

Control Number: 42973



Item Number: 1

Addendum StartPage: 0

House Bill (HB) 1600 and Senate Bill (SB) 567 83rd Legislature, Regular Session, transferred the functions relating to the economic regulation of water and sewer utilities from the TCEQ to the PUC effective September 1, 2014.



H42973

Suite 209, 6836 Bee Caves Road Austin, TX 78746 Phone: 512-306-4000

April 29, 2013

Fax: 512-306-4009

Texas Commission on Environmental Quality
Water Supply Division, Utilities and District Section, MC-153
P.O. Box 13087
Austin, TX 78711-3087

Application for the Sale/ Transfer /Merger of multiple utility systems from the Lower Colorado River Authority to Corix Utilities (Texas) Inc.

We are pleased to provide the TCEQ with our multiple STM applications for the transfer of the utility assets and operations from the Lower Colorado River Authority to Corix Utilities (Texas) Inc. We have provided ten individual binders for each STM application and request a docket be created for each separate application. In the case of where there is both water and wastewater utilities serving the same community, both utility systems are included in the same application. Pursuant to previous discussions with TCEQ staff, several of the STM applications request mine to describe the conflicted of Convenience and Necessity (CCN) boundaries to reflect the actual coverage of the utility system. Pursuant to previous discussions, we have provided four copies of the Purchase Sale Agreement-between Corix and LCRA as this document covers the sale and purchase of all the utility systems noted herein.

Attached to this letter please find an Overview of the TCEQ filing, indicating the specific system(s) where we are requesting approval of the transfer and the issuance of a new CCN number or a new CCN for existing services. Also enclosed are applications for new Certificate of Convenience and Necessity for one of the utility systems. These systems were previously operated by LCRA without a CCN.

Our STM applications cover 14 of 18 utility systems being acquired by Corix. One system being acquired relates to the provision of raw water for irrigation purposes and is not subject to TCEQ jurisdiction. We are currently finalizing certain consents and agreements relating to the Windmill Ranch Wastewater System, the Lometa Water System and the Lometa Wastewater System, and will file our STM applications related to these utilities at a later date when these agreements are finalized.

We look forward to working with the Commission and other stakeholders with respect to this STM application. Should you have any questions, please contact me directly.

Yours truly,

Corix Utilities (Texas) Inc.

Mr. Ed Yanoshita General Manager

Cc. John Shaw, Vice President, Corporate Development

PUBLIC UTILITY COMMISSION

RECEIVED



OVERVIEW OF CORIX TCEQ FILING

A second		STM			
* * , Utility	New CCN Number*	w/map amendment (boundary tweak for existing service area)	New CCN for Existing Service	Tariff	WW Discharge Permit Transfer
Alleyton W	1		7	/	
Alleyton WW	✓				✓
Matagorda Dunes W	1	✓			
Matagorda Dunes WW	✓		12.7	· ·	✓
Camp Swift WW	√ *			1	✓
McKinney Roughs WW	√ *			V (1)	✓
Ridge Harbor W	✓	1			
Ridge Harbor WW	1				✓
Spicewood Beach W	✓	1			
Quail Creek W	✓			*****	
Smithwick Mills W	1	✓		.	
Sandy Harbor W	· /	✓			
Buchanan Lake W	✓	✓			
Paradise Point W	1	✓			

^{*} New CCN number, except for last W & WW utilities to potentially close next year, who then assume LCRA's old W & WW CCN numbers

SPICEWOOD BEACH WATER **SYSTEM**

APPLICATION FOR SALE, TRANSFER OR MERGER OF A RETAIL PUBLIC UTILITY

FOR

THE TEXAS COMMISSION ON **ENVIRONMENTAL QUALITY**

Submitted to: **TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**

WATER SUPPLY DIVISION

UTILITIES AND DISTRICTS SECTION, MC-153

P.O. Box 13087

AUSTIN, TX 78711-3087

RECEPTION PHONE: (512) 239-1000

By: CORIX UTILITIES (TEXAS) INC.

SUITE 209, 6836 BEE CAVES ROAD

AUSTIN, TX 78746

PHONE:

(512) 306-4000

FAX:

(512) 306-4009

CONTACT: EDWARD YANOSHITA

GENERAL MANAGER, CORIX UTILITIES (TEXAS) INC.

PHONE:

(512) 659-2942

EMAIL:

ED.YANOSHITA@CORIX.COM

DATE:

DECEMBER 2012



Building a World of Sustainable Communities



TABLE OF CONTENTS

TCEQ APPLICATION: SPICEWOOD BEACH	1
EXHIBIT A: CURRENT RATES	12
EXHIBIT B: CUSTOMER DEPOSITS	13
EXHIBIT C: CERTIFICATE OF ACCOUNT STATUS	23
EXHIBIT D: EXPERIENCE & QUALIFICATIONS	25
EXHIBIT E: CORIX ORGANIZATIONAL CHART	30
EXHIBIT F: UTILITY SERVICE QUALITY	33
EXHIBIT G: PRICE & UTILITY COST DATA	34
EXHIBIT H: OTHER TRANSACTION CONSIDERATIONS	35
EXHIBIT I: TARIFF TERMS & CONDITIONS FOR WATER (W)	38
EXHIBIT J: CORIX INFRASTRUCTURE (US) INC. FINANCIAL STATEMENTS	39
EXHIBIT K.1: SYSTEM SPECIFIC TECHNICAL DATA (WATER SYSTEM)	40
EXHIBIT K.2: INSPECTION REPORT - WATER	43
EXHIBIT L: SYSTEM SPECIFIC MAPS	44
EXHIBIT M: NOTICE TO CUSTOMERS (FORMS A-B)	45
EXHIBIT N: OATH OF SELLER	50
EVIDET OF OATH OF BURCHACER	E 4



TCEQ APPLICATION: SPICEWOOD BEACH

Corix is pleased to submit the following STM Application for Spicewood Beach.

	B. Utility Na	ame (if different than al	oove):Same a	s above		
	Address:	P.O. Box 220		*	Telephone: (A	C) (512) 578-3541
		Austin, TX 78767	78-98-9 × 771.7	with the state of		A 2000-00 1
		person. Please provide a on. Indicate if this person				
	Name: MAddress: Fax:	P.O. Box 220 (512-473-4094	² 1. ²	Title: Telep Emai	hone: (AC) $\overline{(5)}$. Category Manager 12) 578-3541 onica.masters@lcra.org
4.	A. What was	st rate increase for the state of the state of the effective date of the of this increase provides	ne last rate inc	crease? October 1 st	, 2010//4.8	
	predecess	•				
				3	ण अथित ज क् <u></u>	
	X No	Yes Application/Dock	tet Number: _	1	Dat	e:
5.		a list of all customers a any, and include the fo				
	Name and Add	ress of		Date of Deposit	Amount of	Amount of Unpaid
	Utility Custom	The second secon			Deposit	Interest on Deposit
	See Exhibit B-	Customer Deposits			,	1 * 3 dt 1 * "
		- 8 d 80.	Ang of Ag	. /s.		
6.	the seller customers Amendme QUEST	days of the actual transamust provide proof to the sor transferred to the pure nt #1) FIONS 6 THROUGH or entity acquiring the prix Utilities (Texas) In	Commission to chasing utility. 16 REFER 7 2 facilities and	hat these customer de Proof should include TO THE TRANSF	eposits were retu le a sworn affida	urned to the vit. <i>(See PSA</i>
		Individual, Corporation,				<u> </u>
(If	different than ab		X A			y 1 8 _{4 3} H ₂ H
	Utility Addre	ess: 6836 Bee Cave R	oad, Suite 20	9, Austin , TX 787	46	, , , , , , , , , , , , , , , , , , ,
	Fax: (512) 3	06-4009 Email: e	d.yanoshita@	corix.com Tel	ephone (AC): (512) 306-4003
	CCN Numbe	rs held prior to the filin	g of this appl	ication: N/A	y	y 1 g y
TCEC	Application		December 20	12		Page 3

7.		e appropriate box and provide information	on regarding the	e legal status of th	e transfere	ee applicant:			
	T-1-17 15-15-15	e or Property Owners Association							
	Partnership; attach copy of partnership agreement								
		oration; provide charter number as recor		ffice of the Secret	ory of Sto	ta			
		exas: #0801600117	—	ince of the Secret	ary or Sia	ie			
	Non-	profit, member-owned, member-controll	ed Cooperative	Corporation (Art	icle 1434(a) Water			
	Supp	ly or Sewer Service Corporation); provice	le charter numb	er:	, k	#			
		icipally-owned utility							
	Dist	ict (MUD, SUD, WCID, etc.)							
	Cour	nty							
	Othe	r (please explain):			k K Wy				
	<u></u>	2 2000 - 10	<u> </u>		NO HARLES				
_		licant is an <i>Individual</i> or sole proprietor	ship, provide th	e following inform	mation. If	not, skip to			
8.	the next	The control of the co		— <u></u>					
	Name:	n/a		Telephone (AC					
	Fax:	10 - 1 - 10 - 10 - 10 - 10 - 10 - 10 -	1, x 32 46	Email:		18 1 18 1 18 x			
	Address:			8 (* 8 * - 8 M NS - 9					
	•	of the legal entity applying for the transfor applies to the transferee applicant.	er. You must co	omplete either que	estion 8 oi	question 9,			
		Brett Hodson		Telephone (AC):	(604) 697	-6711			
		1160, 1188 West Georgia Street, Vanco			- 1°,				
	Position:	President	Ownership 9	% (if applicable):	n/a	7.0000000			
	N			T. 1 (4.6)	10. EX.				
	•Name:	Hamish Cumming		Telephone (AC):	<u>(604) 697</u>	-6714			
		1160, 1188 West Georgia Street, Vanco	777 227 2		*****	· · · · · · · · · · · · · · · · · · ·			
	Position:	Executive Vice President, Legal, Risk Management & Corporate Secretary	Ownership 9	% (if applicable):	n/a				
	•Name:	Albert Low	***	Telephone (AC):	(604) 697	-6704			
		1160, 1188 West Georgia Street, Vanco		4A2 Canada	(001) 021	VIVI.			
		Executive Vice President, Support		6 (if applicable):	n/a	* x			
		Services & Chief Financial Officer	, , , , , , , , , , , , , , , , , , ,	· (ii appiiomoio).	****	¥			
		A STATE OF THE STA	Side and the contract of the c			<u> </u>			
	•Name:	Dietz Kellmann		Telephone (AC):	(604) 697	-6742			
	Address:	1160, 1188 West Georgia Street, Vanco	ouver, BC V6E	4A2, Canada					
	Position:	Executive Vice President, Corporate Development		% (if applicable):	n/a	* 3 * 8 * 8 * 8 * 8 * 8 * 8 * 8 * 8 * 8			
	. N T-	The state of the s		T. 1 1 (4.6)	** ************************************				
	•Name:	R S q		Telephone (AC):	Complete State Company (Company Company Compan	A ARRANGE A MICE.			
	Address:	3				E CONTRACTOR SON AND AND AND AND AND AND AND AND AND AN			

