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BEFORE THE ARIZONA CORPORATION COMMISSION

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COMMISSIONERS

JEFF HATCH-MILLER - CHAIRMAN
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MARC SPITZER
MIKE GLEASON
KRISTIN K. MAYES

2006 JUN 23 P 4: 42

AZ CORP COMMISSION
DOCUMENT CONTROL

IN THE MATTER OF THE APPLICATION OF
CAVE CREEK WATER COMPANY FOR
APPROVAL OF AN EXTENSION OF THEIR
CERTIFICATE OF CONVENIENCE AND
NECESSITY TO INCLUDE PARCEL NO. 216-29-
002A.

) DOCKET NO. W-01452A-05-0082

IN THE MATTER OF THE APPLICATION OF
CAVE CREEK WATER COMPANY FOR
APPROVAL OF AN EXTENSION OF THEIR
CERTIFICATE OF CONVENIENCE AND
NECESSITY TO INCLUDE PARCEL NO. 211-99-
006.

) DOCKET NO. W-01452A-04-0810

**NOTICE OF FILING
IN COMPLIANCE WITH DECISION NO. 68190**

Cave Creek Water Company, through undersigned counsel, files the attached Certificate of Approval of Construction with Stipulations for arsenic treatment in compliance with Finding of Fact No. 21(3) of Decision No. 68190 (September 30, 2005) as modified by the Commission's procedural order in this docket dated January 30, 2006. Although the condition requested a preliminary approval to construct, Cave Creek was able to obtain a final approval of construction

RESPECTFULLY SUBMITTED this 23rd day of June 2006.

ROSHKA DEWULF & PATTEN, PLC

By Michael W. Patten

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1 Original and 15 copies of the foregoing
2 filed this 23rd day of June 2006 with:

3 Docket Control
4 Arizona Corporation Commission
5 1200 West Washington Street
6 Phoenix, Arizona 85007

7 Copy of the foregoing hand-delivered/mailed
8 this 23rd day of June 2006 to:

9 Lyn A. Farmer, Esq.
10 Chief Administrative Law Judge
11 Hearing Division
12 Arizona Corporation Commission
13 1200 West Washington Street
14 Phoenix, Arizona 85007

15 Christopher C. Kempley, Esq.
16 Chief Counsel, Legal Division
17 Arizona Corporation Commission
18 1200 West Washington Street
19 Phoenix, Arizona 85007

20 Ernest G. Johnson
21 Director, Utilities Division
22 Arizona Corporation Commission
23 1200 West Washington Street
24 Phoenix, Arizona 85007

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27 2850 East Camelback Road, Suite 200
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Sacks Tierney, P.A.
4250 North Drinkwater Boulevard, 4th Floor
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Maricopa County

Environmental Services
Water and Waste Management Division

Date: April 20, 2006
Owner: Cave Creek Water Co.

MCESD Project #: 2010337
PWS #: 04-07-016

1001 N. Central Ave., Suite 150
Phoenix, AZ 85004
Phone: (602) 506-6666
Fax: (602) 506-6925
TDD: 602 506 6704
www.maricopa.gov/envsvc

CERTIFICATE OF APPROVAL OF CONSTRUCTION WITH STIPULATIONS

PROJECT DESCRIPTION: Cave Creek CAP Water Treatment Plant, Arsenic Treatment System for Well Water. The work included construction of permanent facilities that allow emergency arsenic treatment of contaminated well water using one unit of the CAP plant. Full-scale pilot testing was successfully completed as MCESD Project #2010921 using water from the following wells: Hazelton (#55-518052); Faber (#55-521032); and Vermeersch (#55-518050) that have: flow rates of 100 gpm, 110 gpm, and 250 gpm; and arsenic concentrations of 0.050, 0.040, and 0.220 mg/l, respectively. Arsenic removal is performed using a coagulation/filtration process in Unit #2 of the CAP WTP.

The arsenic treatment facilities include: piping and valve modifications; ferric chloride (FeCl_3), polymer, and sulfuric acid feed facilities; a static mixer and orifice mixer; and a finished water turbidity meter and particle counter.

