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**Sparrows Point LNG Project**  
**Draft Environmental Impact Statement**

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## ACRONYMS AND ABBREVIATIONS

$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
ABSG	ABSG Consulting Inc.
ACHP	Advisory Council on Historic Preservation
AES	AES Sparrows Point LNG, LLC
AET	apparent effects threshold
AMSC	Area Maritime Security Committee
ANSI	American National Standards Institute
APE	area of potential effect
API	American Petroleum Institute
AQCRs	Air quality control regions
ARMP	Aquatic Resources Mitigation Plan
ASCE	American Society of Civil Engineers
ASME	American Society of Mechanical Engineers
ASMFC	Atlantic States Marine Fishery Commission
ASTM	American Society for Testing and Materials
ATWS	additional temporary workspaces
AWOIS	Automated Wreck and Obstruction Information System
BA	biological assessment
BACT	best available control technology
Bcfd	billion cubic feet per day
BGE	Baltimore Gas & Electric Company
BMP	Best Management Practice
BOG	boil-off-gas
BSC	Bethlehem Steel Corporation
BTS	Bureau of Transportation Statistics
Btu	British thermal unit
BWI	Barletta Willis Inc. – current owners of the Sparrows Point Shipyard and owners of the proposed LNG terminal site
CAA	Clean Air Act
CAAA	1990 Clean Air Act Amendments
CAROW	Controlled Access Rights-of-Way
CCNPP	Calvert Cliffs Nuclear Power Plant
CDC	certain dangerous cargo
CEII	critical energy infrastructure information
CEMS	continuous emissions monitoring system
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental response, Compensation and Liability Act
Certificate	Certificate of Public Convenience and Necessity
cfm	cubic feet per minute
CFR	Code of Federal Regulations
CFRA	Coastal Facilities Review Act
CIS	close interval surveys
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
Coast Guard	U.S. Coast Guard
COE	U.S. Army Corps of Engineers
Columbia	Columbia Gas Transmission Corporation
COMAR	Code of Maryland Regulations

## ACRONYMS AND ABBREVIATIONS (cont'd)

Commission	Federal Energy Regulatory Commission
COTP	Captain of the Port (U.S. Coast Guard)
CPT	Cone Penetration Test
CR <sup>6+</sup>	hexavalent chromium
CWA	Clean Water Act
CY	cubic yards
CZMA	Coastal Zone management Act of 1972
CZMP	Coastal Zone Management Program
dBA	decibels on the A-weighted scale
DEIS	Draft Environmental Impact Statement
DHMH	Maryland Department of Health and Mental Hygiene
DMCF	Dredged Material Containment Facilities
DMPA	dredged material placement area
DMRF	dredged material recycling facility
DOD	U.S. Department of Defense
DOE	U.S. Department of Energy
DOJ	U.S. Justice Department
DOT	U.S. Department of Transportation
Dth/d	dekatherms per day
DWPA	Deepwater Port Act
ECMR Program	Environmental Compliance Monitoring and Reporting Program
ECP	Environmental Construction Plan
EFH	essential fish habitat
EI	Environmental Inspector
EIA	U.S. Department of Energy, Energy Information Administration
EIS	environmental impact statement
EMS	Emergency Medical Service
EPA	U.S. Environmental Protection Agency
ERC	emergency release coupling
ERP	Emergency Response Plan
ESA	Endangered Species Act
ESD	emergency shutdown
Excelerate	Excelerate Energy, L.L.C.
FCA	Maryland Forest Conservation Act
FCP	Forest Conservation Plan
FEED	Front-end Engineering Design
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FPC	Federal Power Commission
FMSC	Federal MARSEC Coordinator
FSD	Forest Stand Delineation
FSO	Facility Security Officer
FSRU	Floating, storage, and regasification units
FWS	U.S. Fish and Wildlife Service
g	gravity
g/ml	grams per milliliter
GAO	U.S. Government Accountability Office
GBS	gravity based structure

