



# Incisive Risk Assessment Report

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Report Information	
Generated On:	3/22/2010 11:48
Workbook Name:	aq9-23.xls

Comments

Workbook Statistics			
Total Formulas:	81327	Total Unique Formulas:	604
Cells Used:	142108	Blank Cells in Used Range:	35671
Array Formulas:	0	Total Sheets:	20
Referencing a Name:	0	Referenced Named Ranges:	0
Referencing Ext. Workbook:	1	Referenced Workbooks:	1

Sheet Statistics (20 Sheets)			
Sheet Name	Protected	Hidden Status	Number of Formulas
Readme	TRUE	Not Hidden	1
Summary	TRUE	Not Hidden	46
Criteria Pollutant Calcs	TRUE	Not Hidden	961
DispTables	TRUE	Not Hidden	0
Criteria Pollutants Summary	TRUE	Not Hidden	58
Emissions	TRUE	Not Hidden	2039
Q_CHI Values	TRUE	Not Hidden	264
Risk Drivers Summary	TRUE	Not Hidden	3813
ToxValues	TRUE	Not Hidden	1739
MPSFactors	TRUE	Not Hidden	686
IHB updates	TRUE	Not Hidden	1
updates	FALSE	Not Hidden	1
Q_CHI Acute drivers	TRUE	Not Hidden	8986
Q_CHI Sub drivers	TRUE	Not Hidden	8962
Q_CHI Chronic drivers	TRUE	Not Hidden	8961
Q_CHI Cancer drivers	TRUE	Not Hidden	8962
Farmer Chronic drivers	TRUE	Not Hidden	8962
Farmer Cancer drivers	TRUE	Not Hidden	8962
Resident Chronic drivers	TRUE	Not Hidden	8962
Resident Cancer drivers	TRUE	Not Hidden	8961

External Workbooks (1 External workbooks)		
Workbook	Formula References	Name References
C:\Old_P_Fo\AQPRJ\TOXTEAM\Airstream\Projects\SAPPI\Sap pi submittals\Q_Chi\Dec 2008\Q_CHI RASS Beta.XLS	1	0

Excel Function Use (10 Functions)			
Formula Name	Times Referenced	Non Array	In Array
IF	69474	69474	0
ISNUMBER	66834	66834	0
AND	64298	64298	0
SUM	2700	2700	0
VLOOKUP	1204	1204	0
ISTEXT	348	348	0
OR	223	223	0
SUMPRODUCT	200	200	0
HLOOKUP	150	150	0
CONCATENATE	2	2	0

Named Ranges (10 Named ranges)		
Name	Times Referenced	Formula
emissions!print_area	0	=Emissions!R1C1:R323C55
mpsfactors!print_area	0	=MPSFactors!R19C1:R48C6
emissions!print_titles	0	=Emissions!C1:C2,Emissions!R1:R11
mpsfactors!print_titles	0	=MPSFactors!R17:R19
'q_chi values'!print_titles	0	=Q_CHI Values!C1
'risk drivers summary'!print_titles	0	=Risk Drivers Summary!C1:C2,'Risk Drivers Summary'!R11:R12

summary!print_titles	0	=Summary!R1:R9
toxvalues!print_titles	0	=ToxValues!R15:R19
print_area	0	
print_titles	0	