December 2012

Page 4

TCEQ Application

				**************************************	Ownership	% (if applicab	ic).	
	•Name:	ń.	-		.3	Telephone (A	(C):	
	Address:	· · · · · · · · · · · · · · · · · · ·	1 T	1	*	Telephone (A	i f n	
	Position:	\$ 2 PM			Ownership	% (if applicab	le):	
See).		Certification			the person to	he contacted r	egarding this applic	· a f
	Indicate if	his person is perek Seal	the owner, o	perator, engin	neer, attorney	or accountant. Title: Attori		aı
	1900		Ave Suite?	2100, Austin, '	Texas 78701		AC): 512-370-2807	
		12-370-2850	w _u	2100, 11dStars	reads 79701		@winstead.com	Mari
	40.30			de Counsel 🛊	- N	211011 00001	; 4	
	the requeste	d area: Experience &	7/41			S S	utility service to	
	2	7.5	Simple Control of the	n n n n n n n n n n n n n n n n n n n	k **	2 2 2	ž	
8	iĝs ×2	*	8 A. P.		H. S.	, F	京 聲	
			nv the ICE	eQ, Texas Dep	partment of H	ealth (TDH), tl	he Office of the	
	Attorney Gononcomplia Yes X If yes, pleas these enforce	eneral (OAG) nce with rules No e attach copie	or the Envirs, orders or S es of any cors and describ	State Statutes?	with these reg	cy (EPA) in the	es concerning	
\$	Attorney Gononcomplia Yes X If yes, pleas these enforce	eneral (OAG) nce with rules No e attach copie ement actions	or the Envirs, orders or S es of any cors and describ	State Statutes?	with these reg	ulatory agenci	es concerning	
3	Attorney Gononcomplia Yes X If yes, pleas these enforce	eneral (OAG) nce with rules No e attach copie ement actions	or the Envirs, orders or S es of any cors and describ	State Statutes?	with these reg	ulatory agenci	es concerning	
, C.	Attorney Gononcomplia Yes X If yes, please these enforce requirements Describe the	eneral (OAG) nce with rules No e attach copie ement actions s. Attach add e source and a ats, if any, to a	es of any cors and describitional sheet	respondence to any actions if needed.	with these reg	ulatory agencion comply with the second seco	es concerning those	
	Attorney Gononcomplia Yes X If yes, please these enforce requirements Describe the improvements	eneral (OAG) nce with rules No e attach copie ement actions s. Attach add e source and a ats, if any, to a	es of any cors and describitional sheet	respondence to any actions if needed.	with these reg and efforts to ed to make the	ulatory agencion comply with the second seco	es concerning those	

The source and availability of funds required to make the planned or required improvements as identified in Exhibit K (Q.17.c), if any, will be from a combination of intercompany debt, equity funding from Corix Infrastructure (US) Inc., and internal cash flow from operations.

See Exhibit E - Corix Organizational Charts

D. Describe the anticipated impact of this transaction on the quality of utility service and explain any anticipated changes in the quality of service.

Corix anticipates the quality of utility service will be the same or better subsequent to this transaction. Corix has an extensive proven track record of providing water and wastewater utility services to similar sizes and types of systems as the system subject to this transaction.

Corix Operating Plan and Quality Management Plan for the system is attached as per Exhibit F—Utility Service Quality

E. How will the transaction serve the public interest?

Based on 30 Texas Administrative Code Section 291.112(c)(5) of TCEQ's rules, which describes the factors that TCEQ must consider in determining whether the transaction is in the public interest, Corix will provide proper notice, and as described in more detail in other provisions of the application, Corix is capable of rendering adequate and continuous service to every consumer within the certificated area, has extensive experience as a utility service provider, has a history of complying with regulatory requirements that apply to regulated public utilities and of properly managing or using revenues as a utility service provider, and has the ability to provide the necessary capital investment to ensure the provision of continuous and adequate service to the customers of the public utilities.

12 Please describe the nature of the proposed transaction:

In November 2010, the Lower Colorado River Authority (LCRA) announced its intention to divest itself of the retail and wholesale water and wastewater utility systems that it owned. In August of 2012, after undertaking a national solicitation process, LCRA announced that Corix was the preferred proponent to acquire substantially all of the utility systems that LCRA was seeking to divest. In November, 2011, Corix and LCRA entered into a Memorandum of Understanding to acquired 18 utility systems in the Hill Country and in the S.E. Region of Central Texas. On March 31st, 2012 Corix and LCRA executed a Purchase Sale Agreement which provided a base purchase price, an allocation of the purchase price between systems and a closing price adjustment mechanism (to account for changes in asset values between June 30th, 2011 and the closing date to acquire these 18 utility systems). On October 1st, 2012, Corix and LCRA also executed a Confirmation and Supplemental Agreement related to the utility systems, but excluding Lometa water and wastewater system.

The 18 systems subject to this purchase sale transaction are listed below:

- Alleyton Water Utility System
- Alleyton Wastewater Utility System
- 3. Matagorda Dunes Water Utility System
- Matagorda Dunes Wastewater Utility System
- Camp Swift Wastewater Utility System
- McKinney Roughs Wastewater Utility System
- Ridge Harbor Water Utility System 7.
- Ridge Harbor Wastewater Utility System 8.
- Spicewood Beach Water Utility System
- 10. Quail Creek Water Utility System
- 11. Smithwick Mills Water Utility System
- 12. Sandy Harbor Water Utility System
- Lake Buchanan Water Utility System
 Paradise Point Water Utility System
- 15. Lometa Water Utility System (subject to ROFR by City of Lometa, expired)
- 16. Lometa Wastewater Utility System (subject to ROFR by City of Lometa, expired)17. Windmill Ranch Wastewater Utility System (Pending)
- 18. Windmill Ranch Raw Water Transportation System (not subject to TCEQ jurisdiction) (Pending)

In addition, under the terms of the Purchase Sale Agreement, Corix and LCRA will work collaboratively with the respective stakeholders to develop a plan of action to replace the non-compliant water supply at Bonanza Beach and Tow Village (the "Environmentally Excluded Assets") with a new water supply, such that LCRA can become fully divested of these two remaining utility systems within 2 years of the financial close of the divestiture of other systems to Corix. Notwithstanding, Corix is under no obligation to acquire the original water distribution system assets.

The Right of First Refusal held by the City of Lometa expired on July 3rd unexercised.

Corix, pursuant to an Transitional Operations & Maintenance Agreement with LCRA has commenced operations of the 18 systems on July 1st, 2012. This operational contract will terminate on the financial closing and transfer of <u>each</u> individual system from LCRA to Corix. The proposed transaction represents a unique utility privatization transaction in the State of Texas, where a public agency is divesting itself of 17 retail utility systems and a raw water supply system to an investor owned utility.

13 If the transferee applicant is an Investor Owned Utility (IOU) and will be under the rate jurisdiction of the TCEQ, please provide the following information.

See Exhibit G - Price & Utility Cost Data

A.	 Total Purchase Price: Total Original Cost (as recorded on Accumulated Depreciation as of the Contributions in Aid of Constructio Specific surcharges approve Revenues from explicit cust Developer Contributions (p Other Contributions (please Total Contributions in Aid of 	proposed effective dat n: ed by TCEQ: comer agreements: lease explain): explain):		on:
	• Net Book Value: If the Original Cost or any of the about the PUC, the TWC or the TCEQ, please Application/Docket Number: n/a		ation/Docket Nun	nber and date:
should	provide any other information concer be given consideration if not explaine H – Other Transaction Consideration	ed elsewhere in the app	•	lieve
C.	Complete the following proposed ent surviving) company. Additional entri-intended to pose descriptive limitation	es may be made; the fons.		ested only, and not
	Utility Plant in Service:	**	T-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	**************************************
	Plant Acquisition Adjustment:			
	Extraordinary Loss on Purchase:	(% fg	- 44Pmmmmmmmmm	
	Accumulated Depreciation of Plant: _ Cash:		***	
	-	* 1	4.3	
	Notes Payable:			
	Mortgage Payable:	****	f	2 2
	Others (please list):	**************************************	4	
	As the purchaser, I understand that it provide written evidence and support used and useful for providing utility s	for the original cost an		
TCEQ Application	Decembe	er 2012		Page 8

