

Lawrence Berkeley National Laboratory

Recent Work

Title

Healthy Efficient New Gas Homes (HENGH) Field Study Protocol:

Permalink

<https://escholarship.org/uc/item/3dw4q1t7>

Authors

Chan, Wanyu R.
Kim, Yang-Seon
Singer, Brett C.
[et al.](#)

Publication Date

2016-06-01



ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY

Healthy Efficient New Gas Homes (HENGH) Field Study Protocol

Wanyu R. Chan, Yang-Seon Kim, Brett C. Singer, Iain
S. Walker and Max H. Sherman

Environmental Technologies Area

June 2016



Disclaimer

This document was prepared as an account of work sponsored by the United States Government. While this document is believed to contain correct information, neither the United States Government nor any agency thereof, nor The Regents of the University of California, nor any of their employees, makes any warranty, express or implied, or assumes any legal responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by its trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or The Regents of the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof or The Regents of the University of California.

Acknowledgements

This work was supported by the Building Technologies Office of the U.S. Department of Energy under Contract No. DE-AC02-05CH11231.

Healthy Efficient New Gas Homes (HENGH) Field Study Protocol "

"

"

Y cp{wT0Ej cp.'I cpi /Ugqp'Mko .'Dtgw'E0Upi gt.'Kkp"U0Y cmgt"cpf'O cz"J 0Uj gto cp"

"

"

"

Tgukf gpvkn'Dwrf kpi "U{uwo "I tqw "
Ncy tgpeg'Dgtngg{ "P cvkqpcn'Ncdqtcvqt {"
Lxpg."4238"

Table of Contents

Healthy Efficient New Gas Homes (HENGH) Field Study Protocol	5"
A. Consent Forms	11"
<i>Study Consent Form</i>	11"
<i>Consent to Ventilation Changes</i>	18"
<i>Record of Incentive Payment</i>	21"
B. Walk Through / Mechanical Ventilation System Checklist	22"
C. Preparation of IAQ Instruments and Activity Sensors	30"
<i>Pre-Visit Check of PM Instruments</i>	30"
<i>Pre-Visit Check of CO2 Instruments</i>	33"
<i>Pre-Visit Check of NO2 Instrument</i>	35"
<i>Pre-Visit Check of Formaldehyde Instruments</i>	37"
<i>Pre-Visit Check of Data Loggers</i>	38"
<i>Pre-Visit Check of Passive Samples</i>	42"
D. Occupancy and Indoor Activities Data Log	44"
E. Welcome to the 2015 California New Homes Survey!	48"
F. Setup IAQ Instruments and Activity Sensors	56"
<i>Setup of Outdoor PM Instruments</i>	56"
<i>Side-by-Side Comparison of Outdoor and Indoor PM Instruments</i>	58"
<i>Range Hood Use Data Logging</i>	59"
<i>Cooktop Use Data Logging</i>	61"
<i>Gas Fireplace Use Data Logging</i>	63"
<i>Clothes Dryer Use Data Logging</i>	64"
<i>Exhaust Fan Use Data Logging</i>	67"
<i>Supply Air Intake Data Logging</i>	71"
<i>Central Forced Air Use Data Logging</i>	73"
<i>Door Using State Data Logging</i>	75"
<i>Setup of Indoor Air Quality Monitoring Station</i>	77"
<i>Setup of Indoor Air Quality Monitoring Station in Master Bedroom</i>	80"
<i>Setup of CO2 Instruments in Bedrooms</i>	82"
<i>Start of Passive Sampling</i>	84"
G. Telephone script to answer questions during one-week sampling period	87"
H. Gathering of Equipment	88"
<i>End of Passive Sampling</i>	88"
<i>Collection of Indoor Air Quality Instruments</i>	91"
<i>Collection of Activity Sensors</i>	92"
I. Check Lists	94"
<i>List of Photos to Take</i>	94"
<i>List of Things to mark on Floor Plan</i>	99"
J. Conduct Diagnostic Tests	102"

<i>DeltaQ Test</i>	102"
<i>Exhaust Fan Airflow Testing</i>	111"
<i>Range Hood Airflow Testing</i>	113"
<i>Supply Fan Airflow Testing</i>	118"
<i>Clothes Dryer Airflow Testing</i>	120"
K. Post-Visit Data Processing	122"
<i>Prepare and Send Samples to LBNL</i>	122"
<i>Data Download Checklist</i>	123"

"
"
"
"

List of Figures

Hki wtg"3"O gvQpg"GU/864"qp"vj g"tkr qf	56"
---	-----

Hki wtg"4"Qpgugv'f cve'hqi i gt	57"
Hki wtg"5"Tpici g'j qqf 'f guetkr v'kqp	59"
Hki wtg"6"Fi ki k'Ugpug' Cpgo qo g'vgt 'vq'vj g'tcpi g'j qqf	60"
Hki wtg"7"kdwwqp'r r'cegf 'qp'vj g'eqqmqr	61"
Hki wtg"8"Xgpv'uv'ng	63"
Hki wtg"9"Qpugv'r nvi 'h'qcf 'f cve'hqi i gt	64"
Hki wtg": "Qpugv'gpenqugf 'vgo r gtcwtgltgrv'kxg'j wo kf kv' 'f cve'hqi i gt 'vq'vj g'gzj cwuv'hcp'i t'knng	67"
Hki wtg'; "Fi ki k'ugpug' Cpgo qo g'vgt 'y kj 'l kr /v'g'vq'gzj cwuv'hcp'i t'knng	68"
Hki wtg"32"Zco r ng'qh'vj g'emugwr 'r j qvq'qh'gzj cwuv'hcp'eqpvtqngt	68"
Hki wtg"33"Zco r ng'qh'vj g'r j qvq'qh'gzj cwuv'hcp'y kj 'vj g'Fi ki k'Ugpug' Cpgo qo g'vgt	68"
Hki wtg"34"Qpugv'o qvqt 'qp'qh'f cve'hqi i gt	69"
Hki wtg"35"Zco r ng'qh'vj g'o qvqt 'qp'qh'f cve'hqi i gt 'cwcej 'vq'vj g'gzj cwuv'hcp'dqf {	69"
Hki wtg"36"Qpugv'o qvqt 'qp'qh'f cve'hqi i gt	71"
Hki wtg"37"Qpugv'vgo r gtcwtgltgrv'kxg'j wo kf kv' 'f cve'hqi i gt	73"
Hki wtg"38"Zco r ng'qh'vj g'vgo r gtcwtgltgrv'kxg'j wo kf kv' 'f cve'hqi i gt 'cwcej 'vq'vj g'uvr r n' 'ekt' i t'knng	73"
Hki wtg"39"Qpugv'uv'v'g'f cve'hqi i gt	75"
Hki wtg"3: "Zco r ng'qh'vj g'f cve'hqi i gt 'cwcej 'vq'vj g'f qqt	75"
Hki wtg"3; "Zco r ng'qh'r j qvq'qh'vj g'f cve'hqi i gt 'cwcej 'vq'vj g'f qqt	76"
Hki wtg"42"Uj kp { g'k'hto c'f g'j { f g'lp'utwo gpv	78"
Hki wtg"43"RO "40"e { em'pg	79"
Hki wtg"44"Uj kp { g'k'hto c'f g'j { f g'lp'utwo gpv	81"
Hki wtg"45"Qi cy c'P Qz lP Q4'uco r ng't'cpf 'vj g'uco r r'kpi 'ecr	84"
Hki wtg"46"WO Gz 'h'qto c'f g'j { f g'r cu'kxg'uco r ng't	84"
Hki wtg"47"WO Gz 'h'qto c'f g'j { f g'r cu'kxg'uco r ng't 'cv'uvqr 'uco r r'kpi 'r qu'k'k'qp	88"
Hki wtg"48"FI 922'eqppge'v'g'f 'vq'WUD	102"
Hki wtg"49"FI 922'eqppge'v'g'f 'y kj '3: 'lp'0'icem'v'q'dn'y gt 'f qqt 'eqpvtqngt	102"
Hki wtg"4: "J qu'gu'h'qt'dn'y gt 'f qqt	103"
Hki wtg"4; "V'v'dgu'eqppge'v'k'p'v'q'vj g'FI 922	103"
Hki wtg"52"Zco r ng'qh'V'eqppge'v'k'p'd'gwy ggp'w'dgu'cpf 'vj g'FI 922	104"
Hki wtg"53"Qxgtcm'g'zr g'tlo g'pvc'n'ug'v'k'pi 'y kj 'w'dgu'cpf 'vj g'FI 922	104"
Hki wtg"54"Fi gncS 'u'q'h'y ctg'lp'uc'm'v'k'p	105"
Hki wtg"55"U'ct'v'vj g'F gncS 'u'q'h'y ctg	105"
Hki wtg"56"U'g'wr 'vj g'F gncS 'u'q'h'y ctg	106"
Hki wtg"57"U'ecp'h'qt'r q't'v'lf g'x'k'eg'u'cv'vj g'F gncS 'u'q'h'y ctg	106"
Hki wtg"58"U'ecp'vj g'FI 922'cv'vj g'F gncS 'u'q'h'y ctg	107"
Hki wtg"59"U'g'ge'v'vj g'FI 922'cv'vj g'F gncS 'u'q'h'y ctg	107"
Hki wtg"5: "U'cxg'vj g'eq'p'h'i w'c'v'k'p'ug'v'k'pi 'h'qt'vj g'FI 922'cv'vj g'F gncS 'u'q'h'y ctg	108"
Hki wtg"5; "Zco r ng'qh'vj g'r j qvq'qh'vj g'h'cp'ug'v'k'pi	113"
Hki wtg"62"Zco r ng'qh'vj g'F v'ev'D'ru'v'gt'h'cp	114"
Hki wtg"63"Zco r ng'qh'cw'cej g'f 'h'rgz 'f v'ev'v'q'ecr w'tg'd'qz	115"
Hki wtg"65"Vy q'v'f r gu'qh'v'f r k'ec'n'c'v'k'p'uc'm'v'k'p	118"
Hki wtg"66"Co r r'k'h'y 'ug'pu'qt'ec'r'k'd't'c'v'k'p'ew'xg	119"
Hki wtg"67"Zco r ng'qh'cf l'w'v'ng'f 'vj g'h'rgz 'f v'ev'v'q'vj g'F v'ev'D'ru'v'gt'h'cp	120"
"	

