# SUBSURFACE WASTEWATER INSPECTION FORM

System Manager:
**TCW Wastewater Management, Inc.**
P.O. Box 1830, Indian Trail, NC 28079
Tele. 704.283.2740
Fx. 704.283.2733

Date of Inspection: 7-16-10
___ Initial ✓ 6 month ___ 12 month
___ Follow-up ___ Service call ___ Other

| County | System Type | Drainfield |
|---|---|---|
| Iredell-Statesville | PPGs | ✓ On-site ___ Off-site |

Time: 11:30 Initials CL

Name and Address of Owner:
EFC Enterprises LLC
420 S. Main St.
Troutman NC 28166

Location of System / Drainfield (off-site)
576 Morrison Farm Rd
Lot # 22 Phase ___ Subdivision Sunset Bay

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: ___ gallons 1000 = 53" LL 1500 = 43" LL

- Tank risers are accessible
- No odors present
- There are no Infiltration problems
- Surface water is being diverted away
- Tanks and accesses are structurally sound
- Inlet pipe at proper angle
- Inlet tee is in good condition
- Inlet Tee is cleaned today
- Effluent Filter clogging percentage ___%
- Effluent Filter was cleaned No ___ Yes ___
- Effluent Filter is in good condition
- Effluent Filter Canister is in good condition
- Effluent Filter is snapped in place
- Effluent Pipe at proper angle
- Water level is at proper level

▶ Buried ✓ ___"
▶ Surface ___ Subsurface ___

Filter End of Tank: Scum Level ___" Sludge Level ___"

Inlet End of Tank: Scum Level ___" Sludge Level ___"
Scum plus Sludge level ___" (SST)
SST ___"/ liquid Depth ___" x 100 = ___%
**Tank Needs Pumping:** yes ___ No ___
< 30 % = No > 30 % = Yes

**Sample of total water depth**
Three distinct zones: good ___ medium ___ murky ___

**Bacteria:**

| | Added at inspection | Left with homeowner |
|---|---|---|
| Pulp | ___pks | ___pks |
| Regular | ___pks | ___pks |
| Bio-One | ___ | ___ |

## Effluent Dosing Station: size: 1000 gallons 1000=50"=20 GPI 1500=52"=28 GPI

- Tank Riser is at proper height ✓
- No odors present ✓
- No infiltration issues: Surface ___ Subsurface ___ ✓
- Required pumps are present & operating properly ✓ Amp. Draw ___
- High water alarm is operating properly N
- Floats, pipes, valves, disconnects are in good condition M
- Pump is installed on block or raised platform (min. 6 inches) ✓
- 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
- Pressure Bell settings: Off 4", On 10"-12", Tele 16", Alarm 22"

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

**Elapsed Time Readings:**
Pump #1- C ___ - P ___ = Usage ___hrs
Usage ___ / days ___ = Use Per Day ___hrs
Hrs ___ x 60 = ___min.x GPM = ___**GPD**
**Average** ___ (<275) **Above average** ___ (>275) **Very high** ___ (>350)
Pump #1- CC ___ - PC ___ = Useage ___

## 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 ✓
- Lines are not ponding or holding water ✓
- No low areas or settling occurring ✓
- Line cover (soil) is adequate ✓

Drop boxes used in lieu of Distribution box No ___ Yes ✓
Distribution box(es) in good condition ✓
Distribution box(es) in proper adjustment ✓
▶ If ponding is occuring, how much? ___"
Repair area is properly reserved, maintained ✓

## Pressure Manifold System:

- Manifold vault, valves, piping are in good condition ✓
- No evidence of leakage, blockage in discharge lines ✓
- No evidence of effluent backing up into box ✓
- The Pressure head is properly adjusted ✓

Corrected Today ___
Corrected Today ___
Corrected Today ___

## Low Pressure Pipe System:

- Turn-ups/cleanouts/valves are intact and accessible ✓
- Laterals are free of excess solids ✓
- Laterals were flushed this inspection No ___ Yes ✓
- Zone valves are operating properly ✓
- Pressure head is properly adjusted ✓
- Turn-up buckets are dry inside ✓
- Valve box or buckets are dry inside ✓

