

## Construction Begins On Water Treatment Plant IV

**M**eeting the increasing water demands of the growing north Texas region served by the NTMWD, the District has commenced construction on the initial phase of Water Treatment Plant IV.

Currently, the District utilizes three water treatment plants with a combined treatment capacity of 630 million gallons per day (MGD). The addition of Water Treatment Plant IV, an additional 240 MGD, will bring the combined total treatment capacity to 910 MGD.

The initial construction phase of Plant IV will consist of a new 140 MGD treatment plant. This plant will include four (4) 35 MGD basin trains, twenty (20) 5 MGD gravity flow filters, a new chemical building, one (1) 6 MGD clearwell, a new rail car spur, and two (2) sludge lagoons.

The first two (2) basins, 35 MGD each, along with the support facilities are scheduled to be on-line in June of 2006 meeting the increased water needs during the summer months. The remaining two (2) basins, 35 MGD each, and support facilities are anticipated to be completed by July 2007.



*Water Treatment Plant IV will increase the District's water treatment capacity to 910 million gallons per day.*

Once the initial construction phase is completed, Water Treatment Plant IV will bring the total combined treatment capacity of the NTMWD to 770 MGD. Currently, the District provides a treated water supply to over 1.5 million citizens.

The initial construction contract was awarded to Bar Constructors, Inc. in the amount of \$51,856,097.

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# Texas Smartscape—Reduce The Use Of Water While Maintaining A Colorful Lawn

**A**s spring and summer approaches, many north Texas residents will be sprucing up their lawns or changing out the flower beds. Developing a Texas Smartscape landscape at your home, church, school, or business can reduce the use of water by the planting of native or drought tolerant landscapes.

Many citizens are currently experiencing or may face tighter water restrictions. Cities are implementing ordinances that ban daytime watering during designated months and designated time-of-day schedules. Efficient outdoor water use and the wise use of water is in the forefront to increase water conservation measures in this region.

As a result of a true regional cooperative effort among many cities, counties, water providers, and others in north Texas, a CD titled *Texas SmartScape* has been developed and distributed to educate the public on how to reduce the outdoor use of water, pesticides, and fertilizers by landscaping with native and adaptive plants.

This CD was created as both a storm water quality and a water conservation project through the North Central Texas Council of Governments Storm Water Management Plan. SmartScaping offers many less obvious benefits for your family and the environment. For example:

**It requires less water.** This is an important fact in north Texas where droughts are a reality.

**It can reduce your water bill.** During warm weather, 40-60 percent of your water bill is a result of outdoor water use.

**It requires less fertilizer and pesticides.** Fertilizers are most often applied in the spring and fall when we receive significant rainfall. As a result, a high percentage of the fertilizer never reaches the targeted plants, instead becomes storm water runoff that eventually enters our waterways that become our drinking water resource.



**It beautifies your home and invites native fauna to visit your garden.** Your beautiful yard will become a tranquil setting inviting birds and butterflies into your garden.

As north Texas continues to experience unprecedented growth, water use and water quality issues will be critical to the future of the region. Increasing population means more homes and businesses being built and more lawns and gardens to be planted. Traditional landscaping tends to require large quantities of water, fertilizer and pesticides. Other cities are likely to explore water conservation measures like those implemented by the cities of Allen, McKinney, Farmersville and Royse City.

Develop and implement a Texas SmartScape landscape at your home, church, school, and at local businesses in your community to reduce the use of water during the summer. To learn more about Texas SmartScape and where to obtain the Texas SmartScape CD, visit the website at [www.dfwstormwater.com](http://www.dfwstormwater.com).



# News

## Board Action

### January 2005

The NTMWD Board of Directors held a regular meeting, Tuesday, January 27, 2005, at the NTMWD Administrative Offices located at 505 East Brown Street, Wylie, Texas.

Action items were as follows:

- Approved the minutes from the December 21, 2004 Board meeting.
- Approved the repair to Plant I Rockwall Pump No. 3.
- Approved the repair of the 30-inch waterline at Renner Road and Custer.
- Approved the replacement of the valve actuators on Rockwall High Service Pump Station No. 2, Pump No. 1, Rockwall No. 2 Water Delivery Site Inlet Valve.
- Approved repair of High Service Pump No. 11, 36-inch check valve.
- Approved replacement of heat tape controllers and heating units at Chemical Buildings.
- Approved the supplemental funding and final payment for Phase II of the Lake Chapman Water Availability Study and Lake Operation Study.
- Approved the amendment to Change Order No. 1 to Frisco/McKinney Pipeline, Contract B.
- Approved motor repair of High Service Pump No. 8, at High Service Pump Station II-2.
- Approved roof repair at the Operations Building.
- Approved the 2003-04 Annual Audit and appointment of auditors for 2004-05.
- Adopted Resolution No. 05-1 authorizing execution of First Amendment to the Forney Interceptor Contract.
- Authorized execution of an architectural services agreement for the Facilities Service Technical Service Building program.
- Adopted Resolution No. 05-2 authorizing the execution of an application to the Texas Commission on Environmental Quality for authorization to appropriate additional water in Lake Texoma.
- Authorized Change Order No. 1 on Wylie to Lavon Pipeline.
- Authorized execution of First Amendment to the Advanced Funding Agreement with the Sulphur River Basin Authority.

