



WEAVER GENERAL CONSTRUCTION COMPANY
 3679 S. Huron St., Suite 404
 Englewood, CO 80110
 Phone: (303) 789-4111 FAX: (303) 789-4310

SUBMITTAL TRANSMITTAL

February 28, 2011
WGC Submittal No: 03300-009.D

PROJECT: **Harold Thompson Regional WRF**
 Birdsall Rd.
 Fountain, CO 80817
 Job No. 2908

ENGINEER: **GMS, Inc.**
 611 No. Weber St., #300
 Colorado Springs, CO 80903
 719-475-2935 Roger Sams

OWNER: **Lower Fountain Metropolitan
 Sewage Disposal District**
 901 S. Santa Fe Ave.
 Fountain, CO 80817
 719-382-5303 James Heckman

CONTRACTOR: **Baker Concrete Construction**
 1904 Jasper Street
 Aurora, CO 80011
 937-536-9000 Nick Dewald

SUBJECT: Resubmittal - Polyheed 1720 Concrete Mixture to replace Polyheed 1020 in mix design A65FDP for caissons and A70F for the mats and walls.

SPEC SECTION: 03300 - Cast-In-Place Concrete

PREVIOUS SUBMISSION DATES: 10/22/10

DEVIATIONS FROM SPEC: ___ YES X NO

CONTRACTOR'S STAMP: This submittal has been reviewed by Weaver General Construction and approved with respect to the means, methods, techniques, & safety precautions & programs incidental thereto. Weaver General Construction also warrants that this submittal complies with contracted documents and comprises on deviations thereto:

Contractor's Stamp:

Date: 2/28/11
 Reviewed by: H.C. Myers
 (X) Reviewed Without Comments
 () Reviewed With Comments

Engineer's Stamp:

ENGINEER'S COMMENTS: _____



Letter of Transmittal/Submittal

FROM: **Baker Concrete Construction**
 1904 Jasper Street
 Aurora, CO 80011
 303.367.8111
 Nick Dewald 937.536.9000

DATE	02/28/11	JOB NUMBER	9921
ATTENTION	John Jacob/Leslie Brown		
RE:	Harold Thompson Regional WRF		
TR#	03300-016	SM#	03300-0014

TO: **John Jacob/Leslie Brown**
 Weaver General Construction Co.
 3679 South Huron St., Suite 404
 Englewood, CO 80110
 john@weavergc.com / leslie@weavergc.com

We are sending you: via the following:

COPIES	DATE	PAGES	Description
1	2/28/2011	2	Polyheed 1720 add mixture replacing Polyheed 1020 in Mix Design

THESE ARE TRANSMITTED as noted below:

FOR APPROVAL

REMARKS Rocky Mountain Premix is proposing to replace Polyheed 1020 with Polyheed 1720 in the current mix designs approved for the Harold Thompson WRF. See historical break data and letter from supplier.

COPY TO File SIGNED: Nick Dewald
 Baker Concrete Construction, Inc.

If enclosures are not as noted, kindly notify us at once

A65F20 Compressive Strength History			
Cast Date	7 Day Break Results	Cast Date	28 day Break Results
1/19/2011	3270	1/19/2011	4650
	3290		4520
1/17/2011	3800	1/17/2011	4650
	3840		4410
1/14/2010	3360	1/14/2010	4040
	3050		4180
1/8/2011	3790	1/8/2011	4200
	3980		4650
	3900		4820
1/5/2011	4070	1/5/2011	5010
	3900		4940
12/23/2010	3420	12/23/2010	4700
			4810

28 day Avg Strength: 4583 psi
Standard Deviation: 300 psi



The Chemical Company

February 28, 2011

Project: Various
Project location: Various

Certificate of Conformance
Polyheed® 1720
BASF Corporation* Admixture for Concrete

*(successor in interest to BASF Construction Chemicals, LLC , which is successor by merger to BASF Admixtures, Inc., formerly known as Degussa Admixtures, Inc., formerly known as Master Builders, Inc.)

I, Richard Hubbard, Sr. Technical Marketing Specialist for BASF Corporation, Cleveland, Ohio, certify:

That PolyHeed 1720 is a BASF Corporation Mid-Range Water-Reducing Admixture for concrete; and

That no calcium chloride or chloride based ingredient is used in the manufacture of PolyHeed 1720; and

That PolyHeed 1720, based on the chlorides originating from all the ingredients used in its manufacture, contributes less than 0.00014 percent (1.4 ppm) chloride ions by weight of the cement when used at the rate of 65 mL per 100 kg (1 fluid ounce per 100 pounds) of cement; and

That, depending on the dosage used, PolyHeed 1720 meets the requirements for a Type A, Water-Reducing, and Type F, Water-Reducing High Range Admixture specified in ASTM C 494, Corps of Engineers' CRD-C 87 and AASHTO M194, the Standard Specifications for Chemical Admixtures for Concrete.

A handwritten signature in black ink that reads "Richard Hubbard III". The signature is written in a cursive style with a stylized "H" and "B".

Richard Hubbard
Sr. Technical Marketing Specialist, BASF Corporation