SUBSURFACE WASTEWATER INSPECTION FORM 4625489047

System Manager:	Date of Inspection	____ Initial ✓ 6 month ____ 12 month
TCW Wastewater Management, Inc.	5-1-2007	____ Follow-up ____ Service call ____ Other
P.O. Box 1830, Indian Trail, NC 28079	**County** / **System Type**	**Drainfield**
Tele. 704.821.8841	Iredell / PPBPS	✓ On-site ____ Off-site
Fx. 704.821.8892	Time: 12:10	Initials CL

Name and Address of Owner: Harbour sec. 2 Lot 39

Jeff Oden
116 Hunter Spring Ln.
Mooresville, NC 28117

Location of System / Drainfield (off-site)
116 WILDFIRE LANE

Lot # 12 Phase FH Subdivision HARBOUR

Compliance Status: ✓ Compliant ____ Non-Compliant ____ Malfunctioning
Copies: ✓ Homeowner ✓ DEH ____ Builder ____ Owner's Association ____ Developer

✓=Satisfactory M=Marginal X=Unsatisfactory N=Not Evaluated NA=Not Applicable

Septic Tank: size: 1000 gallons

Tank risers are accessible	✓	Buried ____	____"
There are no Infiltration problems	✓	Surface ____	Subsurface ____
Surface water is being diverted away	✓		
Tanks and accesses are structurally sound	✓		
Sanitary tee is in good condition	✓		
Inlet Tee is cleaned today	✓		
Effluent Filter was cleaned	No ____ Yes ✓		
Effluent Filter is in good condition	✓		
Effluent Filter is snapped in place	✓		
Water level is at proper level	✓		

Scum Level	Sludge Level
3"	6"
Scum plus Sludge level 9"	
Liquid Depth 53"	(> 30%)
Tank Needs Pumping: yes ____ No ✓	

Bacteria: N/A

Added at inspection	Left with homeowner
Pulp 6 pks	Pulp ____ pks
Regular 6 pks	Regular 0 pks
Bio-One ____	Bio-One ____

Effluent Dosing Station: size: 1000 gallons

Tank Riser is at proper height	✓		
No infiltration issues: Surface ____ Subsurface ____	✓		
Required pumps are present & operating properly	✓	Amp. Draw ____	
High water alarm is operating properly	✓		
Floats, pipes, valves, disconnects are in good condition	✓		
Pump float is not resting on top of pump	✓		
Control panel enclosure/components are in good condition	✓		
TCW sticker is placed on front door of Panel	✓		
Duct Seal is present in all conduit openings	✓		
Effluent appears clear and free of solids	✓		
Telemetry / Dialer is working properly	N/A		

Scum Level	Sludge Level
____"	5"
Tank Needs Pumping: yes ✓ No ____	

Filter Cleaned today No ✓ Yes ____
Filter is in good condition ____

Elapsed Time Readings:
Pump #1- C ____ - P ____ = Usage ____
Usage ____ - days ____ = Use Per Day ____
Pump #1- CC ____

Pressure Bell settings: Off 4", On 12"-15", Tele 16", Alarm 22"

Ground Absorption Fields:

There is no evidence of effluent surfacing	✓	Drop boxes used in lieu of Distribution box	No ____ Yes ✓
Vegetative cover is maintained properly	✓	Distribution box(es) in good condition	✓
Field Protected from traffic/destructive uses	✓	Distribution box(es) in proper adjustment	✓
Surface water is being diverted away	✓		
No low areas or settling occurring	✓		
Line cover (soil) is adequate	✓		
Repair area is properly reserved, maintained	✓		

Pressure Manifold System:

Manifold vault, valves, piping are in good condition	✓	Corrected Today	____
No evidence of leakage, blockage in discharge lines	✓	Corrected Today	____
The Pressure head is properly adjusted	✓	Corrected Today	____

Low Pressure Pipe System:

Turn-ups/cleanouts/valves are intact and accessible	✓	Corrected Today	____
Laterals are free of excess solids	✓	Jetting necessary	____
Laterals were flushed this inspection No ____ Yes	✓		
Zone valves are operating properly	✓	Corrected Today ____	Need replacing? yes ____ ____
Pressure head is properly adjusted	✓	Corrected Today ____	
Turn-up buckets are dry inside	✓		
Valve box or buckets are dry inside	✓		

revised 6/8/06

Pump Tank Size (Gallons): ~~1000~~ 1500 | Design Pump Delivery Rate ____ GPM Design Dose ____ Gallons

Level End Dose ____ - ____ Level Begin Dose = ____ Inches X ____ GPI = Current Dose ____ Gallons

Level (large #) 52 - 48 Level (small #) = 4 X 20 GPI = 80 ÷ 3 Min. Run Time = 26.6 GPM (CPDR)

Current GPM (CPDR) ____ ÷ ____ Design GPM (DPDR) = ____ X 100 = ____ % Efficiency

Valves	Lines	Design	Observe	Adjusted
		3'	5½	3'
1	1			
2	2			
3	3			
4	4	↓	↓	↓

Valves	Lines	Design	Observe	Adjusted

Recommendations to Owner:

- Flushed lines at pressure

Filter in BAD Angel Need To Be Fixed.

Bacteria has been added in attempt to reduce scum level in Septic. Refer to Do&Don't hints to see how you can help control the build-up. If "pulp" bacteria was added, this indicates there was a lot of paper product. Only 1-ply white toilet paper with no additives is recommended.