## NTMWD WATER CONSUMPTION DATA

(August - December 2004 in 1,000 gallons)

	2002-2003	2003-2004	2004-2005		
Allen	1,825,477	1,977,437	1,986,725		
Farmersville	93,795	106,290	106,872		
Forney	300,147	399,444	387,164		
Frisco	2,389,271	2,640,071	2,570,192		
Garland	5,681,490	5,822,270	5,273,282		
McKinney	2,725,473	3,030,957	2,904,225		
Mesquite	2,939,431	2,976,931	2,610,716		
Plano	10,292,124	10,493,861	9,460,048		
Princeton	123,939	124,180	135,208		
Richardson	4,597,978	4,488,087	3,676,441		
Rockwall	1,015,761	1,124,106	1,009,882		
Royse City	107,526	149,980	139,238		
Wylie	422,213	563,862	562,133		
<b>Subtotal Member Cities</b>	<b>32,514,625</b>	<b>33,897,476</b>	<b>30,822,126</b>		
Caddo Basin	103,669	105,997	89,310		
Cash W.S.C.	88,949	112,078	108,244		
College Mound W.S.C.	16,485	24,513	8,831		
Copeville S.U.D.	28,608	32,729	29,600		
East Fork S.U.D.	73,578	99,054	82,314		
Fairview	168,876	198,114	194,964		
Fate	28,904	51,395	51,545		
Forney Lane W.S.C.	53,575	67,056	56,419		
Gastonia Scurry W.S.C.	35,510	40,180	52,469		
Josephine	13,891	17,994	17,066		
Kaufman	173,088	191,886	178,334		
Kaufman Four-One	162,480	165,133	148,089		
Lavon W.S.C.	53,763	65,359	57,947		
Little Elm	120,967	208,669	269,011		
Lucas	116,891	145,870	135,372		
Melissa	2,959	24,286	25,681		
Milligan W.S.C.	63,563	61,721	51,870		
Mt. Zion W.S.C.	42,442	54,479	41,988		
Murphy	284,415	359,601	355,105		
Nevada W.S.C.	30,048	34,959	27,098		
N. Collin W.S.C.	113,483	127,289	123,054		
Parker	133,511	165,044	153,769		
Prosper	0	0	12,500		
Rose Hill W.S.C.	7,485	3,990	2,616		
Rowlett	1,204,237	1,316,710	1,164,054		
Sachse	432,072	449,808	424,507		
Seis Lagos M.U.D.	31,458	35,947	27,572		
Sunnyvale	142,207	181,384	156,510		
Wylie N.E., W.S.C.	45,610	58,626	58,279		
<b>Subtotal Customer Cities</b>	<b>3,772,724</b>	<b>4,399,871</b>	<b>4,104,118</b>		
<b>Individual Meters</b>	<b>4,998</b>	<b>6,195</b>	<b>3,923</b>		
<b>Grand Total</b>	<b>36,292,347</b>	<b>38,303,542</b>	<b>34,930,167</b>		
<b><u>Lake Elevation</u></b>	<b><u>2004</u></b>	<b><u>2003</u></b>	<b><u>Precipitation</u></b>	<b><u>2004</u></b>	<b><u>2003</u></b>
Maximum	491.68	485.83	Total Inches	0.89	4.49
Minimum	490.99	485.5	Year to Date	15.31	14.91
Average	491.49	485.64			



# News

## Board Action

### February 2005

The NTMWD Board of Directors held a regular meeting, Thursday, February 24, 2005, at the NTMWD Administrative Offices located at 505 East Brown Street, Wylie, Texas.

