



New Source Approval

By
Anupa Jain
City of Chandler

Dr. Anupa Jain has been working in the Water and Wastewater industry for more than 25 years. She has a wide array of experience in Water Quality, Water and Wastewater Laboratory and Water Treatment fields. Currently she is working as Water Quality Advisor for City of Chandler. She serves as a Board Member for AZWater association.

Anupa has a Ph.D. in Organic Chemistry from G.N.D. University, India. She has Grade IV operator certifications in Water Treatment, Wastewater Treatment, Water Distribution and Wastewater Collections from Arizona Department of Environmental Quality.

Contact Information:

Office: (480) 782-3655

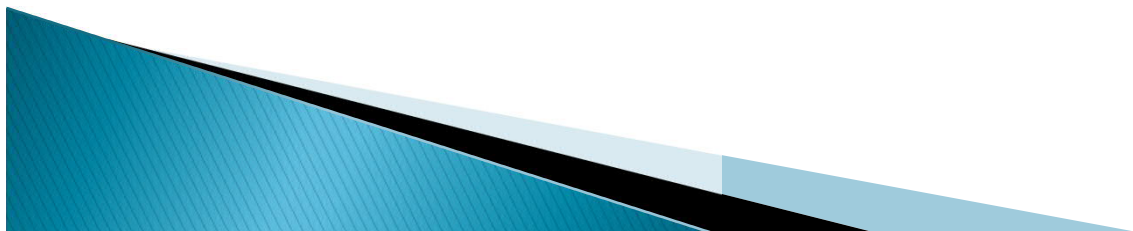
e-mail: Anupa.Jain@chandleraz.gov





Learning Objectives

- ▶ How to bring a New Source on-line (the five W's (Why, What, When, Where and Who)
- ▶ and most importantly "How" (New Source submittals)



New Source Approval

- ▶ Arizona Administrative Code, Title 18, Chapter 5 (R18-5) - MINIMUM DESIGN CRITERIA
 - R18-5-501. Siting Requirements
 - R18-5-504. Prohibition on the Use of Lead Pipe, Solder, and Flux
 - R18-5-505. Approval to Construct (The ATC is valid for 4 years 90 days)
 - R18-5-506. Compliance with Approved Plans
 - R18-5-507. Approval of Construction
- ▶ The New Source Approval (The NSA is valid for 1 year)
- ▶ The Approval to Operate



Chandler · Arizona

New Source Approval - Why?

- ▶ It is the Law
- ▶ Provide safe drinking water to all citizens



New Source Approval - What?

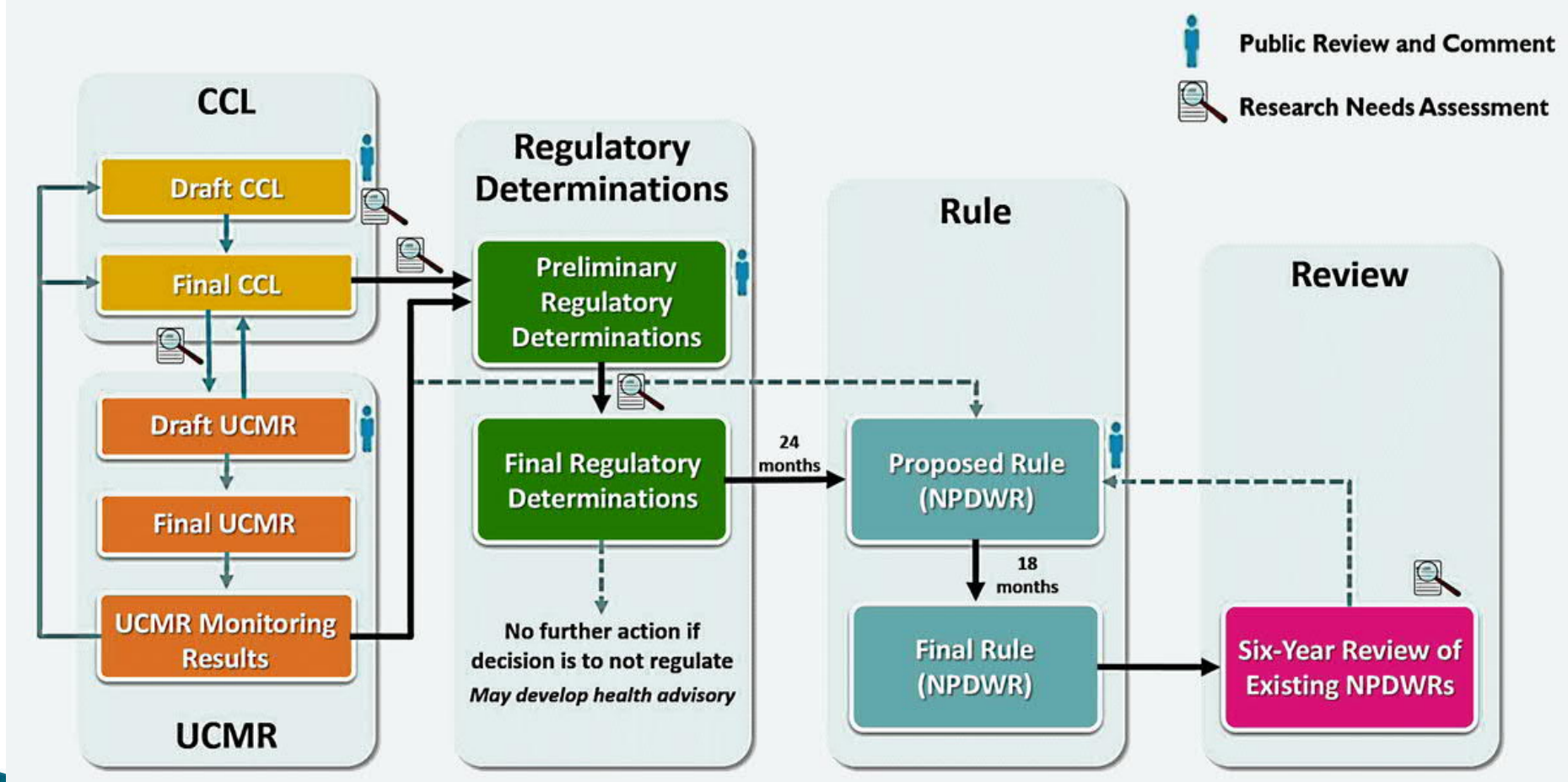
- ▶ 1974 – Safe Drinking Water Act (SDWA) – 57 contaminants
- ▶ Contaminant Candidate List (CCL) – every 5 years
 - CCL4 – 11/17/16, 97 chemicals/chemical groups and 2 microbial contaminants
 - CCL5 – Public input ended Dec4, 2018
- ▶ Unregulated Contaminant Monitoring Rule (UCMR)
- ▶ Regulatory Determination
 - Occurrence
 - Health Effects
 - Cost



