PEBBLE PROJECT
ENVIRONMENTAL BASELINE DOCUMENT
2004 through 2008

APPENDIX D.
CHEMICAL ABBREVIATIONS

PREPARED BY:
LHR TECHNICAL WRITING

CHEMICAL ABBREVIATIONS

The purpose of this appendix to the 2004 through 2008 environmental baseline document for Pebble Project is to provide definitions for the chemical abbreviations used in that document. All chemical abbreviations used in the environmental baseline document are defined below, with a few possible exceptions that are defined only in the chapter where they are used. The abbreviations listed below may or may not be defined in the individual chapters where they are used, but in most cases they are not included in the acronyms lists provided in the individual chapters. Not all chapters of the environmental baseline document include chemical abbreviations.

The abbreviations below are listed in alphabetical order. For abbreviations that contain symbols and/or numerals, the order of each entry is based on symbols first, numerals next, and then letters. For example, H^{+3} is listed before H_2O, which is listed before HCN.

$^{18}O_2$	oxygen, isotope (Oxygen 18)
Ag	silver
Al	aluminum
As	arsenic
B	boron
Ba	barium
Be	beryllium
Bi	bismuth
Ca	calcium
$CaCl_2$	calcium chloride
$CaCO_3$	calcium carbonate (calcite)
$CaSO_4$	calcium sulfate
Cd	cadmium
Ce	cerium
Cl	chlorine or chloride
CN^-	cyanide
Co	cobalt
Cr	chromium
Cr^{+6}	hexavalent chromium
Cs	cesium
Cu	copper
F	fluorine or fluoride
Fe	iron
Fe^{+2}	ferrous iron
Fe^{+3}	ferric iron

Ga	gallium
Ge	germanium
H^{+3}	tritium
H_2O	water
H_2SO_4	sulfuric acid
HCN	hydrogen cyanide (cyanide, cyanide gas)
HCl	hydrogen chloride (hydrochloric acid)
HCO_3	bicarbonate
Hf	hafnium
Hg	mercury
HNO_3	nitric acid
In	indium
K	potassium
KCl	potassium chloride
La	lanthanum
Li	lithium
Mg	magnesium
$MgCO_3$	magnesium carbonate
Mn	manganese
Mo	molybdenum
N	nitrogen
Na	sodium
NaCl	sodium chloride (salt)
NaF	sodium fluoride
NaOH	sodium hydroxide
Nb	niobium
NH_3	ammonia
NH_4	ammonium
Ni	nickel
NO_2	nitrite
NO_3	nitrate
P	phosphorus
Pb	lead
PO_4	phosphate
S	sulfur
Sb	antimony
SCN	thiocyanate
Se	selenium

Si	silicon
Sn	tin
SO_4	sulfate
Sr	strontium
Ta	tantalum
Ti	titanium
Te	tellurium
Tl	thallium
U	uranium
V	vanadium
W	tungsten
Y	yttrium
Zn	zinc
Zr	zirconium