



**Pezonella  
Associates, Inc.**

Geotechnical & Environmental Engineers & Geologists

520 EDISON WAY • RENO, NEVADA 89502 • (775) 856-5566  
FAX • (775) 856-6042  
www.pezonella.com

**LETTER OF TRANSMITTAL**

AquaMetals Reno, Inc.  
1035 22<sup>nd</sup> Avenue, #16  
Oakland, CA 94606

ATTN: Thomas Murphy: [thomas.murphy@aqmetals.com](mailto:thomas.murphy@aqmetals.com)  
Jim Magrogan: [jmagrogan@milesconst.com](mailto:jmagrogan@milesconst.com)  
SUBJECT: AquaMetals – Aquarefinery  
LOCATION: Peru Drive, Storey County, NV  
JOB#: 6716.01B  
PERMIT#: 09587-00

Transmitted herewith are the following:

Laboratory test results: Particle Size Distribution reports.

Samples No.: 15-318 & 15-322

Distribution:

- Storey County Community Development:  
Dean Haymore, [dhaymore@storeycounty.org](mailto:dhaymore@storeycounty.org)
- Miles Construction :  
David Urbach, [durbach@milesconst.com](mailto:durbach@milesconst.com)  
Angie Depaoli, [adepaoli@milesconst.com](mailto:adepaoli@milesconst.com)

