

Septic Application Review

with a
COSA

Owner:		Signed & Dated?					
Road Address:		GIS Verified?			X3166 or 3067 if not on mapper		
Purpose:							
		Yes	No	NR	Comments		
Planning approval complete?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Date:		
Failed? If yes, why?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Is there a public system <200'?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Type and number of structures to be served							
# of bedrooms:			GPD:				
Possibly commercial? If yes, commercial addendum completed?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Is this a food service establishment?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Other dwellings on property? If not permitted, must be addressed.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Permit #:		
Detached structure form complete?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Lot Size:	COSA:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	EQ#		
Pre 1984? If yes, may need SE.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adjusted size req'd:		
<p>If <20ac. And app has SE, look up creation date to find if it <i>should have or does have</i> a COSA. Might need sub review if improperly filed or certain exemptions on the plat. Use SE review worksheet for soil data (if required) and attach to this review sheet. Be sure to write in page numbers at the bottom.</p>							
COSA filed with C&R?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If no, can't issue until filed.		
Health Officer Approved COSA?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Problem Sub?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If yes, why?		
SE required (No COSA)?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See SE Review Worksheet		
<p>COSA Sizing requirements? Allowed lot usage (residential, commercial...) If no COSA and SE not req'd → why?</p>							
Site Plan submitted?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
3 copies	If COSA, Well/DF in approved location/orientation?	Parcel size		North Arrow	1° DF + 100% Repl.		
If SE, DF <25' of TP?	Well Location noted?	100' setback to well		Wells/septics shown within 100' of property line?			
Home site, driveways, outbuildings noted?		Water supplies, surface water, shown within 100'				<input type="checkbox"/>	

				Yes	No	NR	Comments
Public Water System? ≥25people; ≥60 days/year				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Name:
Multi-User water system? 3-14 connections				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
System Sizing							
A.	_____ ft ² /bed X _____ # of bedrooms = _____		total ft ² in system		OR		
B.	_____ gpd / _____ application rate (gpd/ft ²) = _____		total ft ² in system				
Reduction?	_____ Total ft ² from above X _____ = _____		total ft ²				
25% reduction for gravelless; 25% for Level 2 with 51-120mpi; 50% for Level 2 with 3-50mpi. COSA may have already been calculated with reduction credit included.							
Septic Tank Size		Dose Tank Size (Dose +25% reserve)		Adequate?			
Does site plan need to be altered?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(Must PD if >1000ft ² before any reductions!!)
If PD, have dose volumes been calculated?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Require PD Specs if complicated
System Type			Max Trench Depth				
System Cert Required by:				If SE/PE, why?			
Appropriate Fees Submitted?		\$ _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cash CC Check#	Receipt#
Monitoring Requirements:							
O&M Requirements:							
Variance?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If yes, see variance review checklist.
Other deficiencies?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
30 Day letter sent?		Date	15 Day letter sent?		Date		
Extension?							
Permit Issued?		Permit #	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	By	Date

Comments/Calculations (use another sheet if necessary):

Site Evaluation Review

Soils

Owner:		Road Address:					
Purpose:							
Name of Qualified Site Evaluator			Confirmation Number				
Signature/PE Seal?		GCCHD Observe?			If yes, notes?		
		Yes	No	NR	Comments		
Ag exemption, sanitary restrictions, etc on COS or Plat?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If yes, must remove before permit issued.		
COS #		Plat					
Has the Flood Plain been delineated?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• If yes, 100' setback from DF?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Buildings within FP?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Site specific flood study done/required?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If yes, comments from FP admin?		
Estimated depth to seasonal high GW (shgw)?		How determined?					
GW found at 7'?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• If yes, GW monitored w/ 2 peaks?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	GW monitoring #		
• GW monitoring well <25' from DF?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
New or increased source?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(>5 beds, second dwelling, etc)		
• If yes, non deg addressed for nitrate <i>and</i> phosphorous?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• TP depth – P mixing depth = Max Trench depth							
• Background N sample <1 year old?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This well must be incl. in hydraulic conductivity.		
• Wells—shallowest aquifer? All well logs provided?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	GWIC #		
• Vicinity map with all well log locations shown? Acceptable?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Distance to surface H ₂ O?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If <2640' (0.5 mi), see Trigger Value Flow Chart.		
• Adjacent to surface H ₂ O required?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Use trigger value flow chart.		
• Cumulative effects addressed?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Mixing zone appropriate?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Length		
• SSMZ requested?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Pathogen Transport addressed?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• All wells within 200' of MZ shown?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

		Yes	No	NR	Comments	
Slope across DF >25%?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If yes, PE must justify ≥35%.	
TP dug to 96"?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
• Thickness, texture, structure of horizons?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
• Color and mottling noted?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
• Water observed?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Depth	
• Limiting layer observed?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Depth	
• Stoniness, root depth, other noted?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Perc test done?	Depth:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MPI	
Perc rate <3 mpi?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If yes, PD and sand line.	
Soils ≥0.6gpd/ft ² and/or perc rate <10mpi		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Must PD.	
Do soil and perc tests differ?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Size most conservatively.	
Drain field sizing based on soil/perc						

Comments/Calculations (use another sheet if necessary):