## ACRONYMS AND ABBREVIATIONS (cont'd)

GES	Groundwater & Environmental Services
GH	natural gas-fired heaters
GI	gastrointestinal
gpm	gallons per minute
GPS	Global Positioning System
Gulf Gateway	Gulf Gateway Energy Bridge
HAP	hazardous air pollutant
HCA's	high consequence areas
HDD	horizontal directional drill
HNI	Highway Needs Inventory
HP	high pressure
hp	horsepower
HPA	Habitat Protection Area
HTF	heat transfer fluid
HUD	U.S. Department of Housing and Urban Development
IBC	International Building Code
IDA	Intensely Developed Area
IMO	International Maritime Organization
INGAA	Interstate Natural Gas Association of America
IP	intermediate pressure
km	kilometers
K <sub>oc</sub>	organic carbon partition coefficient
kPa	kilopascals
kV	kilovolt
LAER	Lowest Achievable Emission Rate
lb/kWh	pounds per kilowatt hour
lb/MMBtu	pound per MMBtu
LDA	Limited Development Area
L <sub>dn</sub>	day-night sound level
L <sub>eq</sub>	equivalent sound level
L <sub>eq(24)</sub>	24-hour equivalent sound level
LFL	lower flammable limit
LHG	liquid hazardous gas
LNG	liquefied natural gas
LOI	Letter of Intent
LOR	Letter of Recommendation
LOS	Level of Service
LP	low pressure
LUST	leaking underground storage tank
m <sup>3</sup>	cubic meters
MACT	Maximum Achievable Control Technology
MAOP	maximum allowable operating pressure
MAFMC	Mid-Atlantic Fishery Management Council
MAPA	Old Maryland and Pennsylvania Railroad
MARAD	Maritime Administration of the DOT
MARSEC	Homeland Security and Coast Guard Marine Security
MCE	Maximum Considered Earthquake
MCS	Management Classification System

## ACRONYMS AND ABBREVIATIONS (cont'd)

MCY	million cubic yards
MDE	Maryland Department of the Environment
MDNR	Maryland Department of Natural Resources
MDOT	Maryland Department of Transportation
MD-SHPO	Maryland State Historic Preservation Officer
Memorandum	Memorandum of Understanding on Natural Gas Transportation Facilities
mg/L	milligrams per liter
MHHW	Mean Higher High Water
MHT	Maryland Historic Trust
Mid-Atlantic Express	Mid-Atlantic Express, L.L.C.
MIHP	Maryland Inventory of Historic Places
MLLW	Mean Lower Low Water
MLV	mainline valve
MMcfd	million cubic feet per day
MMI	Modified Mercalli Intensity
MP	milepost
MPSC	Maryland Public Service Commission
MSA	Magnuson-Stevens Fishery Conservation and Management Act
MSFCMA	Magnuson-Stevens Fishery Conservation Management Act
msl	mean sea level
MSO	Marine Safety Office
MSSA	Maryland Saltwater Sport Fisherman's Association
MSU	Marine Safety Unit
MTA	Maryland Transportation Authority
MTBE	Methyl tert-butyl ether
NAAQS	National Ambient Air Quality Standards
NAVD88	North American Vertical Datum of 1988
NDE	nondestructive examination
NEHRP	National Earthquake Hazard Reduction Program
NEPA	National Environmental Policy Act of 1969
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NFPA	National Fire Protection Association
NFRAP	No Further Remedial Action Planned
ng/g	nanograms/gram
NGA	Natural Gas Act
NGS	National Geodetic Survey
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NNSR	Nonattainment New Source Review
NO <sub>2</sub>	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent to Prepare an Environmental Impact Statement for the Proposed Sparrows Point LNG and Mid-Atlantic Express Pipeline
Northeast Gateway	Northeast Gateway Energy Bridge
NO <sub>x</sub>	nitrogen oxides
NPC	National Petroleum Council
NPL	National Priority List
NRCS	Natural Resources Conservation Service