**Unique Formulas (604 formulas)**

Formula	Number of Occurrences
=ToxValues!R[1]C[3]	2528
=SUM(RC[-25]:RC[-1])	2528
=IF((RC[26]>0), RC[26], " ")	2525
=ToxValues!RC[2]	1840
=IF(ISNUMBER(RC[1]),(RC[1]^1)," ")	949
=IF(AND(Emissions!R[1]C[4]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[4]*ToxValues!R[1]C22*R14C3*R15C3)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[5]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[5]*ToxValues!R[1]C22*R14C4*R15C4)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[6]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[6]*ToxValues!R[1]C22*R14C5*R15C5)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[7]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[7]*ToxValues!R[1]C22*R14C6*R15C6)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[8]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[8]*ToxValues!R[1]C22*R14C7*R15C7)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[9]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[9]*ToxValues!R[1]C22*R14C8*R15C8)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[10]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[10]*ToxValues!R[1]C22*R14C9*R15C9)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[11]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[11]*ToxValues!R[1]C22*R14C10*R15C10)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[12]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[12]*ToxValues!R[1]C22*R14C11*R15C11)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[13]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[13]*ToxValues!R[1]C22*R14C12*R15C12)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[14]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[14]*ToxValues!R[1]C22*R14C13*R15C13)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[15]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[15]*ToxValues!R[1]C22*R14C14*R15C14)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[16]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[16]*ToxValues!R[1]C22*R14C15*R15C15)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[17]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[17]*ToxValues!R[1]C22*R14C16*R15C16)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[18]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[18]*ToxValues!R[1]C22*R14C17*R15C17)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[19]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[19]*ToxValues!R[1]C22*R14C18*R15C18)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[20]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[20]*ToxValues!R[1]C22*R14C19*R15C19)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[21]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[21]*ToxValues!R[1]C22*R14C20*R15C20)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[22]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[22]*ToxValues!R[1]C22*R14C21*R15C21)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[23]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[23]*ToxValues!R[1]C22*R14C22*R15C22)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[24]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[24]*ToxValues!R[1]C22*R14C23*R15C23)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[25]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[25]*ToxValues!R[1]C22*R14C24*R15C24)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[26]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[26]*ToxValues!R[1]C22*R14C25*R15C25)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[27]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[27]*ToxValues!R[1]C22*R14C26*R15C26)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[28]>0,ISNUMBER(ToxValues!R[1]C22)), ((Emissions!R[1]C[28]*ToxValues!R[1]C22*R14C27*R15C27)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[4]>0,ISNUMBER(ToxValues!R[1]C15)), ((Emissions!R[1]C[4]*ToxValues!R[1]C15*R14C3*R15C3)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[5]>0,ISNUMBER(ToxValues!R[1]C15)), ((Emissions!R[1]C[5]*ToxValues!R[1]C15*R14C4*R15C4)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[6]>0,ISNUMBER(ToxValues!R[1]C15)), ((Emissions!R[1]C[6]*ToxValues!R[1]C15*R14C5*R15C5)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[7]>0,ISNUMBER(ToxValues!R[1]C15)), ((Emissions!R[1]C[7]*ToxValues!R[1]C15*R14C6*R15C6)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[8]>0,ISNUMBER(ToxValues!R[1]C15)), ((Emissions!R[1]C[8]*ToxValues!R[1]C15*R14C7*R15C7)/34.76)," ")	948
=IF(AND(Emissions!R[1]C[9]>0,ISNUMBER(ToxValues!R[1]C15)), ((Emissions!R[1]C[9]*ToxValues!R[1]C15*R14C8*R15C8)/34.76)," ")	948