New Source Approval - What?



Chandler · Arizona



New Source Approval - What?

- ▶ All contaminants regulated under Safe Drinking Water Act (SDWA)
 - Microorganisms -2
 - Inorganic Chemicals – 16 (+ 9 unregulated)
 - Organic Chemicals - 51
 - Radionuclides - 4



New Source Approval - When?

- ▶ Zonal Sampling
 - Samples collected at different depths (Mostly Inorganics - both regulated and unregulated contaminants)
- ▶ Rate Test Sampling
 - Samples collected at different flow rates
- ▶ New Source Sampling



New Source Approval - When?

Zonal Sampling

Sample ID	Field Results		Chandler Lab Results									
	Field pH	Field Cond.	pH	Fluoride	Nitrate	Nitrite	TDS	Cond.	Arsenic	Chromium	Chloride	Sulfate
	pH Units	us/cm	pH Units	mg/L	mg/L	mg/L	mg/L	us/cm	ug/L	ug/L	mg/L	mg/L
769-789 ft.	7.92	>4000	8.1	1.72	<0.2	<0.2	3120	4680	7.82	1.37	1378 E	474
725-745 ft.	7.89	3600	8.0	1.77	<0.2	<0.2	2700	4040	8.46	2.37	1130 E	414
692-712 ft.	8.14	2512	8.3	1.33	3.16	<0.2	1687	2530	12.1	17.9	659 E	195
614-634 ft.	8.08	1682	8.3	0.72	3.32	<0.2	1139	1704	4.99	21.5	413 E	95
569-589 ft.	8.16	1569	8.4	0.83	2.86	<0.2	1050	1574	4.08	11.4	389 E	81
Makeup Water	7.62	1437	8.0	0.66	1.72	<0.2	977	1469	2.83	4.91	321	104
537-557 ft.	8.02	1856	8.2	0.69	5.91	<0.2	1279	1921	6.12	19.2	479 E	116
502-522 ft.	7.98	2334	8.2	0.53	8.71	<0.2	1571	2360	4.94	11.5	612 E	164
451-471 ft.	7.95	2380	8.2	0.50	8.41	<0.2	1599	2400	5.20	8.70	636 E	157
388-408 ft.	8.08	2326	8.3	0.48	7.53	<0.2	1568	2350	5.30	10.0	621 E	145
337-357 ft.	8.12	2582	8.3	0.39	9.57	<0.2	1710	2570	3.18	8.16	679 E	185

Concentration exceeded MCL limit



Chandler · Arizona

New Source Approval - Where?

- At the Well Head
- At the Entry Point to Distribution System (after Disinfection)



New Source Approval - Who?



DELEGATED AGENCIES for PUBLIC WATER SYSTEMS

INSTRUCTIONS:

This document provides information regarding where to submit ATC and AOC applications for Public Water Systems (PWS). Locate the county or city on the top of the table. Locate the type of permit being applied for in the rows on the left side of the table. The intersection of the column and row determines where an application must be submitted. Additional information on Delegation Agreements can be found at <http://azdeq.gov/final-delegation-agreements>

DRINKING WATER PERMITS																			
	Apache County	Cochise County	Sierra Vista, City of	Cocoino County	Gila County	Graham County	Greenlee County	La Paz County	Maricopa County	Phoenix, City of	Mohave County	Kingman, City of	Navajo County	Pima County	Pinal County	Casa Grande, City of	Santa Cruz County	Yavapai County	Yuma County
Water Line, Extensions	ADEQ	ADEQ	City ¹	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	County ¹	City ^{1,3}	County ¹	City ¹	ADEQ	County ¹	ADEQ	City ¹	ADEQ	County ¹	County ¹
Booster Pumps	ADEQ	ADEQ	City ¹	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	County ¹	City ^{1,3}	County ¹	City ¹	ADEQ	County ¹	ADEQ	City ¹	ADEQ	County ¹	County ¹
Well / New Source	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	County ¹	County ³	ADEQ	ADEQ	ADEQ	County ^{1,2}	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ
Storage Tanks	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	County ¹	County ³	ADEQ	ADEQ	ADEQ	County ^{1,2}	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ
Treatment and Blending Plans	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	County ¹	County ³	ADEQ	ADEQ	ADEQ	County ^{1,2}	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ
Point of Use	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ	County ¹	County ³	ADEQ	ADEQ	ADEQ	County ^{1,2}	ADEQ	ADEQ	ADEQ	ADEQ	ADEQ



New Source Approval - How?

