

TORRANCE REFINING COMPANY

I-Plan Option 1																	B-Plan											
Combined Stack	Device ID	TORC Device ID	Category	Size (MMBtu/hr)	Baseline Unit Emissions (Tons/Year)	Representative NOx (ppmv)	Rule 1109.1 Table 1 NOx Limit (ppmv)	Rule 1109.1 Table 1 Remaining Emissions (Tons/Year)	Rule 1109.1 Table 2 NOx Limit (ppmv)	Rule 1109.1 Table 2 Remaining Emissions (Tons/Year)	Units Possibly Eligible for Conditional Limits Based on Potential Reductions (Refer to Rule 1109.1 (d)(3) for all Conditions)	Operator Selects Table 1 or Table 2 Limits (Table 2 Must Meet (d)(3))	NOx Limit Based Selected Table 1 or Table 2 Limits (ppmv)	Remaining Emissions Based on Selected Table 1 or Table 2 Limits (Tons/Year)	Operator Specifies if Unit will be Decommissioned (Yes/No)	Will Unit be Included in I-Plan (Yes/No)	Anticipated Start Date of Turnaround (Month/Year)	Expected End Date of Turnaround (Month/Year)	Phase where Permit Application will be Submitted	Phase I Alternative BARCT Emission Limit (ppmv)	Phase I BARCT Equivalent Emissions (Tons/Year)	Phase II Alternative BARCT Emission Limit (ppmv)	Phase II BARCT Equivalent Emissions (Tons/Year)					
D2320,C164,D151	D151	2C3	FCCU	-							Eligible								Phase I/II	8.0	78.2	6.1	59.6					
D2320,C164,D151	C164	2F3	CO Boiler	464	100.7	10.3	2.0	19.6	8.0	78.2	Part of FCCU	Table 2	8.0	78.2	No	Yes			Phase I	6.0	10.5	6.0	10.5					
D2320,C164,D151	D2320	2F1	FCC SU Heater	132							Part of FCCU								N/A									
	D803	2F4	Boiler	309	203.5	116.8	5.0	8.7	22.0	38.3	Not Eligible, Red > 20 TPY	Table 1	5.0	8.7	No	Yes			Phase I	6.0	10.5	6.0	10.5					
	D805*	75F1	Boiler	291		35.2	5.0	N/A	N/A	N/A	Exempt, paragraph (c)(3)	Table 1	5.0		No	No			N/A									
	D1239	30F1	Boiler	340	8	7.2	5.0	5.6	7.5	8.3	Table D-1 Eligible	Table 2	7.5	8.3	No	Yes			Phase II	7.2	8.0	7.5	8.3					
	D1236	30F2	Boiler	340	4.9	5.8	5.0	4.2	7.5	6.3	Table D-1 Eligible	Table 2	7.5	6.3	No	Yes			Phase II	5.8	4.9	7.5	6.3					
D913,D914	D913	1F1	Heater	457	48.5	16.3	5.0	14.9	22.0	65.5	Not Eligible, Red > 20 TPY	Table 1	5.0	14.9	No	Yes			Phase I/II	7.4	22.0	6.5	19.3					
D913,D914	D914	1F2	Heater	161	16.3	16.3	5.0	5.0	22.0	22.0	Not Eligible, Red > 20 TPY	Table 1	5.0	5.0	No	Yes			Phase I/II	7.4	7.4	6.5	6.5					
	D917	22F2	Heater	91	23.9	60.6	5.0	2.0	18.0	7.1	Not Eligible, Red > 10 TPY	Table 1	5.0	2.0	No	Yes			Phase I	6.0	2.4	6.0	2.4					
	D918	22F3	Heater	91	24.5	67.6	5.0	1.8	18.0	6.5	Not Eligible, Red > 10 TPY	Table 1	5.0	1.8	No	Yes			Phase I	6.0	2.2	6.0	2.2					
	D120	22F1	Heater	126	21	70	5.0	1.5	7.5	2.3	Not Eligible, Red > 20 TPY	Table 1	5.0	1.5	No	Yes			Phase II	70.0	21.0	30.0	9.0					
	D930	3F3	Heater	129	23.6	51.2	5.0	2.3	18.0	8.3	Not Eligible, Red > 20 TPY	Table 1	5.0	2.3	No	Yes			Phase I	6.0	2.8	6.0	2.8					
	D83	21F6	Heater	67	16.7	52.5	5.0	1.6	18.0	5.7	Not Eligible, Red > 10 TPY	Table 1	5.0	1.6	No	Yes			Phase II	52.5	16.7	6.0	1.9					