=IF(AND(Emissions!R[1]C[21]>0,ISNUMBER(ToxValues!R[1]C8)), ((Emissions!R[1]C[21]*ToxValues!R[1]C8*R14C21*R15C21)/7.94), " ")	317
=IF(AND(Emissions!R[1]C[22]>0,ISNUMBER(ToxValues!R[1]C8)), ((Emissions!R[1]C[22]*ToxValues!R[1]C8*R14C22*R15C22)/7.94), " ")	317
=IF(AND(Emissions!R[1]C[23]>0,ISNUMBER(ToxValues!R[1]C8)), ((Emissions!R[1]C[23]*ToxValues!R[1]C8*R14C23*R15C23)/7.94), " ")	317
=IF(AND(Emissions!R[1]C[24]>0,ISNUMBER(ToxValues!R[1]C8)), ((Emissions!R[1]C[24]*ToxValues!R[1]C8*R14C24*R15C24)/7.94), " ")	317
=IF(AND(Emissions!R[1]C[25]>0,ISNUMBER(ToxValues!R[1]C8)), ((Emissions!R[1]C[25]*ToxValues!R[1]C8*R14C25*R15C25)/7.94), " ")	317
=IF(AND(Emissions!R[1]C[26]>0,ISNUMBER(ToxValues!R[1]C8)), ((Emissions!R[1]C[26]*ToxValues!R[1]C8*R14C26*R15C26)/7.94), " ")	317
=IF(AND(Emissions!R[1]C[27]>0,ISNUMBER(ToxValues!R[1]C8)), ((Emissions!R[1]C[27]*ToxValues!R[1]C8*R14C27*R15C27)/7.94), " ")	317
=IF(ISNUMBER(RC[2]),(RC[2]^1)," ")	316
=IF(AND(Emissions!R[1]C[4]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[4]*ToxValues!R[1]C29*R14C3*R15C3)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[5]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[5]*ToxValues!R[1]C29*R14C4*R15C4)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[6]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[6]*ToxValues!R[1]C29*R14C5*R15C5)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[7]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[7]*ToxValues!R[1]C29*R14C6*R15C6)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[8]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[8]*ToxValues!R[1]C29*R14C7*R15C7)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[9]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[9]*ToxValues!R[1]C29*R14C8*R15C8)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[10]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[10]*ToxValues!R[1]C29*R14C9*R15C9)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[11]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[11]*ToxValues!R[1]C29*R14C10*R15C10)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[12]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[12]*ToxValues!R[1]C29*R14C11*R15C11)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[13]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[13]*ToxValues!R[1]C29*R14C12*R15C12)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[14]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[14]*ToxValues!R[1]C29*R14C13*R15C13)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[15]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[15]*ToxValues!R[1]C29*R14C14*R15C14)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[16]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[16]*ToxValues!R[1]C29*R14C15*R15C15)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[17]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[17]*ToxValues!R[1]C29*R14C16*R15C16)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[18]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[18]*ToxValues!R[1]C29*R14C17*R15C17)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[19]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[19]*ToxValues!R[1]C29*R14C18*R15C18)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[20]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[20]*ToxValues!R[1]C29*R14C19*R15C19)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[21]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[21]*ToxValues!R[1]C29*R14C20*R15C20)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[22]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[22]*ToxValues!R[1]C29*R14C21*R15C21)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[23]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[23]*ToxValues!R[1]C29*R14C22*R15C22)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[24]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[24]*ToxValues!R[1]C29*R14C23*R15C23)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[25]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[25]*ToxValues!R[1]C29*R14C24*R15C24)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[26]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[26]*ToxValues!R[1]C29*R14C25*R15C25)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[27]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[27]*ToxValues!R[1]C29*R14C26*R15C26)/34.76), " ")	316
=IF(AND(Emissions!R[1]C[28]>0,ISNUMBER(ToxValues!R[1]C29)), ((Emissions!R[1]C[28]*ToxValues!R[1]C29*R14C27*R15C27)/34.76), " ")	316
=RC[2]+RC[4]+RC[6]+RC[8]+RC[10]+RC[12]+RC[14]+RC[16]+RC[18]+RC[20]+RC[22]+RC[24]+RC[26]+RC[28]+RC[30]+RC[32]+RC[34]+RC[36]+RC[38]+RC[40]+RC[42]+RC[44]+RC[46]+RC[48]+RC[50]	314
=Q_CHI Sub drivers!R[-1]C[-4]	304
=Q_CHI Acute drivers!R[-1]C[-3]	303
=Q_CHI Chronic drivers!R[-1]C[-5]	303
=Q_CHI Cancer drivers!R[-1]C[-6]	303
=Farmer Chronic drivers!R[-1]C[-7]	303
=Farmer Cancer drivers!R[-1]C[-8]	303
=Resident Chronic drivers!R[-1]C[-9]	303
=Resident Cancer drivers!R[-1]C[-10]	303
=IF(AND(RC[12]="",RC[19]="",RC[26]="",RC[33]=""),"","SUR")	301