Maricopa County Environmental Services

<https://www.maricopa.gov/4996/Permits-Forms-and-Applications>

<https://www.maricopa.gov/DocumentCenter/View/7398/Drinking-Water-New-Source-Approval-Application-PDF>



New Source Approval - How?

ENVIRONMENTAL SERVICES DEPARTMENT

Darcy Kober, R.S., Director
501 N. 44th St., Suite 200
Phoenix, AZ 85008
TT (602) 506-6704



WATER & WASTE MANAGEMENT DIVISION

Eric Matson, P.E., Division Manager
Kenyata Mangar, R.S., Drinking Water Program Manager
(602) 506-6935
FAX (602) 372-0866

PLAN REVIEW APPLICATION PROCESS NOTICE New Drinking Water Source Approval

New Drinking Water Source Approval (NSA) is required for all drinking groundwater and surface water sources used by Maricopa County regulated public water systems. For complete requirements for drinking water sources, please refer to Arizona Administrative Code Title 18, Chapters 4 and 5. Copies are available from the office of the Arizona Secretary of State or online at www.azsos.gov. This application must be completed by the PWS Permit Owner/Holder or authorized representative of the public water system (PWS) and be submitted with the following required application documents:

- **Water quality analyses results** - All water quality analyses results must be collected at the raw water source no greater than 12 month prior to application submission. All water quality analyses must be conducted by an Arizona Department Health Services (ADHS) certified laboratory. All water quality analysis results must be submitted on the proper Arizona Department Environmental Quality (ADEQ) Drinking Water Source Approval reporting forms.
- **ADWR Registration Record** – A copy of the Arizona Department of Water Resources (ADWR) Registration Record may be obtained from ADWR at www.azwater.gov or (602)771-8500.
- **Well Driller's Log** - A copy of the Well Driller's Log may be obtained from the person/business that drilled the well or (ADWR) at www.azwater.gov or (602)771-8500.
- **Applicable scheduled plan review fee of \$425.**

Engineering Approval - Arizona law requires owners of water system components, including wells, treatment plants, storage and pressure tanks, distribution mains, and booster pumps, to obtain approvals to construct (ATC) and approvals of construction (AOC) prior to serving any drinking water source through a PWS. The PWS permit owner/holder or authorized representative must complete and submit an ATC and AOC application for each drinking water system component. Each ATC and AOC application must be sealed by a Professional Engineer and submitted with required scheduled plan review fees.

- Please contact Cindy Furze at (602) 506-1058 for more information on engineering requirements for *non-treatment* related water system components.
- Please contact Dale Bodiya, P. E. at (602) 506-6670 for more information on engineering requirements for *treatment* related water system components.

Plan Review Process Steps:

1. Applicant submits complete New Source Approval Application with appropriate fee.
2. Department conducts review of application and onsite field inspection to determine approvability the drinking water source.
3. Applicant provided with Department decision of "approval" or "disapproval" based on step 2.

The Department will approve or deny this application in 83 business days (16 day - Administrative Review, 67 day - Substantive Review) excluding any days the application is returned to the applicant for additional information. You may request a clarification from the Department of its interpretation or application of a statute, ordinance, regulation, delegation agreement or authorized substantive policy statement as provided in A.R.S. §11-1609. Contact us by e-mail, regular mail, telephone, or in person at the address listed at the top of the page, marked attention Drinking Water Program



Chandler • Arizona

New Source Approval - How?

- **Water quality analyses results** - All water quality analyses results must be collected at the raw water source no greater than 12 month prior to application submission. All water quality analyses must be conducted by an Arizona Department Health Services (ADHS) certified laboratory. All water quality analysis results must be submitted on the proper Arizona Department Environmental Quality (ADEQ) Drinking Water Source Approval reporting forms.
- **ADWR Registration Record** – A copy of the Arizona Department of Water Resources (ADWR) Registration Record may be obtained from ADWR at www.azwater.gov or (602)771-8500.
- **Well Driller's Log** - A copy of the Well Driller's Log may be obtained from the person/business that drilled the well or (ADWR) at www.azwater.gov or (602)771-8500.
- **Applicable scheduled plan review fee of \$425.**



Chandler · Arizona

New Source Approval - How?

- ▶ Water Quality Analyses Results:
 - Must not be collected greater than 12 months prior to the application submission
 - Analyses must be conducted by ADHS certified laboratory
 - Results must be submitted on the ADEQ Drinking Water Source Approval Forms
 - <http://www.azdeq.gov/drinking-water-source-approval-form>



New Source Approval - How?

Arizona Department Of Environmental Quality
Drinking Water Source Approval Form
Samples To Be Taken At Source Only

<input type="text"/> System ID#	<input type="text"/> System Name
<input type="text"/> Sample Date	<input type="text"/> : <input type="text"/> (24 Hr clock) Sample Time
<input type="text"/> ADEQ Project Number	55- <input type="text"/> Well ID Number
New System YES <input type="checkbox"/> NO <input type="checkbox"/>	<input type="text"/> Surface Water Intake ID Number
New Source YES <input type="checkbox"/> NO <input type="checkbox"/>	<input type="text"/> Owner/Contact Person Phone Number
Reactivated Source YES <input type="checkbox"/> NO <input type="checkbox"/>	
<input type="text"/> Owner/Contact Person Name	

This form is to be filled out completely, and all pages are to be submitted together. If more than one laboratory participated in the analyses, please attach a copy of the original laboratory report, signed by the performing laboratory, to the back of this form.

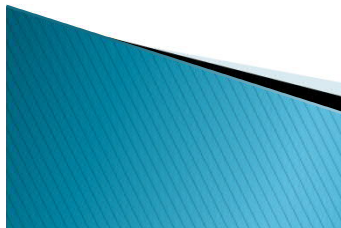
All Results Shall Be Reported In Milligrams Per Liter (mg/L) Unless Otherwise Specified.