Healthy Efficient New Gas Homes (HENGH) Field Study Protocol

"

Tgukf gpvkcnDwkrf kpi "U{uvgo "I tqwr "
Ncy tgepeg"Dgtngrg{ "P cvkqpcnNcdqtcvqt{ "
Cr tkid3."4238"

"

Vj ku'hkgrf "r tqvqqrnf guetkdg'u'j g'f gvcklr tqegf wtgu'ht "eqmgev kpi "kpf qqt'ck'ts wcrk'f."o ge'j cplecni' xgpvkrv'kqp."cpf 'tgrv'gf 'r ctco gvgtu'k'p"322"qee'w k'gf "Ecrk'htp'k'c"j qo gu'v'j cv'y g'g'dwkn'v'q"422: "Vkrng" 46"uc'p'f c'tf u0Vj g'r tqvqqrnc'nu'q'k'pen'w'f gu'r tqegf wtgu'ht'v'j g'hkgrf "v'gco "v'q'r tgr ctg'ht'v'j g'k'p'j qo g" xkuku."cpf 'h'q'ny'w'v' 'y q'n'v'q'dg'r g'htqto g'f "d{ "v'j g'hkgrf "v'gco ."u'we'j "cu'w'v' r'q'f k'pi "f'c'v'c'p'f "u'g'p'f k'pi " uco r'ngu'v'q'NDP N'ht'v'ej go k'c'ni'c'p'c'ni'uku0"

"

Vj g'hkgrf "v'gco ."h'g'f "d{ "I cu'V'ge'j p'q'ni { "k'p'uv'kw'g"RI VK'."o c{ "x'k'uk'v'c'j" qo g'w'v'v'q'v'j tgg'v'ko gu0I VK' y k'n'eq'q't'f k'p'c'v'g'v'j g'k'p'j qo g'x'k'uku'y k'j "i cu'w'kr'k'v'f "u'c'h'i'v'ht'qo "R'c'el'k'ie"i cu'f("G'g'ev'k'e"RI (G'+"c'p'f " U'q'w'j g'tp'E'c'ri'k'ht'p'k'c"i cu'E'qo r'c'p{ "U'q'E'c'ni cu'0I VK'y k'n'f guetkdg'v'j g'v'ue'q'r g'q'h'v'j g'u'w'f { ."t'k'u'u." c'p'f "h'k'p'c'p'ek'ni'k'p'eg'p'v'x'gu'v'q'r'c't'v'ek'r'c'p'u'd{ "i q'k'pi "q'x'g't'v'j g'eq'p'ug'p'v'ht'qto "q'p'v'j g'r'j q'p'g'0C'ht'g'v'j cv'c" i cu'w'kr'k'v'f "u'c'h'i'y k'n'v'ue'j g'f w'g'v'j g'h'k'uv'x'k'uk'v'y k'j "v'j g'u'w'f { "r'c't'v'ek'r'c'p'v'0R't'k'q't'v'q'v'j g'h'k'uv'x'k'uk'v'."i VK' y k'n'l'p'h'q'to "u'w'f { "r'c't'v'ek'r'c'p'u'q'p"j q'y "o c'p{ "h'kgrf "x'kuku'v'q'g'z'r'g'ev'c'p'f "y'j'g'p'0""

"

(1) Pre-Visit Preparation

"

*c+ Cu'go d'ng'k'p'ht'o c'v'k'q'p'c'd'q'w'v'j g'u'w'f { "j" qo g"

*k+ Eq'p'v'ev'l'p'ht'o c'v'k'q'p'q'h'u'w'f { "r'c't'v'ek'r'c'p'v"

*k+ T'ge'q't'f "q'h'eq'p'ug'p'v'eq'p'x'g't'uc'v'k'q'p"p'co g'q'h'u'w'f { "r'c't'v'ek'r'c'p'v'c'p'f "f'c'v'g'q'h' eq'p'x'g't'uc'v'k'q'p+"

*k+ R't'k'p'v'ht'q't'v' r'p'q'h'j' q'w'ug'v'o w'kr'ng'eq'r'k'gu."k'p'en'w'f'g'o k't'q't'k'o'c'i'g'ht'" eq'p'x'g'p'k'g'peg+"

"

*d+ Cu'go d'ng'ht'o u'c'p'f "g's'v'k'r'o'g'p'v"

*k+ U'w'f { "Eq'p'ug'p'v'ht'o "c'p'f "Eq'p'ug'p'v'q'X'g'p'v'k'v'k'q'p'E'j'c'p'i'g'u"

*k+ Eco'g'tc."p'q'v'r'c'f."c'p'f "o k'ue'0'uv'r'ng'u"p'g'g'f'g'f "h'q't'i'cu'c'r'r'k'c'p'eg'v'c'h'g'v'f "v'gu" c'p'f "y'c'm'v'j't'q'w'i'j "

*k+ N'c'f'f'g't."e'ng'v'j'k'w'v' "v'q'r'v'q'v'g'ev'ht'q't'k'pi ."r't'g'r'c't'g'v'q'c'ee'g'u'c'w'k'e"

"

(2) Gas Appliance Safety Test / Walk-Through

"

*c+ C'I VK'RI (G'I"U'q'E'c'ni cu't'g'ug'c'tej g't'y k'n'k'f'g'p'v'k'h{ "v'j g'u'w'f { "r'c't'v'ek'r'c'p'v'y k'j " y'j qo "I VK'j cu'j'c'f "v'j g'eq'p'ug'p'v'eq'p'x'g't'uc'v'k'q'p'0Vj k'u't'g'ug'c'tej g't'y k'n'k'f'q'v'j't'q'w'i'j "v'j g" U'w'f { "Eq'p'ug'p'v'ht'o."y'k'j "v'j g'u'w'f { "r'c't'v'ek'r'c'p'v'0U'w'f { "r'c't'v'ek'r'c'p'v'y k'n'k'f'p'v'q' " eq'r'k'gu'q'h'v'j g'ht'o ."q'p'g'eq'r { "v'q't'g'w't'p'v'q't'g'ug'c'tej g't."c'p'f "v'j g'q'v'j g't'eq'r { "v'q'ng'g'r " h'q't'v'g'ht'g'peg'0"

"

*d+ Vj g'tgugctej gt'y km'cun'ij g'uwwf { 'r ctvlekr cpv'kh'ij gtg'ctg'r qv'pvcn'ij c| ctf u'qt"
qvj gt'y ctpkpi u'*g0 0'r gwu." { qwpi 'ej kf tgp. 'hcwm' { 'gngextle' q'wngv+'v'j cv'ij g'hkgrf "
vgo 'uj qwf "dg'cy ctg'qh'y j gp'y qtnkpi 'lp'ij g'j qo g0"