=SUM(0.00001)/RC[-1]	172
=IF(ISNUMBER(RC[-1]),RC[-1]*34.8,0)	150
=Emissions!R[-1]C[4]	60
=IF(OR(ISTEXT(Emissions!R[-1]C[4]),ISNUMBER(Emissions!R[-1]C[4])),Emissions!R[-1]C[4],"" )	53
=Emissions!R[-1]C	52
=IF(Emissions!R7C6=2869,0,"")	52
=(R342C+R[-4]C)	50
=(R343C+R[-4]C)	50
=IF(ISNUMBER(R[3]C), (R[3]C*1), (" "))	50
=RC[5]+RC[10]+RC[15]+RC[20]+RC[25]+RC[30]+RC[35]+RC[40]+RC[45]+RC[50]+RC[55]+RC[60]+RC[65] +RC[70]+RC[75]+RC[80]+RC[85]+RC[90]+RC[95]+RC[100]+RC[105]+RC[110]+RC[115]+RC[120]+RC[125]	30
=IF(ISNUMBER(R[-16]C), (R[-16]C/R[-8]C), (" "))	30
=IF(Summary!R9C6=2869,ToxValues!RC[2],"" )	26
=IF(ISNUMBER(R[8]C),R[8]C,IF(OR(R[-2]C="",R[-1]C=""),"",HLOOKUP(R13C,DispTables! R2C5:R101C34,R12C+1)))	25
=IF(ISNUMBER(R[8]C),R[8]C,IF(OR(R[-3]C="",R[-2]C=""),"",HLOOKUP(R13C,DispTables! R102C5:R201C34,R12C+1)))	25
=IF(ISNUMBER(R[8]C),R[8]C,IF(OR(R[-4]C="",R[-3]C=""),"",HLOOKUP(R13C,DispTables! R202C5:R301C34,R12C+1)))	25
=IF(ISNUMBER(R[8]C),R[8]C,IF(OR(R[-5]C="",R[-4]C=""),"",HLOOKUP(R13C,DispTables! R302C5:R401C34,R12C+1)))	25
=IF(ISNUMBER(R[8]C),R[8]C,IF(OR(R[-6]C="",R[-5]C=""),"",HLOOKUP(R13C,DispTables! R402C5:R501C34,R12C+1)))	25
=IF(ISNUMBER(R[8]C),R[8]C,IF(OR(R[-7]C="",R[-6]C=""),"",HLOOKUP(R13C,DispTables! R502C5:R601C34,R12C+1)))	25
=IF(ISTEXT(Emissions!R[8]C), (Emissions!R[8]C), " ")	25
=('Q_CHI Values!R[-327]C[-4])/R[-2]C	25
='Q_CHI Values!R[-327]C[-4]/Emissions!R[-3]C	25
=('Q_CHI Values!R[-327]C[-4])/R[-4]C	25
=('Q_CHI Values!R[-327]C[-4])/R[-5]C	25
=('Q_CHI Values!R[-325]C[-4])/R[-6]C	25
=('Q_CHI Values!R[-325]C[-4])/R[-7]C	25
=('Q_CHI Values!R[-323]C[-4])/R[-8]C	25
=('Q_CHI Values!R[-323]C[-4])/R[-9]C	25
=IF(ISTEXT(Emissions!R[-1]C[4]),(Emissions!R[-1]C[4]),(" "))	25
=IF(ISTEXT(Emissions!R[-1]C[4]), (Emissions!R[-1]C[4]), (" "))	25
=SUMPRODUCT(Emissions!R[7]C[4]:R[323]C[4], ToxValues!R20C8:R336C8) * 0.126	25
=SUMPRODUCT(Emissions!R[6]C[4]:R[322]C[4],ToxValues!R20C29:R336C29) / 34.76	25
=SUMPRODUCT(Emissions!R[5]C[4]:R[321]C[4],ToxValues!R20C22:R336C22) / 34.76	25
=SUMPRODUCT(Emissions!R[4]C[4]:R[320]C[4],ToxValues!R20C15:R336C15) / 34.76	25
=SUMPRODUCT(Emissions!R[1]C[4]:R[317]C[4], ToxValues!R20C22:R336C22, MPSFactors! R20C5:R336C5)*0.0287	25
=SUMPRODUCT(Emissions!RC[4]:R[316]C[4],ToxValues!R20C15:R336C15,MPSFactors!R20C6:R336C6) *0.0287	25
=SUMPRODUCT(Emissions!R[-3]C[4]:R[313]C[4],ToxValues!R20C22:R336C22,MPSFactors! R20C3:R336C3) *0.0287	25
=SUMPRODUCT(Emissions!R[-4]C[4]:R[312]C[4],ToxValues!R20C15:R336C15,MPSFactors! R20C4:R336C4)*0.0287	25
=(IF(ISNUMBER(R[3]C), (R[3]C*1), (" ")))	25
=(IF(ISNUMBER(R[3]C),(R[3]C*R[-13]C[2]-5),(" ")))	25
=IF(ISNUMBER(R[2]C),(R[2]C*1),(" "))	25
=IF(ISNUMBER(R[3]C), (R[3]C*0.00001), (" "))	25
=IF(ISNUMBER(R[3]C),(R[3]C*1), (" "))	25
=(IF(ISNUMBER(R[3]C),(R[3]C*0.00001),(" ")))	25
=IF(Summary!R9C6=2869,"NO", "")	19
=Emissions!R[-2]C[3]	14
=IF(Summary!R9C6=2869,RC[2]+RC[4]+RC[6]+RC[8]+RC[10]+RC[12]+RC[14]+RC[16]+RC[18]+RC[20]+RC [22]+RC[24]+RC[26]+RC[28]+RC[30]+RC[32]+RC[34]+RC[36]+RC[38]+RC[40]+RC[42]+RC[44]+RC[46]+RC [48]+RC[50],"" )	13
='Q_CHI Acute drivers!R[-2]C[-3]	13
='Q_CHI Sub drivers!R[-2]C[-4]	13
='Q_CHI Chronic drivers!R[-2]C[-5]	13
='Q_CHI Cancer drivers!R[-2]C[-6]	13
='Farmer Chronic drivers!R[-2]C[-7]	13
='Farmer Cancer drivers!R[-2]C[-8]	13
='Resident Chronic drivers!R[-2]C[-9]	13
='Resident Cancer drivers!R[-2]C[-10]	13
=IF(ISNUMBER(R[-2]C),IF((R[-2]C<R[-1]C),"OK","REFINE"),"" )	12
='Criteria Pollutant Calcs!R[18]C	11
=Summary!RC[1]	11
=Emissions!R[-3]C[3]	8
=IF(ISTEXT(Emissions!R[-3]C[3]),(Emissions!R[-3]C[3]), " ")	8
=Emissions!R[-3]C[4]	8