Please Mail This Completed Form To:

Arizona Department Of Environmental Quality
Technical Review Unit
Drinking Water Section (5415B-2)
1110 W Washington St,
Phoenix, AZ 85007



Chandler • Arizona



New Source Approval - How?

INSTRUCTIONS FOR USING THE ARIZONA DRINKING WATER SOURCE APPROVAL REPORTING FORM

Revised 2003

SYSTEM ID: This is a unique 5 digit Public Water System Identification (PWSID) number assigned to each public water system by ADEQ.

SYSTEM NAME: Should be in the legal name which the water system will be known as when the system is built. Always notify the Department in writing of any name or ownership change.

ADEQ PROJECT NUMBER: This is the number assigned by ADEQ when the project is first submitted for an "Approval to Construct".

NEW SYSTEM: If this is a new system and a system in number has not yet been assigned by ADEQ, then mark "YES", and be sure that the project number is filled in.

NEW POE: If this source represents a new point of entry (POE) for your system, then mark "YES" on the form. This will allow ADEQ to assign a new point of entry number and the appropriate monitoring year for this point of entry.

WELL ID NUMBER: The Department of Water Resources' registration number goes here. This number always begins with a 55-. If the new source does not constitute a new point of entry, fill in the existing point of entry number that this source is joining.

SURFACE WATER INTAKE ID NUMBER: This number must be assigned by ADEQ. If the new source does not constitute a new point of entry, fill in the existing point of entry number that this source is joining.

SAMPLE DATE: The date the specimen was collected in mm/dd/yy format.

SAMPLE TIME: The time the specimen was collected in hh:mm format (24 hr clock time).

OWNER/CONTACT PERSON NAME: The first and last name of the owner or owner's representative, (contact person) who should be contacted with sample results.

OWNER/CONTACT PHONE#: The daytime phone number of the owner's representative, (contact person) who should be contacted with sample results.

SAMPLE TYPE: The compliance reason for specimen collection. Only the relevant sample types for each contaminant group are provided on the ADEQ forms.

SPECIMEN NUMBER: A unique 15 character (max) alphanumeric code that identifies a particular sample used to test one contaminant or one category of contaminants. If reporting on different reporting forms, a different (unique) number is required for each contaminant group and for each report.

NOTE: These definitions are general in nature. For specific questions regarding your laboratory submittal, please contact the Arizona Department of Environmental Quality (ADEQ) **Water Quality Compliance Section at 1-800-234-5677, ext. 4648, or 602-771-4648.**



Chandler • Arizona

New Source Approval - How?

Inorganic Chemical Analysis

Analysis Method	MCL	Reporting Limit	Contaminant Name	Cont. Code	Analysis Run Date	Result	Exceeds MCL	Exceeds Reporting Limit
	0.01	0.005	Arsenic	1005			<input type="checkbox"/>	<input type="checkbox"/>
	2	1	Barium	1010			<input type="checkbox"/>	<input type="checkbox"/>
	0.005	0.0025	Cadmium	1015			<input type="checkbox"/>	<input type="checkbox"/>
	0.1	0.05	Chromium	1020			<input type="checkbox"/>	<input type="checkbox"/>
	1.3*	0.050	Copper	1022			<input type="checkbox"/>	<input type="checkbox"/>
	4.0	0.5	Fluoride	1025			<input type="checkbox"/>	<input type="checkbox"/>
	0.015*	0.0025	Lead	1030			<input type="checkbox"/>	<input type="checkbox"/>
	0.002	0.001	Mercury	1035			<input type="checkbox"/>	<input type="checkbox"/>
	10	2.5	Nitrate (as N)	1040			<input type="checkbox"/>	<input type="checkbox"/>
	1	0.25	Nitrite	1041			<input type="checkbox"/>	<input type="checkbox"/>
	0.05	0.025	Selenium	1045			<input type="checkbox"/>	<input type="checkbox"/>
	0.006	0.003	Antimony	1074			<input type="checkbox"/>	<input type="checkbox"/>
	0.004	0.002	Beryllium	1075			<input type="checkbox"/>	<input type="checkbox"/>
	0.2	0.1	Cyanide (as free)	1024			<input type="checkbox"/>	<input type="checkbox"/>
		0.05	Nickel	1036			<input type="checkbox"/>	<input type="checkbox"/>
	0.002	0.001	Thallium	1085			<input type="checkbox"/>	<input type="checkbox"/>

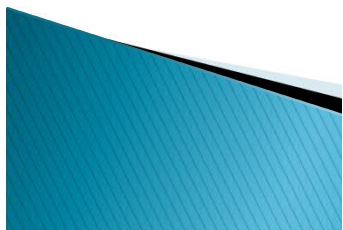
*Action Level

Laboratory Information

Specimen Number: _____
 Lab ID Number: _____ Name: _____
 Comments: _____
 Authorized Signature: _____

Physical Analysis

Analysis Method	Contaminant Name	Cont. Code	Analysis Run Date	Result
	Sulfate	1055		
	Sodium	1052		
	PH	1925		
	Alkalinity	1927		
	Hardness/Calcium	1918		
	Langelier Index	1997		
	Temperature (°C)	1996		
	Total Dissolved Solids-TDS	1930		



New Source Approval - How?

