#### General Inspection Procedures Kentucky American Water December 20, 2017

Kentucky American Water follows inspection procedures that are in compliance with the required inspections in 807 KAR 5:006, Section 26(6) and conform with American Water policies and practices as may be revised from time to time. Sample Inspection forms are attached to this document and may be revised as appropriate. Records indicating the inspections are completed will be retained by the appropriate operational department, available for review at any time. The following inspections are included:

Item	Description	KAW Inspection	Minimum Required
1	Meters – new	Prior to installation	Prior to installation
		from vendor	
2	Meters and meter settings – ongoing	Monthly using AMR	Deviation granted in
		data	Case No. 2016-00394
		As needed based on	from annual to
		AMR data readings	monthly using AMR
			data
3	Master Meters	Monthly using AMR	Deviation granted in
		data	Case No. 2016-00394
		Field tested based on	from annual to
		testing requirements	monthly using AMR
		from 807 KAR 5:066	data
4	Tanks (includes distribution system	Monthly	Annually
	elevated tanks, ground storage tanks,		
	above ground clearwells and all pumps,		
	motors, electrical power wiring and		
	controls, vaults and buildings located at		
-	the tank site) – site inspection	Daviadia thind nauto	
5	Tanks – structural/coating inspection	Periodic – third party	A
Ь	Treatment Plants – (currently Richmond	Monthly – treatment	Annually
	Road Station, Kentucky River Station 1	plant operator	
	and Kentucky River Station 2 and any future treatment plants) – includes all	Quarterly – Management Team	
	equipment, buildings, sedimentation	Wanagement ream	
	basins, filters, clearwells, chemical feed		
	equipment, electrical power wiring and		
	controls, pumping equipment, water		
	storage, intakes and travelling screens		
7	Buildings - other than at treatment plant	Annually	Annually
,	or tank sites	, and daily	, anidany
8	Safety equipment including AED and fire	Monthly	
	extinguishers	,	
	U	l .	

9	Pumping Equipment – raw water and finished water	Monthly	Semi annually
10	Backup power generators	Monthly – internal Quarterly – third party inspection and testing	Semi annually
11	Water treatment laboratories – (currently Richmond Road Station, Kentucky River Station 1, and Kentucky River Station 2 and any future laboratories)	Monthly	
12	Fire Hydrants and 6" hydrant valve	Annually (inspection records electronically)	Annually
13	Distribution System Valves – 30" and larger, critical treatment plant valves	Annually (inspection records electronically)	Annually
14	Distribution System Valves – 16" to 24"	Every 2 years (inspection records electronically)	Deviation granted in Case No. 2016-00394 from annual to every 2 years
15	Distribution Valves 12" and smaller other than hydrant valves	Every 5 years (inspection records electronically)	Deviation granted in Case No. 2016-00394 from annual to every 5 years
16	Jacobson Reservoir Dam – seepage inspection Site Inspection High Hazard Structural Inspection with Department of Natural Resources Dam Inspection personnel	Monthly  Annually  Every 2 years	Annually for site inspection
17	Vehicles – DOT including construction equipment and vehicles	Daily	Monthly
18	Vehicles – Non-DOT	Daily before use	Monthly

Division/District: Inspectors:		Plant, Tank, Booster, or Pump Station/Facility Walk - Thru					
Inspectors:  Grounds Intake  Discharge Locations Facility Storage Areas Equipment and Chemical Areas Lab Areas EAP, RMP, RMP, Inspection Reports Other  Motors, Pumps and Equipment Shaft guarding Hearing Protection Signs Other  Chlorination and Chemical Areas  Edward Fan Operational Hearing Protection Signs Other  Chlorination and Chemical Areas  Edward Fan Operational Hearing Protection Signs Other  Chlorination and Chemical Areas  Edward Fan Operational Hearing Areas  Electrical Fire Safety  Electrical Fire Safety  Wiring Exposed  Wiring Exposed	Division/District:	Date: Time:					
Housekeeping	Facility:						
Housekeeping	Inspectors:						
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Insulation Mats  Extension Cords  Switchboards  Transformers  Fence/grounded							
Extension Cords Switchboards Transformers Fence/grounded							
Switchboards Transformers Fence/grounded							
Transformers Fence/grounded	Switchboards						
Fence/grounded							
Lockout/Tagout Posted	Fence/grounded						
	Lockout/Tagout Posted						

