17.1049.324



520 Lafayette Road North St. Paul, MN 55155-4194

## **Compliance Inspection Form**

Existing ?



'SSTS) orcement

Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached forms - additional local requirements may also apply.

Submit completed form to Local Unit of Government (LUG) and system owner

For local track	king purposes:
	RECEIVED
	nct 1 4 2013
Vertical Control of the Control of t	ZONING

within 15 days		OCT 1 4 2013
System Status	en e	ZONING
System status on date (mm/dd/yyyy): 10/10/2013		
○ Compliant - Certificate of Compliance (Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.)	Noncompliant – Noto	tice of Noncomplianc s on page 3.)
Reason(s) for noncompliance (check all applicable  Impact on Public Health (Compliance Component #1)  Other Compliance Conditions (Compliance Component  Tank Integrity (Compliance Component #2) – Failing to Other Compliance Conditions (Compliance Component  Soil Separation (Compliance Component #4) – Failing Operating permit/monitoring plan requirements (Comp	- - Imminent threat to public health nt #3) - Imminent threat to public h to protect groundwater nt #3) - Failing to protect groundwa nt o protect groundwater	ealth and safety ater
Property Information Parcel I	D# C (T   D 4740400	
Property address: 14550 PEARL LAKE DR	D# or Sec/Twp/Range: 1710493	
Property owner: JAMES MCCAWLEY	Reason for inspection: Owner's phone:	SALE
or	Owner sprione.	
Owner's representative:JIM BROUSE	Representative phone:	
Local regulatory authority: BECKER CO ZONING	Regulatory authority ph	one: 846-07614
Brief system description:1000 GAL TANK WITH APPROX 750	SQ FT CHAMBER DRAINFIELD	
Comments or recommendations:		
	The second secon	
Certification		
hereby certify that all the necessary information has been gathere determination of future system performance has been nor can be n possible abuse of the system, inadequate maintenance, or future w	nade due to unknown conditions d	tus of this system. No uring system construction,
Inspector name: RICK RENNER	Certification number:	7202
Business name: RENNER EXCLLC.	License number:	2567
Inspector signature: Kick Kerner	Phone number:	439-3514
Necessary or Locally Required Attachments		
<ul><li>☑ Soil boring logs</li><li>☑ System/As-built drawing</li><li>☐ Other information (list):</li></ul>	☐ Forms per local ordinance	е

TTY 651-282-5332 or 800-657-3864

www.pca.state.mn.us • 651-296-6300 • 800-657-3864 • TTY 651-282-5332 or 800-657-3864 • Available in alternative formats wq-wwists4-31 • 3/16/12 Page 2 of 3

System is non-protective of ground water for other conditions as determined by inspector .

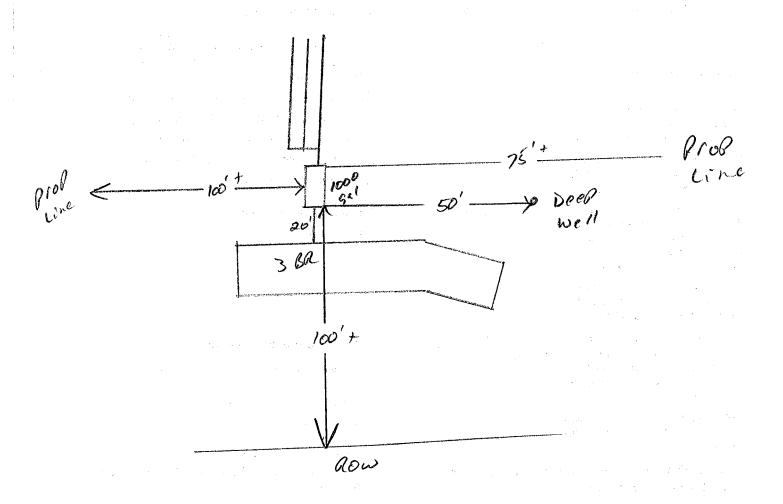
\*System is failing to protect groundwater.