	D84	21F7	Heater	67	16.2	53	5.0	1.5	18.0	5.5	Not Eligible, Red > 10 TPY	Table 1	5.0	1.5	No	Yes			Phase II	53.0	16.2	6.0	1.8					
	D85	21F8	Heater	74	15.4	43.2	5.0	1.8	40.0	14.3	Not Eligible, Red > 10 TPY	Table 1	5.0	1.8	No	Yes			Phase II	43.2	15.4	6.0	2.1					
	D931	3F4	Heater	73	13.8	51.2	5.0	1.3	18.0	4.9	Not Eligible, Red > 10 TPY	Table 1	5.0	1.3	No	Yes			Phase I	6.0	1.6	6.0	1.6					
	D269	20F1	Heater	107	10.6	43.1	5.0	1.2	18.0	4.4	Potentially Eligible	Table 1	5.0	1.2	No	Yes			Phase II	43.1	10.6	6.0	1.5					
	D920	2F2	Heater	108	7.1	22.4	5.0	1.6	18.0	5.7	Potentially Eligible	Table 1	5.0	1.6	No	Yes			Phase II	22.4	7.1	6.0	1.9					
	D949*	6F1	Heater	39.6		23.8	9.0	N/A	N/A	N/A	No Table 2 Limit	Table 1	9.0		No	No			N/A									
D231,D232,D234,D235	D231	25F2A	Heater	60	0.4	13.1	5.0	0.2	18.0	0.5	Table D-1 Eligible	Table 2	18.0	0.5	No	Yes			Phase II	13.1	0.4	18.0	0.5					
D231,D232,D234,D236	D232	25F1A	Heater	60	0.5	13.1	5.0	0.2	18.0	0.7	Table D-1 Eligible	Table 2	18.0	0.7	No	Yes			Phase II	13.1	0.5	18.0	0.7					
D231,D232,D234,D237	D234	25F1B	Heater	60	0.5	13.1	5.0	0.2	18.0	0.7	Table D-1 Eligible	Table 2	18.0	0.7	No	Yes			Phase II	13.1	0.5	18.0	0.7					
D231,D232,D234,D238	D235	25F2B	Heater	60	1	13.1	5.0	0.4	18.0	1.4	Table D-1 Eligible	Table 2	18.0	1.4	No	Yes			Phase II	13.1	1.0	18.0	1.4					
	D950*	6F2	Heater	39.6		11.7	9.0	N/A	N/A	N/A	No Table 2 Limit	Table 1	9.0		No	No			N/A									
	D927*	3F1A	Heater	17.2		11.7	9.0	N/A	N/A	N/A	No Table 2 Limit	Table 1	9.0		No	No			N/A									
	D928*	3F1B	Heater	17.2		11.7	9.0	N/A	N/A	N/A	No Table 2 Limit	Table 1	9.0		No	No			N/A									
	D929*	3F2A	Heater	21.1		27.1	9.0	N/A	N/A	N/A	No Table 2 Limit	Table 1	9.0		No	No			N/A									
	D1403*	3F2B	Heater	21.1		27.1	9.0	N/A	N/A	N/A	No Table 2 Limit	Table 1	9.0		No	No			N/A									
	C952	29F4	SRU/TGI	100	15.9	19.6	30.0	24.3	N/A	N/A	No Table 2 Limit	Table 1	30.0	24.3	No	Yes			Phase II	19.6	15.9	30.0	24.3					
	C686	72F2	Vapor Incinerator	4	2.8	38	30.0	2.2	40.0	2.9	Eligible	Table 2	40.0	2.9	No	Yes			Phase I	40.0	2.9	40.0	2.9					
	C626	28F11	Vapor Incinerator	60	7.2	45.4	30.0	4.8	40.0	6.3	Eligible	Table 1	30.0	4.8	No	Yes			Phase II	45.4	7.2	30.0	4.8					
	C687	72F4	Vapor Incinerator	4	1.2	38	30.0	0.9	40.0	1.3	Eligible	Table 2	40.0	1.3	No	Yes			Phase I	40.0	1.3	40.0	1.3					
Baseline Facility Emissions					584.2							Facility Final Phase Target					174.7											
*Unit not included in plan																				Facility BARCT Emission Target					Phase I Target	256.6	Phase II Target	174.7

Confidential Business Information - Redacted

Total Facility NOx Emission Reductions (tons per year)	Phase I Percent Reduction Target	Phase II Percent Reduction Target
409.5	80	100
Permit Application Submittal Date	January 1, 2023	January 1, 2031