

# Client Referral/Admission Data

Client SAN1000 Sanitation, Client

Opened on 01/11/2010

## Name and Address

Client number: SAN1000  
Opened on: 01/11/2010  
Case status: Open  
Last name: Sanitation  
First name: Client  
City: Hood River  
State: OR  
Zip code: 97031

## Case Study Narrative:

Windmaster is a neighborhood located south of the City of Hood River, Oregon. It is located on unincorporated County lands. A soil structure exists (clay) in the area, that impedes the flow of ground water. This causes surfacing ground water to occur in this area (especially during times of high precipitation). For 30 years, Hood River County (Health Department) has recognized that this area has had very frequent septic-system failure. It has been a contentious and evolving issue for many years.

## Admission

Assigned Employees:  
Smith, David  
Programs:  
Environmental Health (01/11/2010 - [blank])  
Directions to home: Windmaster is an unincorporated neighborhood south of Hood River

## Demographics

### Contacts

### Discharge

### General notes

The Windmaster neighborhood has a longstanding history of incorrectly installed and failing septic systems with potential for surfacing fecal material and disease. Long term solutions needed.

### Immunization (Custom Tab 1)

### APS Intake

### Case Study

Several individuals have been observed to have incorrectly installed septic systems that directly pollute surface waterways and ditches. Failing septic systems may lead to surfacing fecal material. Fecal material may contain human pathogens that lead to disease. Both people and animals may become contaminated and diseased. This creates a health risk for all people especially young children, the elderly and immune-compromised individuals. As well, this area may be a significant source of contamination for nearby Indian Creek. High levels of e-coli bacteria have been measured in this water body.

David Smith, Environmental Health Specialist has been assigned to head up a team to resolve these ongoing issues. Upon surveying the area, talking with Env Health colleagues, local residents, and local politicians, he coordinated actions aimed at long-term resolution of the problem.

Thanks to the good work of the Hood River County Health Department, a sewer district was formed allowing people in the area to connect to a community sewer system. Additionally, a fund has been established to ease the expense for homes to connect to the system. Most residents and businesses have complied with the sewer connection mandate. Some properties may need further

enforcement action.

**Meds and Hx**  
**TCM Defined Target Group**  
**TB**

# Visit Report

Client SAN1000 Sanitation, Client

Visit date 01/11/2010

## Visit

### Activity Details

Start time: 08:00 AM  
End time: 04:00 PM  
Service: Assessment  
Employee: Smith, David  
Activity Summary: Assessment/testing done of groundwater/sewage currently present in Winchester after recent heavy rains. Several individual property owners noted to have incorrectly installed septic systems. High levels of e-coli bacteria found in Indian Creek.  
Plan:  
1. Send all property owners literature regarding dangers/risks of inadequate sewage disposal  
2. Work with local leaders in forming local sewer district and establishment of assistance fund.  
3. Continued testing per dept guidelines

### Coumadin

### Falls Risk Assessment

### ADRC

### Human Services

### TCM Activity

### Nutrition

### Environmental Health

Lab results: This is just one example of where you could place laboratory results in Nightingale Notes

## Pathways

## Problems

### Sanitation

Priority: High  
Severity: Actual  
Scope: Community

### Signs/Symptoms

- inadequate sewage disposal

Knowledge: 2 - Minimal knowledge  
Behavior: 3 - Inconsistently appropriate  
Status: 2 - Severe signs/symptoms  
Identified: 01/11/2010  
Problem Notes: *Multiple pools noted in district containing sewage from inadequate septic systems; coliform contamination of Indian Creek*

## Interventions

### Assess (Surveillance)

#### laboratory findings

Coliform bacteria levels  
*Notes: High levels noted consistently in Indian*

*Creek and pools throughout neighborhood*

## Treatments and Procedures

### specimen collection

water

*Notes: Various pools of water tested today; results pending*

### environment

Identify source(s) of contamination

## Teaching, Guidance and Counseling

### infection precautions

clean environment

Discussed importance of following through with recommendations in any public notices, alerts, etc. identify potential sources of infection

*Notes: Ongoing testing needed to identify viruses, bacteria, or protozoa that may be present.*

### environment

need to repair septic systems or hook up to sewer relationship to disease

*Notes: Spoke with several property owners that sewage may contain fecal bacteria that carry human disease. People, pets, and wild animals may interact with open sewage and either directly or indirectly lead to human disease.*

## Case Management

### environment

local law enforcement

*Notes: Referral made today to local sheriff's substation for enforcement assistance*

Oregon State Department of Environmental Quality (DEQ)