Explain:

4. Soil Separation — Compliance co	mponent #4 of 5			
Date of installation:	☑ Unknown	Verification method(s):		
(mm/dd/yyyy)  Shoreland/Wellhead protection/Food beverage ⊠ Yes □ No  odging?  Compliance criteria:		Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local requirements differ.		
For systems built prior to April 1, 1996, and		Conducted soil observation(s) (A	ttach borina logs)	
not located in Shoreland or Wellhead				
Protection Area or not serving a food, beverage or lodging establishment:		☐ Not applicable (Holding tank(s), no		
Drainfield has at least a two-foot vertical		☐ Unable to verify (See Comments/E.	xplanation)	
separation distance from periodically saturated soil or bedrock.		Other (See Comments/Explanation)		
Non-performance systems built April 1,	⊠ Yes □ No	Comments/Explanation:		
1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment:		SANDY LOAM		
Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*				
"Experimental", "Other", or "Performance"	☐ Yes ☐ No	Indicate depths or elevations		
systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080.		A. Bottom of distribution media	22""	
2350 or 7080.2400 (Advanced Inspector License required)		B. Periodically saturated soil/bedrock	7'+	
Drainfield meets the designed vertical separation distance from periodically		C. System separation	4'+	
saturated soil or bedrock.		D. Required compliance separation*	36"	
Any "no" answer above indicates to failing to protect groundwater.  5. Operating Permit and Nitrogen	·	*May be reduced up to 15 percent if Ordinance.  ce component #5 of 5	allowed by Local	
Is the system operated under an Operating	Permit?	☐ No If "yes", A below is requir	red	
Is the system required to employ a Nitroger	n BMP? ☐ Yes	☐ No If "yes", B below is requir	ed	
BMP = Best Management Practice(s) s	specified in the system o	design		
If the answer to both questions is "n	o", this section doe	s not need to be completed.		
Compliance criteria				
a. Operating Permit number:		□ Vac □ Na		
Have the Operating Permit requireme	nts been met?	☐ Yes ☐ No		
b. Is the required nitrogen BMP in place	and properly functioning	g?		
Any "no" answer indicates Nonc	ompliance.			

**Upgrade Requirements** (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.







# APPLICATION FOR SEWAGE SYSTEM

CERTIFICATE OF COMPLIANCE With The Becker County Zoning Ordinance

Tax Parcel Number, 17.10-49.32.4
Fire Number of Project Location

Δ	GENERAL	INFORMATION	
м.	GENERAL	. INFUNINALIUN	

1. Applicant's Name (Last, First, M.I.)		2. Authorized Agent (if applicable)
LALDSON June		Cravil ()nm
3. Mailing Address (Street, RED, Box Numl	per-Gity, State, Zip Code)	YOS MN 36501
4. Day Phone	5. Evening Phone	6. Section 7. Township  12 Nake Euric T
	P. DDORTDTV	•
1/Lot(s), Block, Subdivision Name	B. PRUPERIT	DESCRIPTION
How Yake Terrai	ce 1St Addition	MH4BbcK1
OFINIADE OVOTEMA DATA		^
SEWAGE SYSTEM DATA Anticipated Use a. ( ) Single Family b. ( ) Multiple Family c. ( ) Commercial d. ( ) Other (specify)	1 Inch Equals DESIGN	
Type of Installation a. ( ) Septic Tank Only b. ( ) Drainfield Only c. ( ) Septic Tank & Drainfield d. ( ) Holding Tank e. ( ) Septic Tank/Drainfield Lift Station		50
Type of Drainfield a. ( ) Standard System b. ( ) Mound (pressure distribution)		Drilled Well
Well Data a. Depth b. Diameter	38	umah & Samurana ara necessa
Type of Well a. ( V) Drilled b. ( ) Sand Point	Proposox Disturbutor 10" branches Ripe	
	,	how Distance Between Sewage System And Buildings, perty Lines, Lake, Road And All Wells Within 125 Feet.
Distances to Well:  Distance to Building:  Distance to Property Line:  Drainfield separation from Highest Kno	Tank Drainfield  = 50 50  = 30 30  = 50 30  pwn Ground Water Level, Impervious Lens	Distance to Pressure Line:  Tank Drainfield  10  75  Tank Capacity (gal.& Area of Drainfield (ft 2) = 10  Distance to Ordinary High Water Level: = 10  10  10  10  10  10  10  10  10  10
I hereby certify with my signature that all c	lata on my application forms.	
plans and specifications are true and corre	ct:	A Applicant
		of Applicant Date  ETED BY PLANNING AND ZONING
( ) CERTIFICATE IS HEREBY DENIED: (S CERTIFICATE IS HEREBY GRANTED: plans, specifications and all other supporti expected to function satisfactory, however	ee back For Reasons) Based upon the application, addendum fro ng data. With proper maintenance this sys	DOM, BECKER-COUNTY PLANNING AND ZONING