"

*e+ Vj g'tgugctej gt'y km'g'zr nclp'ij g'ueqr g'qh'i cu'cr r rncpeg'uchgv' 'vguv'*PI CV+'v'ij g"
uwwf { 'r ctvlekr cpv0"

"

*f+ I cu'ugtxleg'v'gej plekcp'y km'r gthqto "PI CV0"

*k- Rtqxkf g'uwwf { 'r ctvlekr cpv'y kj 'P qvleg'qh'Wpuc'v'k'cevt { 'Eqpf k'k'qpu'kh'
cr r rncdrg0

*kk- GPF 'QH'UVWF ['kh'j qo g'hqwpf "v'dg'wpuchg'v'y qtm'lp. "qt 'kh'ij gtg'ctg"
eqpf k'k'qpu'ij cv'y km'tgs wkt'g'c'hqmy /w' 'xkuk'v'q'tgr ckt0Vj g'tgugctej gt"
y km'g'zr nclp'v'ij g'uwwf { 'r ctvlekr cpv'ij cv'ij gk'r ctvlekr cv'k'p'y km'g'p'0
Uwwf { 'r ctvlekr cpv'y km'tgegk'g'&70V'y q'eqr k'g'u'qh'ij g'Tgeqtf "qh'k'p'eg'v'k'g"
Rc{o g'p'y kj "dg'uki pgf "d { 'v'ij g'uwwf { 'r ctvlekr cpv'cpf 'v'ij g'tgugctej gt. "qpg"
eqr { 'v'q'tgwtp'v'q'tgugctej gt. "cpf 'v'ij g'qv'ij gt'eqr { 'v'q'h'ggr 'hqt'tghgt'p'eg0

"

*g+ Hqmy "Y cmi'Vj tqwi j "cpf "O gej cplecn'Xgp'v'k'v'k'p"U{ ugo "Ej gemku0Vj g"
tgugctej gt'y km'g'zr nclp'v'ij g'uwwf { 'r ctvlekr cpv'ij cv'ij g'y km'o cng'q'dugt'x'v'k'p'u'v'cng"
pqvg'qh'h'qec'v'k'p. "o cng'bo qf gn'cpf "eqpf k'k'qpu'+cpf "cng'r j qv'q'qh'ij g'gs wkr o g'p'v'I"
cr r rncpegu'v'ugg'cnuq "Nku'v'q'h'Rj q'v'q'u'v'q"Vcng+0Vj g'tgugctej gt'y km'cun'uwwf { "
r ctvlekr cpv'ht'wgt'o cpwcu'qh'ij g'gs wkr o g'p'v'I'cr r rncpegu. "cpf "cng'r j qv'q'qh'
ij go "kh'c'x'c'k'c'drg0"

"

*h+ Vj g'tgugctej gt'y km'eqpf wev'c'y cmi'ij tqwi j 'y kj 'ij g'uwwf { 'r ctvlekr cpv'v'q'kf gp'v'kh { "
ij g'h'qec'v'k'p'u'qh'ij g'cdq'x'g'gs wkr o g'p'v'I'cr r rncpegu0F wtkpi 'ij g'y cmi'ij tqwi j . 'ij g"
tgugctej gt'y km'

*k- K gp'v'kh { "u'w'k'c'drg'h'qec'v'k'p'u'ht'r rnc'kpi 'ij g'ICS 'lp'ut'wo g'p'v'lp'ij g'o c'k'p"
r'k'k'pi 'ur'ceg. "o cu'vgt'dgf tqgo . "cpf "q'w'f qqt0

*kk- Gzr nclp'v'ij g'uwwf { 'r ctvlekr cpv'ij g'r rnc'ego g'p'v'q'h'ug'p'q'ut'u'v'q'o q'p'k'q't "wug'qh"
eqq'm'qr "cpf "q'x'gp. "h't'gr rnc'eg. "t'cpi g'j q'q'f . "en'q'ij gu'f't { gt. "gzj cw'v'h'cp. "cpf "
eg'p't'c'n'h'q'tegf "ck"u{ ugo 0

*kk- Gzr nclp'v'ij g'uwwf { 'r ctvlekr cpv'ij cv'qr g'k'p'ij l'eq'k'p'ij "qh'f'q'q't "ht'qo "j q'w'ug'v'q"
i'c't'c'i g'cpf "r cv'k'q'f'q'q't *u+y km'd'g"o q'p'k'q't'g'f 0

*kx+ Gzr nclp'v'ij g'uwwf { 'r ctvlekr cpv'ij cv'ij g'hqmy kpi 'uj q'w'f "p'q'v'd'g'w'ug'f "f wtkpi "
ij g'q'p'g'y g'g'n'bo q'p'k'q't'k'p'ij "r g't'k'q'f <y l'p'f'q'y u. 'y j q'ng'j q'w'ug'h'cp. "cp { "
w'p'x'g'p'g'f "eqo d'w'v'k'p'cr r rnc'pegu0"

"

*i+ Vj g'tgugctej gt'y km'eq'p'ht'o 'ij cv'gu'g'p'v'k'n'eqo r q'p'g'p'u'qh'ij g'bo gej cplecn'
x'g'p'v'k'v'k'p'u{ ugo "ctg'qr g't'c'v'k'p'v'ij hqmy "Y cmi'Vj tqwi j "cpf "O gej cplecn'
Xgp'v'k'v'k'p"U{ ugo "Ej gemku+0

*k- K'p'gegu'ct { . 'f'k'ue'w'u'cpf "q'd'v'k'p'uwwf { 'r ctvlekr cp'v'u'cr r t'q'x'c'n'w'k'p'ij "
Eq'p'ug'p'v'q'Xgp'v'k'v'k'p'Ej c'p'i'gu'ht'cp { 'ej c'p'i'gu'v'ij cv'p'g'g'f "v'd'g"o c'f'g"
f'wtkpi 'ij g'q'p'g'y g'g'n'bo q'p'k'q't'k'p'ij "r g't'k'q'f "g0 0"gzj cw'v'h'cp'ij cv'ij cu'd'g'g'p"

wtpgf "qhh'y kn'pbgf "vq'dg"qp-0C un'uwwf { 'r ct v'ekr cpv'vq'uki p'vy q'eqr lgu'qh' y j g'hqto . 'cpf 'i kxg'qpg'eqr { 'hqt'vj g'uwwf { 'r ct v'ekr cpv'vq'nggr 0"

*k+ GP F "QHUVWF ['kh'o gej cpl'ecri'xgp'vkr'v'kqp'u{ ugo 'ku'kpqr gtc'drg. 'qt'kh' uwwf { 'r ct v'ekr cpv'y kn'p'q'v'ci tgg'vq'vj g'p'geguuct { 'ej cpi g'u't'gs wkt gf 0Vj g" t'gugctej gt'y kn'g'zr m'kp'vq'vj g'uwwf { 'r ct v'ekr cpv'vj cv'vj gkt 'r ct v'ekr cv'kqp" y kn'g'pf 0Uwwf { 'r ct v'ekr cpv'y kn't'ge'g'kxg"&970Vy q'eqr lgu'qh'vj g'T'ge'q'f' "qh' K'eg'p'v'kxg'Rc { o gpv'y kj 'dg'uki pgf "d { 'vj g'uwwf { 'r ct v'ekr cpv'cpf "vj g" t'gugctej gt. 'qpg'eqr { 'vq't'gwtp'vq't'gugctej gt. 'cpf 'vj g'q'v'j gt'eqr { 'vq'nggr " hqt't'ghgt'gpeg0

"

*j+ Vj g't'gugctej gt'y kn'o cng'c'h'qqt'r'ncp'ungvej "qh'vj g'j q'wug'*ugg'cnuq'N'ku'v'qh'Vj kpi u' vq'o ctn'q'p'H'qqt'R'ncp-0'

"

*k+ Vj g't'gugctej gt'y kn'leq'ph'kto 'y j gp'vj g'p'gz'v'x'kuk'y kn'le'q'ewt'kh'k'j cu'dggp'r't'g/ ctt'cpi gf. 'qt'g'zr m'kp'vq'vj g'uwwf { 'r ct v'ekr cpv'vj cv'ulj g'y kn'd'g'eq'p'ce'vgf "vq'ctt'cpi g" vj g'p'gz'v'x'kuk'y kj kp'5'f'c { u0"

(3) Preparation of IAQ Instruments and Activity Sensors

"

