

LIST OF ACRONYMS/ABBREVIATIONS

(%EPT) Percent ephemeroptera, plecoptera, or tricoptera	(CERCLA) Comprehensive Environmental Response, Compensation, and Liability Act
(°F) degrees Fahrenheit	(CFE) chemical for evaluation
(µg/L) microgram(s) per liter	(CFPE) chemical for potential evaluation
(µg/m ³) microgram(s) per cubic meter	(CFR) Code of Federal Regulations
(µm) micrometer(s)	(cfs) cubic feet per second
(ACHP) Advisory Council on Historic Preservation	(CH ₄) methane
(ACI) Aquatic Connectivity Index	(CIR) color infrared
(ACM) Asbestos-Containing Material	(Cliffs Erie) Cliffs Erie, LLC
(AERA) Air Emissions Risk Analysis	(cm/sec) centimeter(s) per second
(AERMOD) AMS/USEPA Regulatory Model	(CO) carbon monoxide
(amsl) above mean sea level	(CO ₂) carbon dioxide
(ANFO) Ammonium Nitrate Fuel Oil Mixture	(CO ₂ e) carbon dioxide equivalents
(AOC) Area of Concern	(CPS) Central Pumping Station
(APE) Area of Potential Effect	(CPT) Cone Penetrometer Testing
(AQRV) Air Quality Related Value	(CR) County Road
(AST) Aboveground Storage Tank	(cRNA) candidate Research Natural Area
(ASTM) American Society for Testing and Materials	(CSAPR) Cross State Air Pollution Rule
(Au/PGM) gold and platinum group metals	(Cv) coefficient of consolidation
(AWMP) Adaptive Water Management Plan	(CWA) Clean Water Act
(BACT) Best Available Control Technology	(DAT) Deposition Analysis Threshold
(BART) Best Available Retrofit Technology	(dB) decibel(s)
(Barr) Barr Engineering	(dBA) A-weighted decibel(s)
(BBER) Bureau of Business and Economic Research	(dbh) diameter at breast height
(BDL) below detection limit	(dBL) linear-weighted decibel(s)
(bgs) below ground surface	(DDT) dichlorodiphenyltrichloroethane
(Bois Forte) Bois Forte Band of Chippewa	(DEIS) Draft Environmental Impact Statement - November 2009
(BP) before present	(DIRRRCo) Duluth & Iron Range Railroad Co.
(BWCAW) Boundary Waters Canoe Area Wilderness	(DOT) department of transportation
(CAA) Clean Air Act	(DRI) direct reduced iron
(CAIR) Clean Air Interstate Rule	(dv) deciview
(CALPUFF) California Puff Model	(e.g.) for example
(Cc) coefficient of compression	(EAW) Environmental Assessment Worksheet
(CCP) Communication and Coordination Plan	(EC) elemental carbon
(CEAA) Cumulative Effects Assessment Area	(ECS) Ecological Classification System
(CEQ) United States Council on Environmental Quality	(EDR) Environmental Data Resources, Inc.
	(EIS) Environmental Impact Statement
	(EJ) Environmental Justice
	(ELT) Ecological Land Type