Corix proposes to adopt the existir acquisition of the utilities. Notwithstar are not allowed to be charged by a Intraff Terms and Conditions. Pleas Contingency Plan) List all neighboring water and same service within two (2) in should be available from the operator. Lower Colorado River Autilians Waterford MUD #1 Lost Cove WSC Windermere Oaks WSC Vista Del Rio POA, Inc.	nding the foregoing, some of the nvestor Owned Utility, and have se refer: Exhibit I (Tariff Te d /or sewer utilities, cities, and miles of area affected by this water utility database (WUD	e fees charge e been remov rms & Cond and political s proposed tra	ed in the former Led by Corix in its itions (including ubdivisions promoted).	CRA Tariff s proposed g Drought viding the information
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Tariff Terms and Conditions. Pleas Contingency Plan) 5. List all neighboring water and same service within two (2) in should be available from the operator. • Lower Colorado River Autl • Waterford MUD #1 • Lost Cove WSC • Windermere Oaks WSC	nding the foregoing, some of the nvestor Owned Utility, and have se refer: Exhibit I (Tariff Te d /or sewer utilities, cities, and miles of area affected by this water utility database (WUD	e fees charge e been remov rms & Cond and political s proposed tra	ed in the former Led by Corix in its itions (including ubdivisions promoted).	CRA Tariff s proposed g Drought viding the information
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Tariff Terms and Conditions. Pleas Contingency Plan) 5. List all neighboring water and same service within two (2) in should be available from the operator. • Lower Colorado River Autl • Waterford MUD #1 • Lost Cove WSC • Windermere Oaks WSC	nding the foregoing, some of the nvestor Owned Utility, and have se refer: Exhibit I (Tariff Te d /or sewer utilities, cities, and miles of area affected by this water utility database (WUD	e fees charge e been remov rms & Cond and political s proposed tra	ed in the former Led by Corix in its itions (including ubdivisions promoted).	CRA Tariff s proposed g Drought viding the information
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Tariff Terms and Conditions. Pleas Contingency Plan) List all neighboring water and same service within two (2) in should be available from the operator. Lower Colorado River Autl Waterford MUD #1 Lost Cove WSC	nding the foregoing, some of the nvestor Owned Utility, and have se refer: Exhibit I (Tariff Te d /or sewer utilities, cities, and miles of area affected by this water utility database (WUD	e fees charge e been remov rms & Cond and political s proposed tra	ed in the former Led by Corix in its itions (including ubdivisions promoted).	CRA Tariff s proposed g Drought viding the information
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Tariff Terms and Conditions. Pleas Contingency Plan) 5. List all neighboring water and same service within two (2) n should be available from the operator. • Lower Colorado River Autl • Waterford MUD #1	nding the foregoing, some of the nvestor Owned Utility, and have se refer: Exhibit I (Tariff Te d /or sewer utilities, cities, and miles of area affected by this water utility database (WUD	e fees charge e been remov rms & Cond and political s proposed tra	ed in the former Led by Corix in its itions (including ubdivisions promoted).	CRA Tariff s proposed g Drought viding the information
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Tariff Terms and Conditions. Pleas Contingency Plan) List all neighboring water and same service within two (2) meshould be available from the operator. Lower Colorado River Autiliary and the same service.	nding the foregoing, some of the nvestor Owned Utility, and have se refer: Exhibit I (Tariff Te d /or sewer utilities, cities, and miles of area affected by this water utility database (WUD	e fees charge e been remov rms & Cond and political s proposed tra	ed in the former Led by Corix in its itions (including ubdivisions promoted).	CRA Tariff s proposed g Drought viding the information
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Tariff Terms and Conditions. Pleas Contingency Plan) List all neighboring water and same service within two (2) in should be available from the operator.	nding the foregoing, some of the nvestor Owned Utility, and have se refer: Exhibit I (Tariff Te d /or sewer utilities, cities, and miles of area affected by this water utility database (WUD	e fees charge e been remov rms & Cond and political s proposed tra	ed in the former Led by Corix in its itions (including ubdivisions promoted).	CRA Tariff s proposed g Drought viding the information
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Tariff Terms and Conditions. Pleas Contingency Plan) List all neighboring water and same service within two (2) in should be available from the	nding the foregoing, some of the nvestor Owned Utility, and have se refer: Exhibit I (Tariff Te d /or sewer utilities, cities, and miles of area affected by this	e fees charge e been remov rms & Cond and political s proposed tra	ed in the former Led by Corix in its itions (including ubdivisions promoted).	CRA Tariff s proposed g Drought viding the information
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Tariff Terms and Conditions. Pleas Contingency Plan) List all neighboring water and same service within two (2) in should be available from the	nding the foregoing, some of the nvestor Owned Utility, and have se refer: Exhibit I (Tariff Te d /or sewer utilities, cities, and miles of area affected by this	e fees charge e been remov rms & Cond and political s proposed tra	ed in the former Led by Corix in its itions (including ubdivisions promoted).	CRA Tariff s proposed g Drought viding the information
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Tariff Terms and Conditions. Pleas Contingency Plan) List all neighboring water and same service within two (2) n	nding the foregoing, some of the nvestor Owned Utility, and have se refer: Exhibit I (Tariff Te d /or sewer utilities, cities, and miles of area affected by this	e fees charge e been remov rms & Cond and political s proposed tra	ed in the former Led by Corix in its itions (including ubdivisions promoted).	CRA Tariff s proposed g Drought viding the information
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Fariff Terms and Conditions. Pleas Contingency Plan) List all neighboring water and	nding the foregoing, some of the nvestor Owned Utility, and have se refer: Exhibit I (Tariff Te	e fees charge e been remov rms & Cond and political s	ed in the former L red by Corix in its itions (including ubdivisions pro	CRA Tariff sproposed Drought viding the
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Fariff Terms and Conditions. Pleas Contingency Plan	nding the foregoing, some of the nvestor Owned Utility, and have se refer: Exhibit I (Tariff Te	e fees charge e been remov rms & Cond	ed in the former L ed by Corix in its itions (including	CRA Tariff s proposed g Drought
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Tariff Terms and Conditions. Pleas	nding the foregoing, some of the ovestor Owned Utility, and have	e fees charge e been remov	ed in the former L red by Corix in its	CRA Tariff proposed
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Tariff Terms and Conditions. Pleas	nding the foregoing, some of the ovestor Owned Utility, and have	e fees charge e been remov	ed in the former L red by Corix in its	CRA Tariff proposed
acquisition of the utilities. Notwithstar are not allowed to be charged by a In Tariff Terms and Conditions. Pleas	nding the foregoing, some of the ovestor Owned Utility, and have	e fees charge e been remov	ed in the former L red by Corix in its	CRA Tariff proposed
cquisition of the utilities. Notwithstar re not allowed to be charged by a In	nding the foregoing, some of the ovestor Owned Utility, and have	e fees charge e been remov	ed in the former L red by Corix in its	CRA Tariff proposed
acquisition of the utilities. Notwithstan	nding the foregoing, some of th	e fees charge	d in the former L	CRA Tariff
Corix proposes to adopt the existing	ng rates charged by LCRA :	and maintain	those rates foll	owing our
Other. Thease expla	HI I.			
🏻 🗶 X Other. Please expla	in [.]			
<u>*</u>	The state of the s	<u> </u>		
- , , , , , , , , , , , , , , , , , , ,	19	Park Car		
to change rates with the C		gcoo		-LL
subject to Section 11.3 of	the Corix-LCRA Purchase Sa	e Agreement	Corix will file its	application
	rate adjustments. Depending			
studies and based on th	ne results of the cost of serv	ces studies	Corix will he he	tter able to
cplication to change rates of some/air cplain: Following the close of this	transaction, Corix current plan	are to unde	n. II ou, picasc rtake detailed co	st of service
_ Applicant is an IOU and intends to oplication to change rates of some/all				
Applicant is an IOU and intends to	file with the Commission or mu	inicinal regula	tory authority an	
	# 2R 1000 000 00 00 00 00 00 00 00 00 00 00	室 研	TH THE T	T 5 4
图		F 90	₽(60 3g
and the second of the second o	Pi Ti	nt 35	. 4	Je
been agreed to between the Parties.	· · · · · · · · · · · · · · · · · · ·		* * *	e ·
of the Corix-LCRA Purchase Sale Ag	jreement regarding possible ra	te impact mit	igation measures	that have
studies, Corix will be better able to de	termine any required rate adju	stments. Plea	se refer also to S	Section 5.3
olans are to undertake detailed cost	t of service studies, and base	ed on the res	sults of the cost	of service
acquisition of the utilities until Corix ha	as better information about the	required cos	ts of services. Co	rix current
Corix proposes to adopt the existing r	ates currently charged by LCF	A and mainta	in those rates fol	llowing our
8 E.S.				E is
3 0,1			minutes	
ates are changing, please explain:				
<u>sc</u>	's will be charged different rate	s man mey we	ere charged befor	e me transac
Some All customer	marged the same rates as they	- 41 41	h	. the tueses
Some All customer	sharged the same rates as they i	were charged	hefore the transac	etion
All the customers will be c				
X All the customers will be c			0	allociou o
X All the customers will be c		the rates to b	e charged to the	affected cu
Please indicate the proposed X All the customers will be c	effect of this transaction on			affected ci
Please indicate the proposed All the customers will be c				affected ci

- Lower Colorado River Authority
- Waterford MUD #1
- Lost Cove WSC
- Windermere Oaks WSC
- Vista Del Rio POA, Inc.

16. Financial, Managerial and Technical information for the acquiring entity.

See Exhibit J - Corix Infrastructure (US) Inc. Historical Financial Statements

The financial information presented is for **Corix Infrastructure (US) Inc.**, which is the parent company of **Corix Utilities (Texas) Inc.** (the acquiring entity). As Corix Utilities (Texas) Inc. was incorporated to undertake the acquisition of the LCRA water and wastewater systems, it has no historical financial information. Pursuant to discussions with TCEQ staff, projected financial statements for Corix Utilities (Texas) Inc. are not required.

