Wilmar Estates

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Missouri State Route 92 & Highway A, Liberty, MO 64068
Owner- Central Rivers Wastewater Utility Inc., P. O. Box 528, Kearney, Mo 64060

MO-0124931
Effective date as of 02-27-2009
Must be revaluated 02-26-2014

Outfall #001--Subdivision-SIC # 6552

Septic Tank Effluent Pump (STEP) System/ recirculating sand filter/ sludge disposal by contract hauler

Receiving stream - Unamed tributary to Rock Creek
Design population equivalent is 296
Design flow 29,600 gallons per day
Actual flow is 15,540 gallons per day
Design sludge production is 8.3 dry tons/year
Actual sludge production is ???

Any documentation, illustration, verification ,or questions needing to be completed in the flowing report can be reviewed and produced by:
WET RPM
Robert Betts
660-351-1236
betts1213@gmail.com

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OPERATOR COMPLIANCE CHART

which includes but may not be limited to the following

	DAILY	BI-WEEKLY	WEEKLY	MONTHLY	QUARTERLY	SIMI-ANNUAL	ANNUALLY	PERMIT CYCLE
Influent or Effluent Flow	24 hr. estimate read water meters after install							
Effluent PH must be done on site	Grab (WET RPM recommends)				Grab within the first week of each quarter			
Effluent TEMP must be done on site	Grab (WET RPM recommends)				Grab within the first week of each quarter			
Effluent DO	Grab (WET RPM recommends)							
Effluent Ammonia				Grab (WET RPM recommends)	Grab within the first week of each quarter			
Effluent BOD					Grab - within the first week of each quarter			
Effluent TSS					Grab - within the first week of each quarter			
Influent PH must be done on site	Grab							
Influent Temp must be done on site	Grab (WET RPM recommends)							

	DAILY	BI-WEEKLY	WEEKLY	MONTHLY	QUARTERLY	SIMI-ANNUAL	ANNUALLY	permit cycle
Influent TSS					Grab within the first week of each quarter			
Influent BOD					Grab within the first week of each quarter			
Weather conditions and precipitation	Temp, Cloud Cover, Rain amount							
WET Test								Any month 2012, report due 1/28/2013
DMRs					Before 28 of the following month			
Septic Tanks					Clean filter in each tank	Sludge judge (WET RPM recommends)	Remove sludge	
Recirculating Tanks			pumps hour readings		Clean pump screens Clean filter		Remove sludge	
Sand filter					Flush distribution lines and under drain Remove vegetation			
Sludge report							Before January 28	
Ground keeping					Remove vegetation and maintain fence Mow grass to less than 6"			

	DAILY	BI-WEEKLY	WEEKLY	MONTHLY	MONTHLY	SIMI-ANNUAL	ANNUALLY	permit cycle
PH and DO meter					QA/QC both DO and PH meter			
SSO	Report any occurrence within 24 hours online							
Rate study and budget							Review and update	
Permit renewal								2/26/2014
Permit application								8/26/2013
Draft permit review and comments								3/26/2014
Revise operator compliance schedule								4/26/2014

Facility operators under this permit does require a licensed D operator.

Waste water treatment equipment and facility must be effectively operated and maintain by a competent person.

24 hr. Composit These sample should be taken with automatic composite sampler total sample taken should be 48 samples in 24 hrs.

Permitee is subject to standard conditions part I, III

Any discharge within the reporting period must be reported

If no discharge DMRs still need to be reported

Operator should notify permitee when sample are taken.

Permitee must follow all 10 CSR 20 regulations.

Effluent sample must be taken at outfall

Test procedures must follow standards methods

When taking samples the date, exact place, time, and individual taken sample must be recorded.

When analyses are being preformed the date, individual, analytical techniques and results must be reported on DMRs.

More than required monitoring can be preformed but must be reported on DMRs.

Any facility expansion or process modification requires a construction permit from DNR.

Any noncompliance which may endanger health or environment must be orally provided within 24 hour to DNR.
A written report must follow up within five days.
All other noncompliance must be reported in writing to DNR within five days.

When any substance is removed from the facility such as sludge, grit or screening,
the permitee must record and maintain the date, time, volume and disposal site.

Any bypass or SSO that occurs in the facility must be reported to DNR online or by phone within 24 hr. if by phone
A written report must follow up within five days.

All records must be retained at the facility for at least three years. All records must be available upon DNR request.

Civil and criminal liability fall on the permitee

Monitor any effluent introduced by major contributing industry

Issue pretreatment permit to any major contributing industry and give notice to DNR

Permitee is responsible for final disposal unless contract hauler has separate permit for sludge disposal,
or contract hauler transport sludge to another permitted facility.

Permitee must require and maintain documentation on contract hauler of disposal methods, permits and total solids contents.

All outfalls must be clearly marked in the field as outfall 001

Discharges will not cause violation of water quality standards rules of 10 CRS 20

Facility must have at least one sign on each side of facility.

Facility must provide O&M manuals to the operator.

All weather access roads to facility

The discharge from the system must be conveyed to the receiving stream by close pipe or open rip-rapped channel and maintained for easy sampling access.

Spare parts need to be on hand for any equipment that require routine maintenance and repairs.

All collection systems components need to have a inspection and repair program in place.

A rate study and budget needs to be completed and updated annually for the facility to be able to operate, maintain, and upgrade facility keeping the facility in compliance.