Action items were as follows:

- Approved the minutes from the January 27, 2005 Board meeting.
- Approved the Independent Sources of Instruction for Investment Training.
- Approved basin 5 and basin 6 sludge drain valve and Rockwall-Farmersville High Service Pump No. 1 pump control valve replacement.
- Approved replacement of check valve and pump control valve at Casa View Pump No. 5.
- Approved repair of the rotating assembly at High Service Pump Station No. 16.
- Approved replacement of the automatic chlorinator at the Wilson Creek Wastewater Treatment Plant.
- Approved replacement of the primary waste pump (WP-202) at the Wilson Creek Wastewater Treatment Plant.
- Approved the purchase and installation of the long-range card reader at the 121 Regional Disposal Facility.
- Adopted Resolution No. 05-3 authorizing the execution of the Lower East Fork Wastewater Interceptor Contract with the cities of Mesquite and Seagoville and adopted Resolution No. 05-4 authorizing execution of the Trinity East Fork Regional Wastewater System Contract with the City of Seagoville.
- Authorized execution of an engineering services agreement for the Lower East Fork Interceptor System.
- Adopted Resolution No. 05-5 authorizing a right-of-way acquisition program for the Royse City Water Transmission Pipeline No. 2.
- Authorized award of contract for Little Elm Pipeline No. 1.
- Authorized reduction in retainage on Frisco/McKinney Pipeline, Contract C.
- Authorized Change Order No. 2 and authorized to final Ground Storage Reservoirs and Pump Stations at Shiloh Pump Station Site.
- Authorized installation of geosynthetic liner material at the 121 Regional Disposal Facility.

## NTMWD WATER CONSUMPTION DATA

(August - January 2005 in 1,000 gallons)

	2002-2003	2003-2004	2004-2005		
Allen	2,033,108	2,225,830	2,232,325		
Farmersville	106,919	120,744	126,863		
Forney	347,795	461,026	444,605		
Frisco	2,673,628	2,956,332	2,872,035		
Garland	6,489,324	6,674,093	6,092,033		
McKinney	3,055,160	3,399,669	3,260,658		
Mesquite	3,348,755	3,400,395	3,020,332		
Plano	11,494,641	11,782,500	10,712,898		
Princeton	143,615	144,439	158,504		
Richardson	5,173,393	5,094,516	4,139,951		
Rockwall	1,127,491	1,250,785	1,129,802		
Royse City	127,978	171,488	159,460		
Wylie	484,893	644,325	646,696		
<b>Subtotal Member Cities</b>	<b>36,606,700</b>	<b>38,326,142</b>	<b>34,996,162</b>		
Caddo Basin	125,941	125,579	101,316		
Cash W.S.C.	104,602	132,616	125,316		
College Mound W.S.C.	19,931	28,586	8,831		
Copeville S.U.D.	33,135	38,385	34,021		
East Fork S.U.D.	85,642	111,933	96,514		
Fairview	184,604	218,298	215,759		
Fate	33,878	58,002	60,214		
Forney Lane W.S.C.	60,353	74,175	66,001		
Gastonia Scurry W.S.C.	40,319	46,634	61,550		
Josephine	16,159	21,042	19,934		
Kaufman	199,425	225,333	207,597		
Kaufman Four-One	189,408	191,554	169,225		
Lavon W.S.C.	60,643	73,955	65,830		
Little Elm	134,435	237,738	317,744		
Lucas	130,768	164,917	151,392		
Melissa	3,859	28,338	31,053		
Milligan W.S.C.	73,310	69,992	60,131		
Mt. Zion W.S.C.	47,894	60,675	47,565		
Murphy	311,846	396,522	390,033		
Nevada W.S.C.	35,118	39,905	31,858		
N. Collin W.S.C.	129,903	147,474	143,960		
Parker	147,110	180,889	169,291		
Prosper	0	0	13,858		
Rose Hill W.S.C.	9,072	4,423	2,891		
Rowlett	1,349,035	1,478,935	1,309,520		
Sachse	488,485	505,738	481,480		
Seis Lagos M.U.D.	34,308	39,342	29,836		
Sunnyvale	157,673	204,067	176,555		
Wylie N.E., W.S.C.	53,097	66,046	64,273		
<b>Subtotal Customer Cities</b>	<b>4,259,953</b>	<b>4,971,093</b>	<b>4,653,548</b>		
<b>Individual Meters</b>	<b>5,612</b>	<b>7,015</b>	<b>4,461</b>		
<b>Grand Total</b>	<b>40,872,265</b>	<b>43,304,250</b>	<b>39,654,171</b>		
<b><u>Lake Elevation</u></b>	<b><u>2005</u></b>	<b><u>2004</u></b>	<b><u>Precipitation</u></b>	<b><u>2005</u></b>	<b><u>2004</u></b>
Maximum	495.43	486.52	Total Inches	4.15	3.23
Minimum	491.59	485.38	Year to Date	19.46	18.14
Average	492.99	485.89			