### **BECKER COUNTY PLANNING & ZONING**

829 LAKE AVENUE, PO BOX 787 DETROIT LAKES, MN 56502-0787 PHONE (218) 846-7314 - FAX (218) 846-7266

INSTALLATION PERMIT FOR INDIVIDUAL SEWAGE TREATMENT	FIRE NO	
PERMIT/RECEIPT NO. 10536	TAX PARCEL	NUMBER 170/049324
LEGAL DESCRIPTION		
Lot 4 Block / Plan	I hale Terrace 15	Addition
LAKE/STREAM NAME LK/STR CLA		TOWNSHIP NAME
CARE/STREAM NAME ENSTREE	ASS SECTION TWI RANGE	-
Poart RD	12 138 42	Lake Bunco
PROPERTY OWNER	ADDRESS/ CITY/ STATE	PHONE NO
Jim Jenson RRI	By 580 Detroit Lake	S MN 56501
INSTALLER	LICENSE NO	PHONE NO
Corunt Ohm	DIODIGE NO	
SE	WAGE TREATMENT SYSTEM DATA	
WORK CATEGORY	SIZE OF TANK	SIZE OF LIFT STATION
	/UCO GALLONS	GALLONS
(X) NEW SYSTEM ( ) REPAIR	SIZE OF DRAINFIELD  57/ FT2	SIZE OF PUMP
( ) REPAIR	SYSTEM LENGTH	DEPTH TO RESTRICTING
	/90 FT	LAYER <u>60"</u>
	NUMBER OF	MAXIMUM DEPTH OF
TYPE OF SYSTEM	TRENCHES 3	SYSTEM <u>84"</u>
(A) CERTIC TANK TOP A DIEVEL D	ESTIMATED CPD	PERCRATE 5.3
(4) SEPTIC TANK/DRAINFIELD ( ) DRAINFIELD ONLY	FLOW <u>450</u> GPD	PERCRATE
( ) HOLDING TANK	TYPE OF DRAINFIELD	SSF 1.27
( ) ALTERNATE (specify)		SIZE OF GRAVELLESS
	(>) STANDARD (gravelless)	PIPE OINCh
( ) LIFT STATION	( ) STANDARD (rock trench)	DEDTH OF DOCK
	( ) STANDARD (bed) ( ) MOUND (pressure distb)	DEPTH OF ROCK
	-	<u> </u>

I hereby certify with my signature that all the data contained herein as well as all supporting data are true and correct to the best of my knowledge. I also understand that this permit is valid for a period of six (6) months.

Signature on sets valuation 10-15-96

Date

Any changes to the permit must first be approved by Becker County Planning & Zoning. No system shall be covered up without inspection by Becker County Planning & Zoning.

Site Plan as approved	l on Site Evaluation	1.			
	7.3				
	. ~. 4	ı	/	- 1 .	
	Site	plan	atta	AND .	
1000000	· · · · · · · · · · · · · · · · · · ·			4.41-41-4	
For Office Use Only	40				A 20
Application Fee	4500	State Surch	arge	Tot.	al 45 =
[ ] Application is her [ ] Application is her					
Application is her individual septic syst				tion and design s	to install an submitted to the
Becker County Envir			r of:	_	
Signature of Becker	County Qualified &	mnlovee			15-96 Date
					Date
This permit expires o	$n \longrightarrow 1$	<u> </u>			