=IF(ISTEXT(Emissions!R[-3]C[4]),(Emissions!R[-3]C[4]), "")	8
=Emissions!R[-3]C[5]	8
=IF(ISTEXT(Emissions!R[-3]C[5]),(Emissions!R[-3]C[5]), "")	8
=Emissions!R[-3]C[6]	8
=IF(ISTEXT(Emissions!R[-3]C[6]),(Emissions!R[-3]C[6]), "")	8
=Emissions!R[-3]C[7]	8
=IF(ISTEXT(Emissions!R[-3]C[7]),(Emissions!R[-3]C[7]), "")	8
=Emissions!R[-3]C[8]	8
=IF(ISTEXT(Emissions!R[-3]C[8]),(Emissions!R[-3]C[8]), "")	8
=Emissions!R[-3]C[9]	8
=IF(ISTEXT(Emissions!R[-3]C[9]),(Emissions!R[-3]C[9]), "")	8
=Emissions!R[-3]C[10]	8
=IF(ISTEXT(Emissions!R[-3]C[10]),(Emissions!R[-3]C[10]), "")	8
=Emissions!R[-3]C[11]	8
=IF(ISTEXT(Emissions!R[-3]C[11]),(Emissions!R[-3]C[11]), "")	8
=Emissions!R[-3]C[12]	8
=IF(ISTEXT(Emissions!R[-3]C[12]),(Emissions!R[-3]C[12]), "")	8
=Emissions!R[-3]C[13]	8
=IF(ISTEXT(Emissions!R[-3]C[13]),(Emissions!R[-3]C[13]), "")	8
=Emissions!R[-3]C[14]	8
=IF(ISTEXT(Emissions!R[-3]C[14]),(Emissions!R[-3]C[14]), "")	8
=Emissions!R[-3]C[15]	8
=IF(ISTEXT(Emissions!R[-3]C[15]),(Emissions!R[-3]C[15]), "")	8
=Emissions!R[-3]C[16]	8
=IF(ISTEXT(Emissions!R[-3]C[16]),(Emissions!R[-3]C[16]), "")	8
=Emissions!R[-3]C[17]	8
=IF(ISTEXT(Emissions!R[-3]C[17]),(Emissions!R[-3]C[17]), "")	8
=Emissions!R[-3]C[18]	8
=IF(ISTEXT(Emissions!R[-3]C[18]),(Emissions!R[-3]C[18]), "")	8
=Emissions!R[-3]C[19]	8
=IF(ISTEXT(Emissions!R[-3]C[19]),(Emissions!R[-3]C[19]), "")	8
=Emissions!R[-3]C[20]	8
=IF(ISTEXT(Emissions!R[-3]C[20]),(Emissions!R[-3]C[20]), "")	8
=Emissions!R[-3]C[21]	8
=IF(ISTEXT(Emissions!R[-3]C[21]),(Emissions!R[-3]C[21]), "")	8
=Emissions!R[-3]C[22]	8
=IF(ISTEXT(Emissions!R[-3]C[22]),(Emissions!R[-3]C[22]), "")	8
=Emissions!R[-3]C[23]	8
=IF(ISTEXT(Emissions!R[-3]C[23]),(Emissions!R[-3]C[23]), "")	8
=Emissions!R[-3]C[24]	8
=IF(ISTEXT(Emissions!R[-3]C[24]),(Emissions!R[-3]C[24]), "")	8
=Emissions!R[-3]C[25]	8
=IF(ISTEXT(Emissions!R[-3]C[25]),(Emissions!R[-3]C[25]), "")	8
=Emissions!R[-3]C[26]	8
=IF(ISTEXT(Emissions!R[-3]C[26]),(Emissions!R[-3]C[26]), "")	8
=Emissions!R[-3]C[27]	8