	Plant, Tank, Bo	ooster, or Pur	mp Station/Facilit	y Walk - Thru		
Division/District:	Date:		Time:			
Facility:		4	!			
Inspectors:						
Protective Gear						
Fire Extinguisher(s)						
Other						
	Walkways, Stair	rs, Platforms, Fl	loor Openings, Hatc	hes and Doors		
Clear of Obstruction		, ,	1 0 /			
Lighting						
Access Hatches						
Ladder: Cage, Climbing Rail						
Handrails/Guardrails						
Fall Protection						
Exits Marked						
Other						
		Se	curity			
Gates/Locks						
Fences						
		Recomm	nendation(s)			
		Person				
Number of Item	Item to be Addressed	Responsible	Original Due Date	New Due Date	Reason for Change	Completed

Remove from list next quarter





Nashville, TN Atlanta, GA 1515 J.P. Hennessey Dr. 1440 Lakes Parkway Suite 600 | 11910 Carrier Court La Vergne, TN 37086 Lawrenceville, GA 30043 Main Phone # (615) 244-0650 Main Phone # (770) 448-6687 Main Fax # (615) 244-0689 Main Fax # (770) 448-6535

Louisville, KY Louisville, KY 40299 Main Phone # (502) 267-0474 Main Fax # (502) 267-9166

Blountville, TN 1612 Highway 75 Blountville, TN 37617 Main Phone # (423) 279-0357 Main Fax # (423) 279-0846

Charlotte, NC 3101 Yorkmont Rd. Suite 100 Charlotte, NC 28208 Main Phone # (704) 588-1043

