

## LIST OF ACRONYMS/ABBREVIATIONS

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

(FEIS) Final Environmental Impact Statement	(ISO) International Standards Organization
(FEMA) Federal Emergency Management Agency	(kg) kilogram(s)
(FLAG) Federal Land Managers' Air Quality Related Values Work Group	(kg/ha/yr) kilogram(s) per hectare per year
(FLM) Federal Land Manager	(kg/m <sup>2</sup> ) kilogram(s) per square meter
(Fond du Lac) Fond du Lac Band of Lake Superior Chippewa	(km) kilometer
(Forest Plan) 2004 Superior National Forest Land and Resource Management Plan	(ksf) kip(s) per square foot
(FR) Federal Register	(L <sub>10</sub> ) noise level exceeding standard for 10% of the monitored time
(ft) foot or feet	(L <sub>50</sub> ) noise level exceeding standard for 50% of the monitored time
(ft/day) feet per day	(LAU) Lynx Analysis Unit
(ft/ft) feet per foot	(lb/MMBTU) pound(s) per million British thermal units
(ft/sec) feet per second	(lbs/yr) pound(s) per year
(ft <sup>2</sup> ) square feet	(LDPE) low-density polyethylene
(FTE) Full-time Equivalent	(L <sub>eq</sub> ) equivalent noise levels
(GAP) Gap Analysis Program	(LLDPE) linear low-density polyethylene
(GHG) greenhouse gas	(LQ) location quotient
(GIS) Geographic Information System	(LTA) Land Type Association
(GLIFWC) Great Lakes Indian Fish & Wildlife Commission	(LTVSMC) LTV Steel Mining Company
(GLO) General Land Office	(MAAQS) Minnesota Ambient Air Quality Standards
(gpm) gallon(s) per minute	(MACT) Maximum Achievable Control Technology
(GPS) Global Positioning System	(MBS) Minnesota Biological Survey
(gpy) gallon(s) per year	(MCL) Maximum Contaminant Level
(gr/dscf) grains per dry standard cubic foot	(MCWCS) Minnesota Comprehensive Wildlife Conservation Strategy
(Grand Portage) Grand Portage Band of Lake Superior Chippewa	(MDH) Minnesota Department of Health
(H <sub>2</sub> S) hydrogen sulfide	(MDNR) Minnesota Department of Natural Resources
(HAP) Hazardous Air Pollutant	(MEI) maximum exposed individual
(HBI) Hilsenhoff Biotic Index	(MEPA) Minnesota Environmental Policy Act
(HEPA) High-efficiency Particulate Air	(MEQB) Minnesota Environmental Quality Board
(Hg(p)) particle-bound mercury	(mg/kg) milligram(s) per kilogram
(Hg) mercury	(mg/L) milligram(s) per liter
(Hg+2) oxidized mercury	(MGD) million gallons per day
(HI) Hazard Index	(MIBC/DF250) methyl isobutyl carbinol and polyglycol ether
(hp) horsepower	(MIH) Management Indicator Habitat
(HRL) Health Risk Limit	(mm) millimeter(s)
(Hz) Hertz	(mm/s) millimeter(s) per second
(i.e.) that is	(MMBTU) 1 million British thermal units
(IBI) Index of Biological Integrity	(MN-fiber) Minnesota regulated fiber
(IMPROVE) Interagency Monitoring of Protected Visual Environments	
(in/s) inch(es) per second	
(IPCC) Intergovernmental Panel on Climate Change	

(MnRAM) Minnesota Routine Assessment Method	(PM <sub>2.5</sub> ) 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	(RCI) Riparian Connectivity Index
(NEPA) National Environmental Policy Act	(REL) reference exposure level
(NESHAP) National Emission Standards for Hazardous Air Pollutants	(RFSS) Regional Foresters Sensitive Species
(ng/L) nanogram(s) per liter	(RGU) Responsible Governmental Unit
(NHFEU) National Hierarchy Framework of Ecological Units	(RME-OSW) reasonable maximum exposed off-site worker
(NHIS) Natural Heritage Information System	(RNA) Research Natural Area
(NHPA) National Historic Preservation Act	(RO) reverse osmosis
(NIOSH) National Institute for Occupational Safety and Health	(ROD) Record of Decision
(NO <sub>2</sub> ) nitrogen dioxide	(ROS) Recreation Opportunity Spectrum
(NOI) Notice of Intent	(ROW) right-of-way
(NO <sub>x</sub> ) nitrogen oxides	(SAP) Sampling and Analysis Plan
(NPDES) National Pollutant Discharge Elimination System	(SDD) Scoping Decision Document
(NRCS) Natural Resources Conservation Service	(SDEIS) Supplemental Draft Environmental Impact Statement
(NRHP) National Register of Historic Places	(SDS) State Disposal System
(NSPS) New Source Performance Standards	(SGCN) Species of Greatest Conservation Need
(NWI) National Wetlands Inventory	(SHPO) State Historic Preservation Office
(O <sub>3</sub> ) ozone	(SIC) Standard Industrial Classification
(OSHA) Occupational Safety and Health Administration	(SIL) Significant Impact Limit
(PAX) potassium amyl xanthate	(SIO) Scenic Integrity Objective
(Pb) lead	(SIP) State Implementation Plan
(PCB) polychlorinated biphenyl	(sMCL) Secondary Maximum Contaminant Level
(PGE) platinum group element	(SNA) Scientific and Natural Area
(PGM) platinum group metals	(SO <sub>2</sub> ) sulfur dioxide
(Phase I ESA) Phase I Environmental Site Assessment	(SO <sub>4</sub> ) sulfate(s)
(PM) particulate matter	(SPCC) Spill Prevention, Control, and Countermeasure
(PM <sub>10</sub> ) particulate matter up to 10 micrometers in diameter	(stdpd) standard ton(s) per day

(stpy) standard ton(s) per year  
(S) sulfur  
(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  
(TRI) Toxics Release Inventory  
(TSI) Trophic Status Index  
(TSP) total suspended particulates  
(TWP) Treated Water Pipeline  
(U.S. Steel) United States Steel Corporation  
(UBA) Unique Biological Area  
(UMD) University of Minnesota Duluth  
(USACE) United States Army Corps of Engineers  
(USC) United States Code  
(USDA) United States Department of Agriculture  
(USEPA) United States Environmental Protection Agency  
(USFS) United States Forest Service  
(USFWS) United States Fish and Wildlife Service  
(USGS) United States Geological Survey  
(USSA) Undrained Strength Stability Analysis  
(UST) Underground Storage Tank  
(VIC) Voluntary Investigation and Cleanup  
(VOC) Volatile Organic Compound  
(WCA) Wetland Conservation Act  
(WWTF) Wastewater Treatment Facility  
(WWTP) Wastewater Treatment Plant  
(XP-SWMM) surface water model