### BECKER COUNTY PLANNING & ZUNING

829 Lake Avenue, P O Box 787 Detroit Lakes, MN 56502-0787 Phone (218) 846-7314, Fax (218) 846-7266

### Onsite Septic System Site Evaluation/Design

Fire Number Tax Parcel Number / 7 1049.334

Legal Description:	the sterrace 1st	Addition for 46	Block 1
1 <del>2 - 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1</del>	e/Stream Class	Section TWP Range	Township Name
PEARL	RD and a second	12 138H 42W	LAKE EYNICE
Property Owner	Address	City, State, Zip Code	Phone Number
TIM TENSON	RRI BOX 58D	DrtRoit LAKES, MAY SE	Ø/
ISTS Designer I / Designer II	License Number	Addfess	Phone Number
GRANT Ohm	932	BOX 293 Aydy box por	v 4396428

### Site Plan

The site plan must be drawn to dimension or to scale:

- \*All Wells within 100 feet of the System
- \*Existing & Proposed Buildings
- \*Easements
- \*Distance from Water Lines within
- \*Distance from OHW
- \*Distance from Property Lines
- \*Location of any Unsuitable
- \*Soil Boring & Perc Test Locations
- \*Dimensions of Lot
- \*Tank Access Route

\*Distance from all Wells within 100 ft of System 50 ft of System(existing & proposed) Disturbed/Compacted Soil \*Scale - One inch = ft No lakeshore 191 (195) TOWNSHIP R.O.W

TEST HOLE #2

	IESI	HOLE #1			1EST HO	JLじ #2	
DEPTH IN INCHES	SOIL TEXTURE	MUNSELL COLOR	STRUCTURE	DEPTH IN INCHES	SOIL TEXTURE	MUNSELL COLOR	STRUCTURE
0-5	SANdy	10 YR 4/2 DiGRey BAN	BLOCKY PLATY PRISMATIC NONE	0-12	SANDY	10 YR 3/1 DK GARY	BLOCKY PLATY PRISMATIC NONE
5-12	CLAY	10YR 6/2 ht BANGRY	BLOCKY PLATY PRISMATIC NONE	12-24	Chay	JOYA 4/2 OK GREY JAN	BLOCKY PLATY PRISMATIC NONE
12-24	Loper	104R7/1	BLOCKY PLATY PRISMATIC NONE	24-60	LOAM	10 YR 6/2 LTBRNGARY	BLOCKY PLATY PRISMATIC NONE
24-60	LOAM	104R7/A	BLOCKY PLATY PRISMATIC NONE				BLOCKY PLATY PRISMATIC NONE
Depth to standing water	4.5			Depth to standing water			
Depth to mottling				Depth to mottling		Protections (Artifaction of the Artifaction of the	

mottling mottling	
Describe the surface features (slope, runoff, weather conditions, vegetation type, evidence	ce of compaction, etc.)
HAY FIRLS - 15% Stofe DAMP	
SYSTEM IS NEW () REPAIR SYSTEM DESIGN  WATER USES: NUMBER OF BEDROOMS  NUMBER OF BATHROOMS  (X WASHING MACHINE () DISHWASHER () WATER SOFTENER () GARBAGE DISPOSAL  TANK SIZE	GRAVITY FLOW ( ) PRESSURE DISTRIBUTION  DEPTH OF SYSTEM
TYPE OF RESIDENCE  SOIL TREATMENT  (X) TYPE I  (X) TYPE I  (X) TYPE II  (X) TYPE II	TYPE OF WELL  Type of Wells
Name of Designer I Designer II  CRANT Ohm	Date of Site Evaluation 9-10-96
MPCA Number 932	Phone 4396428
I certify that the site evaluation has been completed in accordance Chapter 7080.	with all provisions of ISTS Minnesota Rules  Date
For Office Use Only	
Date Site Evaluation / Design received 10-15-96 Received  Date Site Evaluation approved 10-15-96 Approved	

