

**2012 Additional Block E  
Soil Investigation Report  
Lockheed Martin Middle River Complex  
2323 Eastern Boulevard  
Middle River, Maryland**

Prepared for:

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# ACRONYMS

As	arsenic
AST	aboveground storage tank
ATC	anticipated typical concentration
BaPEq	benzo(a)pyrene equivalent
bgs	below ground surface
BTEX	benzene, toluene, ethyl benzene, and xylenes
CCTV	closed-circuit television
COC	contaminant(s) of concern
COPC	contaminant(s) of potential concern
CrVI	hexavalent chromium
CSM	conceptual site model
14-DCB	1,4-dichlorobenzene
DNAPL	dense non-aqueous-phase liquids
DPT	direct-push technology
DRO	diesel-range organics
EDD	electronic data deliverable(s)
EESH	energy, environment, safety, and health
EGIS	environmental geographic information system
ERI	electrical resistivity imaging
ESA	environmental site assessment
ft/d	feet per day
GIS	geographic information system
g/d/ft	gallon(s) per day per foot
gpm	gallon(s) per minute
GPR	ground-penetrating radar
GPS	global positioning system
GRO	gasoline-range organics
HASP	health and safety plan
HHRA	human health risk assessment
HI	hazard index
ILCR	incremental lifetime cancer risk
IDW	investigation-derived waste
IRM	interim remedial measures

kip	kilopound
LMCPI	Lockheed Martin Corporation Properties, Inc.
LNAPL	light non-aqueous phase liquid
Lockheed Martin	Lockheed Martin Corporation
MDE	Maryland Department of the Environment
µg/kg	microgram(s) per kilogram
µg/L	microgram(s) per liter
mg/kg	milligram(s) per kilogram
MRAS	Middle River Aircraft Systems
MRC	Middle River Complex
MS2—S&AS	Mission Systems & Sensors—Ships & Aviation Systems
msl	mean sea level
NPDES	National Pollutant Discharge Elimination System
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
pCi/g	picocurie(s) per gram
PDF	portable document format
PID	photoionization detector
PM	project manager
PPE	personal protective equipment
ppm	part(s) per million
REC	recognized environmental condition
RSL	regional screening level
SVOC	semivolatile organic compound
123-TCB	1,2,3-trichlorobenzene
124-TCB	1,2,4-trichlorobenzene
TCE	trichloroethene
Tetra Tech	Tetra Tech, Inc.
t-PCB	total polychlorinated biphenyl
TPH	total petroleum hydrocarbon
TSCA	Toxic Substances Control Act
UCC	utility cross-connection
USCS	Unified Soil Classification System
USDA	United States Department of Agriculture
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
UST	underground storage tanks

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VC vinyl chloride  
VOC volatile organic compound

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