17. - 22. PLEASE ANSWER QUESTIONS 17 THROUGH 22 ON A DIFFERENT SHEET FOR EACH PHYSICALLY DISTINCT SYSTEM BEING TRANSFERRED OR ACQUIRED

See Exhibit K - System Specific Technical Data

23. List the name, class, and license number of the operator(s) that will be responsible for the system:

Name	Class / License#		
Hill Country:	Water - Surface	Water- Groundwater	Wastewater
Gregg Goldsmith	A, WO0019383	A, WO0019383	B, WW0014975
Gaylin Griffin	C, WS0010294	n/a	C, WW0044585
Rockey Layton	B, WS0000537	C, WG0011888	C, WW0037426
Tim Simon	A, WO0018590	A, WO0018590	B, WW0039702
Tommy Collier	A, WO0012271	A, WO0012271	n/a
Hillman Hockett	B, WS0002599	C, WG0002675	B, WW0026967
Matt Molter	B, WS0008134	B, WG0009332	B, WW0033713
David Miller	D, WO0031067	n/a	D, WW0046560
Greg Preseley	C, WS0009023	B, WG0003228	B, WW0005270
Michael Stone	n/a	C, WG00012159	n/a
South East Region:	Water - Surface	Water- Groundwater	Wastewater
Don Nolen	n/a *	C, WG0010233	B, WW0027951
Dennis Ramsey	n/a	C, WG0001854	C, WW0001468
Glenn Smith	n/a	D, WO0010233	B, WW0029926
James Elam	n/a	D, WO0016971	C, WW0010297
Jason Murry	n/a	C. WG0004252	II, WW0034303

TCEQ Application December 2012 Page 10

b. One large scale map showing the proposed service area boundaries being sold, transferred, or merged and, if available, the existing and proposed facilities. Color coding should be used to differentiate existing from proposed facilities. Facilities and service area boundaries should be shown with such exactness that they can be located on the ground.

If transferring area not currently in a CCN or a portion of an existing CCN area please attach the following hard copy maps with each copy of the application:

- 1. A general location map delineating the proposed service area with enough detail to accurately locate the proposed area within the county.
- 2. A map showing only the proposed area by:
 - i. metes and bounds survey certified by a licensed state or registered professional land surveyor; or
 - ii. projectable digital data with metadata (proposed areas should be in a single record and clearly labeled, data disk should be included); or
 - iii. following verifiable natural and man-made landmarks, or
 - iv. a copy of recorded plat map with metes and bounds.
- 3. A written description of the proposed service area.



EXHIBIT A: CURRENT RATES

SPICEWOOD SYSTEM

Hill Country Water (Spicewood Beach Water)

Effective October 1, 2010

*Please refer to Exhibit I - Section1 (Tariffs) for additional rate information.



EXHIBIT B: CUSTOMER DEPOSITS

Please refer to the following page for Exhibit B.



House Bill (HB) 1600 and Senate Bill (SB) 567 83rd Legislature, Regular Session, transferred the functions and records relating to the economic regulation of water and sewer utilities from the TCEQ to the PUC effective September 1, 2014.

Central Records Personally Identifiable Information Audit

NOTICE OF REDACTION

Documents containing Personally Identifiable Information* have been redacted from electronic posting, in accordance with Texas privacy statutes.

^{*&}quot;Personally Identifiable Information" (PII) is defined to include information that alone or in conjunction with other information identifies an individual, including an individual's: Social security or employer taxpayer identification number, driver's license number, government-issued identification card number, or passport numbers, checking and savings account numbers, credit card numbers, debit card numbers, unique electronic identification number, address, or routing code, electronic mail names or addresses, internet account numbers, or internet identification names, digital signatures, unique biometric data, and mother's maiden name, marriage and any other numbers or information used to access an individual's financial account.



EXHIBIT C: CERTIFICATE OF ACCOUNT STATUS

Please refer to the following page for Exhibit C.



Certificate of Account Status - Letter of Good Standing

Page 1 of 1



TEXAS COMPTROLLER OF PUBLIC ACCOUNTS

SUSAN COMBS · COMPTROLLER · AUSTIN, TEXAS 78774

August 14, 2012

CERTIFICATE OF ACCOUNT STATUS

THE STATE OF TEXAS COUNTY OF TRAVIS

I, Susan Combs, Comptroller of Public Accounts of the State of Texas, DO HEREBY CERTIFY that according to the records of this office

CORIX UTILITIES (TEXAS) INC.

is, as of this date, in good standing with this office having no franchise tax reports or payments due at this time. This certificate is valid through the date that the next franchise tax report will be due May 15, 2013.

This certificate does not make a representation as to the status of the entity's registration, if any, with the Texas Secretary of State.

This certificate is valid for the purpose of conversion when the converted entity is subject to franchise tax as required by law. This certificate is not valid for any other filing with the Texas Secretary of State.

GIVEN UNDER MY HAND AND SEAL OF OFFICE in the City of Austin, this 14th day of August 2012 A.D.

Sum Cambo Susan Combs Texas Comptroller

Taxpayer number: 32048021474 File number: 0801600117

Echarter No.

Form 05-304 (Rev. 12-07/17)



EXHIBIT D: EXPERIENCE & QUALIFICATIONS

Please refer to the following pages for Exhibit D.



CORIX EXPERIENCE AND QUALIFICATIONS

Corix Utilities (Texas) Inc.

Corix Utilities (Texas) Inc. (the "applicant") is a newly formed, wholly-owned subsidiary of Corix Infrastructure (US) Inc. The Company was established to acquire the assets and operations of 18 small utility systems from LCRA and to undertake additional utility operations and activities in the State of Texas. On July 1, 2012, Corix Utilities (Texas) Inc. assumed day-to-day operations, maintenance and asset management responsibility for the 18 utility systems subject to this transaction under contract with LCRA. Corix Utilities (Texas) Inc. has hired many of the utility operating staff from LCRA and so there has not been loss of system knowledge arising from the transition of operations. Corix Utilities (Texas) Inc. has been providing high quality operation, maintenance and asset management services, as well as customer care and billing services, on an on-going basis. Corix Utilities (Texas) Inc. is part of the Corix Group which provides utility services to small and medium sized communities across North America. As such, Corix Utilities (Texas) Inc. has access to organizational support and technical expertise in order to provide a continuing level of quality services.

Corix Group

Corix is a recognized leader in the implementation of sustainable water, wastewater and energy infrastructure solutions for communities across North America. Corix designs, supplies, builds, installs, finances and manages utility infrastructure on behalf of municipal, institutional, military and private-sector customers.

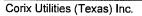
Corix currently has over 2,500 employees, in three business groups, dedicated to providing high quality utilities, services and products across North America. Combined with its subsidiaries, Corix brings 70 years of experience, financial stability and cost effective, efficient approaches to operating and maintaining community utility infrastructure. The combination of operations and maintenance expertise, in-house management capabilities, financial resources, and vertical integration of products, systems and services all together guarantees sustainable solutions to almost any multi-utility project. The Corix team also offers a wide range of professional, qualified operators and technicians in all fields of sustainable energy, potable and non-potable water and wastewater. With its national operational governance, technical supervision and training, Corix assures high quality operational performance and safety in the systems it operates.

Corix has a history of stable revenue generation and operating cash flow. We have the benefits of strong management, focused governance, and financial conservatism that has served us well over the past decade. Corix has a diversified revenue base across various regions in the United States and Canada and across three core business divisions: utility operations, utility services, and utility products.

This integrated business model allows Corix to bring unique benefits to our utility operations by leveraging our inhouse utility services and products, and manufacturing and control solutions capacity. In the United States, Corix now operates in 30 States, (refer map below), with large operations in southern California, on the East Coast, and in the Midwest. Our Corix Water Products Group also maintains a network of branch offices in California. "Corix Utility" operations currently has over 500 staff in the United States serving over 350,000 people with water, wastewater and multi-utility systems. We operate utilities in 18 States, through seven regional offices and over 80 subsidiary companies. On March 30, 2012 Corix also announced its agreement to acquire 20 small water and wastewater utility systems in Central Texas from the Lower Colorado River Authority. These acquisitions significantly bolstered our water and wastewater holdings and overall institutional capacity.

Lines of Business

Corix has a unique "economies of scope" business model that integrates three distinct but highly complementary lines of business: Utilities, Utility Services and Utility Products as noted in the chart below:



December 2012



Operational Focus and Expertise COPIX Group of Companies

Corix Utilities

Corix focus is placed on providing utility ownership and management across <u>multiple utilities</u> at the local level. Utilities under management by Corix include water treatment and distribution, wastewater collection and treatment, combined heat & power (CHP) plants & heat distribution systems, natural gas and electricity distribution, and chilled water plants and distribution systems.

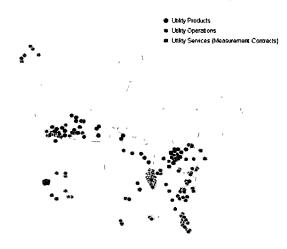
Utility Services

Corix provides measurement and metering services to municipalities, utilities, and cooperatives throughout North America. The services provided include automated meter reading deployment, maintenance and support, meter changes and retrofits, contract meter reading, code compliance, utility field installation services and other special field services. Corix also provides water & wastewater contract operations and turnkey design-build water systems and fire hydrant leak detection, maintenance, and repair.

Utility Products

Corix operates 38 utility products branches across North America, distributing a full line of pipes, valves, meters, pumps, irrigation equipment, service, and repair products and other components that are used to transport clean water and wastewater. Corix also serves the oil, gas, and industrial products sector by providing measurement and flow control equipment.

Corix Operational Locations Map





Key Staff

The following offers a brief overview of Corix Utilities (Texas) Inc. personnel qualifications and experience (also refer to the staff organizational chart in *Exhibit E*):

Kevin G. Meagher - Vice President and Chief Operating Officer - Corix Utilities (US) Inc.