### INDIVIDUAL SEWAGE TREATMENT SYSTEM WORKSHEET

A. B.	Estimated
C. D. E. F. G.	SOILS (Site evaluation data)  Depth to restricting layer =
H. I. J. K.	TRENCH BOTTOM AREA  For trenches with 6 inches of rock below the pipe:  A $\times$ F = $\times$ = sq ft of bottom area  For trenches with 12 inches of rock below the pipe:  A $\times$ F $\times$ 0.8 = $\times$ $\times$ 0.8 = sq ft of bottom area  For trenches with 18 inches of rock below the pipe:  A $\times$ F $\times$ 0.66 = $\times$ $\times$ 0.66 = sq ft of bottom area  For trenches with 24 inches of rock below the pipe:  A $\times$ F $\times$ 0.6 = $\times$ $\times$ 0.6 = sq ft of bottom area  BED BOTTOM AREA
L.	For seepage beds with 6 or 12 inches of rock below the pipe;  1.5 x A x F = 1.5 x x = sq ft of bottom area
M.	ROCK VOLUME IN CU FT  Rock depth below distribution pipe plus 0.5 foot times bottom area:  M = Rock depth + 6 inches x Area (H,I,J,L,K)  ( + 0.5 ft) x = cu ft
N.	ROCK VOLUME IN CU YDS  Volume in cu ft divided by 27  M + 27 = cu yds + 27 = cu yds  ROCK WEIGHT
O.	Cubic yards times 1.4 = tons  N x 1.4 = tons x 1.4 = tons
P. Q.	lineal feet
Q1.	Gravelless Design  A x F ÷ (3 for 10" pipe, 2 for 8" pipe, width of the Chamber) $450 \times 107 + 3 = 190$ feet
R. S.	LAWN AREA  Select trench spacing, center to center = feet  Multiply trench spacing by lineal feet R x Q = sq ft of lawn area  x = sq ft
	If the site evaluation determines a

mound system, please attach the mound

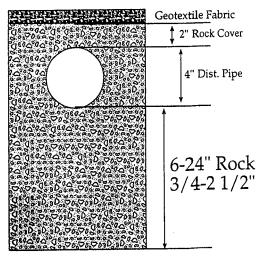
design worksheets.

	Estimated Sewage Flows in Gallons per day (gpd)					
	Number of Bedrooms	Type I	Туре П	Туре Ш	Type IV	
	2 3 4 5 6 7 8	300 450 600 750 900 1050 1200	225 300 375 450 525 600 675	180 218 256 294 332 370 408	60% of the values in Type I, II or III columns	
	Septic T	ank Ca	pacities	(in gailon:	s)	
	Number of Minimum Liquid Liquid capacity will Bedrooms Capacity garbage disposal					
2 or less 3 or 4 5 or 6 7, 8 or 9		1	750 000 500 .000		1125 1500 2250 3000	
						1

for Sewage Treatment					
Percolation Rate in Minutes per Inch (MPI)	Soil Texture	Square feet per gallon per day			
Faster than 0.1 *	Coarse Sand				
0.1 to 5	Sand	0.83			
0.1 to 5	Fine Sand **	1.67			
6 to 15	Sandy Loam	1.27			
16 to 30	Loam	1.67			
31 to 45	Silt Loam	2.00			
46 to 60	Clay Loam	2.20			
Slower than 60***	Člav				

- Soil too coarse for sewage treatment.
  Use systems for rapidly permeable soils.
  Soil having 50% or more of fine sand
  plus very fine sand.
  "Soil with too high a percentage of clay for
  installation of an inground standard system.

6 inches= 0% Reduction\* 12 inches= 20% Reduction 18 inches= 34% Reduction 24 inches= 40% Reduction \*sizing for gravelless trench



