COASTAL ZONE ENVIRONMENTAL IMPACT OFFSET MATRIX

Applicant: Cirillo Bros.,Inc.
Project: Aggregate Crusher, 761 Grantham Lane, New Castle, DE
Application Date: 2-10-09
CZA Offset Review Reference: (DNREC Only)

Amendments:
Offset Review Date: (DNREC Use Only)
Matrix Amended: 2-19-09

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)		pp.		See Proposed Offset Plan for Aggregate Crusher Facility (Appendix 7)	
NOx	The proposed project will not result in any NOx emissions.	13	The offset proposal will result in a slight increase in NOx (0.0083 tons/year) which is considered negligible.		
SO2	The proposed project will not result in any SO2 emissions.	13	The offset proposal will result in a slight decrease in SO2 (0.1609 tons/year).		
CO	The proposed project will not result in any CO emissions.	13	The offset proposal will result in a slight decrease in CO (0.0001 tons/year).		
PM	The proposed project will result in an estimated increase of 0.07 tons per year of PM.	13	The offset proposal will result in a slight decrease in PM (0.0049 tons/year).		
VOCs	The proposed project will not result in any VOC emissions.	13	The offset proposal will result in a slight increase in VOC (0.0003 tons/year) which is considered negligible.		
Water Quality					
Surface	No impact.				
Groundwater	No impact				
Water Quantity					
Surface	No impact				
Groundwater	No impact				
Water Use For:					
Processing	A small amount of water (maximum usage of 2850 gallons per day) will be used during operations for dust control.	17	Water will be used for dust control.		
Cooling	No impact				
Effluent Removal	No impact				
Solid Waste	No impact				
Hazardous Waste	No impact				
Habitat					
Wetlands	No impact				
Flora Fauna	No impact				
Drainage/Flood Control	Existing storm water detention basin is of adequate size to handle 100 year, 24 hour storm event	16			
Erosion[2]	No impact				
Land Use Effects					
Glare	No impact				
Heat	No impact				
Noise	No impact				
Odors	No impact				
Vibration	No impact				
Radiation	No impact				
Electro-Magnetic Interference	No impact				
Other Effects	None				
Threatened & Endangered Species	No impact.				
Impacts From:					
Raw Material	Not applicable.				
Intermediate Products	Not applicable.				
By-Products	Not applicable.				
Final Products	Not applicable				
Other			The applicant is proposing a one time financial contribution of $2,500.00 to a local school to assist in replacement of an aging hot water heating system(system will be converted from fuel oil to natural gas)		