

Visual Effects Screening Analysis for
Source: SPOT
Class I Area: San Bernard NWR

*** Level-1 Screening ***

Input Emissions for

Particulates	8.10	TON/YR
NOx (as NO2)	223.00	TON/YR
Primary NO2	0.00	TON/YR
Soot	0.00	TON/YR
Primary SO4	0.00	TON/YR

**** Default Particle Characteristics Assumed

Transport Scenario Specifications:

Background Ozone:	0.04 ppm
Background Visual Range:	20.00 km
Source-Observer Distance:	52.00 km
Min. Source-Class I Distance:	52.00 km
Max. Source-Class I Distance:	70.00 km
Plume-Source-Observer Angle:	11.25 degrees
Stability:	6
Wind Speed:	1.00 m/s

R E S U L T S

Asterisks (*) indicate plume impacts that exceed screening criteria

Maximum Visual Impacts INSIDE Class I Area
Screening Criteria ARE NOT Exceeded

Backgrnd	Theta	Azi	Distance	Alpha	Delta E		Contrast	
					Crit	Plume	Crit	Plume
=====	=====	=====	=====	=====	=====	=====	=====	=====
SKY	10.	84.	52.0	84.	2.00	0.089	0.05	0.000
SKY	140.	84.	52.0	84.	2.00	0.027	0.05	-0.001
TERRAIN	10.	84.	52.0	84.	2.00	0.005	0.05	0.000
TERRAIN	140.	84.	52.0	84.	2.00	0.001	0.05	0.000

Maximum Visual Impacts OUTSIDE Class I Area
Screening Criteria ARE NOT Exceeded

Backgrnd	Theta	Azi	Distance	Alpha	Delta E		Contrast	
					Crit	Plume	Crit	Plume
=====	=====	=====	=====	=====	=====	=====	=====	=====
SKY	10.	70.	49.4	99.	2.00	0.094	0.05	0.000
SKY	140.	70.	49.4	99.	2.00	0.029	0.05	-0.001
TERRAIN	10.	60.	47.6	109.	2.00	0.007	0.05	0.000
TERRAIN	140.	60.	47.6	109.	2.00	0.002	0.05	0.000