LOCATION:
Cave Creek, Maricopa County
T6N, R4E, SEC 28

PROJECT OWNER:
Attn: Dave Adams
Cave Creek Water Company
P.O. Box 448
Cave Creek, AZ

Pursuant to AAC Title 18, Chapter 4, Article 5, or Chapter 9, Article 8, and Maricopa County Environmental Health Code (MCEHC) Chapters II and V, approval of construction of the above-described facilities as represented in the approved documents on file with the Maricopa County Environmental Services Department (MCESD) is hereby given subject to the following provisions:

1. This approval is based on an application for Approval of Construction signed by Graham Symmonds of Global Water Resources; an Engineer's Certificate of Completion executed by Michael Worlton, P.E. (#35265) on 3/15/06; and a report "Cave Creek WTP Arsenic Treatment Optimization Services, Full Scale Testing Results" signed and sealed by Damon S. Williams, P.E. (#12177) on 4/16/06. An inspection of the facilities was conducted by the Department on 3/10/06.
2. This approval is based on:
 - a. The arsenic treatment system (ATS) shall be used whenever one or more of the groundwater wells are in use. That is, arsenic treatment shall not be performed by blending raw well water with treated CAP surface water.
 - b. No other wells may be connected to the ATS or blended with the treated ATS water without Department approval.
 - c. When the arsenic removal facilities are being used to treat well water in CAP WTP Unit #2, no surface water shall be commingled with the well water in that treatment unit.
3. The ATS is primarily intended to serve as an emergency source of water in the event CAP water is unavailable or insufficient to meet water demands. However, the Owner shall deliberately use the arsenic treatment system for a minimum of 5 days during each calendar year at a time when one or both of the other units of the CAP plant are treating surface water and blending that water with treated water from the ATS. The purpose of non-emergency operations is to ensure that the arsenic treatment system is functioning properly and available for emergency use when needed.
4. Whenever the arsenic removal system is used, including during the non-emergency operations described above, the Owner shall take one sample of the treated water from Unit #2 per day for laboratory analysis. The operator shall submit the test results to the Department together with turbidity and particle count data within 30 days after

Cave Creek CAP Water Treatment Plant, Arsenic Treatment System for Well Water
Certificate of Approval of Construction

April 20, 2006

MCESD #2010337

the end of each operating period.

5. Any change in the approved design that may affect capacity, quality, flow, location or operational performance of the system shall be submitted to this Department for review, and Department approval shall be obtained prior to undertaking the work affected by the change.
6. This approval is void if major modifications occur to this facility without the knowledge and consent of the Department.
7. A Grade 2 water treatment plant operator, certified by the Arizona Department of Environmental Quality, shall be in direct responsible charge of this facility
8. The water treatment facility shall meet all applicable sampling and reporting requirements under the Safe Drinking Water Act Rule, Title 18, Chapter 4 of the Arizona Administrative Code, and subsequent amendments.
9. All materials or products that come into contact with drinking water or with water treatment chemicals shall conform to ANSI/NSF 60 and 61 in accordance with AAC R18-4-119.
10. No connection may exist between potable water and non-potable water unless an approved backflow prevention device is installed in accordance with AAC R18-4-115.
11. Provide appropriate signage for all hose bibb connections (both potable and non-potable).
12. Provide hoses and hose racks at all hose bibb locations (both potable and non-potable).
13. Representative(s) of MCESD shall be allowed access to the site to conduct inspections of this facility during reasonable hours.
14. MCESD reserves the right to modify this approval pursuant to future state regulations.

WATER AND WASTE MANAGEMENT DIVISION

By 
Kenneth R. James, PE
Acting Manager Water / Wastewater Treatment Program

Plan Approval Date: April 20, 2006

cc: ADEQ Drinking Water Section, 1110 West Washington Street, Phoenix, AZ 85007
Dale G. Bodiya, PE, MCESD, Acting Division Manager
John Kolman, RS, MCESD, Manager Drinking Water Program
Michelle DeHaan, P.E., DSWA, 2355 E. Camelback Rd., Suite 700, Phoenix, AZ 85016
MCESD File