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Hudson River
PCBs SUPERFUND SITE

Hudson River PCBs Superfund Site Quality of Life Performance Standards

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United States Environmental Protection Agency

Hudson River PCBs Superfund Site
Quality of Life
Performance Standards

May 2004

Prepared for:
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2

and

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To All Interested Parties:

The U.S. Environmental Protection Agency (USEPA) is pleased to release the *Quality of Life Performance Standards* for the Hudson River PCBs Superfund Site (Site). The document presents the performance standards for air quality, odor, noise, lighting, and navigation that were developed by USEPA in accordance with its 2002 Record of Decision (ROD) for the Site.

EPA released an earlier draft version, the December 2003 *Draft Quality of Life Performance Standard – Public Review Copy* on December 19, 2003 and accepted public comments on this document from December 19, 2003 through February 17, 2004.

Copies of the *Quality of Life Performance* are available online at EPA's web site for the Hudson River PCBs Site (www.epa.gov/hudson), or at the site information repositories, or by calling the Hudson River Field Office at 518-747-4389 or toll-free at 866-615-6490. If you need additional information regarding the Quality of Life Performance Standards or the Hudson River PCBs Site in general, please contact EPA's Community Involvement Coordinator, Mr. Leo Rosales, at the Hudson River Field Office.

Sincerely yours,

George Pavlou, Director
Emergency and Remedial Response Division

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List of Abbreviations and Acronyms

AGCs	annual guideline concentrations
ANSI	American National Standards Institute
ARARs	applicable or relevant and appropriate requirements
CAA	Clean Air Act
CAG	Community Advisory Group
CB	citizen band (radio)
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CHABA	Committee on Hearing, Bioacoustics, and Biomechanics
CO	carbon monoxide
dB	decibels
dBA	A-weighted decibels
DNL	day-night average sound levels
EPM	Environmental Procedures Manual (NYSDOT)
FHWA	Federal Highway Administration
FS	Feasibility Study
Hz	Hertz
IESNA	Illuminating Engineering Society of North America
IRIS	Integrated Risk Information System
L_{eq}	continuous equivalent sound level
$L_{eq}(h)$	hourly average equivalent sound level

List of Abbreviations and Acronyms (cont.)

L_{10}	sound pressure level exceeded 10% of the time
NAAQS	National Ambient Air Quality Standards
NAC	noise abatement criteria
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NIH	National Institute of Health
NIOSH	National Institute for Occupational Safety and Health
NO_2	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NO_x	nitrogen oxides
NYCRR	Official Compilation of NY State Codes, Rules, and Regulations
NYSCC	New York State Canal Corporation
NYSDAR	New York State Division of Air Resources
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
NYSEG	New York State Electric and Gas
O_3	ozone
OSHA	Occupational Safety and Health Administration
Pb	lead
PCBs	polychlorinated biphenyls
PM	particulate matter
PM_{10}	particulate matter smaller than 10 microns in diameter
$PM_{2.5}$	particulate matter smaller than 2.5 microns in diameter
ppm	parts per million
PUF	polyurethane foam

List of Abbreviations and Acronyms (cont.)

RA	remedial action
RA CHASP	Remedial Action Community Health and Safety Plan
RD	remedial design
ROD	Record of Decision
RS	Responsiveness Summary
SIP	State Implementation Plan
SMU	sediment management unit
SO_2	sulfur dioxide
SPLs	sound pressure levels
TBC	to be considered
TNM	traffic noise model
USACE	United States Army Corps of Engineers
U.S.C.	United States Code
USCG	United States Coast Guard
USEPA	United States Environmental Protection Agency
USHUD	United States Department of Housing and Urban Development
VHF	very high frequency (radio)
VOC	volatile organic compound
W HASP	Worker Health and Safety Plan
WHO	World Health Organization