

**Table MU1 3a-1-1 Soil Sampling Locations (Page 1 of 2)**

<b>Pit or Profile Number <sup>(1)</sup></b>	<b>Location</b>	<b>Soil Designation</b>	<b>Date Excavated</b>
MU1PIT1	East end of Mine Unit 1. Near 2006 LCSP10.	Poposhia loam	9/2/08
MU1PIT2	East end of Mine Unit 1. Near 2006 LCSP10.	Poposhia loam	9/2/08
MU1PIT3	South central portion of Mine Unit 1.	Pepal sandy loam	9/2/08
MU1PIT5	Central portion of Mine Unit 1. Near 2006 LCSP9.	Pepal sandy loam	9/2/08
MU1PIT6	East portion of Mine Unit 1.	Pepal sandy loam	9/3/08
MU1PIT7	East portion of Mine Unit 1.	Pepal sandy loam	9/3/08
MU1PIT8	East portion of Mine Unit 1.	Pepal sandy loam	9/3/08
MU1PIT9	East portion of Mine Unit 1.	Pepal sandy loam	9/3/08
MU1PIT10	Central portion of Mine Unit 1.	Pepal sandy loam	9/3/08
MU1PIT11	Central portion of Mine Unit 1.	Pepal sandy loam	9/3/08
MU1PIT12	Northeast portion of Mine Unit 1.	Pepal sandy loam	9/3/08
MU1PIT13	North central portion of Mine Unit 1. Expanded to soil profile. Sampled for laboratory analyses.	Teagulf sandy loam	9/3/08 (Expanded 9/11/08; Sampled 9/11/08)
MU1PIT14	North central portion of Mine Unit 1.	Poposhia loam	9/3/08
MU1PIT15	Central portion of Mine Unit 1. Expanded to soil profile. Sampled for laboratory analyses.	Poposhia loam	9/3/08 (Expanded 9/11/08; Sampled 9/11/08)
MU1PIT16	Central portion of Mine Unit 1. Expanded to soil profile.	Teagulf sandy loam	9/3/08 (Expanded 9/8/08)
MU1PIT17	Central portion of Mine Unit 1.	Teagulf sandy loam	9/4/08
MU1PIT18	Central portion of Mine Unit 1.	Poposhia loam	9/4/08
MU1PIT19	Central portion of Mine Unit 1.	Pepal sandy loam	9/4/08

**Table MU1 A3-1-1 Soil Sampling Locations (Page 2 of 2)**

<b>Pit or Profile Number <sup>(1)</sup></b>	<b>Location</b>	<b>Soil Designation</b>	<b>Date Excavated</b>
MU1PIT20	Central portion of Mine Unit 1.	Pepal sandy loam	9/4/08
MU1PIT21	West portion of Mine Unit 1.	Teagulf sandy loam	9/4/08
MU1PIT22	West portion of Mine Unit 1.	Teagulf sandy loam	9/4/08
MU1PIT23	West portion of Mine Unit 1. Expanded to soil profile. Sampled for laboratory analyses.	Teagulf sandy loam	9/4/08 (Expanded 9/11/08; Sampled 9/11/08)
MU1PIT24	West end of Mine Unit 1.	Pepal sandy loam	9/4/08
MU1PIT25	Southwest portion of Mine Unit 1.	Teagulf sandy loam	9/4/08
MU1PIT26	Southwest portion of Mine Unit 1. Expanded to soil profile.	Pepal sandy loam	9/4/08 (Expanded 9/11/08)
MU1PIT27	West portion of Mine Unit 1.	Teagulf sandy loam	9/4/08
MU1PIT28	Southwest portion of Mine Unit 1.	Teagulf sandy loam	9/4/08
MU1PIT34	West end of Mine Unit 1.	Pepal sandy loam	9/5/08
MUIPR50	East portion of Mine Unit 1. Sampled for laboratory analyses.	Pepal sandy loam	9/11/2008 (Sampled 9/11/08)
MUIPR51	Central portion of Mine Unit 1.	Pepal sandy loam	9/11/08
MUIPR52	Northeast portion of Mine Unit 1. Near MU1PIT12.	Pepal sandy loam	9/10/08
MU1PIT55	East end of Mine Unit 1. Near 2006 LCSP10.	Poposhia loam	9/12/08
MU1PIT56	East portion of Mine Unit 1.	Pepal sandy loam	9/12/08
MU1PIT57	Central portion of Mine Unit 1.	Poposhia loam	9/12/08
MU1PIT58	Central portion of Mine Unit 1.	Pepal sandy loam	9/12/08

<sup>(1)</sup> Pit/Profile Numbers 4 and 29 through 35 were located at the Plant site (see Attachment OP-5a in the main permit document). Pit/Profile Numbers 36 through 49 were not assigned to any sampling locations.