=IF(ISTEXT(Emissions!R[-3]C[27]),(Emissions!R[-3]C[27]), "")	8
=IF(OR(ISTEXT(Emissions!R[-2]C),ISNUMBER(Emissions!R[-2]C)),Emissions!R[-2]C,"")	7
=IF(OR(ISTEXT(Emissions!R[-2]C[1]),ISNUMBER(Emissions!R[-2]C[1])),Emissions!R[-2]C[1],"")	7
=IF(Summary!R9C6=2869,"YES","")	7
=IF(AND(ISNUMBER(R[-30]C6),ISNUMBER(R14C3)),R[-30]C6*453.59/3600*R14C3,0)	6
=IF(AND(ISNUMBER(R[-30]C6),ISNUMBER(R15C3)),R[-30]C6*453.59/3600*R15C3,0)	6
=IF(AND(ISNUMBER(R[-30]C6),ISNUMBER(R17C3)),R[-30]C6*453.59/3600*R17C3,0)	6
=IF(AND(ISNUMBER(R[-30]C7),ISNUMBER(R18C3)),R[-30]C7*2000*453.59/8760/3600*R18C3,0)	6
=IF(AND(ISNUMBER(R[-30]C7),ISNUMBER(R19C3)),R[-30]C7*2000*453.59/8760/3600*R19C3,0)	6
=IF(AND(ISNUMBER(R[-30]C8),ISNUMBER(R14C4)),R[-30]C8*453.59/3600*R14C4,0)	6
=IF(AND(ISNUMBER(R[-30]C8),ISNUMBER(R15C4)),R[-30]C8*453.59/3600*R15C4,0)	6
=IF(AND(ISNUMBER(R[-30]C8),ISNUMBER(R17C4)),R[-30]C8*453.59/3600*R17C4,0)	6
=IF(AND(ISNUMBER(R[-30]C9),ISNUMBER(R18C4)),R[-30]C9*2000*453.59/8760/3600*R18C4,0)	6
=IF(AND(ISNUMBER(R[-30]C9),ISNUMBER(R19C4)),R[-30]C9*2000*453.59/8760/3600*R19C4,0)	6
=IF(AND(ISNUMBER(R[-30]C10),ISNUMBER(R14C5)),R[-30]C10*453.59/3600*R14C5,0)	6
=IF(AND(ISNUMBER(R[-30]C10),ISNUMBER(R15C5)),R[-30]C10*453.59/3600*R15C5,0)	6
=IF(AND(ISNUMBER(R[-30]C10),ISNUMBER(R17C5)),R[-30]C10*453.59/3600*R17C5,0)	6
=IF(AND(ISNUMBER(R[-30]C11),ISNUMBER(R18C5)),R[-30]C11*2000*453.59/8760/3600*R18C5,0)	6
=IF(AND(ISNUMBER(R[-30]C11),ISNUMBER(R19C5)),R[-30]C11*2000*453.59/8760/3600*R19C5,0)	6
=IF(AND(ISNUMBER(R[-30]C12),ISNUMBER(R14C6)),R[-30]C12*453.59/3600*R14C6,0)	6
=IF(AND(ISNUMBER(R[-30]C12),ISNUMBER(R15C6)),R[-30]C12*453.59/3600*R15C6,0)	6
=IF(AND(ISNUMBER(R[-30]C12),ISNUMBER(R17C6)),R[-30]C12*453.59/3600*R17C6,0)	6
=IF(AND(ISNUMBER(R[-30]C13),ISNUMBER(R18C6)),R[-30]C13*2000*453.59/8760/3600*R18C6,0)	6
=IF(AND(ISNUMBER(R[-30]C13),ISNUMBER(R19C6)),R[-30]C13*2000*453.59/8760/3600*R19C6,0)	6
=IF(AND(ISNUMBER(R[-30]C14),ISNUMBER(R14C7)),R[-30]C14*453.59/3600*R14C7,0)	6