Kevin Meagher is Vice President and Chief Operating Officer for Corix Utilities (US) Inc. Drawing on over 30 years of utility experience, Kevin is responsible for the overall US operations of Corix Utilities, Oklahoma, Texas and Infrastructure (US) Inc. with more than 1,100 employees and currently over twenty utility and municipal projects that continue to expand. Under Kevin's leadership and guidance, Corix Utilities (US) has evolved to become one of the leading Infrastructure, Automated Meter Installation/Automated Meter Reading (AMI/AMR) project management and services contractors in the country. Kevin has played a major role in the development of Corix's systems and processes while continuing to build on the founding principles of employee safety, high quality value added services and customer satisfaction. He has also played a key role in the transition and integration of the Oklahoma University utility project.

• Edward T. Yanoshita, P.Eng., JD, General Manager, Corix Utilities (Texas) Inc.

Edward Yanoshita is a professional engineer and also a lawyer. Prior to attending law school where he earned a business law degree, Ed had a 25 year career in business, engineering and technical sales of process equipment, specializing in water and wastewater treatment equipment. Ed is currently utilizing his range of skills and experience overseeing the transition of multi-utility operations to Corix in the southwest US

• R. Darrin Barker, MBA, Utilities Operations Manager, Corix Utilities (Texas) Inc.

Darrin Barker is the Utility Operations Manager for Corix in Texas. He was hired by Corix in July of 2012. Prior to that, Darrin was the Operations Manager for LCRA's water and wastewater utilities. Following three years as City Manager for the City of San Saba, Darrin was employed by LCRA where he remained for 18 years. Darrin has also served as a rate design analyst and management analyst for the Public Utility Commission of Texas from 1989 to 1992. Darrin has a BSc. in Agriculture Economics and MBA (Texas A&M University).

Gloria L. Broussard, Senior Environmental Coordinator, Corix Utilities (Texas) Inc.

Gloria Broussard has been involved in the water and wastewater industry since 1974, holding Water Operator, Lab Analyst, Laboratory Supervisor, Wastewater Superintendent and Water Quality (pretreatment program) Administrator positions. With 11 years experience as a Senior Environmental Coordinator, and a Wastewater Operations License, Gloria is responsible for the regulatory compliance of water and wastewater facilities at Corix, including all regulatory reporting to state agencies such as the Texas Commission on Environmental Quality, Texas Water Development Board, and local groundwater conservation districts. Current duties at Corix also involve addressing public water quality enquiries and training water and wastewater operators on new regulations.

• Gregg Goldsmith, Supervisor, Corix Utilities (Texas) Inc.

Gregg Goldsmith has both Surface Water License and B Wastewater license. Gregg began his water and wastewater career in1992 at LBJ MUD in Horseshoe Bay, working in all areas of field and plant operations. In 1999, Gregg accepted a job offer for employment with the LCRA to operate the Uplands water system in Bee Caves. In 2000 he was promoted to Area Supervisor for the Hill Country Region. He began his position with Corix in 2012 as a Hill Country Supervisor, overseeing numerous surface and ground water plants, water systems, wastewater plants and a composting facility.



Jason Murry

Jason Murry is currently Operations Supervisor for Corix Utilities (Texas) Inc. for the Southeast Region which includes water and wastewater utility systems in the Bastrop, Camp Swift, Alleyton and Matagorda areas. Jason has more than 10 years supervisory experience in the operation, repair and construction of water/wastewater distribution systems, leak repair and new service connections/extensions

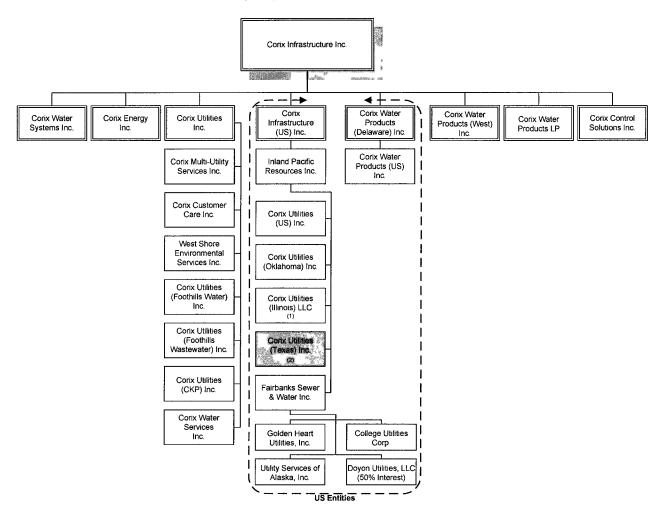


EXHIBIT E: CORIX ORGANIZATIONAL CHART

Please refer to the following pages for Exhibit E.



CORIX ORGANIZATIONAL STRUCTURE



Corix Corporate Organizational Chart

Note: Reflects material operating subsidiaries only and is not the full or legal organization structure. December 2012

Please refer to the following page for an overview of Corix Utilities (Texas) Inc. and staff structure.



CORIX UTILITIES (TEXAS) INC. Organizational Structure

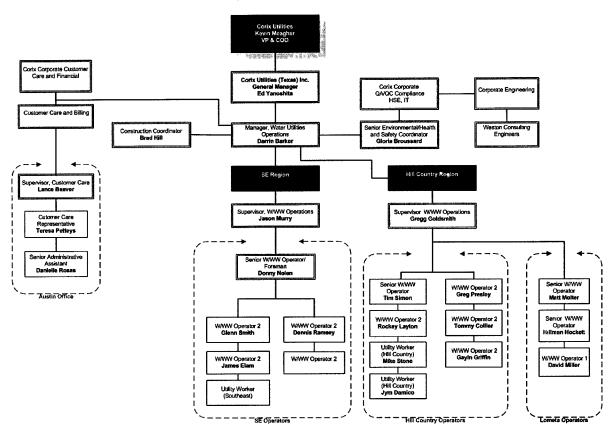




EXHIBIT F: UTILITY SERVICE QUALITY

Please refer to the following pages for Exhibit F.

CORIX OPERATING PLAN AND QUALITY MANAGEMENT PLAN

FOR

LOWER COLORADO RIVER AUTHORITY

LOWER COLORADO RIVER AUTHORITY Submitted to:

3700 LAKE AUSTIN BOULEVARD

AUSTIN, TEXAS 78703

ATTENTION: MONICA MASTERS

TEL: 512.473.3541

EMAIL:

MONICA.MASTERS@LCRA.ORG

CORIX UTILITIES (TEXAS) INC. BY:

6836 BEE CAVES ROAD, SUITE 209

AUSTIN, TEXAS 78746

CONTACT: ED YANOSHITA

GENERAL MANAGER

OFFICE: 512-306-4000

CELL: 512-659-2942
EMAIL: FD YAME

ED.YANOSHITA@CORIX.COM

DECEMBER 2012 DATE:

COLIX **Utilities**

Building a World of Sustainable Communities



TABLE OF CONTENTS

1	WAT	ER & WASTEWATER OPERATIONS & MAINTENANCE PLAN	1
	1.1 1.2 1.3 1.4 1.5 1.6 1.7	Staffing Plan that Optimizes Cross Training and Certification. Process Optimization Overview	5 7 7
2	PRE	VENTIVE MAINTENANCE	.10
	2.1 2.2 2.3 2.4 2.5	Preventive Maintenance Plan (PM) Corrective Maintenance Plan (CM) Predictive Maintenance Plan (PDM) Initial Equipment Condition Evaluation The Asset Guardian (CMMS)	.12 .12 .12
3	O&N	//QUALITY MANAGEMENT PLAN & HEALTH SAFETY AND ENVIRONMENTAL (HSE) PLAN	.21
	3.1	Management Responsibility	.22 .22
	3.2	Operating and Maintaining the Utility Systems 3.2.1 Operational Strategies 3.2.2 General Environmental Compliance 3.2.3 Other Environmental Conditions 3.2.4 Long-Term Monitoring Procedures	.23 .24 .24
	3.11 3.12 3.13 3.14 3.15 3.16	Summary of Operation and Maintenance Practices. Water Treatment and Distribution System – Maintenance Strategies. Water Treatment and Distribution Systems – Operational Strategies. Water Treatment and Distribution Systems – Initial Activities. Water Treatment and Distribution Systems – Work Crew Activities. Water Treatment and Distribution Systems – New Taps and Customers. Feedback and Process Improvements. Water Systems – Inspections and Quality Assessment Procedures and Techniques. Water Treatment and Distribution Systems Maintenance Requirements. Water System – Recordkeeping Processes. Water System – Environmental Safety and Health Compliance Plan. Performance Standards and/or Specifications – Water Operations Activities. Wastewater – Environmental Safety and Health Compliance Plan.	.27 .28 .30 .31 .31 .32 .33 .34 .35 .41 .43
	3.17	Performance Standards and/or Specifications – Wastewater	43