- **Water quality analyses results** - All water quality analyses results must be collected at the raw water source no greater than 12 month prior to application submission. All water quality analyses must be conducted by an Arizona Department Health Services (ADHS) certified laboratory. All water quality analysis results must be submitted on the proper Arizona Department Environmental Quality (ADEQ) Drinking Water Source Approval reporting forms.
- **ADWR Registration Record** – A copy of the Arizona Department of Water Resources (ADWR) Registration Record may be obtained from ADWR at www.azwater.gov or (602)771-8500.
- **Well Driller's Log** - A copy of the Well Driller's Log may be obtained from the person/business that drilled the well or (ADWR) at www.azwater.gov or (602)771-8500.
- **Applicable scheduled plan review fee of \$425.**



Chandler · Arizona

New Source Approval - How?

ADWR Registration Record – A copy of the Arizona Department of Water Resources (ADWR) Registration Record may be obtained from ADWR at www.azwater.gov or (602) 771-8500

Well Driller's Log – A copy of the Well Driller's Log may be obtained from the person/business that drilled the well or (ADWR) at www.azwater.gov or (602) 771-8500



New Source Approval - How?

<https://gisweb.azwater.gov/waterresourcedata/WellRegistry.aspx>



The screenshot shows a web application window titled "Well Registry Search". Inside the window, there is a section titled "Specify Search Type" with a help icon. Below this, the text "Search By:" is followed by three radio button options: "Well Registry Number (Single or Mulptile)", "Owner Name Search", and "Location (Township/Range, Cadastral, Basin, or Subbasin)". A "Next" button is located at the bottom right of the search area.

Well Registry Search

Specify Search Type ⓘ

Search By:

- Well Registry Number (Single or Mulptile)
- Owner Name Search
- Location (Township/Range, Cadastral, Basin, or Subbasin)

Next

New Source Approval - How?

Well Registry Search


Search Single Registry Number ⓘ

Registry No.: 55-
example: 551234

Well Info **Imaged Record** Map Data Export Pump Data Export Help

Reg No.	GWSI Site ID	Cadastral	Owner Name	Well Type	Well Depth (ft)	Casing Depth (ft)	Case Dia (in)	Drill Date	Application Date	Water Level	Pump Capacity (GPM)	Pump Data Available	Completion Report
226647	331351111492101	D02005026BBC	CITY OF CHANDLER	NON-EXEMPT	1500	630	17	6/21/2017	11/29/2016	150		NO	

New Source Approval - How?

 Arizona Department of Water Resources Information Management Unit P.O. Box 33589 Phoenix, Arizona 85067-3589 (602) 771-8627 • (800) 352-8488 www.azwater.gov		RECEIVED SEP 27 2017 ADWR	Well Driller Report and Well Log
THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL. PLEASE PRINT CLEARLY USING BLACK OR BLUE INK.		FILE NUMBER D(2-5) 26 BBC	WELL REGISTRATION NUMBER 55-226647
		PERMIT NUMBER (IF ISSUED) S-226647	
SECTION 1. DRILLING AUTHORIZATION			
Drilling Firm			
Mail To:	NAME	DWR LICENSE NUMBER	
	Arizona Beeman Drilling	360	
	ADDRESS	TELEPHONE NUMBER	
	15563 E. U. S. HWY 60		
CITY / STATE / ZIP	FAX		
	Gold Canyon, AZ 85118		
SECTION 2. REGISTRY INFORMATION			
Well Owner		Location of Well	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL		WELL LOCATION ADDRESS (IF ANY)	
City of Chandler			
MAILING ADDRESS		TOWNSHIP (N/S)	RANGE (E/W)
P.O. Box 4008, Mail Stop 413		25	5E
CITY / STATE / ZIP CODE		SECTION	160 ACRE
CHANDLER, AZ 85244		26	Sw 1/4
			Nw 1/4
			Ne 1/4
		LATITUDE	LONGITUDE
		Degrees Minutes Seconds *N	Degrees Minutes Seconds *W
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)	
		<input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade	
TELEPHONE NUMBER	FAX	LAND SURFACE ELEVATION AT WELL	
		Feet Above Sea Level	
WELL NAME (e.g., MW-1, PZ-3, Lot 25 Well, Smith Well, etc.)		METHOD OF ELEVATION (CHECK ONE)	
		<input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade <input type="checkbox"/> *GEOGRAPHIC COORDINATE DATUM (CHECK ONE) <input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):	
		COUNTY	ASSESSOR'S PARCEL ID NUMBER
		MARICOPA	BOOK MAP PARCEL
SECTION 3. WELL CONSTRUCTION DETAILS			
Drill Method	Method of Well Development	Method of Sealing at Reduction Points	
CHECK ALL THAT APPLY	CHECK ALL THAT APPLY	CHECK ONE	
<input type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input checked="" type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven	<input checked="" type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify):	<input checked="" type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify):	
	Condition of Well	Construction Dates	



New Source Approval - How?

- **Water quality analyses results** - All water quality analyses results must be collected at the raw water source no greater than 12 month prior to application submission. All water quality analyses must be conducted by an Arizona Department Health Services (ADHS) certified laboratory. All water quality analysis results must be submitted on the proper Arizona Department Environmental Quality (ADEQ) Drinking Water Source Approval reporting forms.
- **ADWR Registration Record** – A copy of the Arizona Department of Water Resources (ADWR) Registration Record may be obtained from ADWR at www.azwater.gov or (602)771-8500.
- **Well Driller's Log** - A copy of the Well Driller's Log may be obtained from the person/business that drilled the well or (ADWR) at www.azwater.gov or (602)771-8500.
- **Applicable scheduled plan review fee of \$425.**



Chandler · Arizona

New Source Approval - How?