*c+ Ej gem'ecr'k'dt'evg. 'cpf 'r t'gr ct'g'ICS 'k'put wo gpw'cpf 'ce'v'k'k'v' { 'ugpuqtu'c'h'gy 'f'c { u' r'k'qt'vq'vj g'q'pg/y ggm'o q'p'k'q't'k'pi 'r'g't'k'f'0'

- *k+ Hq'm'y "Rt'g/X'kuk'Vj gem'qh'RO "k'put wo gpw"
- *k+ Hq'm'y "Rt'g/X'kuk'Vj gem'qh'E'Q4 "k'put wo gpw"
- *k+ Hq'm'y "Rt'g/X'kuk'Vj gem'qh'P'Q4 "k'put wo gpw"
- *k+ Hq'm'y "Rt'g/X'kuk'Vj gem'qh'Hq'to c'nf'g'j { f'g' "k'put wo gpw"
- *x+ Hq'm'y "Rt'g/X'kuk'Vj gem'qh'F'c'v'N'qi i'gtu"
- *x+ Hq'm'y "Rt'g/X'kuk'Vj gem'qh'R'cu'k'x'g'U'co r'ngtu"

(4) Setup IAQ Instruments and Activity Sensors

"

*c+ C't'gugctej gt'y kn'leq'ph'kto 'y kj 'vj g'uwwf { 'r ct v'ekr cpv'v'q'ec'v'k'p'u'qh'y j g't'g'c'k's'w'k'v' { 'k'put wo gpw'y kn'd'g'r'nc'eg'0'

- *k+ Q'w'f'q'q't"
- *k+ O'c'k'p'f'q'q't'r'k'k'p'i 'ur'c'eg'*'g'0'0'r'k'k'p'i . 'f'k'p'k'p'i . 'qt'i' t'g'c'v't'q'q'o '+'
- *k+ O'c'w'g't'd'g'f't'q'q'o "
- *k+ Q'v'j'g't'd'g'f't'q'q'o u'*'w' "vq'5+'"

"

*d+ C't'gugctej gt'y kn'j' c'p'f' 'vj g'h'q'm'y k'pi 'h'q'to u'vq'uwwf { 'r ct v'ekr cpv'v'

- *k+ Q'ee'w'c'p'e { 'c'p'f' "k'p'f'q'q't' 'C'e'v'k'k'k'g'u'F'c'v'N'qi' ""
- *k+ 4237' 'E'c'r'k'h'q't'p'k' 'P'g'y 'J' q'o'g'u'U'w't'x'g'f' "

"

*e+ T'gugctej gt'u'y kn'k'f' g'p'v'k'h' { 'c'p'q'w'f'q'q't' 'r'q'ec'v'k'p' 'c'p'f' 'u'g'v'w'r' 'q'w'f'q'q't' 'c'k's'w'k'v' { 'k'put wo gpw'0'

- *k+ Hq'm'y "U'g'w'r' 'q'h'Q'w'f'q'q't' 'RO "k'put wo gpw"

*k+ Hqmry "Uk g/d{/Uk g'Ego r ctkup"qh'Owf qqt'cpf'Kpf qqt'RO'Kput wo gpw"

"

*f+ Tgugctej gtu'y kn'kpuvcm'y g'hqmry kpi 'ugpuqtu'v'o qpkqt'y g'wug'qh'i cu'
cr r rkcpegu'cpf 'o gej cplecni'xgpv'k'v'ap<

*k+ Hqmry "Tcpi g'J qqf'Wug'F cvc'Nqi i kpi '"

*k+ Hqmry "Eqqmqr'Wug'F cvc'Nqi i kpi '"

*k+ Hqmry "I cu'Hkt gr rceg'Wug'F cvc'Nqi i kpi "

*kk+ Hqmry "Emvj gu'F t {gt'Wug'F cvc'Nqi i kpi "

*kx+ Hqmry "Gzj cwuv'Hcp'Wug'F cvc'Nqi i kpi "

*x+ Hqmry "Uwr r n' 'Ck'Kpvcng'F cvc'Nqi i kpi "

*xk+ Hqmry "Egpt'cn'Hqtegf' 'Ck'Wug'F cvc'Nqi i kpi "

*xkk+ Hqmry "F qqt'Wukpi'Ucv'g'F cvc'Nqi i kpi "

"

*g+ Tgugctej gtu'y kn'r w'MGGR'Y R F QY U'ENQUGF 'ncdgn'qp'cm'wugcdng'y kpf qy u'
v'q'tgo kpf 'uwwf { 'r ct v'ekr cpw'v'q'nggr 'y kpf qy u'emugf 'f wtkpi 'y g'qpg/y ggn'
o qpkqt'kpi 'r g'kqf 0'

"

*h+ Tgugctej gtu'y kn'kf gpv'h' 'c'lw'kcdng'iqecv'k'p'v'y g'o c'k'p'ix'kpi 'ur ceg'cpf 'ugv'w' "
kpf qqt'c'k's wcrk'v' 'kput wo gpw'hqmry kpi "Ugwr'qh'Kpf qqt' 'Ck'S wcrk'v' 'O qpkqt'kpi "
Ucv'k'p0'

"

*i+ Tgugctej gtu'y kn'kf gpv'h' 'c'lw'kcdng'iqecv'k'p'o cuvgt'dgf tqgo 'cpf'ugv'w' 'kpf qqt'
c'k's wcrk'v' 'kput wo gpw'hqmry kpi "Ugwr'qh'Kpf qqt' 'Ck'S wcrk'v' 'O qpkqt'kpi "
Ucv'k'p0'

"

*j+ Tgugctej gtu'y kn'kpuvcm'E Q4'ugpuqtu'k'p'q'v' gt'dgf tqgo u'*w' 'v'q'5+' "

*k+ Hqmry "Ugwr'qh'E Q4'Kput wo gpw'k'p'Dgf tqgo u'

"

*k+ **K'v'o g'r gto ku.'dgi k'v'q' (7) Conduct Diagnostic Tests0'**

"

*l+ Tgugctej gtu'y kn'ugwr 'r cuuk'g'uco r ngu'hqmry kpi "Uctv'qh'Rcuuk'g'Uco r r kpi 0'

"

*m+ C'tgugctej gt'y kn'eqph'kto 'y k'j 'y g'uwwf { 'r ct v'ekr cpv'v'j g'v'o g'y j gp'y g'h'grf 'v'gco "
y kn'tgwtp'k'p'qpg'y ggn'v'q'eqmge'v'k'p'v'w' g'pw'OGzr r'ek'p'v'q'uwwf { 'r ct v'ekr cpv'v'j cv'
ulj g'y kn'dg'eqp'cevgf 'k'p'cr r tqz'ko cvgn' { '5'f c { u'v'q'ugg'k'h'o qpkqt'kpi 'ku'i qkpi 'cu'
r r'pppgf 0'Uwwf { 'r ct v'ekr cpv'ecp'cnuq'eqp'cev't'gugctej gt '*g'k'j gt 'h'grf 'v'gco 'qt'
NDP N+'c'v'cp { v'o g'h'qt's v'guk'qpu0'

"

(5) Mid-Week Check

"

*c+ C'tgugctej gt'y kn'ecm'uwwf { 'r ct v'ekr cpv'5'f c { u'ch'gt 'y g'KCS 'kput wo gpw'
k'p'w'c'v'k'p'hqmry kpi "Vgrgr j qpg'Uet'k'v'q' 'Cpuy gt 'S v'guk'qpu'F wtkpi 'Qpg/Y ggn'
Uco r r kpi 'Ret'k'qf 0'

*k+ Cpuy gt'cp { 's v'guk'qpu'v'j cv'v'j g'uwwf { 'r ct v'ekr cpv'o c { 'j cxg'

- *k+ P qv'kh'cp { 'r qy gt 'kpvtw vqp'j cf "qeewtgf ""
- *kk+ Tgo kpf "uwf { 'r ctvkr cpw'v'nggr 'y kpf qy u'emugf ""
- *kx+ Tgo kpf "uwf { 'r ctvkr cpw'v'kml'qwf'ckl' "cevxlk' "hji "cpf "uwxg{ ""
- *x+ Eqphko "f cvg'cpf "vo g'qh'v'j g'pgz'v'xkuk' "

" *d+ Eqo r krg'kuv'qh'kphqto cvkqp. 'r j qvqu. "gve0vj cvtgo clp'v' "dg'eqmgev'f "qp'v'j g'hkpcn' kp/j qo g'xkuk' "