	3.19	Other St	erformance Indicators tandards and Specifications Health & Safety Practices Employee Safety and OSHA Compliance Safety Management	49 49
	3.21	Safety a	nd Health Plan	51
		3.21.1	Personal Protective Equipment	
		3.21.2	Personnel Medical Surveillance	
		3.21.3	Project Appearance and Housekeeping	
		3.21.4	Health and Safety Training	
		3.21.5	Responsibility for Safety and Health	54
	3.22	Custome	er Care & Billing Initial Operating Plan	59
4	Сомі	MUNITY O	UTREACH PLAN	62
	4.1	Commur	nity Relations	62
Fig Fig	ure 1: ure 2: ure 3:	TAG We	tilities Staffing Organization Chart ork Procedures Card incl. Validation Results Card rpical Supervisor Menu	14 15
Fig	ure 4:	TAG Ty	pical Administrator Menu	16
Figi	ure 5:	TAG Da	ate Meter Maintenance Policy Card	17
Fig	ure 0. ure 7:	TAG Re	echnician Whiteboardeleased Work Order	18 18
			ending Approval Maintenance Work Order	
Figi	ure 9:	TAG Pri	intable Work Order	19
Figi	ure 1	1: Feed	tional and Maintenance Strategies Work Order Process from TAG Sy back and Process Improvements Built into the Corix Quality A	rstem20 ∖ssurance
Figu	ure 12	2: Enviroi 3: Custor	nmental Compliance for Wastewater Collection System mer Care and Billing	43
		ABLES	nor care and billing	01
Tab	le 1:	Process	Optimization Actions	4
			ability and Operation & Maintenance of WTS & WDS Utilities	
Tab	ie 3: ie 4:	Operation	ability and Operation & Maintenance of WWTS & WWCS Utilities anal & Maintenance Strategy for Water Treatment and Distribution Sys	6
Tab	le 5:	Operatio	nal & Maintenance Strategies of Wastewater Collection	10
Tab	le 6:	Transitio	n of Permits	24
Tab	le 7:	Types ar	nd Formats of Information	27
Iab	le 8:	Performa	ance Standards for the Water System	38
Tab	ie 9: ie 10:	Prevent	ance Standards for the Wastewater Systemtive and Predictive Maintenance (PM/PDM)	45
Tab	le 11:	Corix C	ertification and Training Requirements as Part of Employee Job Des	48 cription56
		_	The state of the s	J. 171101100



OPERATIONS AND MAINTENANCE PLAN

1 WATER & WASTEWATER OPERATIONS & MAINTENANCE PLAN

Corix will maintain or increase system performance and ensure the provision of reliable, cost effective, and compliant services over the term of the contract. Our approach includes strategies that guarantee a significant increase in value of services provided.

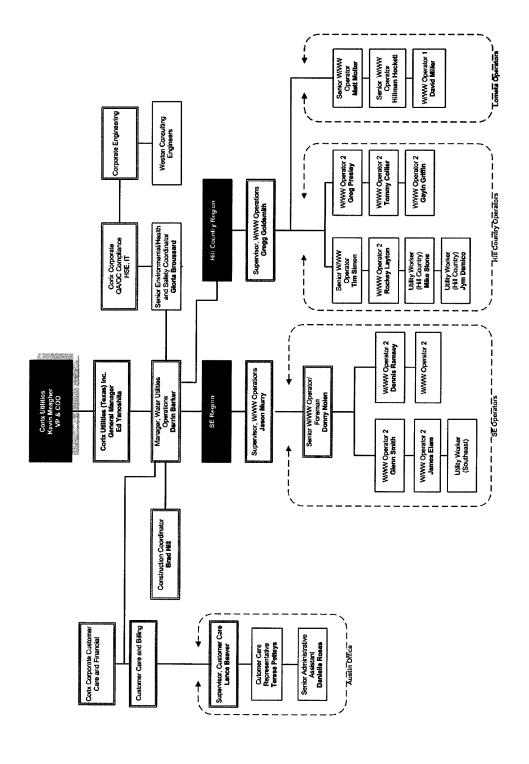
1.1 STAFFING PLAN THAT OPTIMIZES CROSS TRAINING AND CERTIFICATION

Corix owns and operates both regulated and non-regulated utilities using a cost of service tariff approach. Corix has the skill sets to operate the water treatment and distribution, wastewater treatment and collection systems in Central Texas.

The multi-utility operations will have employees located permanently up and down the Colorado River Basin so that they are available to respond and support the O&M of the utility systems with many cross trained so as to have capacity to provide services on all of the systems. Corix may have supplemental on-site labor through contractors working under the direction of the Manager of Water Utilities Operations.

Operating and Quality Management Plans Corix Utilities (Texas) Inc.

Figure 1: Corix Utilities Staffing Organization Chart





Operating and Quality Management Plans Conx Utilities (Texas) Inc.



1.2 PROCESS OPTIMIZATION OVERVIEW

Corix's primary process control objective is to consistently meet or exceed current standards for quality imposed by Federal and State regulatory agencies. We will meet this objective by using the following established process control strategies:

- Process Control Strategy All process control strategies will be in written format.
 Monitoring, control parameters, and target values will be established for each process and each utility system will be electronically recorded.
- Process Data Management All data will be maintained electronically.
- Maintenance Management As part of the system inventory, Corix will develop a Master Equipment List (Asset List) and maintain it within the MIS. Problems and trends that cause failures can be tracked and responded to accordingly.
- Information Information will be collected, this data can be used to develop measurement tools such as Key Performance Indicators (KPI's) to determine the effectiveness of the process.

Corix will optimize utility processes by developing an operating plan for each utility which will include:

- Standard Operating Procedures (SOPs)
- Trend Charts for Process Control

To ensure efficient operation of the water and wastewater systems and compliance with regulatory requirements, Corix has established process optimization goals for the LCRA facilities. Table 1 presents these goals.

Table 1: Process Optimization Actions

FUNCTION	IMPROVEMENT ACTION(S)
Compliance	Comply with all federal, state, and local water quality requirements: 100% compliance, 100% of the time.
Reliability and Redundancy	Ensure redundancy of critical processes and reliability of all electromechanical equipment by implementing comprehensive predictive and process maintenance programs.
Chemical	Develop Chemical Management Plan to track and optimize treatment chemical usage. Implement necessary safety improvements and complete a Process Safety Plan.
Energy	Reduce pumping and process energy demand by tracking usage and optimizing pump/motor efficiencies and hydraulic profile especially at water pump stations and lift stations. Use variable speed drive equipment where possible to reduce electrical usage.
	Develop measurement system to identify overloaded components and insulators breaking down and replacement plans to reduce system losses through these replacements.
O&M Cost	Reduce O&M cost through best management practices of labor and



FUNCTION	IMPROVEMENT ACTION(S)
	resources.
Staffing	Train and utilize qualified existing staff for available positions to the full benefit of the utilities.
	Cross-train staff for multiple functions.
Conservation	Strive for less than 10% unaccounted for water (UAW).
	Strive for less than 15% wastewater inflow & Infiltration (I&I)

1.3 STANDARD OPERATING PROCEDURES

These SOPs will be based on operating the utility at an optimum performance level, and therefore cannot be fully developed in advance. To the extent that there are existing SOPs, these will serve as the starting point for Corix's review and establishment of appropriate SOPs Typically, the O&M Manual is developed at three levels — the individual component level, the systems level, and the utility level. The component-level data, which is provided by manufacturers and equipment vendors, will be assembled and organized in a consistent, indexed format for easy reference. Upon reviewing this information on equipment and systems and developing a basic understanding of their operation — as well as studying the LCRA facility designs—our operations specialists will extract pertinent data developed by the various disciplines (e.g. operating limits, warnings, notes) and integrate them into an overall, systemwide and utility-wide O&M Manual.

The purpose of the O&M Manual is to consolidate data on the background, principles, and purpose of each process in the facilities and utility. The manual will provide the staff with a clear understanding of the utility facilities goals and process objectives, and will serve as a single reference for locating all the information and approaches necessary to successfully operate the utilities.

For the management team, the O&M Manual will provide a single document to record and list the process goals, objectives, and basic operating parameters for each facility process.

The facility's O&M Manual includes SOPs, which will be updated annually if necessary or whenever the process or equipment is modified or changed. We will retain the SOPs electronically within our secure data center to provide ready access for reference, field use, and updating.

SOPs are the backbone of any facility operation strategy. Operators create process SOPs to explain the operations of an entire process. Equipment SOPs detail the operation of a single piece of equipment, such as a pump. Whether the SOP is for a process or for a piece of equipment, the SOP is a basic guideline to be followed to ensure proper operation. SOPs are written in a form that reduces each step of the process or equipment operation to action words or phrases. A secondary use of SOPs includes training a new operator on the proper operation of the process or equipment. SOPs are not intended to replace well-organized and prepared training programs used for new operators.

SOPs include instructive guidelines for start-up, shutdown, and emergency operations. Each SOP includes safety notes, warnings, and cautions. For clarity and to facilitate comprehension, SOPs also include tables, diagrams, and drawings as appropriate. Corix will refine and expand current SOPs as needed for all aspects of the LCRA facilities.



SOPs provide operators with a quick reference to verify proper procedures. They will be placed in key areas to be easily accessible.

SOPs are useful in training new operators to operate specific pieces of equipment or perform testing procedures and in reminding operators of the specific procedures to follow before they start a task that they may not have performed recently.

Table 2: Dependability and Operation & Maintenance of WTS & WDS Utilities

WATER TREATMENT AND DISTRIBUTION SYSTEM (WTS & WDS) STANDARD OPERATING PROCEDURES

- 1. Water operators inspect critical equipment and facilities on a recurring basis.
- 2. Routine monitoring of water system pressures to immediately detect any pressure drops that would indicate a distribution system leak.
- 3. Operate all water treatment filters, chemical systems and related equipment according to the operating plan.
- 4. Routine monitoring of chlorine residuals in the system.
- 5. Routine flushing of hydrants ensures proper functioning of valves and adequate flows.
- 6. Periodic exercising of all valves in the water distribution system.
- 7. Continuous monitoring of pump operating conditions. Pumps that exhibit over-heating, seal failures or leakage or high vibrations are pulled off line and repaired or replaced.
- 8. Circulating pumps are regularly serviced and inspected.
- 9. Water meters are used to monitor water usage and loss in the utility systems.
- 10. Water systems maintained by Corix will strive to have built in redundancy.
- 11. Use of MIS to record routine maintenance and testing in accordance with the published maintenance program.
- 12. An inventory of water related repair parts is maintained allowing timely response to problem situations.
- 13. Maintain vendor accounts with parts suppliers both statewide and regionally.
- 14. All water distribution operators are licensed by the Texas Commission on Environmental Quality (TCEQ) and part of their continuing licensing is obtaining continuing education credits.
- 15. Corix may use subcontractors in Texas as augmentation of the workforce when needed.