(EO) Executive Order	(HEPA) High-efficiency Particulate Air
(EPCRA) Emergency Planning and Community Right-to-Know Act	(Hg(p)) particle-bound mercury
(EQB) Environmental Quality Board	(Hg) mercury
(ERC) Emergency Response Commission	(Hg+2) oxidized mercury
(ERM) Environmental Resources Management	(HI) hazard index
(ESA) Endangered Species Act	(hp) horsepower
(ESSA) Effective Stress Stability Analysis	(HRL) Health Risk Limit
(ETSC) Endangered, Threatened, and Special Concern	(HUD) United States Department of Housing and Urban Development
(Feasibility Analysis) Forest Service Land Exchange - November 2009	(Hz) Hertz
(FEIS) Final Environmental Impact Statement	(i.e.) that is
(FEMA) Federal Emergency Management Agency	(IBI) Index of Biological Integrity
(FLAG) Federal Land Managers' Air Quality Related Values Work Group	(IMPROVE) Interagency Monitoring of Protected Visual Environments
(FLM) Federal Land Manager	(in/s) inch(es) per second
(Fond du Lac) Fond du Lac Band of Lake Superior Chippewa	(IPCC) Intergovernmental Panel on Climate Change
(Forest Plan) 2004 Superior National Forest Land and Resource Management Plan	(IRIS) Integrated Risk Information System
(FR) Federal Register	(ISO) International Standards Organization
(FSA) Farm Service Administration	(IWAQM) Interagency Workgroup on Air Quality Modeling
(ft) foot or feet	(kg) kilogram(s)
(ft/day) feet per day	(kg/ha/yr) kilogram(s) per hectare per year
(ft/ft) feet per foot	(kg/m ²) kilogram(s) per square meter
(ft/sec) feet per second	(km) kilometer
(ft ²) square feet	(ksf) kip(s) per square foot
(FTE) Full-time Equivalent	(L ₁₀) noise level exceeding standard for 10% of the monitored time
(GAP) Gap Analysis Program	(L ₅₀) noise level exceeding standard for 50% of the monitored time
(GCM) global climate model	(LAU) Lynx Analysis Unit
(GHG) greenhouse gas	(lb/MMBTU) pound(s) per million British thermal units
(GIS) Geographic Information System	(lbs/yr) pound(s) per year
(GLIFWC) Great Lakes Indian Fish & Wildlife Commission	(LDPE) low-density polyethylene
(GLO) General Land Office	(L _{eq}) equivalent noise levels
(gpm) gallon(s) per minute	(LLDPE) linear low-density polyethylene
(GPS) Global Positioning System	(LQ) location quotient
(gpy) gallon(s) per year	(LTA) Land Type Association
(gr/dscf) grains per dry standard cubic foot	(LTVSMC) LTV Steel Mining Company
(Grand Portage) Grand Portage Band of Lake Superior Chippewa	(MAAQS) Minnesota Ambient Air Quality Standards
(GWL) groundwater level	(MACT) Maximum Achievable Control Technology
(H ₂ S) hydrogen sulfide	(MBS) Minnesota Biological Survey
(HAP) Hazardous Air Pollutant	(MCL) Maximum Contaminant Level
(HBI) Hilsenhoff Biotic Index	

(MCWCS) Minnesota Comprehensive Wildlife Conservation Strategy	(NO _x) nitrogen oxides
(MDH) Minnesota Department of Health	(NPDES) National Pollutant Discharge Elimination System
(MDNR) Minnesota Department of Natural Resources	(NRCS) Natural Resources Conservation Service
(MEI) maximum exposed individual	(NRHP) National Register of Historic Places
(MEPA) Minnesota Environmental Policy Act	(NSPS) New Source Performance Standards
(MEQB) Minnesota Environmental Quality Board	(NWI) National Wetlands Inventory
(mg/kg) milligram(s) per kilogram	(O ₃) ozone
(mg/L) milligram(s) per liter	(OSHA) Occupational Safety and Health Administration
(MGD) million gallons per day	(PAX) potassium amyl xanthate
(MIBC/DF250) methyl isobutyl carbinol and polyglycol ether	(Pb) lead
(MIH) Management Indicator Habitat	(PCB) polychlorinated biphenyl
(mm) millimeter(s)	(PGE) platinum group element
(mm/s) millimeter(s) per second	(PGM) platinum group metals
(MMBTU) 1 million British thermal units	(Phase I ESA) Phase I Environmental Site Assessment
(MMREM) MPCA's mercury risk estimation method	(PM) particulate matter
(MN-fiber) Minnesota regulated fiber	(PM ₁₀) particulate matter up to 10 micrometers in diameter
(MnRAM) Minnesota Routine Assessment Method	(PM _{2.5}) particulate matter up to 2.5 micrometers in diameter
(MOA) Memorandum of Agreement	(PMC) coarse particulate matter
(MODFLOW) groundwater model	(PMF) fine particulate matter
(MOU) Memorandum of Understanding	(PolyMet) PolyMet Mining Corporation
(MPCA) Minnesota Pollution Control Agency	(POTW) Publically Owned Treatment Works
(m/s) meter(s) per second	(ppm) part(s) per million
(MSDS) Material Safety Data Sheet	(PPV) peak particle velocity
(MSHA) Mine Safety and Health Act	(PRB) permeable reactive barrier
(mtpy) metric ton(s) per year	(PSB) permeable sorptive barrier
(NA) not applicable	(PSD) Prevention of Significant Deterioration
(NAAQS) National Ambient Air Quality Standards	(psig) pounds per square inch gauge
(NAC) Noise Area Classification	(QHEI) Qualitative Habitat Evaluation Index
(NAICS) North American Industrial Classification System	(RASS) Risk Assessment Screening Spreadsheet
(NEPA) National Environmental Policy Act	(RCI) Riparian Connectivity Index
(NESHAP) National Emission Standards for Hazardous Air Pollutants	(REL) reference exposure level
(ng/L) nanogram(s) per liter	(RFSS) Regional Foresters Sensitive Species
(NHFEU) National Hierarchy Framework of Ecological Units	(RGU) Responsible Governmental Unit
(NHIS) Natural Heritage Information System	(RME-OSW) reasonable maximum exposed off-site worker
(NHPA) National Historic Preservation Act	(RNA) Research Natural Area
(NIOSH) National Institute for Occupational Safety and Health	(RO) reverse osmosis
(NO ₂) nitrogen dioxide	(ROD) Record of Decision
(NOI) Notice of Intent	(ROS) Recreation Opportunity Spectrum