(6) Gathering of Equipment

- *c+ C'tgugctej gt'y kn'eqmgev'v'j g'hqmjy kpi 'hqtu u'htqo "uwf { 'r ctvkr cpw' "
- *k+ F ckl' "qeer cpv'cevxlk' "hji "
- *kk+ Ecrkhtpk'P gy "J qo gu'Uwxg{ "4237" "

" *d+ Vy q'eqr kgu'qh'v'j g'Tgeqtf "qh'kpegpv'xg'Re { o gpv'y kj "dg'uki pgf "d { 'v'j g'uwf { " r ctvkr cpv'cpf "v'j g'tgugctej gt. "qpg'eqr { "v'j'gwtp'v'j'g'tgugctej gt. "cpf "v'j'g'qj'gt " eqr { "v'j'nggr "hqt't'ghgt'peg0' "

" *e+ Tgugctej gt'u'y kn'eqmgev'r cuukxg'uco r ngu'hqmjy kpi 'Gpf "qh'Rcuukxg'Uco r rki 0' "

" *f+ Tgugctej gt'u'y kn'hqmjy 'Uk'g/d{/Uk'g'Ego r ctkuqp'qh'Owf'qqt'cpf "kpf'qqt'RO " kputwo'gpw'v'j' i' cvj'gt'uk'g/d{/uk'g'o' gcuwtgo'gpw'qh'RO "eqpegpvcv'kpu'hqt'cv' r'cuv'3'j' qwt0' "

" *g+ Tgugctej gt'u'y kn'i' cvj'gt'cm'kpf'qqt'ck's'wcrk'v' 'kputwo'gpw'hqmjy kpi 'Eqmgev'kqp'qh' kpf'qqt'Ck'S'wcrk'v' 'kputwo'gpw0' "

" *h+ Tgugctej gt'u'y kn'i' cvj'gt'cm'ugpuqtu'hqmjy kpi 'Eqmgev'kqp'qh'cevxlk' "Ugputu0' "

" *i+ Ej gem'Nku'qh'Rj' qvqu'v' "Vcng. 'Nku'qh'Vj' kpi u'v' "o' ctm'kp' "Hrqt' "Rr'p. "cpf " kphqto cvkqp'qp' Hgrf' "F'cvuj' ggv'j' cxg'dggp' "eqo r r'ngvf 0' "

(7) Conduct Diagnostic Tests

" *c+ Hqmjy 'F'gncS "Vgukpi "v'j' "o' gcuwtg'v'j' g'dwkr' kpi "gp'xgr'p' g'cpf "f'wev'ngcnei' g0' "

" *d+ Hqmjy 'Gzj'cwuv'hcp' "Ck'hqy "Vgukpi "v'j' "o' gcuwtg'v'j' g'ck'hqy "qh'cm'ceeguukng' "gzj'cwuv'hcpu'kp'dcv'j' tqgo u. "r'wpf' t { 'tqgo . "h'kej' gp. "cpf "kp'qj'gt' "tqgo u0' "

- *k+ K'v'j' g'j' qwug'j' cu'c' "eqpv'kpw'v'gzj'cwuv'hcp. "o' gcuwtg'v'j' cv'hqecv'kqp' "hku0' "
- *kk+ Chgt' "eqo r r'ngv'kpi "cm'hqecv'kpu. "tgr' gcv'v'j' g' "hku'v' "o' gcuwtgo' gpv'hqt' "s'wcrk'v' " ej'gen0' "

" *e+ K'v'j' g'k'p'gv'v'gto' kpcn'qh'v'j' g'kp' "k'p'g' "uwr' r' n' "hcp' "ku'ceeguukng' "htqo "v'j' g'j' qwug'gz'v'gt'kqt' " y'cm'v'j' gp' "o' gcuwtg'ck'hqy "wukpi "c' "ecr'wt'g'dqz' "eqppge'v'gf "v'j' "F'wev'Dru'v'gt' "cpf " "

o gcuwtg'yj g'ckhmjy . 'uko krt 'vq'vj g'o gjj qf 'f guetkdgf 'lp' Tcpi g'J qgf 'Ckthmjy "
Vgukpi O'kij g'kprg/vgt o kpcnku'kpeegukdrg *gd O'necvgf "qp"4pf 'hqt. "qt 'tqgh'qh'c"
3/uqt { 'j qvug+ 'vj gp'f gvgto kpg'kij'gt g'ku'c'uwkcdrg'necvkqp *gd O' o gvcn'tki kf 'f wev'
vj cvku'pqv'dwtkgf 'lp' kpuwv'kqp. "qt 'c'vj g'o gvcn'eqmct 'eqppge'kpi 'hgz'f wev'vq"
r rpw +hqt' o gcuwtkpi "ckhmjy 'wukpi "cp'ck'xgnek\ 'r tqdg'hqmjy kpi "Uwr r n' 'Hcp"
Ckthmjy 'Vgukpi O'

"

*f+ Hqmjy "Tcpi g'J qgf 'Ckthmjy 'Vgukpi" 'vq' o gcuwtg'yj g'ckhmjy 'tcvg0"

"

*g+ Hqmjy "Emjy gu'Ft {gt' Ckthmjy 'Vgukpi" 'vq' o gcuwtg'yj g'ckhmjy 'tcvg0"

"

(8) Post-Visit Data Processing

"

*c+ Rtr ctg'cpf "ugpf "uco r rgu'vq'NDP N'hqt"ej go kcrn'cpcn\ uku'hqmjy kpi "Rtr ctg'cpf "
Ugpf 'Uco r rgu'vq'NDP N0'

"

*d+ Fqy pncf "f cv'htqo "ICS "kputwo gpv'cpf "ce'xk\ 'ugpuqtu'hqmjy kpi "F cv'
Fqy pncf 'Ej gemku"cpf "wr ncf "vq'uj ctgf 'hqr gt0"

"

*e+ Wr ncf "r j qvq'vq'uj ctgf 'hqr gt " *ugg' Nku'qh'Rj qvq'vq'Vcng+0'

"

*f+ Wr ncf 'hqt'r rpv'vq'uj ctgf 'hqr gt " *ugg' Nku'qh'Vj kpi u'vq' o ct'n'qp' Hqt'Rrp+0'

"

*g+ Vtcpuetkdg'ng\ 'hqr' r ctco gvgtu'cpf 'pqvq'vq' Hqr'F cvuj ggv'vj gp'wr ncf 'vj g'hqr'
vq'c'uj ctgf 'hqr gt0"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

A. Consent Forms

Healthy Efficient New California Homes Study

Study Consent Form

PURPOSE AND BACKGROUND

[qw'ctg'dgkpi "cungf "q'r ct vkr cvg'lp'c'tgugctej 'uwwf { 'ngf 'd { 'O cz 'Uj gto cp. "Rj (F 0'c'Ugpkqt" Uekp'vuv'cv'Ncy tgepeg'Dgtngng{ "P cvkqpcn'Ncdqtcvqt { "NDP N+0Vj g'uwwf { "cko u'vq'gxcnvcvg'kpf qqt " ckt's wcrk'v'cpf 'xgpvkrvqp'u{uvg'o 'r gthqto cpeg'lp'pgy 'Ecrkhtpkc'j qo gu'y kj 'i cu'er r rkcpegu'0Vj g" uwwf { 'ku'hw'pf gf 'd { 'y g'Ecrkhtpkc'Gpgti { "Eqo o kuukqp'0 "

Vj g'uwwf { 'vgo 'lpenmf gu'y g'I cu'Vgej pqmji { 'Kpukswwg'RI VK: 'Rcehke'I cu' ('Grgentle'RI (G+: 'cpf " Uqwj gtp'Ecrkhtpkc'I cu'Eqo r cp { "UqEcnI cu'0Xluku'v'q'uwwf { 'j qo gu'ctg'dgkpi 'eqqtf kpcv'gf 'd { " I VK0Tgugctej gtu'htqo 'I VKc'pf 'y g'i cu'wkrk'v' y knr' gthqto 'y g'vguu'0 "

NDP N'cpf 'ku'uwwf { 'r ct vpgtu'tgs wgu'v' { qwt'r gto kuukqp'v'f q'y g'hqmjy kpi <