ENVIRONMENTAL SERVICES DEPARTMENT

Darcy Kober, R.S., Director
501 N. 44th St., Suite 200
Phoenix, AZ 85008
TT (602) 506-6704



WATER & WASTE MANAGEMENT DIVISION

Eric Matson, P.E., Division Manager
Kenyata Mangar, R.S., Drinking Water Program Manager
(602) 506-6935
FAX (602) 372-0866

PLAN REVIEW APPLICATION PROCESS NOTICE New Drinking Water Source Approval

New Drinking Water Source Approval (NSA) is required for all drinking groundwater and surface water sources used by Maricopa County regulated public water systems. For complete requirements for drinking water sources, please refer to Arizona Administrative Code Title 18, Chapters 4 and 5. Copies are available from the office of the Arizona Secretary of State or online at www.azsos.gov. This application must be completed by the PWS Permit Owner/Holder or authorized representative of the public water system (PWS) and be submitted with the following required application documents:

- **Water quality analyses results** - All water quality analyses results must be collected at the raw water source no greater than 12 month prior to application submission. All water quality analyses must be conducted by an Arizona Department Health Services (ADHS) certified laboratory. All water quality analysis results must be submitted on the proper Arizona Department Environmental Quality (ADEQ) Drinking Water Source Approval reporting forms.
- **ADWR Registration Record** – A copy of the Arizona Department of Water Resources (ADWR) Registration Record may be obtained from ADWR at www.azwater.gov or (602)771-8500.
- **Well Driller's Log** - A copy of the Well Driller's Log may be obtained from the person/business that drilled the well or (ADWR) at www.azwater.gov or (602)771-8500.
- **Applicable scheduled plan review fee of \$425.**

Engineering Approval - Arizona law requires owners of water system components, including wells, treatment plants, storage and pressure tanks, distribution mains, and booster pumps, to obtain approvals to construct (ATC) and approvals of construction (AOC) prior to serving any drinking water source through a PWS. The PWS permit owner/holder or authorized representative must complete and submit an ATC and AOC application for each drinking water system component. Each ATC and AOC application must be sealed by a Professional Engineer and submitted with required scheduled plan review fees.

- Please contact Cindy Furze at (602) 506-1058 for more information on engineering requirements for *non-treatment* related water system components.
- Please contact Dale Bodiya, P. E. at (602) 506-6670 for more information on engineering requirements for *treatment* related water system components.

Plan Review Process Steps:

1. Applicant submits complete New Source Approval Application with appropriate fee.
2. Department conducts review of application and onsite field inspection to determine approvability the drinking water source.
3. Applicant provided with Department decision of "approval" or "disapproval" based on step 2.

The Department will approve or deny this application in 83 business days (16 day - Administrative Review, 67 day - Substantive Review) excluding any days the application is returned to the applicant for additional information. You may request a clarification from the Department of its interpretation or application of a statute, ordinance, regulation, delegation agreement or authorized substantive policy statement as provided in A.R.S. §11-1609. Contact us by e-mail, regular mail, telephone, or in person at the address listed at the top of the page, marked attention Drinking Water Program



Chandler • Arizona

New Source Approval - How?

The Department will approve or deny this application in **83 business days** (16 day - Administrative Review, 67 day - Substantive Review) excluding any days the application is returned to the applicant for additional information. You may request a clarification from the Department of its interpretation or application of a statute, ordinance, regulation, delegation agreement or authorized substantive policy statement as provided in A.R.S. §11-1609. Contact us by e-mail, regular mail, telephone, or in person at the address listed at the top of the page, marked attention Drinking Water Program (DWP). The DWP Application Clerk is the contact for information regarding this application and can be reached at (602)506-6935 or sdwquestions@Maricopa.gov with any questions. Additional application information may also be found on our program website at <http://www.maricopa.gov/2350/Drinking-Water>.

Fee Enclosed (Please Check One): Standard Scheduled Fee - \$425 Expedited Fee - \$850 (Double Scheduled Fee)



Chandler · Arizona

New Source Approval - How?

- Water Quality Results
- ADWR Registration Record
- Well Driller's Log
- Applicable Fee (\$425 / \$850)



New Source Approval - How?

APPLICATION FOR NEW DRINKING WATER SOURCE APPROVAL

All fields are required to be completed. Incomplete applications will not be accepted.

Please Note: This application must be completed by the PWS Permit Owner or authorized representative of the PWS and submitted with applicable water quality analyses results, ADWR Registration Record, Well Driller's Log, and the applicable review fee.

Fee Enclosed (Please Check One): Standard Scheduled Fee - \$425 Expedited Fee - \$850 (Double Scheduled Fee)

Proposed Public Water System (PWS) Information			
PWS Name :			PWS 07
PWS Address:			
Type of Public Water System:	<input type="checkbox"/> Community	<input type="checkbox"/> Non-transient Non-community	<input type="checkbox"/> Transient Non-community
Est. Population served:	Est. # Service Connections:	Approx. Start Date:	
DWR Registration #:	Water Source Type:	<input type="checkbox"/> Well <input type="checkbox"/> CAP <input type="checkbox"/> SRP	Other:
Water Source Name:	<input type="checkbox"/> Existing EPDS		<input type="checkbox"/> New EPDS
Water Source Address:	Water Source Designated EPDS:		

PWS Permit Owner/Holder (PO) Information			
PO Name:		PO Contact Name:	
Address:			Zip Code:
Phone #:	Fax #:	Cell #:	Email:

PWS Permit Billing (PB) Information			
Billing Contact Name:			Title:
Billing Address:			
Phone #:	Fax #:	Cell #:	Email:

PWS Primary Certified Operator (CO) Information			
Primary Certified Operator:			License Number:
CO Business Name:			
Address:			
Phone #:	Fax #:	Cell #:	Email:

Professional Engineer (PE) Information			
PE Name:			License Number:
PE Business Name:			
Address:			
Phone #:	Fax #:	Cell #:	Email:

