortfall), ton						ton	0.55	0.31	(3.67)	2.82	0.00	2.75	2.52	0.02	4.22	9.51
max rice burn credits							18,664.0	17,330.9	5,332.6	25,329.7						

Table 6. (Rev. 8/28/09)

CPVVS Offset Plan (CO)

Credit Holder	Source of credits	Cert. No	Reduction Site	Distance (miles)	Dist. Ratio	Adjusted for Distance										
						Q1 lb	Q2 lb	Q3 lb	Q4 lb	Annual lb	Q1 lb	Q2 lb	Q3 lb	Q4 lb	Annual lb	
Conaway	Rice burn	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	Rice burn	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	
Reclamation District	Rice burn	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	Rice burn	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	
Lauppe, Daryl	Agricultural Burning	20002-PB-01R	S. Sutter County		1.5	25,579.0	16,551.0	4,514.0	28,588.8	75,232.8	17,052.7	11,034.0	3,009.3	19,059.2	50,155.2	
Lauppe, Daryl	Agricultural Burning	20009-01R	S. Sutter County		1.5	0.0	27,514.5	28,638.0	0.0	56,152.5	0.0	18,343.0	19,092.0	0.0	37,435.0	
Lauppe, Daryl	Agricultural Burning	20002-01R	S. Sutter County		1.5	45,339.0	29,337.0	8,001.0	50,673.0	133,350.0	30,226.0	19,558.0	5,334.0	33,782.0	88,900.0	
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	
Mariani Packing Comp		EC-0287	Vacaville	6	1.2			50.0		50.0	0.0	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	
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	
Total Available Offsets						lb	863,206.0	763,499.5	286,637.0	1,071,676.8	2,985,019.3	576,083.0	509,510.7	192,104.7	715,029.2	1,992,727.5
Total Retained Offsets						lb	711,806.2	614,329.7	131,853.1	921,012.4	2,379,001.5	474,537.5	409,553.2	87,902.1	614,008.3	1,586,001.0
Total Surrendered Offsets						lb	151,399.8	149,169.8	154,783.9	150,664.4	606,017.8	101,545.5	99,957.5	104,202.6	101,020.9	406,726.5
Shifting between quarters						Ton	75.70	74.58	77.39	75.33	303.01	50.77	49.98	52.10	50.51	203.36
VOC for NOx (2.6:1 ratio)						Ton										
Mitigation requirements						Ton					0.00	50.77	49.98	52.10	50.51	203.36
Excess (shortfall), ton						ton	75.70	74.58	77.39	75.33	303.01	0.00	0.00	0.00	0.00	0.00
max rice burn credits							973,928.0	904,361.7	278,265.1	1,321,759.4						



BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
COMMISSION OF THE STATE OF CALIFORNIA
1516 NINTH STREET, SACRAMENTO, CA 95814
1-800-822-6228 – WWW.ENERGY.CA.GOV

**APPLICATION FOR CERTIFICATION
FOR THE CPV VACA STATION
BY THE CPV VACAVILLE, L.L.C.**

Docket No. 08-AFC-11

PROOF OF SERVICE

(Established 2/18/2009)

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DECLARATION OF SERVICE

I, Mary Finn, declare that on September 4, 2009, I served and filed copies of the attached CPV Vaca Station (08-AFC-11) Revised Offset Plan. The original document, filed with the Docket Unit, is accompanied by a copy of the most recent Proof of Service list, located on the web page for this project at:

[<http://www.energy.ca.gov/sitingcases/vacastation/index.html>]. The document has been sent to both the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit, in the following manner:

(Check all that Apply)

For service to all other parties:

sent electronically to all email addresses on the Proof of Service list;

by personal delivery or by depositing in the United States mail at Sacramento, California with first-class postage thereon fully prepaid and addressed as provided on the Proof of Service list above to those addresses **NOT** marked "email preferred."

AND

For filing with the Energy Commission:

sending an original paper copy and one electronic copy, mailed and emailed respectively, to the address below (preferred method);

OR

depositing in the mail an original and 12 paper copies, as follows:

CALIFORNIA ENERGY COMMISSION

Attn: Docket No. 08-AFC-11

1516 Ninth Street, MS-4

Sacramento, CA 95814-5512

docket@energy.state.ca.us

I declare under penalty of perjury that the foregoing is true and correct.



Mary Finn