ATTACHMENT A
(Kinder Morgan Bulk Terminals, Inc. - Port Manatee)

TAMPA BAY STEVEDORES, INC
APPLICATION FOR PORT MANATEE LOCATION
MATERIALS HANDLED

MATERIAL	PARTICLE SIZE MULTIPLIER k	MEAN WIND SPEED (mph)	MOISTURE CONTENT (%)	UNCONTROLLED EMISSION FACTOR (lbs/ton)	CONTROL EFFICIENCY (%)	CONTROLLED EMISSION FACTOR (lbs/ton)	ANNUAL LOADING/ UNLOADING RATE (TPY)	CRANE LOADING/ UNLOADING RATE (TPH)	CRANE HOURLY EMISSION RATE (lbs/hr)	CRANE ANNUAL EMISSION RATE (TPY)	HOPPER LOADING RATE (TPH)	HOPPER HOURLY EMISSION RATE (lbs/hr)	HOPPER ANNUAL EMISSION RATE (TPY)	TRUCK LOADING RATE (TPH)	TRUCK HOURLY EMISSION RATE (lbs/hr)	TRUCK ANNUAL EMISSION RATE (TPY)	MAXIMUM HOURLY EMISSION RATE (lbs/hr)	TOTAL ANNUAL EMISSION RATE (TPY)
SCRAP IRON	0.35	6	1	0.00375	0	0	400000	200	0.75	0.75	NA	NA	NA	NA	NA	NA	0.75	0.75
STONE/ROCK	0.35	6	5	0.00039	0	0	100000	250	0.10	0.02	125	0.04920	0.01968	125	0.04920	0.01968	0.20	0.04
SAND	0.35	6	5	0.00039	0	0	100000	400	0.16	0.02	125	0.04920	0.01968	125	0.04920	0.01968	0.24	0.04
SALT	0.35	6	2	0.00142	0	0	100000	300	0.43	0.07	125	0.17744	0.07098	125	0.17744	0.07098	0.78	0.21
UREA	0.35	6	1	0.00375	0	0	30000	300	1.12	0.06	125	0.46828	0.05619	125	0.46828	0.05619	2.04	0.17
SLAG	0.35	6	4	0.00054	0	0	18000	250	0.13	0.00	NA	NA	NA	NA	NA	NA	0.13	0.00
PHOSPHATE PRODUCTS	0.35	6	1.5	0.00212	75	0.00159	400000	600	0.96	0.32	NA	NA	NA	NA	NA	NA	0.96	0.32
PHOSPHATE ROCK	0.35	6	3	0.00080	0	0	50000	150	0.12	0.02	NA	NA	NA	NA	NA	NA	0.12	0.02
ALUMINA HYDRATE	0.11	6	1	0.00118	0	0	35000	150	0.18	0.02	100	0.11774	0.02060	100	0.11774	0.02060	0.41	0.06
BAUXITE	0.35	6	6	0.00030	0	0	25000	150	0.03	0.00	125	0.03811	0.00381	125	0.03811	0.00381	0.12	0.01
CEMENT CLINKER	0.11	6	1	0.00118	0	0	25000	150	0.18	0.01	125	0.14717	0.01472	125	0.14717	0.01472	0.47	0.04
COAL	0.35	6	4.5	0.00046	0	0	150000	150	0.07	0.03	125	0.05702	0.03421	125	0.05702	0.03421	0.18	0.10
DOLOMITE	0.35	6	0.7	0.00617	0	0	100000	150	0.93	0.31	125	0.77156	0.30862	125	0.77156	0.30862	2.47	0.93
FERTILIZER	0.35	6	2	0.00142	0	0	450000	150	0.21	0.32	125	0.17744	0.31940	125	0.17744	0.31940	0.57	0.96
GLASS	0.35	6	1	0.00375	0	0	25000	150	0.56	0.05	125	0.46828	0.04683	125	0.46828	0.04683	1.50	0.14
GRAVEL	0.35	6	5	0.00039	0	0	50000	125	0.05	0.01	125	0.04920	0.00984	125	0.04920	0.00984	0.15	0.03
GYPSUM	0.35	6	5	0.00039	0	0	25000	150	0.06	0.00	125	0.04920	0.00492	125	0.04920	0.00492	0.16	0.01
LIME ROCK	0.35	6	0.7	0.00617	0	0	25000	150	0.93	0.08	125	0.77156	0.07716	125	0.77156	0.07716	2.47	0.23
POT ASH	0.11	6	1	0.00118	0	0	25000	150	0.18	0.01	125	0.14717	0.01472	125	0.14717	0.01472	0.47	0.04
PUMICE	0.35	6	5	0.00039	0	0	50000	150	0.06	0.01	125	0.04920	0.00984	125	0.04920	0.00984	0.16	0.03
SHALE	0.35	6	1	0.00375	0	0	25000	150	0.56	0.05	125	0.46828	0.04683	125	0.46828	0.04683	1.50	0.14
IRON ORE	0.35	6	1	0.00375	0	0	25000	125	0.47	0.03	100	0.37462	0.04683	100	0.37462	0.04683	1.22	0.14
TOTAL																		4.47