Corrected Today ___
Jetting necessary ___
Corrected Today ___ Need replacing? yes ___ / ___
Corrected Today ___

revised 6/27/09

# SUBSURFACE WASTEWATER INSPECTION FORM

System Manager:
**TCW Wastewater Management, Inc.**
P.O. Box 1830, Indian Trail, NC 28079
Tele. 704.283.2740
Fx. 704.283.2733

Date of Inspection: 3-1-11
___ Initial ___ 6 month ✓ 12 month
___ Follow-up ___ Service call ___ Other

| County | System Type | Drainfield |
|---|---|---|
| Iredell-Statesville | PPBC | ✓ On-site ___ Off-site |

Time: 1:35 Initials CL

Name and Address of Owner:
EFC Enterprises LLC
420 S. Main St.
Troutman NC 28166

Location of System / Drainfield (off-site)
576 Morrison Farm Rd
Lot # 22 Phase ___ Subdivision Sunset Bay

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: ___ gallons 1000 = 53" LL 1500 = 43" LL

- Tank risers are accessible
- No odors present
- There are no Infiltration problems
- Surface water is being diverted away
- Tanks and accesses are structurally sound
- Inlet pipe at proper angle
- Inlet tee is in good condition
- Inlet Tee is cleaned today
- Effluent Filter clogging percentage ___ %
- Effluent Filter was cleaned No ___ Yes ___
- Effluent Filter is in good condition
- Effluent Filter Canister is in good condition
- Effluent Filter is snapped in place
- Effluent Pipe at proper angle
- Water level is at proper level

▶ Buried ✓ ___"
▶ Surface ___ Subsurface ___

Filter End of Tank: Scum Level ___" Sludge Level ___"

Inlet End of Tank: Scum Level ___" Sludge Level ___"
Scum plus Sludge level ___" (SST)
SST ___"/ liquid Depth ___" x 100 = ___%
**Tank Needs Pumping:** yes ___ No ___
< 30 % = No > 30 % = Yes

**Sample of total water depth**
Three distinct zones: good ___ medium ___ murky ___

**Bacteria:**
Added at inspection: Pulp ___pks Regular ___pks Bio-One ___
Left with homeowner: Pulp ___pks Regular 0 pks Bio-One ___

## Effluent Dosing Station: size: 1000 gallons 1000=50"=20 GPI 1500=52"=28 GPI

- 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 is installed on block or raised platform (min. 6 inches) ✓
- 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 NA
- Pressure Bell settings: Off 4", On 10"-12", Tele 16", Alarm 22"

Amp. Draw ___ inside

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**___ **(<275) Above average**___**(>275) Very high**___**(>350)**
Pump #1- CC ___ - PC ___ = Useage ___

## 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 ✓
- Lines are not ponding or holding water ✓ ▶ See Rx
- No low areas or settling occurring X
- Line cover (soil) is adequate ✓

Drop boxes used in lieu of Distribution box No ___ Yes ✓
Distribution box(es) in good condition ✓
Distribution box(es) in proper adjustment ✓
If ponding is occuring, how much? ___"
Repair area is properly reserved, maintained ✓

## Pressure Manifold System:

- Manifold vault, valves, piping are in good condition ✓
- No evidence of leakage, blockage in discharge lines ✓
- No evidence of effluent backing up into box ✓
- The Pressure head is properly adjusted ✓

Corrected Today ___
Corrected Today ___
Corrected Today ___

## Low Pressure Pipe System:

- Turn-ups/cleanouts/valves are intact and accessible ✓
- Laterals are free of excess solids ✓
- Laterals were flushed this inspection No ___ Yes ✓
- Zone valves are operating properly ✓
- Pressure head is properly adjusted ✓
- Turn-up buckets are dry inside ✓
- Valve box or buckets are dry inside ✓

Corrected Today ___
Jetting necessary ___
Corrected Today ___ Need replacing? yes ___ / ___
Corrected Today ___

