MACCY BIOCHAR JOB SHEET

JOB NO	BATCH NO. 1	of			
TYPE OF KILN	FLAME-CAPP	ED TYPE	Α	NO. OF KILNS	•••
START DATE:	//				
FINISH DATE:	//				
CUSTOMER NAME:					
LOCATION:					
WOOD TYPE:					
CALCULATION OF N I	EW CO2 EMITT	ED:			
REASON:		Travel to & from site (vehicles)			
FUEL CONSUMPTION (litres):		,			
TYPE OF FUEL:	((iiii 00):	Petrol: heat	ing value o	f 47MJ/kg; emits 67	gms CO2/MJ: and
THE OF TOLE.		weighs 0.7k		47 Worky, Chills Or	gms 502/wo, and
TOTAL NEW EMISSION)N (ka CO2):	weigiis 0.7 i	0.00		
TOTAL NEW LIMISOR	714 (kg 002).		0.00		
CALCULATION OF CA	ARBON & CO2	CAPTUR	ED:		
BIOCHAR PRODUCTI					
BIOCHAR DRY BULK DENSITY (kg/m3):			280	oct	
BIOCHAR CARBON CONTENT (%):			280 est 75 Note 1		
` '				inole i	
CARBON CAPTURED (kg)			0		_
GROSS TOTAL CAPTURE (kg CO2):			0		
NET TOTAL CAPTURE (kg CO2):			0		
CALCULATION OF KWHR OFFSET:		Г	0.00	(SA on	nissions factor = 0.51)
CALCULATION OF IX	WIIIX OI I OLI.	L	0.00	(SA ell	iissions factor = 0.51)
COST OF PRODUCTI	ON·				
TRAVEL COST (\$):	0				
LABOUR COST (\$):	0				
OTHER COSTS (\$):	0				
TOTAL COST (\$):	0				
BIOCHAR COST (\$/kg)	0				
CARBON CAPTURE COST	Г (\$/kg CO2):		0		
COMMENTS:	Notes:				
COMMENTS.	1. Assumed.				
	2. Production vol. measured by % full litre bin.				
	Average dry bulk density estimated based on earlier measurements.				
	and any and				
JOB SUPERVISOR:					
Calculation formulae:					
New CO2 emitted (kgCO2)	•				
Carbon captured (kg)	(Biochar production	n)/1000*(Rid	ochar dry h	ulk density)*(Riochai	r carbon content\/100

MAKING MACCY CARBON NEUTRAL

Gross total capture - Total new CO2 emitted

(Net total capture kg CO2)/1000*1000/0.51

Gross capture (kgCO2) Net capture (kgCO2)

KWHR Offset

((Biochar production)/1000)*(Biochar drybulkdensity)*(Biochar carboncontent)/100)*3.66