Table 3: Dependability and Operation & Maintenance of WWTS & WWCS Utilities

WASTEWATER TREATMENT AND COLLECTIONS SYSTEM (WWTS & WWCS) STANDARD OPERATING PROCEDURES

- 1. Wastewater operators inspect critical equipment and facilities on a recurring basis.
- 2. Routine monitoring of wastewater system pressures where force mains are used to immediately detect any backups that would indicate a collection system capacity issue or blockage within the sewer.



WASTEWATER TREATMENT AND COLLECTIONS SYSTEM (WWTS & WWCS) STANDARD OPERATING PROCEDURES

- 3. Operate the treatment plants, residual handling facilities and related equipment according to the operating plan
- 4. Periodic exercising of all valves in the wastewater collection system.
- 5. Continuous monitoring of treatment and lift station pumps operating conditions.

 Treatment and lift station pumps that exhibit over-heating, seal failures or leakage or high vibration are pulled off line and repaired.
- 6. Use SCADA, hour meters and data loggers to monitor the efficiency of treatment and lift station pumps and related equipment.
- 7. Inflow and infiltration studies will be used to monitor water inflow into the wastewater treatment plants and collection system.
- 8. Use of MIS to record routine maintenance and testing in accordance with the published maintenance program.
- 9. An inventory of wastewater related repair parts is maintained allowing timely response to problem situations.
- 10. Maintain vendor accounts with parts suppliers both statewide and regionally.
- 11. All wastewater treatment and collection system operators are licensed by the TCEQ and part of their continuing licensing is obtaining continuing education credits.
- 12. Corix may use subcontractors in Texas as augmentation of the workforce when needed.

1.4 TREND CHARTS FOR PROCESS CONTROL

Trend charts will be prepared which will allow operators to follow the trends in these parameters and anticipate what is happening in the unit process. This allows operators to be proactive to operational problems rather than reactive when the process is in trouble. Corix staff will develop trend charts for all relevant operational parameters. Typical trend chart parameters include power consumption, raw water quality, treated water quality, plant loading, and chemical usage. Control limits will be established with identified links to the related SOP.

1.5 NEW METER INSTALLATIONS AND REPLACEMENTS

Corix will install new meters as requests for new service are processed and payment for service received.

The new meters will be installed in accordance with AWWA standards. However, meters will be continually added or removed from the system as needed. Corix will work with the LCRA to optimize the meter reading system as well as use that information to enhance conservation efforts.

1.6 COMPREHENSIVE MANAGEMENT INFORMATION SYSTEM (MIS)

Corix proposes to use a computer software system to maximize quality of the O&M of the LCRA utilities.



Our goals for implementation of the MIS work order program include:

- Install a full-featured MIS that is easy to use
- Maintain the integrity of the existing equipment data for future use
- Integrate with other plant functions such as operations, inventory, laboratory and administration
- Enable access to plant operations and MIS data

As part of this implementation, we will gather any additional information which will be necessary in order to achieve maximum system benefit. The MIS will have the capability, at a minimum, of:

- Maintaining repair records for each piece of Master Equipment List (MEL) equipment within the utility
- Scheduling and monitoring Preventive Maintenance (PM) activities
- · Issuing work orders and purchase order requisitions
- Maintaining spare parts inventories
- Tracking repair warrantees
- Issuing exception reports, equipment status reports, and equipment repair priority reports

The MIS will provide concise, easy-to-read equipment reports that provide specific information based on manufacturer, type, location, or operating system and subsystem. This information can include life cycle costs, maintenance frequencies and histories, and status reports on all maintenance functions. Reports can focus on issues such as job completion, work order status, and manpower utilization.

The operation and maintenance staff will be responsible for obtaining the following kinds of data for entry in the MIS:

- All existing nameplate data and other pertinent information such as in-service date, and equipment specifications for each piece of equipment
- Equipment identification number, equipment description (name), and location.

The MIS will be maintained through the corporate Information Technology (IT) office. The database will be populated during the O&M phase of the project as part of the system-wide surveys and assessments and will continue until all major elements of the utilities are incorporated once the users are trained on the program. The database will be continuously updated.

1.7 WATER TREATMENT AND DISTRIBUTION SYSTEM OPERATIONS

Corix provides operations, maintenance, and management for all components of the water treatment and distribution systems including chlorine dosing systems, pumps, valves, existing and future meters, control systems, air release valves, fire hydrants, cathodic protection systems, and all piping. Corix has responsibility for the system, up to the point of demarcation Corix will maintain volume and pressure in the system to meet required codes.

The first step to developing a strategy to operate the water facilities will be to evaluate the current status of operations. Benefits of our strategy are highlighted in Table 4. Maintenance needs will be catalogued and prioritized at all facilities according to the following requirements:



- A. Maintaining required water quality
- B. Maintaining service to LCRA customers
- C. Cost

Table 4: Operational & Maintenance Strategy for Water Treatment and Distribution System

OPERATIONAL CONDITIONS	CORIX	BENEFITS
Operator Quality Assurance/Quality Control (QA/QC)	Perform distribution system testing. Perform lab functions at the treatment facilities. Focused QA/QC targets; targeted to process optimization and regulatory scrutiny.	Lower operating costs and complete adherence to regulatory requirements imposed by Federal and State agencies.
Preventive Maintenance (PM) Scheduling	Condition-based scheduling of PM tasks.	Lower life-cycle equipment costs; increased reliability of water system.
Predictive Maintenance (PDM)	Use predictive maintenance schedule to preclude unplanned failure of critical equipment	Establish baseline equipment condition and set up proper PM.
Inventory Management	Automated order point and expense analysis.	Lower inventory costs; increased reliability of critical systems.
Water Balance Calculation	Conduct annual water balance for the water distribution system.	Assess water loss and identify sources.
Remote Monitoring	Evaluate existing monitoring system Evaluate remote terminal unit at critical locations.	Optimize operations and detect problems proactively

Corix will staff the water treatment and distribution systems 5 days a week. Additionally these employees will be available for emergency call out 24/7. As part of our standard approach to water distribution system maintenance, we will:

- Respond to trouble calls 24/7 to investigate distributions.
- Track the locations of service calls and high-maintenance areas to prioritize repair and PM activities on the systems.

1.8 WASTEWATER TREATMENT AND COLLECTION OPERATIONS

Corix will be operating and maintaining the wastewater treatment and collection systems. The Manager, Utility Operations will guide the efforts of the staff. Corix will apply the operational strategies shown in Table 5. The wastewater operations plan will emphasize:

• Implementation of proven, documented systems for process control and optimization. Documentation of strategies and procedures.



- Electrical conservation to ensure cost effective operation in compliance with standards and regulations.
- Optimization of existing processes to ensure compliance in the short term.
- Working with engineers and construction contractors to commission new equipment and transition to new processes.

Table 5: Operational & Maintenance Strategies of Wastewater Collection

OPERATIONAL CONDITIONS	CORIX	BENEFITS
Operator Quality Assurance/Quality Control (QA/QC)	Perform lab functions at treatment plants. Focused QA/QC targets; targeted to process optimization and regulatory scrutiny.	Lower operating costs, and complete adherence to regulatory requirements imposed by Federal and State agencies.
Preventive Maintenance (PM) Scheduling	Condition-based scheduling of PM tasks.	Lower life-cycle equipment costs; increased reliability of wastewater collection systems
Predictive Maintenance (PDM)	Pump hour meter monitoring. Use PDM schedule to preclude unplanned failure of critical equipment.	Establish baseline equipment condition and set up proper PM.
Inventory Management	Automated order point and expense analysis.	Lower inventory costs; increased reliability of critical systems.
I/I Investigation	Identify trouble areas in the collection system in need of immediate attention as well as sources of likely infiltration.	Periodically assess collection system integrity, and mitigate stoppages as well as infiltration of the system.
Remote Monitoring	Evaluate existing monitoring system.	Optimize operations and detect problems proactively.

As part of our standard approach to wastewater treatment and collection system maintenance, we will:

- Respond to trouble calls 24/7 to investigate and clear blockages and plant alarms.
- Investigate all sewer main backups and take the necessary steps to alleviate the problem.
- Track the locations of service calls and high-maintenance areas to prioritize repair and PM activities on the systems.
- Temporary connections, if required, will be provided in a safe manner in the most timely and most cost effective manner as determined by the operator.

2 PREVENTIVE MAINTENANCE

Corix's maintenance program has the following objectives:



- Maintain the facilities and systems to the highest standard of care to protect against deterioration.
- Maintain equipment and appurtenances in a manner that maximizes operational life and endeavor to prevent unexpected repairs due to untimely failure.
- Provide timely and cost-effective response to both typical and emergency conditions.
- Ensure system performance through equipment reliability, uninterrupted service, and maximum uptime.
- Protect capital investments.
- Ensure the safety of personnel and equipment.
- Enforce equipment warranties.
- Control overall maintenance costs by reducing corrective and emergency/reactive maintenance costs.
- Corix will utilize the MIS to monitor the condition of the facilities and schedule routine
 inspections, maintenance, and repairs. The MIS will allow us to track performance,
 service history, and repair costs. The data generated will be used to evaluate the need
 to replace or rehabilitate any portion of the system.