=IF(AND(ISNUMBER(R[-30]C42),ISNUMBER(R17C21)),R[-30]C42*453.59/3600*R17C21,0)	6
=IF(AND(ISNUMBER(R[-30]C43),ISNUMBER(R18C21)),R[-30]C43*2000*453.59/8760/3600*R18C21,0)	6
=IF(AND(ISNUMBER(R[-30]C43),ISNUMBER(R19C21)),R[-30]C43*2000*453.59/8760/3600*R19C21,0)	6
=IF(AND(ISNUMBER(R[-30]C44),ISNUMBER(R14C22)),R[-30]C44*453.59/3600*R14C22,0)	6
=IF(AND(ISNUMBER(R[-30]C44),ISNUMBER(R15C22)),R[-30]C44*453.59/3600*R15C22,0)	6
=IF(AND(ISNUMBER(R[-30]C44),ISNUMBER(R17C22)),R[-30]C44*453.59/3600*R17C22,0)	6
=IF(AND(ISNUMBER(R[-30]C45),ISNUMBER(R18C22)),R[-30]C45*2000*453.59/8760/3600*R18C22,0)	6
=IF(AND(ISNUMBER(R[-30]C45),ISNUMBER(R19C22)),R[-30]C45*2000*453.59/8760/3600*R19C22,0)	6
=IF(AND(ISNUMBER(R[-30]C46),ISNUMBER(R14C23)),R[-30]C46*453.59/3600*R14C23,0)	6
=IF(AND(ISNUMBER(R[-30]C46),ISNUMBER(R15C23)),R[-30]C46*453.59/3600*R15C23,0)	6
=IF(AND(ISNUMBER(R[-30]C46),ISNUMBER(R17C23)),R[-30]C46*453.59/3600*R17C23,0)	6
=IF(AND(ISNUMBER(R[-30]C47),ISNUMBER(R18C23)),R[-30]C47*2000*453.59/8760/3600*R18C23,0)	6
=IF(AND(ISNUMBER(R[-30]C47),ISNUMBER(R19C23)),R[-30]C47*2000*453.59/8760/3600*R19C23,0)	6
=IF(AND(ISNUMBER(R[-30]C48),ISNUMBER(R14C24)),R[-30]C48*453.59/3600*R14C24,0)	6
=IF(AND(ISNUMBER(R[-30]C48),ISNUMBER(R15C24)),R[-30]C48*453.59/3600*R15C24,0)	6
=IF(AND(ISNUMBER(R[-30]C48),ISNUMBER(R17C24)),R[-30]C48*453.59/3600*R17C24,0)	6
=IF(AND(ISNUMBER(R[-30]C49),ISNUMBER(R18C24)),R[-30]C49*2000*453.59/8760/3600*R18C24,0)	6
=IF(AND(ISNUMBER(R[-30]C49),ISNUMBER(R19C24)),R[-30]C49*2000*453.59/8760/3600*R19C24,0)	6
=IF(AND(ISNUMBER(R[-30]C50),ISNUMBER(R14C25)),R[-30]C50*453.59/3600*R14C25,0)	6
=IF(AND(ISNUMBER(R[-30]C50),ISNUMBER(R15C25)),R[-30]C50*453.59/3600*R15C25,0)	6
=IF(AND(ISNUMBER(R[-30]C50),ISNUMBER(R17C25)),R[-30]C50*453.59/3600*R17C25,0)	6
=IF(AND(ISNUMBER(R[-30]C51),ISNUMBER(R18C25)),R[-30]C51*2000*453.59/8760/3600*R18C25,0)	6
=IF(AND(ISNUMBER(R[-30]C51),ISNUMBER(R19C25)),R[-30]C51*2000*453.59/8760/3600*R19C25,0)	6
=IF(AND(ISNUMBER(R[-30]C52),ISNUMBER(R14C26)),R[-30]C52*453.59/3600*R14C26,0)	6
=IF(AND(ISNUMBER(R[-30]C52),ISNUMBER(R15C26)),R[-30]C52*453.59/3600*R15C26,0)	6
=IF(AND(ISNUMBER(R[-30]C52),ISNUMBER(R17C26)),R[-30]C52*453.59/3600*R17C26,0)	6
=IF(AND(ISNUMBER(R[-30]C53),ISNUMBER(R18C26)),R[-30]C53*2000*453.59/8760/3600*R18C26,0)	6
=IF(AND(ISNUMBER(R[-30]C53),ISNUMBER(R19C26)),R[-30]C53*2000*453.59/8760/3600*R19C26,0)	6
=IF(AND(ISNUMBER(R[-30]C54),ISNUMBER(R14C27)),R[-30]C54*453.59/3600*R14C27,0)	6
=IF(AND(ISNUMBER(R[-30]C54),ISNUMBER(R15C27)),R[-30]C54*453.59/3600*R15C27,0)	6
=IF(AND(ISNUMBER(R[-30]C54),ISNUMBER(R17C27)),R[-30]C54*453.59/3600*R17C27,0)	6
=IF(AND(ISNUMBER(R[-30]C55),ISNUMBER(R18C27)),R[-30]C55*2000*453.59/8760/3600*R18C27,0)	6
=IF(AND(ISNUMBER(R[-30]C55),ISNUMBER(R19C27)),R[-30]C55*2000*453.59/8760/3600*R19C27,0)	6
=IF(OR(ISTEXT(Emissions!R[-1]C[2]),ISNUMBER(Emissions!R[-1]C[2])),Emissions!R[-1]C[2],""))	6