Mail approval to: <input type="checkbox"/> Water System owner <input type="checkbox"/> PWS Certified Operator <input type="checkbox"/> Project Engineer			
Pursuant to A.R.S. § 41-1009, the Department may enter your establishment to conduct inspections. You have the right to receive a copy of the Department's inspection report at the time of the inspection, within thirty (30) days after the inspection, or as otherwise provided by federal law. By initialing below, I agree that the Department may send me a copy of its inspection report by e-mail to the following email address:			
or by facsimile transmission to the following fax number:			(Permit Owner/Holder initials)
<u>It is the responsibility of the permit holder to update the Department if there is a change in contact information.</u>			
PWS Permit Owner/ Holder*: (Person with Fiduciary Responsibility)	Name (Print)	Signature	Date
(*Attached Letter of Authorization required if application is not signed by Permit Owner/Holder)			

For Internal Use Only		
CAP ID	DW-	Staff Assigned

NSA Existing Permit Application in fillable form

Page 2 of 3

Revised December 2012



Chandler · Arizona

New Source Approval - How?

APPLICATION FOR NEW DRINKING WATER SOURCE APPROVAL

All fields are required to be completed. Incomplete applications will not be accepted.

Please Note: This application must be completed by the PWS Permit Owner or authorized representative of the PWS and submitted with applicable water quality analyses results, ADWR Registration Record, Well Driller's Log, and the applicable review fee.

Fee Enclosed (Please Check One): Standard Scheduled Fee - \$425 Expedited Fee - \$850 (Double Scheduled Fee)

Proposed Public Water System (PWS) Information

PWS Name :						PWS 07	
PWS Address:							
Type of Public Water System:		<input type="checkbox"/> Community		<input type="checkbox"/> Non-transient Non-community		<input type="checkbox"/> Transient Non-community	
Est. Population served:			Est. # Service Connections:			Approx. Start Date:	
DWR Registration #:		Water Source Type:		<input type="checkbox"/> Well	<input type="checkbox"/> CAP	<input type="checkbox"/> SRP	Other:
Water Source Name:				<input type="checkbox"/> Existing EPDS		<input type="checkbox"/> New EPDS	
Water Source Address:				Water Source Designated EPDS:			



New Source Approval - How?

All fields are required to be completed. Incomplete applications will not be accepted.

Please Note: This application must be completed by the PWS Permit Owner or authorized representative of the PWS and submitted with applicable water quality analyses results, ADWR Registration Record, Well Driller's Log, and the applicable review fee.

Fee Enclosed (Please Check One): Standard Scheduled Fee - \$425 Expedited Fee - \$850 (Double Scheduled Fee)

Proposed Public Water System (PWS) Information

PWS Name : Chandler Municipal Water		PWS 07 -090
PWS Address: MS 905, P.O. Box 4008, Chandler, AZ 85244-4008		
Type of Public Water System:	<input checked="" type="checkbox"/> Community <input type="checkbox"/> Non-transient Non-community	<input type="checkbox"/> Transient Non-community
Est. Population served: 247,000	Est. # Service Connections: 80,000	Approx. Start Date: 10/2019
DWR Registration #: 55-226647	Water Source Type:	<input checked="" type="checkbox"/> Well <input type="checkbox"/> CAP <input type="checkbox"/> SRP Other:
Water Source Name: Fire Station Well	<input type="checkbox"/> Existing EPDS	<input checked="" type="checkbox"/> New EPDS
Water Source Address: 5211 S. McQueen Road, Chandler, AZ	Water Source Designated EPDS: 044	

PWS Permit Owner/Holder (PO) Information

PO Name: Chandler Municipal Water		PO Contact Name: Anupa Jain
Address: MS 803, P.O. Box 4008, Chandler, AZ		Zip Code: 85244
Phone #: 480-782-3655	Fax #: 480-782-3630	Cell #: <input type="text"/>
Email: anupa.jain@chandleraz.gov		

PWS Permit Billing (PB) Information

Billing Contact Name: Gina Ishida-Raybourn, PE		Title: Engineer
Billing Address: MS 905, P.O. Box 4008, Chandler, AZ 85244-4008		
Phone #: 480-782-3584	Fax #: 480-782-3805	Cell #: <input type="text"/>
Email: Gina.Ishida-Raybourn@chandleraz.gov		

PWS Primary Certified Operator (CO) Information

Primary Certified Operator: Danny Sargent		License Number: 22194
CO Business Name: Chandler Municipal Water		
Address: MS 912, P.O. Box 4008, Chandler, AZ 85244-4008		
Phone #: 480-782-3626	Fax #: 480-782-3630	Cell #: <input type="text"/>
Email: Danny.Sargent@chandleraz.gov		

Professional Engineer (PE) Information


PE Name: Gina Ishida-Raybourn, PE		License Number:
PE Business Name: Chandler Municipal Water		
Address: MS 905, P.O. Box 4008, Chandler, AZ 85244-4008		
Phone #: 480-782-3584	Fax #: 480-782-3805	Cell #: <input type="text"/>
Email: Gina.Ishida-Raybourn@chandleraz.gov		

Mail approval to: Water System owner PWS Certified Operator Project Engineer

Pursuant to A.R.S. § 41-1009, the Department may enter your establishment to conduct inspections. You have the right to receive a copy of the Department's inspection report at the time of the inspection, within thirty (30) days after the inspection, or as otherwise provided by federal law. By initialing below, I agree that the Department may send me a copy of its inspection report by e-mail to the following email address: Anupa.Jain@chandleraz.gov

or by facsimile transmission to the following fax number: 480-782-3630 (Permit Owner/Holder initials)

It is the responsibility of the permit holder to update the Department if there is a change in contact information.