## ACRONYMS AND ABBREVIATIONS (cont'd)

NRHP	National Register of Historic Places
NSA	noise sensitive area
NSPS	New Source Performance Standards
NSR	New Source Review
NTWSSC	Nontidal Wetland of Special State Concern
NVIC 05-05	<i>Navigation and Vessel Inspection Circular – Guidance on Assessing the Suitability of a Waterway for Liquefied Natural Gas (LNG) Marine Traffic</i>
NWI	National Wetland Inventory
NWR	National Wildlife Refuges
O <sub>3</sub>	ozone
OBE	Operating Basis Earthquake
OCRM	NOAA Office of Coast and Ocean Resource Management
OEP	FERC's Office of Energy Projects
OPS	Office of Pipeline Safety
OSHA	Occupational Safety and Health Administration
PAH	polycyclic aromatic hydrocarbon
PA-SHPO	Pennsylvania State Historic Preservation Officer
PAX	Patuxent River Naval Air Station
Pb	lead
PCBs	polychlorinated biphenyls
PDCNR	Pennsylvania Department of Conservation and Natural Resources
PDEP	Pennsylvania Department of Environmental Protection
PDM	processed dredged material
PEL	Probable Effects Level
PERC	powered emergency release coupling
PFBC	Pennsylvania Fish and Boat Commission
pg/L	picograms per liter
PGA	peak ground acceleration
PHEL	potentially highly erodible land
PHMSA	Pipeline and Hazardous Materials Safety Administration
PHPCP	<i>Pipeline Hydrotesting and Pre-Commissioning Plan</i>
Plan	Upland Erosion Control, Revegetation and Maintenance Plan
PM	particulate matter
PM <sub>10</sub>	particulate matter having an aerodynamic diameter of 10 microns or less
PM <sub>25</sub>	particulate matter having an aerodynamic diameter of 2.5 microns or less
PNDI	Pennsylvania Natural Diversity Inventory
POB	Port of Baltimore
POTW	Publicly Owned Treatment Works
ppm	parts per million
ppmdv	parts per million dry volume
ppt	part-per trillion
Procedures	<i>Wetland and Waterbody Construction and Mitigation Procedures</i>
PSD	Prevention of Significant Deterioration
psig	pounds per square inch gauge
PSM	Process Safety Management
PTE	potential to emit
PVC	polyvinyl chloride

## ACRONYMS AND ABBREVIATIONS (cont'd)

Quest	Quest Consultants, Inc.
RACT	Reasonably Available Control Technology
RCA	Resource Conservation Area
RCRA	Resource Conservation and Recovery Act
RMP	risk management plan
RNA	Regulated Navigation Area
ROW	right-of-way
RPT	rapid phase transition
RSPA	Research and Special Programs Administration (DOT)
Sandia Report	<i>Guidance on Risk Analysis and Safety Implications of a Large Liquefied Natural Gas (LNG) Spill Over Water</i>
SAV	submerged aquatic vegetation
SCADA	Supervisory Control and Data Acquisition
scfm	standard cubic feet per minute
SCR	Selective Catalytic Reduction
SCV	submerged combustion vaporizers
sf	square feet
SHA	State Highway Administration
SHPO	State Historic Preservation Office
SIGTTO	Society of International Gas Tanker and Terminal Operators
SIL	significant impact level
SIP	state implementation plan
SNG	Southern Natural Gas Company
SO <sub>2</sub>	sulfur dioxide
SOLAS	International Convention for the Safety of Life at Sea
SONRIS	Strategic Online Natural Resource Information System
SPCC Plans	Spill Prevention, Control and Countermeasure Plans
SPMS	special purpose monitoring stations
SPS	SPS Limited Partnership LLLP
SPT	Standard Penetration Test
SQuiRT	Screening Quick Reference Tables
SR	State Route
SRBC	Susquehanna River basin Commission
SSBP	site-specific blasting plan
SSE	Safe Shutdown Earthquake
SSTL	Site Specific Target Level
SSURGO	Soil Survey Geographic Information
STATSGO	State Soil Geographic Information
STL buoy	submerged turret loading buoy
STV	Shell and Tube Vaporization
SVOC	semi volatile organic compound
sw	solid waste
SWAs	Solid Waste Acceptance Facilities
SWL	Solid Waste Landfill
TEL	Threshold Effects Level
TETCO	Texas Eastern Transmission Corporation
TNT	trinitrotoluene
TOC	Total Organic Carbon

## ACRONYMS AND ABBREVIATIONS (cont'd)

TPH	total petroleum hydrocarbons
tpy	tons per year
Transco	Transcontinental Gas Pipeline Corporation
Trunkline Gas	CMS Trunkline Gas Company, L.L.C.
TSP	total suspended particulate
TSS	Traffic Separation Scheme
USC	United States Code
USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey
uV	ultraviolet
VCP	Voluntary Cleanup Program
VDEQ	Virginia Department of Environmental Quality
VIMS	Virginia Institute of Marine Science
VOC	volatile organic compound
VOL	volatile organic liquid
WEG	wind erodibility group
WRAW	Waterway Risk Assessment Workshop
WSA	waterway sustainability assessment
WSR	Waterway Suitability Report
Yd <sup>3</sup>	cubic yards