=Q_CHI Values!R[-327]C[-4]	4
=Summary!R[1]C[1]	3
=IF(R[-316]C[6]=2869,ToxValues!RC,"")	3
=IF(Emissions!R[-2]C[-4]="", "<<< Incomplete without SIC Code", "")	2
=IF(AND(ISNUMBER(RC[-6]), ISNUMBER(RC[-4])), RC[-6]+RC[-4], " ")	2
=IF(AND(ISNUMBER(RC[-8]), ISNUMBER(RC[-4])), RC[-8]+RC[-4], " ")	2
=IF(R[-316]C[5]=2869,ToxValues!RC,"")	2
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[3]C[-6]),Q_CHI Acute drivers!R[3]C[-6]>=0.1),"yes","no")	1
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[22]C[-6]),Q_CHI Acute drivers!R[22]C[-6]>=0.1),"yes","no")	1
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[23]C[-6]),Q_CHI Acute drivers!R[23]C[-6]>=0.1),"yes","no")	1
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[32]C[-6]),Q_CHI Acute drivers!R[32]C[-6]>=0.1),"yes","no")	1
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[96]C[-6]),Q_CHI Acute drivers!R[96]C[-6]>=0.1),"yes","no")	1
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[96]C[-6]),Q_CHI Acute drivers!R[1384]C[-6]>=0.1),"yes","no")	1
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[97]C[-6]),Q_CHI Acute drivers!R[97]C[-6]>=0.1),"yes","no")	1
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[156]C[-6]),Q_CHI Acute drivers!R[156]C[-6]>=0.1),"yes","no")	1
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[258]C[-6]),Q_CHI Acute drivers!R[258]C[-6]>=0.1),"yes","no")	1
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[-14]C[-6]),Q_CHI Acute drivers!R[-14]C[-6]>=0.1),"yes","no")	1
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[14]C[-6]),Q_CHI Acute drivers!R[14]C[-6]>=0.1),"yes","no")	1
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[148]C[-6]),Q_CHI Acute drivers!R[148]C[-6]>=0.1),"yes","no")	1
=IF(AND(ISNUMBER(Q_CHI Acute drivers!R[221]C[-6]),Q_CHI Acute drivers!R[221]C[-6]>=0.1),"yes","no")	1
=IF(AND(R[2]C[-4]=2869,Emissions!R[332]C[-5]=0),"Please enter ethanol industry specific emissions ", "")	1
=IF(AND(R[1]C[-5]=2869,Emissions!R[331]C[-6]=0),"(bottom of Emissions worksheet)", "")	1
=IF(AND(R[2]C[-5]=2869,Emissions!R[332]C[-5]=0),"Please enter ethanol industry specific emissions ", "")	1
=IF(AND(R[1]C[-6]=2869,Emissions!R[331]C[-6]=0),"(bottom of Emissions worksheet)", "")	1
=IF(Emissions!RC[4]="", "Incomplete without SIC Code>>>", "")	1
=CONCATENATE(ToxValues!RC[2], "")	1
=R[-221]C	1
=IF(AND(RC[-4]=2869,R[332]C[-5]=0),"Please enter ethanol industry specific emissions ", "")	1
=C:\Oid_P_FoAQPR\JT OXTEAM\Airstream\Projects\SAPPI\Sappi submittals\Q_Chi\Dec 2008\Q_CHI RASS Beta.XLS\Emissions!R[-1]C[1]	1
=IF(R[-316]C[6]=2869,ToxValues!R[-1]C,"")	1
=CONCATENATE(ToxValues!RC[2])	1
=Q_CHI Acute drivers!RC[-3]	1
=Q_CHI Chronic drivers!RC[-5]	1
=Q_CHI Cancer drivers!RC[-6]	1
=Farmer Chronic drivers!RC[-7]	1
=Farmer Cancer drivers!RC[-8]	1







=IF(ISNUMBER(1/Emissions!R[330]C[28]), 1/Emissions!R[330]C[28], "")

1