PWS Permit Owner/ Holder*: (Person with Fiduciary Responsibility)	Anupa Jain Name (Print)	 Signature	9/3/19 Date
--	----------------------------	--	----------------

For Internal Use Only



Chandler • Arizona

New Source Approval - How?

Chandler · Arizona
Where Values Make The Difference

September 3, 2019

Manager, Drinking Water Program
Maricopa County Environmental Services Department
1001 N. Central Ave., Suite #150
Phoenix, Arizona 85004-1940

Re: New Source Approval of Fire Station Well, sample results, and fee payment.

The City of Chandler (Municipal Water System 07-090) wishes to attain New Source Approval for our new Fire Station Well, DWR # 55-226647. Enclosed please find a Check for \$850.00, a copy of the ADWR well documentation, a copy of the driller's report and well log, and 'New Sources Approval' sampling results dated 6/26/19 on proper forms.

Please note that:

1. A new source approval from this site was awarded dated Oct 30, 2017. There was a delay in equipping the well which resulted in the expiration of new source approval.
2. The Bacteriological analysis result is not included with the results at this time. The bacteriological analysis will be performed when the well is fully equipped and disinfected.

We anticipate this well coming on line in October 2019 pending your approval.

We eagerly await your response. If you have any questions regarding this submittal please contact me at 480-782-3655.

Sincerely,



New Source Approval - How?



Maricopa County
Environmental Services Department
Water and Waste Management Division

Drinking Water Program
501 N. 44th Street, Suite 200
Phoenix, Arizona 85008
Phone: (602) 506-6935
Fax: (602) 372-0866
TDD: (602) 372-0622
www.maricopa.gov/envsvc

New Groundwater Source Approval with Stipulations

September 11, 2019

City of Chandler
Attn: Anupa Jain,
Water Quality Advisor
1475 E. Pecos Road
Chandler, AZ 85286

Groundwater Source Proposed: ADWR#: 55-226647
PWS Name: City of Chandler - PWS# 07-090
Designated EPDS: # 044 (New EPDS)
Well Name: Fire Station Well
Application Receipt: 744103

Dear Ms. Jain,

This Department has reviewed your request to approve the above groundwater source. *This review has been conducted in accordance with the drinking water quality requirements for a community public water system.* This Department has no objection to your development of this groundwater source, with the stipulations listed below.

STIPULATIONS:

1. Construction approvals. The Department's current records indicate this well was issued the proper approval on the construction of the well in the form of Certificate of **Approval to Construct** on November 7, 2018. Upon completion of the construction work, the system must receive a certificate of **Approval of Construction** from this Department.

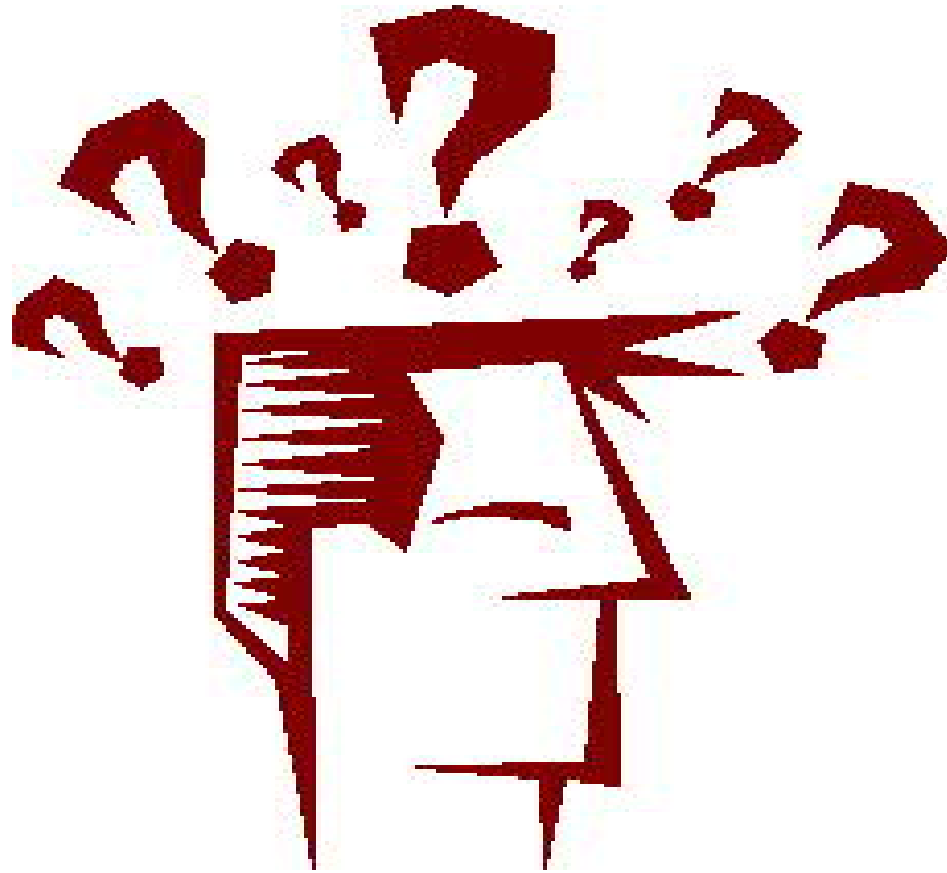
The MCESD Programs are available to meet with you and review the application requirements to approve and activate the new source. This is recommended if you or your consultants are not familiar with the approval process. If the well has undergone any modifications the water system shall qualify for and obtain proper approvals on the construction and development of the well's modifications. Please contact Souren Naradikian P.E., at (602) 372-2907 for specific information on the procedure and application requirements.

2. Microbiological water quality compliance. The initial monitoring results did not include a



Chandler · Arizona

QUESTIONS???



Chandler · Arizona