Main Fax # (704) 588-8373

Customer:		Location:		Date:
Contact:		Phone:		
Address:				Hours:
Eqpt. S/N:		Eqpt. M/N:		Eqpt. Spec:
Eng. S/N:				Eng. Spec:
_	oo: Major(M)		Other	
Type servic	<u>ce:</u> Major(M)_	Minor(m)	Other	
ſ	FUEL SYSTEMS CHECKS:	COOLING SYST	EMS CHECKS: CONT	ENGINE ELEC.SYSTEMS CHECKS:
	General inspection of all component	s [M/m]Change coolant	filter [M]	Check specific gravity [M/m]
	Change fuel filter elements [M]	Test antifreeze,	add inhibitor if needed[M]	Add distilled water [M/m]
	Check for water in main tank	Check belts [M/n	n]	Operation of float charger [M/m]
,	(DSL only)	Condition of fan	hub [M/m]	Battery voltage under load [M/m]
	Take fuel sample [M] (DSL only)	Operation of wat	er jacket [M/m]	Change spark plugs, points, and condenser [M]
	Check for water in day tank [M]	Operating water	temp. [M/m]	Change rotor,and cap if needed [M]
,	(DSL only)	Preform non-cor	tact temp. measurement [M/m]	GENERATOR CHECKS:
!	Drain fuel/water separator [m]	EXHAUST SYST	TEMS CHECKS:	Vacuum debris [M]
	(DSL only)	Condition of exh	aust system [m/m]	Check condition of bearing [M]
	Check level in main tank [M/m]	Condition of turb	ocharger [M/m]	Circuit breaker operation [M/m]
		Exhaust leaks [N	1/m]	Cond. of AC and DC
!	Fuel Level	Check exhaust r	ain shield [M/m]	Preform non-contact temp meas.
	Operation of day tank [M/m] (DSL or	·· —	acking [M/m] (DSL only)	TRANSFER SWITCH CHECKS:
	Check Fuel Pressure [M/m](Gas onl	y) <u>CONTROL SYS</u>	TEMS CHECKS:	Visual inspection of condition [M/m]
ļ	LUBRICATING SYSTEMS CHECKS	S: Oper. Of all gauç	ges and meters [M/m]	Vacuum debris [M/m]
	Change engine oil [M]	Clean control ca	binet [M/m]	Check lights [M/m]
	Change engine oil filter [M]	Oper.of all contro	ols [M/m]	Preform transfer test [M]
	Change governor oil filter [M]	Shutdown syster	m [M/m]	Visually inspect linkage for binding[M]
!	Engine oil pressure [M]	Indicator & pane	l lamps [M/m]	Preform non-contact temp meas [M/m]
	Engine oil level [M/m]	Check/adjust fre	quency [M/m]	GENERAL CHECKS:
	Check for oil leaks [Mm]	Check/adjust vol	tage [M/m]	Check for unusual cond.,vibration
	Oil analysis [M]		STEMS CHECKS:	deterioration, leakage, high temp, or
-	COOLING SYSTEMS CHECKS:	Air inlet restrictio		noise [M/m]
	Check water pump [M/m]	Check breather t	· ·	Visually inspect annunciator [M/m]
	Cooling system hoses [M/m]	Drain air box res		Run gen. in emg. or test [M/m]
	Check louvers [M/m]	Air system piping		Record all readings and present to
	Adeq. Fresh air to equip. [M/m]		type cleaner [M/m]	customer [M/m]
	Check radiator core [M/m]	Service oil bath a	• •	Verify control panel in automatic mode [M/m]
· · · · · · · · · · · · · · · · · · ·	Check radiator cap [M/m]		SYSTEMS CHECKS:	Verify all breakers are reset [M/m]
	Coolant level [M/m]	Condition of batt	• •	Notify customer of additional service
,	Check freeze point [M/m]	Clean batteries a	and cables [M/m]	work needed [M/m]

#### **Hydrant Inspections**: Creating

Hydrant	HLX-6265	
Location	LOCATED ON PRESCOTT LN APPROXIMATELY 186 S SCL STOCKTON WAY	
Date Inspected	12/18/2017 10:17 AM	
Inspection Type *	Select	
Full Flow	Select V	
GPM		
Minutes Flowed		
Static Pressure		
Residual/Free Chlorine		
Total Chlorine		
Hydrant Tag Status	Select	
Problem	Select	
Remarks		^
		W
SAP Error Code		
SAP Notification Number		
	Save Cancel	

## Valve Inspections: Creating

Inspection Data	
Valve	<u>VLX-6992</u>
Valve Location	LOCATED 1.08' E ECL WORSHAM CT FROM 41' N NCL VALLEY FARM DR
Date Inspected	12/18/2017 10:18 AM
Operated *	Select 🗸
Position Found	Select 🗸
Position Left	Select V
Open Direction	Right
Normal Position	Open
Number of Turns	20.5
Number of Turns Completed *	
Minimum Required Turns	5
Accept even if Min Req Turns not completed *	
SAP Error Code	
SAP Notification Number	
Remarks	
Kemana	
	~
	Save Cancel

	MONTHLY SAFETY INSPECTION WALKTHROUGH															
						Fa	cility Lo	cation:								
Date/Time	Inspector(s)	Answer que First Aid Cabinet, AED and/or Oxygen?	Exit lights	Emergency	Chemicals properly stored and labeled?	SDS up to date?	Area clean?	Any obvious hazards? (tripping, electrical, etc.)	Ergonomics checked? (workstation, desks, etc.)	Spill Kit complete?	Gas cylinders secure?	Overhead lightbulbs all lit?	Proper PPE available and in use?	Fume / Biohazard hoods clean?	Biohazard / Sharps waste containers < half full?	Comments