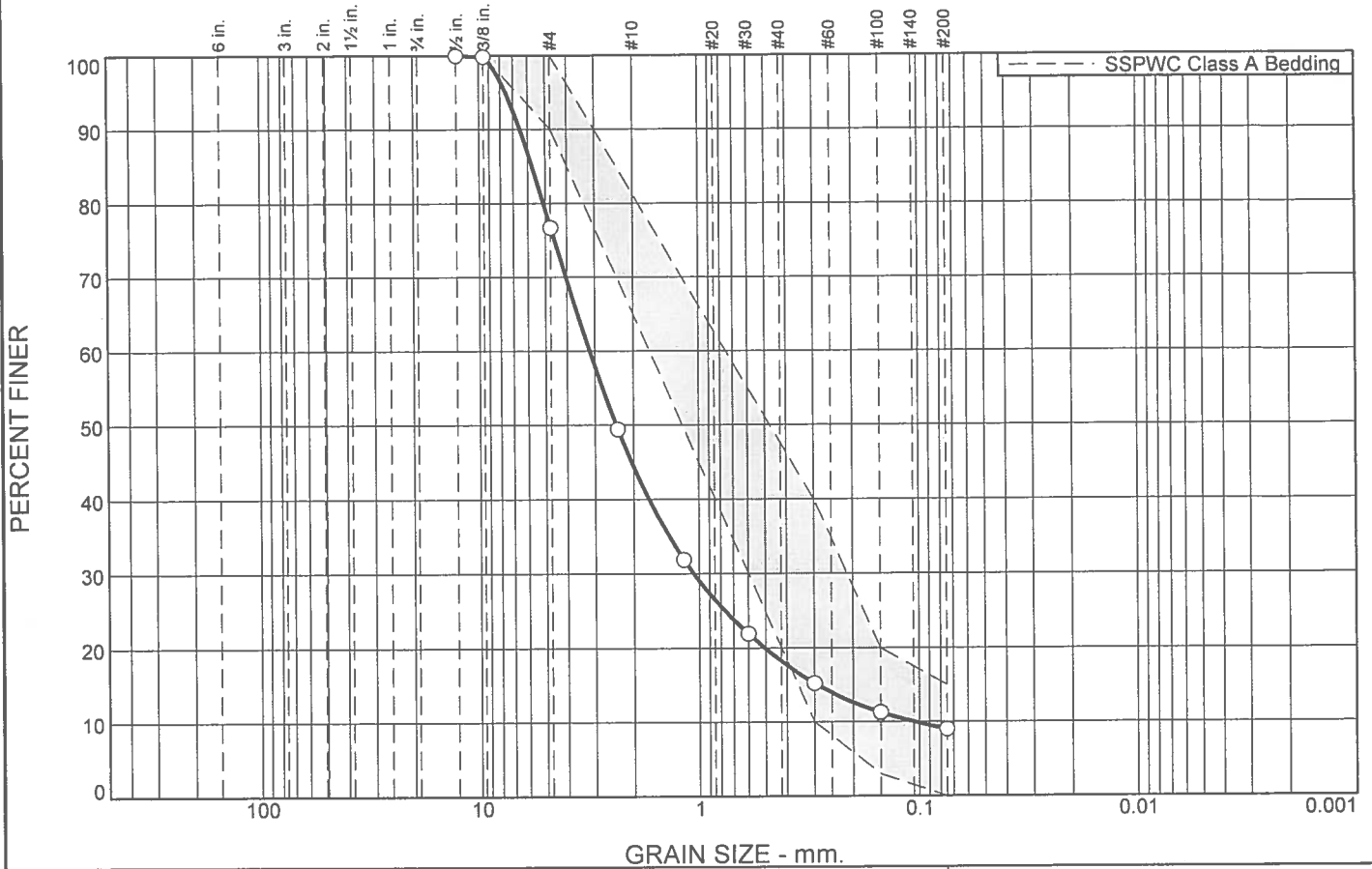
**Pezonella Associates, Inc.**

By 

Title Laboratory Manager

Date 9-25-15

# Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	23.3	32.4	26.0	9.3	9.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.5"	100.0		
.375"	99.8	100.0	X
#4	76.7	90.0 - 100.0	X
#8	49.4		
#16	31.9		
#30	22.0		
#50	15.3	10.0 - 40.0	
#100	11.3	3.0 - 20.0	
#200	9.0	0.0 - 15.0	

**Soil Description**

Gray sand (SP-SM) with silt and gravel

**Atterberg Limits**

PL=                      LL=                      PI=

**Coefficients**

D<sub>90</sub>= 6.5269          D<sub>85</sub>= 5.7589          D<sub>60</sub>= 3.1714  
D<sub>50</sub>= 2.4025          D<sub>30</sub>= 1.0631          D<sub>15</sub>= 0.2896  
D<sub>10</sub>= 0.1042          C<sub>u</sub>= 30.43              C<sub>c</sub>= 3.42