Thanks

Signature of "ORC" Terry B Thomas

Revised 6/8/06

SUBSURFACE WASTEWATER INSPECTION FORM

System Manager:
TCW Wastewater Management, Inc.
P.O. Box 1830, Indian Trail, NC 28079
Tele. 704.821.8841
Fx. 704.821.8892

Date of Inspection: 2-25-08
___ Initial ✓ 6 month ___ 12 month
___ Follow-up ___ Service call ___ Other

County	System Type	Drainfield
Iredell	PPBPS	✓ On-site ___ Off-site

Time: 11:39 Initials DC

Name and Address of Owner:
Jeff Oden
116 Hunter Spring Lane
Mooresville NC 28117

Location of System / Drainfield (off-site)
116 Wildiri's Ln
Lot # 13 Phase III Subdivision Harbor

Compliance Status: ✓ Compliant ___ Non-Compliant ___ Malfunctioning
Copies: ✓ Homeowner ✓ DEH ___ Builder ___ Owner's Association ___ Developer

✓=Satisfactory M=Marginal X=Unsatisfactory N=Not Evaluated NA=Not Applicable

Septic Tank: size: 1000 gallons

Tank risers are accessible	✓	Buried ___ ___"
No odors present	✓	
There are no Infiltration problems	✓	Surface ___ Subsurface ___
Surface water is being diverted away	✓	
Tanks and accesses are structurally sound	✓	
Sanitary tee is in good condition	NA	
Inlet Tee is cleaned today	NI	
Effluent Filter was cleaned No ___ Yes	✓	slight crud
Effluent Filter is in good condition	✓	
Effluent Filter is snapped in place	✓	
Water level is at proper level	✓	

Scum Level 6" Sludge Level 1"
Scum plus Sludge level 7" (SST)
SST 7"/ liquid Depth 53" x 100 = 13.2%
Tank Needs Pumping: yes ___ No ✓
< 30 % = No > 30 % = Yes

Bacteria:
Added at inspection: Pulp 6 pks; Regular ___ pks; Bio-One ___
Left with homeowner: Pulp ___ pks; Regular ___ pks; Bio-One ___

Effluent Dosing Station: size: 1000 gallons

Tank Riser is at proper height	✓
No odors present	✓
No infiltration issues: Surface ___ Subsurface ___	✓
Required pumps are present & operating properly	✓
High water alarm is operating properly	✓
Floats, pipes, valves, disconnects are in good condition	✓
Pump float is not resting on top of pump	✓
Control panel enclosure/components are in good condition	✓
TCW sticker is placed on front door of Panel	✓
Duct Seal is present in all conduit openings	✓
Effluent appears clear and free of solids	✓
Telemetry / Dialer is working properly	NT
Pressure Bell settings: Off 4", On 12"-15", Tele 16", Alarm 22"	

Amp. Draw ___

Scum Level 0" Sludge Level 0"
Tank Needs Pumping: yes ___ No ___
Filter Cleaned today No ___ Yes ___
Filter is in good condition ___

Elapsed Time Readings:
Pump #1- C ___ - P ___ = Usage ___ hrs
Usage ___ / days ___ = Use Per Day ___ hrs
Hrs ___ x 60 = ___ min. x GPM = ___ GPD
Average ___ Above average ___ Very high ___
Pump #1- CC ___

Ground Absorption Fields:

No odors present	✓
There is no evidence of effluent surfacing	✓
Vegetative cover is maintained properly	✓
Field Protected from traffic/destructive uses	✓
Surface water is being diverted away	✓
No low areas or settling occurring	✓
Line cover (soil) is adequate	✓
Repair area is properly reserved, maintained	✓

Drop boxes used in lieu of Distribution box: No ___ Yes ___
Distribution box(es) in good condition ___
Distribution box(es) in proper adjustment ___

Pressure Manifold System:

Manifold vault, valves, piping are in good condition	___	Corrected Today ___
No evidence of leakage, blockage in discharge lines	___	Corrected Today ___
The Pressure head is properly adjusted	___	Corrected Today ___

Low Pressure Pipe System:

Turn-ups/cleanouts/valves are intact and accessible	✓	Corrected Today ___
Laterals are free of excess solids	✓	Jetting necessary ___
Laterals were flushed this inspection No ✓ Yes ___	✓	
Zone valves are operating properly	✓	Corrected Today ___ Need replacing? yes ___ / ___
Pressure head is properly adjusted	✓	Corrected Today ✓ opened more
Turn-up buckets are dry inside	✓	
Valve box or buckets are dry inside	✓	

Pump Tank Size (Gallons): ✓ 1000 ____ 1500 | Design Pump Delivery Rate ____ GPM Design Dose ____ Gallons

Level End Dose ____ - ____ Level Begin Dose = ____ Inches X ____ GPI = Current Dose ____ Gallons

Level (large #) 49.75 - 46.75 Level (small #) = 3 X 20 GPI = 60 ÷ 5 Min. Run Time = 12 GPM (CPDR)

Current GPM (CPDR) ____ ÷ ____ Design GPM (DPDR) = ____ X 100 = ____ % Efficiency

Valves	Lines	Design	Observe	Adjusted	Valves	Lines	Design	Observe	Adjusted

Recommendations to Owner:

GPM low - re adjusted manifold Box - we will monitor.

Scum level is high But able TO Break up. Please try single ply Paper products - LOTS OF paper product In scum Layer could cause Premature pumping OF tank

added Bacteria TO help reduce Scum Layer but Paper product is main problem with high scum layer

all else looks good at this time

Bacteria has been added in attempt to reduce scum level in Septic. Refer to Do&Don't hints to see how you can help control the build-up. If "pulp" bacteria was added, this indicates there was a lot of paper product. Only 1-ply white toilet paper with no additives is recommended.

Thanks

Signature of "ORC"

Revised 6/24/07