## **Kentucky American External Property Inspection Form**

Location:		Inspecto	r:	Date:	Time:
Inspection Area	Positive	Negative	N/A	No	tes
Access Road(s)					
Is Grass Cut					
Exterior Appearance					
Interior Appearance					
Fencing Condition					
Gate(s)					
Locks					
Signs					
Exterior Lights					
Tank(s) Structural Condition					
Tank(s) Paint Condition					
Overflow Air Gap(s)					
Tank(s) Ladder					
Ladder(s) Cage					
Tank(s) Platform					
Tank(s) Access Hatches					
Vault(s) Ladder					
Is Vault(s) Dry					
General Electrical Condition					

Tank(s) Paint Condition Overflow Air Gap(s) Tank(s) Ladder Ladder(s) Cage Tank(s) Platform Tank(s) Access Hatches Vault(s) Ladder Is Vault(s) Ladder Is Vault(s) Lory General Electrical Condition Emergency Lights Diesel Tank(s) & Piping Heater(s) Covers, Safety Issues First Aid Kit(s) Spill Kit(s) Inspect Eye Wash Station(s) Sign Eye Wash Station(s) Tag Inspect Fire Extinguisher(s) Sign Fire Extinguisher(s) Sign Fire Extinguisher(s) Sign Hoist(s) Sign Hoist(s) Sign Hoist(s) Sign Hoist(s) Sign Hoist(s) Tag Inspect Floits(s) Sign Hoist(s) Sign Hoist(s) Sign Hoist(s) Sign Hoist(s) Tag In Spate (s) Closed Additional Remarks:	Tank(s) Structural Condition			
Tank(s) Ladder Ladder(s) Cage Tank(s) Platform  Tank(s) Access Hatches  Vault(s) Ladder Is Vault(s) Dry  General Electrical Condition Emergency Lights Diesel Tank(s) & Piping Heater(s)  Covers, Safety Issues First Aid Kit(s) Spill Kit(s) Inspect Eye Wash Station(s) Sign Eye Wash Station(s) Tag Inspect Fire Extinguisher(s) Sign Fire Extinguisher(s) Sign Fire Extinguisher(s) Sign Hoist(s) Inspect Hoist(s) Sign Hoist(s) Tag Is Gate(s) Closed  Additional Remarks:	Tank(s) Paint Condition			
Ladder(s) Cage Tank(s) Platform  Tank(s) Access Hatches  Vault(s) Ladder Is Vault(s) Dry  General Electrical Condition Emergency Lights Diesel Tank(s) & Piping Heater(s)  Covers, Safety Issues First Aid Kit(s) Spill Kit(s) Inspect Eye Wash Station(s) Sign Eye Wash Station(s) Tag Inspect Fire Extinguisher(s) Sign Fire Extinguisher(s) Sign Fire Extinguisher(s) Sign Fire Extinguisher(s) Sign Hoist(s) Tag Is Gate(s) Closed  Additional Remarks:	Overflow Air Gap(s)			
Tank(s) Platform Tank(s) Access Hatches Vault(s) Ladder Is Vault(s) Dry General Electrical Condition Emergency Lights Diesel Tank(s) & Piping Heater(s) Covers, Safety Issues First Aid Kit(s) Spill Kit(s) Inspect Eye Wash Station(s) Tag Inspect Fire Extinguisher(s) Tag Exhaust Fan(s) Inspect Hoist(s) Sign Hoist(s) Tag Is Gate(s) Closed  Additional Remarks:	Tank(s) Ladder			
Tank(s) Access Hatches  Vault(s) Ladder  Is Vault(s) Dry  General Electrical Condition  Emergency Lights  Diesel Tank(s) &Piping  Heater(s)  Covers, Safety Issues  First Aid Kit(s)  Spill Kit(s)  Inspect Eye Wash Station(s)  Sign Eye Wash Station(s) Tag  Inspect Fire Extinguisher(s)  Sign Fire Extinguisher(s) Tag  Exhaust Fan(s)  Inspect Hoist(s)  Sign Hoist(s) Tag  Is Gate(s) Closed  Additional Remarks:				
Vault(s) Ladder Is Vault(s) Dry  General Electrical Condition  Emergency Lights  Diesel Tank(s) & Piping  Heater(s)  Covers, Safety Issues  First Aid Kit(s)  Spill Kit(s)  Inspect Eye Wash Station(s) Tag  Inspect Fire Extinguisher(s)  Sign Fire Extinguisher(s)  Sign Fire Extinguisher(s) Tag  Exhaust Fan(s)  Inspect Hoist(s)  Sign Hoist(s) Tag  Is Gate(s) Closed  Additional Remarks:				
Is Vault(s) Dry  General Electrical Condition  Emergency Lights  Diesel Tank(s) &Piping  Heater(s)  Covers, Safety Issues  First Aid Kit(s)  Spill Kit(s)  Inspect Eye Wash Station(s) Sign Eye Wash Station(s) Tag Inspect Fire Extinguisher(s) Sign Fire Extinguisher(s) Sign Fire Extinguisher(s) Sign Hoist(s) Tag  Exhaust Fan(s) Inspect Hoist(s) Sign Hoist(s) Tag Is Gate(s) Closed  Additional Remarks:				