# SUBSURFACE WASTEWATER INSPECTION FORM

| System Manager: | Date of Inspection | ___ Initial ___✓ 6 month ___ 12 month |
|---|---|---|
| **TCW Wastewater Management, Inc.** | 11-11-11 | ___ Follow-up ___ Service call ___ Other |
| P.O. Box 1830, Indian Trail, NC 28079 | **County** / **System Type** | **Drainfield** |
| Tele. 704.283.2740 | Iredell-S / PUBS | ___✓ On-site ___ Off-site |
| Fx. 704.283.2733 | Time: 10:01 / Initials CC | |

Name and Address of Owner:
EFC Enterprises LLC
420 S. Main St.
Trout man NC 28166

Location of System / Drainfield (off-site)
576 Morrison Farm LN
Lot # 22 Phase ___ Subdivision Sunset Bay

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: ___ gallons 1000 = 53" LL 1500 = 43" LL

- Tank risers are accessible
- No odors present
- There are no Infiltration problems
- Surface water is being diverted away
- Tanks and accesses are structurally sound
- Inlet pipe at proper angle
- Inlet tee is in good condition
- Inlet Tee is cleaned today
- Effluent Filter clogging percentage ___%
- Effluent Filter was cleaned No ___ Yes ___
- Effluent Filter is in good condition
- Effluent Filter Canister is in good condition
- Effluent Filter is snapped in place
- Effluent Pipe at proper angle
- Water level is at proper level

▶ Buried ___✓ ___"
▶ Surface ___ Subsurface ___

Inlet End of Tank: Scum Level ___" Sludge Level ___"
Scum plus Sludge level ___" (SST)
SST ___"/ liquid Depth ___" x 100 = ___%
**Tank Needs Pumping:** yes ___ No ___
< 30 % = No > 30 % = Yes

Filter End of Tank: Scum Level ___" Sludge Level ___"

**Sample of total water depth**
Three distinct zones: good ___ medium ___ murky ___

**Bacteria:**

| | Added at inspection | Left with homeowner |
|---|---|---|
| Pulp | ___pks | ___pks |
| Regular | ___pks | ___pks |
| Bio-One | ___ | ___ |

## Effluent Dosing Station:
size: 1000 gallons 1000=50"=20 GPI 1500=52"=28 GPI

- Tank Riser is at proper height ___✓
- No odors present ___✓
- No infiltration issues: Surface ___ Subsurface ___ ___✓
- Required pumps are present & operating properly ___✓ Amp. Draw ___
- High water alarm is operating properly N/insp ___
- Floats, pipes, valves, disconnects are in good condition ___✓
- Pump is installed on block or raised platform (min. 6 inches) ___✓
- 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 ___na
- Pressure Bell settings: Off 4", On 10"-12", Tele 16", Alarm 22"

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** ___ (<275) **Above average** ___ (>275) **Very high** ___ (>350)
Pump #1- CC ___ - PC ___ = Useage ___

## 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 ___✓
- Lines are not ponding or holding water ___✓ ▶ If ponding is occuring, how much? ___"
- No low areas or settling occurring ___✓
- Line cover (soil) is adequate ___

Drop boxes used in lieu of Distribution box No ___ Yes ___
Distribution box(es) in good condition ___
Distribution box(es) in proper adjustment ___
Repair area is properly reserved, maintained ___✓

## Pressure Manifold System:

- Manifold vault, valves, piping are in good condition ___
- No evidence of leakage, blockage in discharge lines ___
- No evidence of effluent backing up into box ___
- The Pressure head is properly adjusted ___

Corrected Today ___
Corrected Today ___
Corrected Today ___

## Low Pressure Pipe System:

- Turn-ups/cleanouts/valves are intact and accessible ___✓
- Laterals are free of excess solids ___✓
- Laterals were flushed this inspection No ___✓ Yes ___
- Zone valves are operating properly ___✓
- Pressure head is properly adjusted ___✓
- Turn-up buckets are dry inside ___✓
- Valve box or buckets are dry inside ___

Corrected Today ___
Jetting necessary ___
Corrected Today ___ Need replacing? yes ___ / ___
Corrected Today ___

revised 6/27/09

# SUBSURFACE WASTEWATER INSPECTION FORM

System Manager:
**TCW Wastewater Management, Inc.**
P.O. Box 1830, Indian Trail, NC 28079
Tele. 704.283.2740
Fx. 704.283.2733