- Xkuk'v' { qwt'j qo g'qp'v'j tgg'ugr ctcv'f c { u'0Vj g'htu'v'xkuk'y knr'vcng'wr 'v'q'vy q'j' qwtu'0Vj g'ugeqpf " cpf 'y kf 'xkuku'y knr'vcng'wr 'v'q'ukz'j' qwtu'gcej "cpf 'o wuv'qee'w'qpg'y ggm'cr ct'0"
- Vgu'v'j g'uchgv' 'qh' { qwt'i cu'er r rkcpegu'0 [qwt'j qo g'o wuv'r cu'v'j g'i cu'er r rkcpeg'uchgv' 'v'gu'v'q' r ct vkr cvg'lp'v'j ku'uwwf { 0C 'ugt'xleg'v'gej plekcp'htqo " { qwt'i cu'wkrk'v' y knr' gthqto 'y g'vgu'0K' wpuchg'eqpf kkp'u'ctg'h'w'pf 'y kj " { qwt'i cu'er r rkcpegu. 'y g'i cu'ugt'xleg'v'gej plekcp' y knr'cf xkug" { qw'qp'cev'kpu'v'q'vcng'0"
- Kpu'cm'kpu'wo gpw'v'q'o gcuwt'g'ckt's wcrk'v' { 'cpf 'r gt'kqf u'qh'qr gtcv'kqp'qh'u'qo g'gs wkr o gpv'kp' { qwt' j qo g'ht'qpg'y ggn'0"
- Eqpf vev'f kci pqu'v'v'gu'v'q'gxcnvcvg'v'j g'r gthqto cpeg'qh' { qwt'o gej cplecn'xgpvkrvqp'u{uvg'o " cpf 'q'y gt'dwkr' kpi 'eqo r qpgpu'0"
- Ceegu'v'j g'dwkr' kpi 'eqo r rkcpeg'f qewo gpw'v'j cv'y gtg'h'ngf 'y kj " { qwt'hqec'n'dwkr' kpi " f gr ctvo gpv'f wtkpi 'y g'r gto k'r tqegu'0"

K'cf f kkp. 'f wtkpi 'y g'qpg/y ggn'o gcuwtgo gpv'r gtlqf. " { qw'o wuv'ci tgg'v'q' <

- Mgr " { qwt'y kpf qy u'enjugf 0"
- Eqo r rvg'c'f ckn' 'hqi '*3/5' o kpwgu'r gt'f c { +v'q'kpf kec'v'j g'pwo dgt'qh'r gqr ng'lp' { qwt'j qo g' cpf 'v'q'r tqxkf g'kphqto cvkqp'qp'kpf qqt'cev'xkuk'gu'v'j cv'o c { 'r tqf weg'ckt'r qm'wcpu'0"
- Eqo r rvg'c'37/o kpwg'uwt'xg' { 'cdq'w' { qwt'j qo g.'j' qwugj qrf 'cev'xkuk'gu. 'cpf 'f go qi tcr j leu'0"

Vj g'tgs wktgo gpw'ht' r ct vkr cvkqp'lp'v'j ku'uwwf { 'ctg'cu'hqmjy u' <

- [qw'o wuv'dg'cv'hcuv'3: " { gctu'qrf 0"
- [qwt'j qo g'o wuv'dg'c'ukpi ng'hc'o kn' f gcej gf 'j' qwug. 'hqc'v'gf 'lp'Ecrkhtpkc'0"
- [qwt'j qo g'o wuv'dg'dwkn'lp'4233'qt'rvgt'0"
- [qwt'j qo g'o wuv'j cxg'i cu'er r rkcpegu'cpf 'o gej cplecn'xgpvkrvqp'0"

- Uo qnkp i "o wu'dg'r tqj kdkgf 'kp" { qwt'j qo g0"
- [qwt'j qo g'o wu'pqv'j cxg'j ki j n' 'wpwucn' hkn' c'v'kp'qt' 'xgp'v'k'v'kp' u' { u'go u0"
- [qw'o wu'ur gcm'cpf 't'gcf 'Gpi nkuj 'uw' h'el'gp'v' { 'y gm'v'q'w'pf gt'uc'pf 'y' ku'f qewo gp'v0"
- C'v'ng'cu'v'q'pg'cf wu't'guk'f gp'v'o wu'dg'r t'gug'p'v'q' i t'cp'v'ce'egu'v'q' { qwt'j qo g'hqt' 'y' g'kp'j qo g' xkuku0"
- Vj gt'g'o wu'dg'uw'kcd'ng' h'ec'v'kp'u'cpf "gr'ge'v'le'cn'q'w'rg'u'hqt'uw'f { 'kp'ut'wo gp'u0"
- K' { qw'f gek'f g'v'q'uv'qr 'r ct'v'ek' c'v'kp' i 'dgh'qt'g'c'y ggm'q'h'kp'j qo g'o gcu'wt'go gp'u'ku'eqo r ng'v'g' " { qw'o wu'cm'y 'y' g'uw'f { 'v'gco 'v'q't'ge'qx'gt'cm'o gcu'wt'go gp'v'f gx'le'gu'h'qo " { qwt'j qo g0"

1. PROCEDURES

If you agree to be in this study, the following will happen<"

"

Walk Through to Collect Basic Information About Your Home

"

W' 'v'q'w' q't'gug'cte'j gtu'y kn'x'kuk' { qwt'j qo g'hqt'w' 'v'q'w' q'j qwt'u'v'q'r gth'qto 'y' g'hq'm'y kpi 'vcum'<"

- Y cm'v'y tqwi j 'v'q'k'f gp'v'kh' { 'i cu'cr r nk'pe'gu.'o ge'j c'p'le'cn'x'gp'v'k'v'kp'c'pf "q'y' gt'gs'w'r o gp'v0"
- I c'v'j gt'k'ph'qto c'v'kp'cd'q'w'i cu'cr r nk'pe'gu'c'pf "o ge'j c'p'le'cn'x'gp'v'k'v'kp'gs'w'r o gp'v0R'j q'v'qu' y kn'ld'g'v'cn'gp'hqt'f qewo gp'v'c'v'kp'0C' u'ng'v'ej "qh' { qwt'j qo g'u'h'q'qt' r r'cp'y kn'ld'g'o cf g0"
- Eq'ph'kto 'y' c'v'y'j gt'g'ct'g'uw'kcd'ng' h'ec'v'kp'u'hqt'ug'v'kpi "w' uw'f { 'kp'ut'wo gp'u'k'p'uk'f g'c'pf " q'w'uk'f g'q'h'y'j q'w'ug'0"
- Eq'ph'kto 'y' c'v'g'u'gp'v'k'v'k'cn'x'gp'v'k'v'kp'eqo r q'p'gp'u'ct'g'qr g't'c'v'k'p'cn'0K'p'ge'gu'ct' { .f'k'ue'w'u'c'pf " qd'v'ek'p' { qwt'cr r tq'x'cn'hqt'c'p' { 'ej'c'pi gu'y'j c'v'p'gg'f 'v'q'd'g'o cf g'v'q'y'j g'ug'u' { u'go u'r t'k'qt'v'q'y'j g' y ggm'q'h'c'k't's w'ek'v' { 'c'pf "gs'w'r o gp'v'o gcu'wt'go gp'u'k'p' { qwt'j qo g0"

Setup Monitors to Measure Air Quality, Mechanical Ventilation and Appliance Usage

"

W' 'v'q'y'j t'gg't'gug'cte'j gtu'y kn'x'kuk' { qwt'j qo g'hqt'w' 'v'q'uk'z'j qwt'u'0V'j g'v'gco 'y' kn'ld'g' gth'qto 'y' g' hq'm'y kpi 'vcum'<"

- Eq'pu'w'v'y kj " { qw'v'q'ug'ng'v'h'ec'v'kp'u'hqt'o q'p'k'qt'kpi "gs'w'r o gp'v'y'j c'v'ct'g'w'p'q'd'v'w'uk'g'c'pf "q'w' qh't'g'ce'j "qh'uo cm'ej k'f t'gp'c'pf "r gu'0"
- K'p'uc'm'f gx'le'gu'v'q'o gcu'wt'g'c'k't's w'ek'v' { 'c'v'q'p'g'eg'p'v'c'cn'h'ec'v'kp'c'pf "q'p'g'qt'o q't'g'c'f f'k'k'q'p'cn' h'ec'v'kp'u'k'p'uk'f g'q'h' { qwt'j qo g0"
- K'p'uc'm'f gx'le'gu'v'q'o gcu'wt'g'c'k't's w'ek'v' { 'c'v'c'ug'ew't'g'h'ec'v'kp'q'w'uk'f g'q'h' { qwt'j qo g0"
- K'p'uc'm'f gx'le'gu'v'q'o q'p'k'qt'y'j g'w'ug'q'h'x'gp'v'k'v'kp'c'pf "c'k't'o q'x'kpi "gs'w'r o gp'v'k'p'ew'f kpi 'y' g' eg'p'v'c'cn'c'k't'j c'p'f r'gt.'t'c'pi g'j q'q'f . 'c'pf "gz'j c'w'v'h'c'pu'0"
- K'p'uc'm'ug'pu'qt'u'v'q'f g'v'gto k'p'g'c'v'k'x'k'kg'u.'uwe'j 'cu'eq'qm'kpi . 'w'ug'q'h'x'gp' . 'c'pf "em'y'j gu'f't { kpi 0"