General Electrical Condition  Emergency Lights  Diesel Tank(s) & Piping  Heater(s)  Covers, Safety Issues  First Aid Kit(s)  Spill Kit(s)  Inspect Eye Wash Station(s) Sign Eye Wash Station(s) Tag Inspect Fire Extinguisher(s) Sign Fire Extinguisher(s) Tag  Exhaust Fan(s) Inspect Hoist(s) Sign Hoist(s) Tag Is Gate(s) Closed  Additional Remarks:				
Emergency Lights  Diesel Tank(s) &Piping  Heater(s)  Covers, Safety Issues  First Aid Kit(s)  Spill Kit(s)  Inspect Eye Wash Station(s)  Sign Eye Wash Station(s) Tag  Inspect Fire Extinguisher(s)  Sign Fire Extinguisher(s)  Exhaust Fan(s)  Inspect Hoist(s)  Sign Hoist(s) Tag  Is Gate(s) Closed  Additional Remarks:				
Diesel Tank(s) & Piping  Heater(s)  Covers, Safety Issues  First Aid Kit(s)  Spill Kit(s)  Inspect Eye Wash Station(s)  Sign Eye Wash Station(s) Tag  Inspect Fire Extinguisher(s)  Sign Fire Extinguisher(s)  Sign Fire Extinguisher(s) Tag  Exhaust Fan(s)  Inspect Hoist(s)  Sign Hoist(s) Tag  Is Gate(s) Closed  Additional Remarks:	General Electrical Condition			
Heater(s)  Covers, Safety Issues  First Aid Kit(s)  Spill Kit(s)  Inspect Eye Wash Station(s)  Sign Eye Wash Station(s) Tag  Inspect Fire Extinguisher(s)  Sign Fire Extinguisher(s) Tag  Exhaust Fan(s)  Inspect Hoist(s)  Sign Hoist(s) Tag  Is Gate(s) Closed  Additional Remarks:	Emergency Lights			
Covers, Safety Issues First Aid Kit(s) Spill Kit(s) Inspect Eye Wash Station(s) Sign Eye Wash Station(s) Tag Inspect Fire Extinguisher(s) Sign Fire Extinguisher(s) Sign Fire Extinguisher(s) Tag Exhaust Fan(s) Inspect Hoist(s) Sign Hoist(s) Tag Is Gate(s) Closed  Additional Remarks:	Diesel Tank(s) & Piping			
First Aid Kit(s) Spill Kit(s) Inspect Eye Wash Station(s) Sign Eye Wash Station(s) Tag Inspect Fire Extinguisher(s) Sign Fire Extinguisher(s) Tag Exhaust Fan(s) Inspect Hoist(s) Sign Hoist(s) Tag Is Gate(s) Closed  Additional Remarks:	Heater(s)			
Spill Kit(s)  Inspect Eye Wash Station(s)  Sign Eye Wash Station(s) Tag  Inspect Fire Extinguisher(s)  Sign Fire Extinguisher(s) Tag  Exhaust Fan(s)  Inspect Hoist(s)  Sign Hoist(s) Tag  Is Gate(s) Closed  Additional Remarks:	Covers, Safety Issues			
Inspect Eye Wash Station(s) Sign Eye Wash Station(s) Tag Inspect Fire Extinguisher(s) Sign Fire Extinguisher(s) Tag Exhaust Fan(s) Inspect Hoist(s) Sign Hoist(s) Tag Is Gate(s) Closed  Additional Remarks:				
Sign Eye Wash Station(s) Tag  Inspect Fire Extinguisher(s)  Sign Fire Extinguisher(s) Tag  Exhaust Fan(s)  Inspect Hoist(s)  Sign Hoist(s) Tag  Is Gate(s) Closed  Additional Remarks:	Spill Kit(s)			
Inspect Fire Extinguisher(s)  Sign Fire Extinguisher(s) Tag  Exhaust Fan(s)  Inspect Hoist(s)  Sign Hoist(s) Tag  Is Gate(s) Closed  Additional Remarks:	Inspect Eye Wash Station(s)			
Sign Fire Extinguisher(s) Tag  Exhaust Fan(s)  Inspect Hoist(s)  Sign Hoist(s) Tag  Is Gate(s) Closed  Additional Remarks:	Sign Eye Wash Station(s) Tag			
Exhaust Fan(s)  Inspect Hoist(s)  Sign Hoist(s) Tag  Is Gate(s) Closed  Additional Remarks:	Inspect Fire Extinguisher(s)			
Inspect Hoist(s) Sign Hoist(s) Tag Is Gate(s) Closed  Additional Remarks:	Sign Fire Extinguisher(s) Tag			
Sign Hoist(s) Tag Is Gate(s) Closed  Additional Remarks:	Exhaust Fan(s)			
Is Gate(s) Closed  Additional Remarks:	Inspect Hoist(s)			
Additional Remarks:	Sign Hoist(s) Tag			
	Is Gate(s) Closed			
Any Safety Concerns?	Additional Remarks:			
	Any Safety Concerns?			