**Classification**

USCS= SP-SM                      AASHTO=

**Remarks**

Sampled by Dean Macklin

\* SSPWC Class A Bedding

**Location:** Joy Pit; Utility Bedding  
**Sample Number:** 15-318

**Date:** 09-22-15

**PEZONELLA  
ASSOCIATES, INC.  
Reno, Nevada**

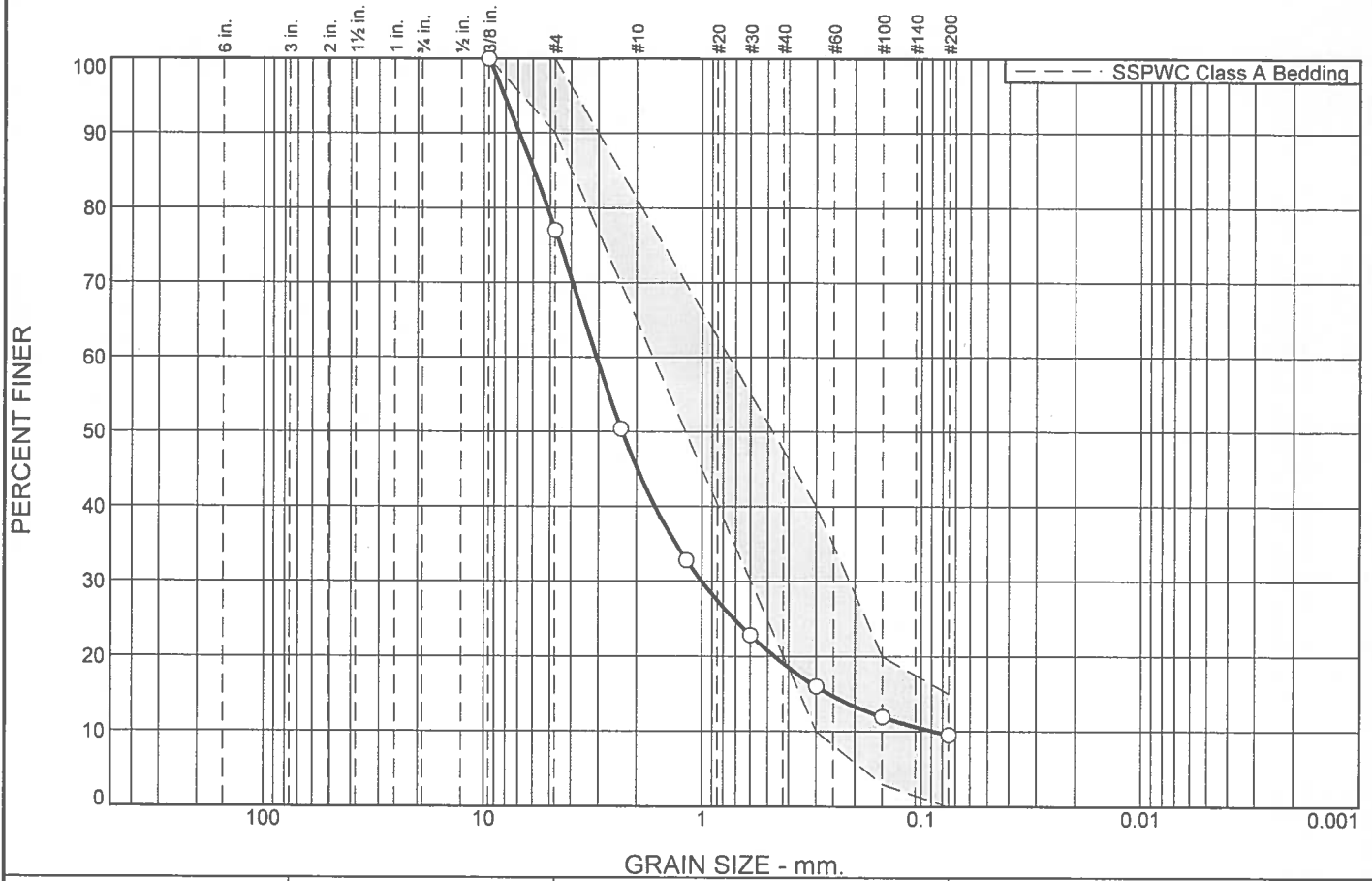
**Client:** Aqua Metals - Reno, Inc.

**Project:** Aqua Refinery

**Project No:** 6716.01B

**Plate**

# Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	23.0	31.8	26.1	9.6	9.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375"	100.0	100.0	
#4	77.0	90.0 - 100.0	X
#8	50.4		
#16	32.8		
#30	22.9		
#50	16.0	10.0 - 40.0	
#100	12.0	3.0 - 20.0	
#200	9.5	0.0 - 15.0	

**Soil Description**

Gray sand (SP-SM) with silt and gravel

**Atterberg Limits**

PL=                      LL=                      PI=

**Coefficients**

D<sub>90</sub>= 6.9255              D<sub>85</sub>= 5.9510              D<sub>60</sub>= 3.0692  
D<sub>50</sub>= 2.3317              D<sub>30</sub>= 1.0046              D<sub>15</sub>= 0.2606  
D<sub>10</sub>= 0.0867              C<sub>u</sub>= 35.39              C<sub>c</sub>= 3.79

**Classification**

USCS= SP-SM                      AASHTO=

**Remarks**

Sampled by Dean Macklin

\* SSPWC Class A Bedding

Location: Joy Pit; Utility Bedding  
Sample Number: 15-322

Date: 09-25-15

<b>PEZONELLA ASSOCIATES, INC. Reno, Nevada</b>	<b>Client:</b> Aqua Metals - Reno, Inc. <b>Project:</b> Aqua Refinery  <b>Project No:</b> 6716.01B
<b>Plate</b>	