(ROW) right-of-way	(TRI) Toxics Release Inventory
(SAP) Sampling and Analysis Plan	(TSI) Trophic Status Index
(SDD) Scoping Decision Document	(TSP) total suspended particulates
(SDEIS) Supplemental Draft Environmental Impact Statement	(TWP) Treated Water Pipeline
(SDS) State Disposal System	(U.S. Steel) United States Steel Corporation
(SGCN) Species of Greatest Conservation Need	(UBA) Unique Biological Area
(SHPO) State Historic Preservation Office (SIA) significant impact area	(UMD) University of Minnesota Duluth
(SIC) Standard Industrial Classification	(USACE) United States Army Corps of Engineers
(SIL) Significant Impact Limit	(USC) United States Code
(SIO) Scenic Integrity Objective	(USDA) United States Department of Agriculture
(SIP) State Implementation Plan	(USEPA) United States Environmental Protection Agency
(sMCL) Secondary Maximum Contaminant Level	(USFS) United States Forest Service
(SNA) Scientific and Natural Area	(USFWS) United States Fish and Wildlife Service
(SO ₂) sulfur dioxide	(USGS) United States Geological Survey
(SO ₄) sulfate(s)	(USSA) Undrained Strength Stability Analysis
(SOA) secondary organic aerosols	(UST) Underground Storage Tank
(SOC) Standard Occupational Classification	(VIC) Voluntary Investigation and Cleanup
(SPCC) Spill Prevention, Control, and Countermeasure	(VOC) Volatile Organic Compound
(stpd) standard ton(s) per day	(WCA) Wetland Conservation Act
(stpy) standard ton(s) per year	(WWTF) Wastewater Treatment Facility
(Strategic Plan) USDA Forest Service Strategic Plan FY 2007-2012 Goals	(WWTP) Wastewater Treatment Plant
(S) sulfur	(XP-SWMM) surface water model
(SVOC) Semi-volatile Organic Compound	
(SWPPP) Storm Water Pollution Prevention Plan	
(TBD) to be determined	
(TCP) Traditional Cultural Property	
(TDS) Total Dissolved Solids	
(106 Group) The 106 Group Ltd.	
(the Bands) Bois Forte Band of Chippewa, Grand Portage Band of Lake Superior Chippewa, and the Fond du Lac Band of Lake Superior Chippewa	
(THPO) Tribal Historic Preservation Office	
(TMDL) Total Maximum Daily Load	
(tpd) ton(s) per day	
(TPPP) Toxic Pollution Prevention Plan	
(tpy) ton(s) per year	
(Tract 1) Hay Lake Lands	
(Tract 2) Lake County Lands	
(Tract 3) Wolf Lands	
(Tract 4) Hunting Club Lands	
(Tract 5) McFarland Lake Lands	