"

U'qo g'q'h'y'j g'c'k't's w'ek'v' { 'c'pf "x'gp'v'k'v'kp'gs'w'r o gp'v'o q'p'k'qt'kpi "f'gx'le'gu'o c' { 'p'gg'f 'v'q'd'g'r n'i i g'f " k'p'v'q'gr'ge'v'le'cn'q'w'rg'u'0K'k'u'ko r q't'c'p'v'y'j c'v' { qw'p'q'v'w'p'r n'i 'y' g'ug'k'go u'gz'egr v'k'p'c'p'go g'ti g'pe' { 0"

"

ƙƚ'cf f ƙƙƚp. 'tuguctej gtu'o c{ 'eqpf wev'vj g'hqmqy ƙƚi 'vcumu<

- O gcuwtg'cƙ'rgcnci g'qh'vj g'dwƙf ƙƚi 'gpxgnr g'cpf 'f wev'u{ uŋgo 0"
- O gcuwtg'cƙ'hmqy 'qh'o gej cƙecr'xgpvƙvƙp'gs wƙr o gpv.'ƙpenw ƙƚi 'gzj cwu'hcƙu.'tƙpi g'j qƙf ."

"

F gr gpf ƙƚi 'qp'vj g'y qtnhmqy 'qh'vj g'tuguctej gtu.'vj g'cdqyg'vcumu'o c{ 'qeew'y j gp'vj g'tuguctej gtu' tƙwtp'v'q'qwt'j qo g'c'v'vj g'gpf 'qh'vj g'qpg/y ggn'uwwf { 'r gƙqf 0"

"

One-week study period

"

Qxgt 'vj g'qpg/y ggn'o gcuwtgo gpv'r gƙqf . 'qwt'ƙpuwngf 'f gxlēgu'y ƙr'o cng'cƙ's wƙr'f 'o gcuwtgo gpv'u' ƙƙf g'cpf 'qwuƙf g'qh'qwt'j qo g'cpf 'tgeqtf 'vj g'qr gƙvƙp'qh'o gej cƙecr'xgpvƙvƙp'gs wƙr o gpv'o"

"

Vj tqw j qw'vj g'y ggm'ƙ'ƙu'xgt { 'ƙo r qtcv'v'vj cv'cm'y ƙƙf qy u'ƙp'qwt'j qo g'tgo cƙ'equgf'cpf 'vj cv' gzvgtƙt'f qqtu.'ƙpenw ƙƚi 'r cvƙ'cpf 'i cƙci g'f qqtu.'ctg'qr gp'cu'hwg'cu'r quƙdrg'0Vj g'uwwf { 'ƙu' hqewuƙi 'qp'o gcuwtƙi 'ƙƙf qwt'cƙ's wƙr'f 'wƙf gt 'vj g'g'eqpf ƙƙƙp'o"

"

Gcej 'f c { '{ qw'y ƙr'dg'gzt gevgf 'v'eqo r ngv'c'f cƙ' 'rqi 0Vj g'hqi 'j cu's wƙvƙƙp'u'cdqww'vj g'pwo dgt 'qh' r gqr ng'ƙ'qwt'j qo g.'cevƙƙƙgu'cpf 'gxgpv'vj cv'ecp'ƙpet gcug'cƙ'r qmƙcpv'rgxgn'ƙƙv'qwt'j qo g.' cpf 'cp'ceef gpvc'y ƙƙf qy 'qr gƙƙi 0Vj ƙu'y ƙr'cng'3/5'o ƙpwgu'r gt 'f c { 0"

"

Qp'vj g'vj ƙf 'f c { '{ qw'y ƙr'tgegƙg'c'vgnr j qpg'ecm'ht qo 'I Vƙv'eqphƙo 'vj cv'vj g'uwwf { 'ƙu' r tqeggf ƙƚi 'ceegr vcdn'.'cpf 'v'cpuy gt 'cp' 's wƙvƙƙp'u'qt'eqpegtpu'qwt'o c { 'j cxg'cdqww'vj g' o qƙqƙƙi 'f gxlēgu'cpf 'f cƙ' 'rqi u0"

"

Gathering of Monitors and Complete Data Collection

"

Cv'vj g'gpf 'qh'vj g'qpg/y ggn'uwwf { 'r gƙqf . 'w'v'vj tgg'tuguctej gtu'y ƙr'tgwt'v'q'qwt'j qo g'hqt'w' r v'v'z'j qwtu'v'r gthqto 'vj g'hqmqy ƙƚi 'vcumu<

- Eqmgev'f cƙ' 'rqi 'uj ggu'cpf 'uwxg' { 'hqt 0"
- Eqo r ngv'i cv' gƙƙi 'qh'j qo g'f c'c'g'0r j qvqu.'hqt' 'r rƙ+'hqt'f qewo gpv'vƙp'o"
- Eqo r ngv'o gcuwtgo gpv'u'qh'dwƙf ƙƚi 'gpxgnr g'cpf 'f wev'rgcnci g.'cpf 'cƙ'hmqy u'qh' o gej cƙecr'xgpvƙvƙp'gs wƙr o gpv'o"
- Eqphƙo 'y ƙj '{ qw'vj cv'cm'ƙustwo gpv'cpf 'ugpuqtu'j cxg'dggp'tgo qxgf . 'cpf 'o cng'uww'vj cv' vj g'hgrf 'vgo 'ƙu'rgcxƙi '{ qwt'j qo g'ƙ'i qƙf 'eqpf ƙƙƙp'o"

"

Survey

"

[qw'y ƙr'dg'cungf 'v'eqo r ngv'c' 'uwxg' { 'cdqww'qwt'j qo g.'j qwugj qf 'cevƙƙƙgu.'cpf " f go qi tcr j ƙeu'0Vj g'uwxg' 'ƙu'f guƙi pgf 'v'cng'37'o ƙpwgu'qt'rguu'v'eqo r ngv'0Vj g'uwxg' 'y ƙr'dg' r tqƙf gf 'cv'vj g'hƙuv'xƙƙ'cpf 'uj qwf 'dg'eqo r ngv'f'cpf 'uwo ƙvgf 'r tƙt'v'vj g'eqo r ngv'v'qh'vj g' vj ƙf 'ƙp/j qo g'xƙƙo"

Report Summarizing Results for Your Home

"

[qw'y knltgegkxg'c'tgr qt'v'wo o ctk kpi 'vj g'o gcuwtgo gpv'cpf 'f kci pquwle 'vgu't guwmu'y kj kp'vj tgg' o qp'vj u'ch'gt 'eqo r ng'v'qp 'qh'vj g'uwf { 0

2. RISKS/DISCOMFORTS

"

Megr kpi '{ qwt'y kpf qy u'emugf 'o c { 'ej cpi g'vj g'ngxgn'qh'c'kt 'r qmwcpw'lp' '{ qwt'j qo g0Rqmwcpw' l'it qo 'kpf qqt 'u'qwt'egu'y kn'v' r l'ecm' { 't'gej 'j ki j gt 'eqpegpvt'cv'k'pu'eqo r ct'gf 'v'q'y j gp'y kpf qy u'ct'g' qr gp.'cpf' 'o cp' { 'r qmwcpw' l'it qo 'q'w'f qqtu'y kn'v' r l'ecm' { 'dg' 'lp' 'h'y gt 'eqpegpvt'cv'k'pu'0'k' { 'q'w'w'ug' q'h'gp' 'qt' 'u'qo g'w'o gu'w'ug'y kpf qy u'h'qt 'eqo h'qt'v'qt 'h'qt'cp' { 'q'vj gt 't'gcu'qp. 'r ng'cug' 'eq'pukf gt 'y j g'vj gt' ng'gr kpi 'vj go 'em'ugf 'h'qt 'q'pg'y ggn'ku'ceegr v'cdng'v'q' '{ qw0'

"

