

COASTAL ZONE ENVIRONMENTAL IMPACT OFFSET MATRIX

Applicant:
Project:
CZA Offset Review Reference: (DNREC Only)

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Application Date:
Amendments:
Offset Review Date: (DNREC Use Only)
Matrix Amended:

ENVIRONMENTAL IMPACTS	(Applicant's Use) DESCRIBE ENVIRONMENTAL IMPACTS	PAGE NO.	(Applicant's Use) DESCRIBE ENVIRONMENTAL OFFSET PROPOSAL ¹	PAGE NO.	(DNREC Use Only) OFFSET SUFFICIENCY Yes, No or N/A
Air Quality (Applicant to List Below by Parameter)					
NOx	3.6 tpy	12	Combination of emission reductions from voluntary environmental improvement projects and acquired offset credits – see Attachment H Table 1 and Attachment J		
SO2	0.035 tpy	12	Combination of emission reductions from voluntary environmental improvement projects and acquired offset credits – see Attachment H Table 1 and Attachment J		
VOC	3.9 tpy	12	Combination of emission reductions from voluntary environmental improvement projects and acquired offset credits – see Attachment H Table 1 and Attachment J		
TSP	0.44 tpy	12	Combination of emission reductions from voluntary environmental improvement projects and acquired offset credits – see Attachment H Table 1 and Attachment J		
CO	4.8 tpy	12	Not required		
HAPs	1.1 tpy (included in VOCs above)	12	See VOC offset		
CO2	18,898 tpy	12	Not required		
Water Quality					
Surface	None expected	14			
Groundwater	None expected	14			
Water Use For:					
Processing	30,000 gpd (steam – boiler feed water)	16	Water and wastewater reductions (see Attachment H Table 2 and habitat and wetland restoration (see Attachment I) from voluntary environmental improvement projects		
Cooling	50,000 gpd	16	Water and wastewater reductions (see Attachment H Table 2 and habitat and wetland restoration (see Attachment I) from voluntary environmental improvement projects		
Effluent Removal	None expected				
Solid Waste	Incremental – no estimate available	18			
Hazardous Waste	Incremental – no estimate available	19			
Habitat					
Wetlands	None	20-21			
Flora Fauna	None	20-21			
Drainage/Flood Control	None	14-15			
Erosion ²	None – sediment and erosion controls will installed in accordance with DNREC Sediment & Stormwater Program regulations and recommended practices	15			
Land Use Effects		22			
Glare	Expected but at levels below historic levels				
Heat	Expected but at levels below historic levels				
Noise	Expected but at levels below historic levels				
Odors	None expected				
Vibration	None expected				
Radiation	None expected				
Electro-Magnetic Interference	None expected				
Other Effects	None expected				
Threatened & Endangered Species	None expected – all construction will be within the historic footprint of previous chemical manufacturing facilities	20			
Impacts From:					
Raw Material	Air emissions as described above				
Intermediate Products	Air emissions as described above				
By-Products	Air emissions as described above				
Final Products	Air emissions as described above – current raw material				

¹ See paragraph I.1.b in "Secretary Assessment"

² Construction and normal operation