Date of Inspection: 4-9-12
___ Initial ___ 6 month ✓ 12 month
___ Follow-up ___ Service call ___ Other

| County | System Type | Drainfield |
|---|---|---|
| Iredell-5 | PPBPS | ✓ On-site ___ Off-site |

Time: 9:50 Initials CL

Name and Address of Owner:
EFC Enterprises LLC
420 S. Main St.
Trautman NC 28166

Location of System / Drainfield (off-site)
576 Morrison Farm Rd
Lot # 22 Phase ___ Subdivision Sunset Bay

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: ___ gallons 1000 = 53" LL 1500 = 43" LL

- Tank risers are accessible ✓
- No odors present ✓
- There are no Infiltration problems ✓
- Surface water is being diverted away ✓
- Tanks and accesses are structurally sound ✓
- Inlet pipe at proper angle ✓
- Inlet tee is in good condition ✓
- Inlet Tee is cleaned today ✓
- Effluent Filter clogging percentage ___ %
- Effluent Filter was cleaned No ___ Yes ___
- Effluent Filter is in good condition ✓
- Effluent Filter Canister is in good condition ✓
- Effluent Filter is snapped in place ✓
- Effluent Pipe at proper angle ✓
- Water level is at proper level ✓

▶ Buried ___ ___"
▶ Surface ___ Subsurface ___

Inlet End of Tank: Scum Level ___" Sludge Level ___"
Scum plus Sludge level ___" (SST)
SST ___"/ liquid Depth ___" x 100 = ___%
**Tank Needs Pumping:** yes ___ No ___
< 30 % = No > 30 % = Yes

Filter End of Tank: Scum Level ___" Sludge Level ___"

**Sample of total water depth**
Three distinct zones: good ___ medium ___ murky ___

**Bacteria:**
Added at inspection: Pulp ___pks Regular ___pks Bio-One ___
Left with homeowner: Pulp ___pks Regular ___pks Bio-One ___

**Effluent Dosing Station:** size: 1000 gallons 1000=50"=20 GPI 1500=52"=28 GPI

- 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 IV inside
- Floats, pipes, valves, disconnects are in good condition ✓
- Pump is installed on block or raised platform (min. 6 inches) ✓
- 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 NA
- Pressure Bell settings: Off 4", On 10"-12", Tele 16", Alarm 22"

Amp. Draw ___

Scum Level 0" Sludge Level 1"
Tank Needs Pumping: yes ___ No ✓

Filter Cleaned today No ✓ Yes ___
Filter is in good condition NA

**Elapsed Time Readings:**
Pump #1- C ___ - P ___ = Usage ___hrs
Usage ___ / days ___ = Use Per Day ___hrs
Hrs ___ x 60 = ___min.x GPM = ___GPD
**Average** ___ (<275) **Above average** ___(>275) **Very high** ___(>350)
Pump #1- CC ___ - PC ___ = Useage ___

**Ground Absorption Fields:**

- No odors present ✓
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- Field Protected from traffic/destructive uses ✓
- Surface water is being diverted away ✓
- Lines are not ponding or holding water ✓
- No low areas or settling occurring M
- Line cover (soil) is adequate ✓

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

▶ If ponding is occuring, how much? ___"

Repair area is properly reserved, maintained ___

**Pressure Manifold System:**

- Manifold vault, valves, piping are in good condition ✓
- No evidence of leakage, blockage in discharge lines ✓
- No evidence of effluent backing up into box ✓
- The Pressure head is properly adjusted ✓

Corrected Today ___
Corrected Today ___
Corrected Today ___

**Low Pressure Pipe System:**

- Turn-ups/cleanouts/valves are intact and accessible ✓
- Laterals are free of excess solids ✓
- Laterals were flushed this inspection No ___ Yes ✓
- Zone valves are operating properly ✓
- Pressure head is properly adjusted ✓
- Turn-up buckets are dry inside ✓
- Valve box or buckets are dry inside ✓

Corrected Today ___
Jetting necessary ___
Corrected Today ___ Need replacing? yes ___ / ___
Corrected Today ___

revised 6/27/09