# DRIVER'S VEHICLE INSPECTION REPORT AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS

CARRIER:		
ADDRESS:		
DATE:	TIME:	A.M. P.M.
TRACTOR/ TRUCK NO.  Air Compressor  Air Lines  Battery  Belts and Hoses  Body  Brake Accessories  Brakes, Parking  Brakes, Service  Clutch	ODOMETER RE  Front Axle Fuel Tanks Horn Lights Head/Stop Tail/Dash Turn Indicators Clearance/Marker Mirrors	ADING
Coupling Devices Defroster/Heater Drive Line Engine Exhaust Fifth Wheel Fluid Levels Frame and Assembly  TRAILER(S) NO.(S)	☐ Muffler ☐ Oil Pressure ☐ Radiator ☐ Rear End ☐ Reflectors	☐ Tire Chains ☐ Tires ☐ Transmission ☐ Trip Recorder ☐ Wheels and Rims ☐ Windows ☐ Windshield Wipers ☐ Other
☐ Brake Connections ☐ Brakes ☐ Coupling Devices ☐ Coupling (King) Pin ☐ Doors	☐ Hitch ☐ Landing Gear ☐ Lights - All ☐ Reflectors/Reflective Tape ☐ Roof	Suspension System Tarpaulin Tires Wheels and Rims Other
Remarks:		
	OVE VEHICLE IS SATISFACTO	ORY
DRIVER'S SIGNATURE:		
☐ ABOVE DEFECTS CORRECTED☐ ☐ ABOVE DEFECTS NEED NOT BE	E CORRECTED FOR SAFE OPERATIO	DN OF VEHICLE
MECHANIC'S SIGNATURE:		DATE;
DRIVER'S SIGNATURE:	@ O	DATE:
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