*Notes: Referral made today*

## Problems Not Addressed At This Time

## Vitals

### General

### Pregnancy

### Post-Partum

### Child

### My Custom Vitals Tab 1

### Domestic Violence (custom Tab 2)

### Family Planning (custom tab 4)

### Pain Assessment

### Wound Care

### TB

### Health History/Risks

Signature: \_\_\_\_\_

# Visit Report

Client SAN1000 Sanitation, Client

Visit date 08/30/2010

## Visit

### Activity Details

Start time: 01:00 PM  
End time: 02:15 PM  
Service: Environmental Health Follow Up  
Employee: Smith, David  
Activity Summary: Sewer hook-up logs indicate that many people have now connected to the public sewer system; however, some have failed to connect. Random telephone survey indicates good knowledge of issues.  
Plan:  
1. Refer delinquent property owners to civil authority for enforcement.  
2. Continued education/monitoring as indicated

### Problems Not Addressed At This Time

### Vitals

General  
Pregnancy  
Post-Partum  
Child  
My Custom Vitals Tab 1  
Domestic Violence (custom Tab 2)  
Family Planning (custom tab 4)  
Pain Assessment  
Wound Care  
TB  
Health History/Risks

### Coumadin

### Falls Risk Assessment

### ADRC

### Human Services

### TCM Activity

### Nutrition

### Environmental Health

## Pathways

## Problems

### Sanitation

Priority: High  
Severity: Actual  
Scope: Community

### Signs/Symptoms

- inadequate sewage disposal

Knowledge: 5 - Superior knowledge  
Behavior: 3 - Inconsistently appropriate  
Status: 4 - Minimal signs/symptoms  
Identified: 01/11/2010

## Interventions

### Assess (Surveillance)

#### environment

cleanliness

Rate of hookup to public sewer system

*Notes: Most residents have hooked up to sewer system; some have not met deadline. Table attached to record.*

telephone survey

*Notes: Random phone survey indicates understanding of issues/reduced disease risk with sewer hook-up/etc.*

### Case Management

#### environment

local law enforcement

*Notes: Property owners who have not hooked up yet have been referred to sheriff's department and local civil authorities.*

Signature: \_\_\_\_\_

# Visit Report

Client SAN1000 Sanitation, Client

Visit date 01/18/2010

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## Visit

### Activity Details

Start time: 11:00 AM  
End time: 11:30 AM  
Service: Environmental Health Follow Up  
Employee: Smith, David  
Activity Summary: Due to heavy rains, public notices on dangers of infection from open sewage in pools mailed to all residents in 97495 zip code.

### Coumadin

### Falls Risk Assessment

### ADRC

### Human Services

### TCM Activity

### Nutrition

### Environmental Health

## Pathways

## Problems

### Sanitation

Priority: High  
Severity: Actual  
Scope: Community

### Signs/Symptoms

- inadequate sewage disposal
- Identified: 01/11/2010

## Interventions

### Teaching, Guidance and Counseling

#### environment

Public notices regarding disease risk

*Notes: Mailed to all residents today*

## Problems Not Addressed At This Time

## Vitals

### General

### Pregnancy

### Post-Partum

### Child

### My Custom Vitals Tab 1

### Domestic Violence (custom Tab 2)

### Family Planning (custom tab 4)

### Pain Assessment

### Wound Care

### TB

### Health History/Risks

Signature: \_\_\_\_\_

# Visit Report

Client SAN1000 Sanitation, Client

Visit date 06/14/2010

## Visit

### Activity Details

Start time: 06:00 PM  
End time: 08:00 PM  
Service: Group Education  
Employee: Smith, David  
Activity Summary: Community meeting held at Winchester Community Center to discuss establishment of public sewer district and progress toward installation of sewer mains. Property owners notified of mandatory req't to hook up/establishment of assistance fund for low-income residents. Plan: 1. Continued education prn  
2. Monitor compliance with hookups

director of fund for assistance with fees

*Notes: Community residents referred to fund director upon request after meeting*

### Problems Not Addressed At This Time

### Vitals

General  
Pregnancy  
Post-Partum  
Child  
My Custom Vitals Tab 1  
Domestic Violence (custom Tab 2)  
Family Planning (custom tab 4)  
Pain Assessment  
Wound Care  
TB  
Health History/Risks

### Coumadin

### Falls Risk Assessment

### ADRC

### Human Services

### TCM Activity

### Nutrition

### Environmental Health

## Pathways

## Problems

### Sanitation

Priority: High  
Severity: Actual  
Scope: Community

### Signs/Symptoms

- inadequate sewage disposal

Knowledge: 4 - Adequate knowledge  
Behavior: 4 - Usually appropriate  
Status: 3 - Moderate signs/symptoms  
Identified: 01/11/2010

## Interventions

### Assess (Surveillance)

#### laboratory findings

Coliform bacteria levels

*Notes: Improving levels noted over past several months*

### Teaching, Guidance and Counseling

#### infection precautions

Discussed importance of following through with recommendations in any public notices, alerts, etc.

#### environment

need to repair septic systems or hook up to sewer

*Notes: Discussed progress towards sewer main installation; how to apply for assistance to pay hook-up fees*

relationship to disease

### Case Management

#### environment

Signature: \_\_\_\_\_