The maintenance strategy for equipment will be based on three levels of maintenance:

- Preventive Maintenance (PM) is defined as routine and/or repetitive activities required
 or recommended by the equipment or facility manufacturer or Corix to maximize the
 service life and reliability of the system components. Proper PM is the all-important first
 line of defense against deterioration and failure.
- Corrective Maintenance (CM) encompasses activities required for operational continuity, safety, and performance. The status of CM work orders will be maintained in the MIS and work will be scheduled to the extent possible with groups of equipment to save time and reduce labor requirements. Upon completion of Corix's maintenance evaluation, critical spare parts will be stocked onsite or at a Corix operations warehouse to ensure that downtime is minimal. Each type of maintenance will be scheduled and its completion monitored using the MIS.
- Predictive Maintenance (PDM) virtually eliminates unexpected equipment failure because of normal wear. PDM activities will range from simple, periodic inspections to sophisticated condition measurements. The baseline condition for each critical piece of equipment will be identified and the equipment will be monitored against selected critical performance criteria.

The following outlines the basic components of Corix's maintenance approach. It provides an overview of our plan for maintenance as well as the implementation of the MIS.

2.1 PREVENTIVE MAINTENANCE PLAN (PM)

Corix's approach to minor (routine) maintenance focuses on PM. Proper PM decreases the total lifecycle cost of equipment or facilities. The lifecycle cost of equipment and facilities that have been properly maintained is a fraction of that which has been poorly maintained.

Corix will create a Master Equipment List (MEL). All equipment identified in the MEL will be assigned a unique asset number and location code and entered into the MIS. Once this is completed, the detailed nameplate data will be entered for each asset. We will then enter PM tasks and frequencies.



Specific tasks, frequencies and PM procedures will be based on the manufacturer's O&M manual, and standards developed by Corix.

Each PM task will be assigned an identification number that will be unique to the task being performed. This unique PM task will describe the procedure needed, tools required, materials needed, and all safety requirements.

Each individual PM task will contain the date of the last revision, drawing reference numbers, O&M manual number, and location as well as any other documents that relate to the operation or maintenance of the equipment requiring maintenance.

2.2 CORRECTIVE MAINTENANCE PLAN (CM)

CM is defined as those non-repetitive activities necessary to correct a malfunction or replace a failing component of the facilities for operational continuity, safety, and performance. Planned CM is the result of proactive PM and PDM processes that identify the equipment's needs before a failure occurs. There are many reasons why planned CM is preferred to unplanned. For example, it provides:

- Increased process reliance due to decreased critical equipment failure.
- · Reduced manpower costs due to improved job planning and scheduling.
- Reduced overall repair costs due to proactive repairs of minor issues before they cause more equipment damage.
- Reduced capital improvement costs due to increased equipment life spans.

2.3 PREDICTIVE MAINTENANCE PLAN (PDM)

Corix proposes to provide a level of PDM services that can considerably reduce unexpected equipment failure due to normal "wear and tear" or improper repair. The benefits of PDM include:

- Increased process reliability due to decreased equipment failure.
- Improved job planning and scheduling.
- · Reduced overall repair costs.
- Reduced capital improvement costs.

Corix will establish a baseline condition for each critical piece of equipment identified, and periodically monitor the equipment for critical performance criteria. The information provided on the following pages defines these elements in detail.

As described, we will perform the initial evaluation to establish equipment condition and provide specific, detailed recommendations for any remedial repair needed. Monitoring will be performed, with additional performance criteria added, and at a frequency that will be dictated by the condition of equipment as monitoring occurs. In every case, this approach will improve the predictability of equipment performance and quality of service.

2.4 INITIAL EQUIPMENT CONDITION EVALUATION

The equipment condition evaluation will establish a baseline for PDM service. It will define what actions need to be taken immediately to avoid immediate and expensive failure, as well as



prescribe when monitoring levels must be adjusted to protect equipment. The results will be entered into the MIS for tracking and modeling.

To provide a continual baseline for all pieces of equipment at the plants, special inspections will be conducted similar to the initial evaluations performed. These follow-up inspections are recommended whenever a new piece of equipment is installed or when existing equipment is overhauled. This policy has the advantage of identifying equipment or facility repair problems early in the warranty periods. Alignment inspection may be provided for the initial evaluation as a method to pinpoint vibration or cause of premature bearing/seal failure.

All data, measurements, remarks, and conditions for each piece of equipment will be entered into the MIS as field data or text (as appropriate). Equipment needing repairs will automatically be assigned a work order with the appropriate priority level.

Run time meters can be installed and monitored in order to generate more precise data on equipment operation between monitoring periods. Data can be collected on run time and compared with readings on equipment; this information can also be useful in PM programs.

2.5 THE ASSET GUARDIAN (CMMS)

Corix has a wealth of experience with Asset Management and preventive maintenance solutions, including recent experience with projects such as the US Army, Fairbanks Sewer & Water and the University of Oklahoma. One of our strong "learnings" with starting to manage existing facilities is that to successfully achieve operational efficiencies requires close cooperation and a team approach with the existing operational professionals and the owner's design team combined with the expertise and knowledge of the Corix professionals.

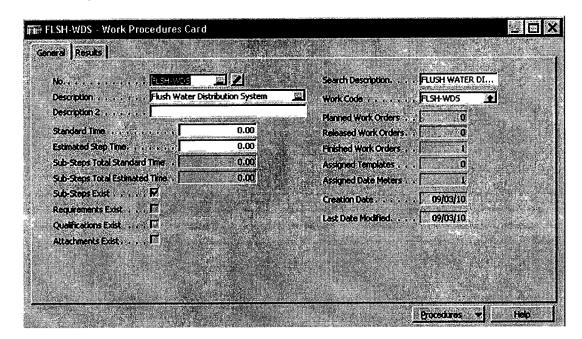
This 'transition' project team then leverages all the available data and information as well as reviewing and auditing the processes. This is done to determine where opportunities may be achieved through changes to operational activities, upgrades to systems with capital investments or added technology.

On the Alaska project, Corix reviewed the operational efficiency of each utility and found that the lack of investment in things like basic SCADA technology resulted in poor operational efficiency. At the wastewater treatment plant, operators needed to manually undertake operations in the primary sludge treatment area, which would normally have been automated. Our business plan entails the systematic upgrade to system control and data acquisition functions to both improve overall efficiency, but also to improve employee safety and quality on job.

Corix utilizes a Microsoft-based software business solution tool for our Computerized Maintenance Management Software (CMMS) called Dynamics NAV. Our CMMS software, "The Asset Guardian" (TAG), an add-on module for Dynamics NAV, is ideal for managing assets that require scheduled maintenance, unscheduled repairs and inspection as part of a facilities life cycle. TAG can also be utilized for key personnel to manage technicians and customized on a day to day basis with required work orders. The following figures show typical screen captures of the TAG system.



Figure 2: TAG Work Procedures Card incl. Validation Results Card



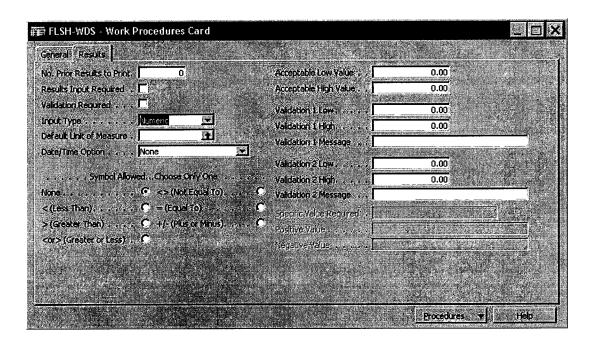




Figure 3: TAG Typical Supervisor Menu

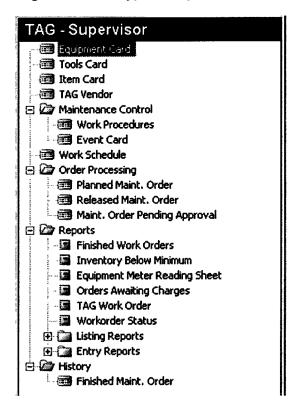




Figure 4: TAG Typical Administrator Menu

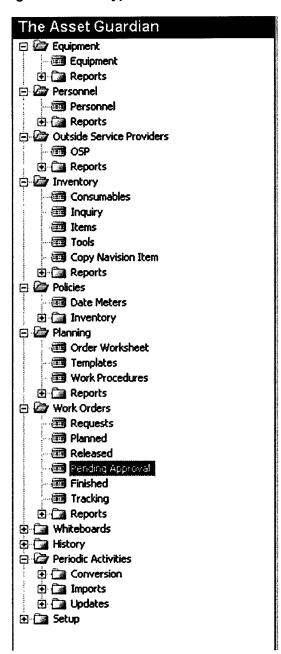
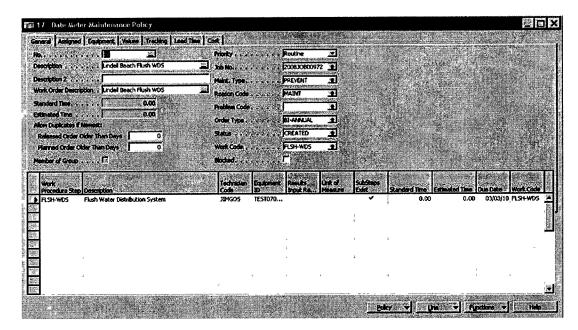
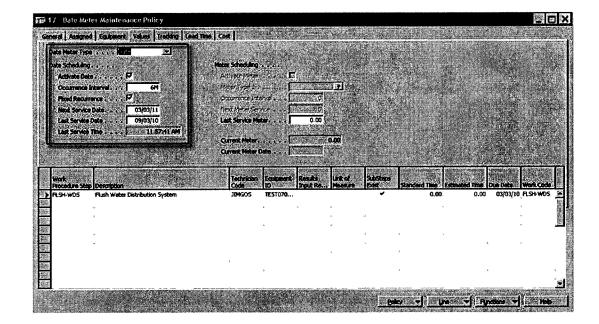




Figure 5: TAG Date Meter Maintenance Policy Card







| West Codes | State | Fig. | State |

Figure 6: TAG Technician Whiteboard

Figure 7: TAG Released Work Order