18-36" Width

	•	+	PERCOLA.	- PERCOLATION TEST SHEET	T SHEET -	9-11-01	d		•		- PERCOLATION	NOI
Test hole location	scation Sill	1/4	Hole *	) D	Date test hole was prepared:	- 1	Q	Test hole location	1	NORIA	Hole #	15
Depth of h	Depth of hole bottom:	7.4	inches	Diameter of hole:	\ \ !	inches		Depth of hole bottom:	le bottom:	26	inches .	Diameter
Soil Data fi	Soil Data from test hole:	,						Soil Data from test hole:	m test hole:	•		:
	•	depth, inches	8	soil texture:	* 7	soil color				depth, inches		
	1	27.3		Kome		200				250		
	17	2-24		Hotel		Joex						
Method of	Method of scratching sidewall:	all:		Pepth of pea size	Depth of pea size gravel in bottom of hole:	ات. ت	inches	Method of se	Method of scratching sidewall:	all:	Ω	Depth of p
Date and h	Date and hour of initial water filling:	er filling:	1	Depth of initial water filling		above hole bottom	ottom	Date and ho	Date and hour of initial water filling:	er filling:	Ω	Depth of i
Method use	Method used to maintain 12" of water depth in hole for 4 hours:	" of water dep	th in hole for 4 h	ours				Method usec	1 to maintain 12	" of water depti	Method used to maintain 12" of water depth in hole for 4 hour <u>s:</u>	urs:
Percolation	Percolation test conducted by,	7,5			Percolation test started at	(am /	(am / pm).	Percolation t	Percolation test conducted by;	y;		
Maximum	Maximum water depth above hole bottom during test.	ve hole bottom	during test:	C inches	es			Maximum w	Maximum water depth above hole bottom during test:	e hoie bottom	during test:	
TIME	INTERVAL (MINUTES)	WATER DEPTH	WATER DROP (#action)	WATER DROP (decimal)	PERC RATE CALCULATION		conversions 1/16 = .06	TIME	INTERVAL (MINUTES)	WATER БЕРТН	WATER DROP (fraction)	WA) DR (deci
	- KTS		. A	K	TEME - DROP PERC	4	1/8 = .13 3.16 = .13		START 	9	4	4
	REFILL	414	134	1,75	TIME - PROP - JINS B		1,4 = .25 576 = .31		REFILL	3/2	-2/4	X
	REFILL	15h	1.5%	1,63	TIME - 163 - 145 C	r	38=38		яении 		1/2	51/
	REFILL	412	1/2_	57	30%	А	7/16 = .44 1/2 = .5		REFILL	- 4ch-	-1/4	1/2
	REFILL	412	1/4	1,5	TIME - IS - PERC	ម	9.16 = .56 5.8 = .63		REFILL	424	1/4	1/3
	REFILL	42	1/2	1,5	THME - PROP - JULE	(H	11/16 = .69		кении	379-	-1/4	7.3
	REFILL				TIME - DROP PERC	Ů	3.4=.75 13:16=.31		REFILL			
	REFILL		 	1	TIME - DROP PERC	Ħ	778 = .88 1516 = .54		REFILL	# 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	!
			Ten Percen	Ten Percent Calculation *							Ten Percent Calcu	t Calcu
A,B,C				B,C,D				A,B,C				В,
Eurgest # of ABC	1	Smallest # of ABC		Largest # of BCD	BCD Smullest # of BCD			Cargest # of ABC	1	Smallest # of ABC		1
Smallest # of ABC	STABE × 0.10	- 01	1	Smallest # of BCD	TBCD × 0.10 =			Smallest # of ABC	×	0.10 -		Sma
C,D,E	1			D, E, F				C,D,E	,		.,	Ö,
Largest # of CDE		Smallest # of CDE		Largest # of DEP	DEF Smallest # of DEF	)EP-		Largest # of CDE		Smallest # of CDE		1
Smallest # of CDE	or CDE × 0.10	- 0		Smullest # of DEF	TDEF × 0.10 =			Smullest # of CDE	orcde × 0.10	1 01		Sms.
т, т,				Ĭ,				<u>.</u>	ı			

# TEST SHEET -

Largest # of EFG Smallest # of EFC Smallest # of CDE × 0.10 \*\*
E, F, G

gest # of DEF Smallest # of DEF Lurgest # of FGH Smullest # of FGH Smallest # of FGFf × 0.10 = Smallest # of DEF × 0.10 = F, G, H

5,33 MURAD Smallest # of EFC × 0.10 = Smallest # of FCF × 0.10 = If the top number in each set of boxes is larger than the bottom number then take another reading. If the top number is equal or smaller than bottom number, average the three numbers for the percentage. 2,66 PU. MI

Largest # of FGR Smallest # of FGH

LARGOR # OF EFG Smallest # of EFG

S PS: 12/