Y g'y kn'w'ug'c'd'm'y gt 'f qqt 'v'q' 'o gcuwt'g'vj g'c'k' 'ng'c'ni g'q'h' { qwt'j qo g0Vj g'ug'f g'x'legu'ct'g' 'h'w'f 'cpf' " et'g'cv'g'f t'chu'f w'k'pi 'w'ug0'Vj g'd'm'y gt 'f qqt 'v'gu'w'ku'g'zr g'ev'gf 'v'q' 'c'ng' 'cr r t'qz'ko c'v'gn' { '37' 'o k'p'w'gu0' C'r r r'k'c'pegu' 'cpf' 'g'zj c'w'w' 'h'cu'y kn'd'g' 'v'go r q't'ct'kn' { 'w'p'c'x'k'c'd'ng' 'y j k'g' 'y g' 'o gcuwt'g' 'r g't'h'q'to c'peg' 'qt' " f g'c'n'y kj 'vj g' 'o q'p'k'q't'k'pi 'f g'x'leg' 'h'qt 'g'cej 'r k'geg' 'q'h' 'g's w'k' 'o g'p'v0'R'ng'cug' 'eq'pukf gt 'y j g'vj gt 'vj g'ug' " c'ev'x'k'k'gu'y kn'r t'g'ug'p'v'c' 'u'ki p'h'k'c'p'v' 'k'p'eq'p'x'g'p'k'g'peg0'

"

C'k' 'o q'p'k'q't'k'pi 'f g'x'legu'y kn'd'g' 'r r'eg'f 'k'p' 'w'p'q'd'v'w'k'x'g' 'h'q'ec'v'k'pu' 'vj c'v'c't'g' 'eq'p'h'k' 'o g'f 'v'q' 'd'g' 'c'ee'gr v'cd'ng' " v'q' '{ qw0'U'qo g'q'h' 'vj g'c'k' 'o q'p'k'q't'k'pi 'f g'x'legu'j c'x'g' 'r w'o r u' 'vj c'v' 'o c { 'd'g' 'c'w'f k'd'ng'0'

"

Vj g'uwf { 't'gs w'k'gu'c'v'ng'cu'v'q'p'g'c'f w'w'v'q' 'd'g' 'r t'g'ug'p'v'q' 'i t'c'p'v' 'vj g' 'h'k'g'f 'v'g'co 'c'ee'gu'v'q' '{ qwt'j qo g0' Vj g'c'ev'x'k'k'gu'q'h't'g'ug'c'tej g'tu'f w'k'pi 'h'k'g'f 'x'k'k'u' 'o c { 'd'g' 'v'go r q't'ct'kn' { 'f k'ut w' 'v'k'x'g' 'qt' 'et'g'cv'g' 'h'ko k'g'f " c'ee'gu'v'q' 'g's w'k' 'o g'p'v'qt' 'h'q'ec'v'k'pu' 'lp' 'vj g'j qo g0'

"

Vj g' 'h'k'g'f 'v'g'co 'y kn'r g't'h'q'to 'vj g'k' 'y q't'n'y kj 'ec'w'k'p. 'd'w'v'j g't'g' 'ku' 'vj g't'k'uni'q'h' 'o k'p'qt' 'f co ci g. 'u'we'j " c'u'r c'k'p'v'ej k' r u'qt' 'u'et'c'vej gu0'R'ng'cug' 'eq'p'v'ce'v'NDP N'k'h' 'u'qo g'vj k'pi 'ku' 'f co ci g'f 'h'q'o 'vj g' 'h'k'g'f 'x'k'k'u' " g'x'g'p' 'k'i' { q'w'f q'p'v' 'h'k'p' 'vj g' 'r t'q'd'ng'o 'w'p'v'k'i'c'h'gt 'vj g' 'y q't'n'lp' '{ qwt'j qo g'j cu'g'p'f g'f 0'

"

D'ge'c'w'ug' 'y g'y kn'le'q'm'ge'v' '{ qwt'p'co g. 'c'f f t'g'u. 'v'g'ng' r j q'p'g'p'w'o d'gt. 'cpf' 'go c'k'i'c'f f t'g'u. 'cpf' " k'p'h'q'to c'v'k'p' 'h'q'o '{ qwt'j qo g. 'k'v'ku' 'r q'u'k'd'ng' 'vj c'v' 'vj ku' 'k'p'h'q'to c'v'k'p' 'eq'w'f 'w'p'k'v'g'p'v'k'p'c'm' { 'd'ge'q'o g' " r w'd'ne'0'Y g'y kn'w'ug' 'r cu'uy q't'f / r t'q'v'ev'gf 'cpf' 'g'p'et { r v'g'f 'h'k'g'u. 'cpf' 'w'ug' 'eq'f g'p'w'o d'gtu' 'lp' 'r r'eg' 'q'h' " p'co gu'v'q' 'o k'p'ko k' g' 'vj g' 'ej c'peg' 'q'h' 'c'ee'k'f g'p'v'c'n't'g'ng'c'ug'u'q'h' 'k'p'h'q'to c'v'k'p'0'

3. BENEFITS

"

[qw'y kn'ng'ct'p'cd'q'w'vj g'k'p'f qqt 'c'k' 's w'c'k'v' { 'cpf' 'x'g'p'v'k'v'k'p' 'lp' '{ qwt'j qo g0Vj g'uwf { 'c'ko u'v'q' " r t'q'x'k'f g'd'g'p'g'h'ku'v'q' 'E'c'r'k'q't'p'k'c'pu'd' { 'c'u'gu'ul'k'pi 'vj g'g'h'g'ev'k'x'g'p'gu'q'h' 'e'w't'g'p'v'd'w'k'f k'pi " eq'f gu'v'j c'v' " t'gs w'k'g'o g'ej c'p'le'c'n'x'g'p'v'k'v'k'p' 'v'q' 'r t'q'v'ev' 'k'p'f qqt 'c'k' 's w'c'k'v' { 0'

4. STORAGE OF SAMPLES/DATA

"

Vj g'f cve'ltqo "{ qwt'j qo g'y kn'dg'gpvgtgf 'cpf' 'uqf'gf 'kp'r cuuy qtf /r tqvgev'gf 'cpf' 'gpet { r vgf " eqo r wgt 'hkgu'0'Vj g'f cve'y kn'dg'eqo d'kpgf 'y kj 'f cve'eqmgev'gf 'ltqo 'qyj gt'j qo gu'cpf 'r wdrkuj gf 'kp' tgr qt'v'0"

"

Eqf gf 'f cve'yj cv'f qgu'pqv'kpen'f g' "{ qwt' pco g. 'cf f tguu. 'qt' 'eqpvcev'kphqto cvkqp' o c{ 'dg'uj ctgf 'y kj " qyj gt' 'tgugctej gtu'y j q'ctg'eqpf wev'kpi 'tgr'v'gf 'uww'kgu'0"

"

[qwt' 'eqpvcev'kphqto cvkqp'y kn'dg'f luectf gf 'd { 'NDP N'cpf 'I VKcv'yj g'gp'f 'qh'yj ku'uwf { 0 [qwt' 'i cu' wkrk'f 'y kn'p'qv'cti gv' { qw'hqt 'hwwt'g'r tqf wev'qt 'ugt'xleg'r tqo qv'kpu'dgecwug'qh' { qwt' r ct'v'ekr cvkqp'kp' yj ku'uwf { 0"

5. FINANCIAL CONSIDERATIONS

"

K'i'hgrf 'o gcuwtgo gpv'y gtg'v'q'qee'w'kp' "{ qwt'j qo g'f wt'kpi 'uwo o gt. "{ qw'o c { 'h'kp'f 'k'p'geguuct { 'v'q" wug'o qt'g'c'k'eqpf k'k'q'p'kpi "d'gecwug'y k'p'f qy u'uj qwf 'p'q'v'dg'wug'f 'hqt' 'x'gp'v'k'cv'k'p'f wt'kpi 'y' g'uwf { 0' Vj g'g'zr gev'gf "gp'gti { 'equ'v'ku'&32'qt' 'h'gu'v'hqt 'y' g'qp'g/y ggm'r g'k'q'f 0'U'uwf { 'r ct'v'ekr cp'u'y j q' eqo r r'gv'gf 'y' g'uwf { 'y kn'it'geg'k'x'g'&5220'k'p'cf f k'k'q'p'. 'y' g'uwf { 'r ct'v'ekr cp'v'y kn'it'geg'k'x'g'&52'hqt' eqo r r'gv'kpi 'cm'9'f c { u'q'h'yj g'f c'k'f 'f cve'h'qi '*&5'r gt'f c { . 'cpf' 'cp'cf f k'k'q'p'cn'& 'hqt' 'eqo r r'gv'kpi 'cm'9' f c { u: 'cpf' '&42'hqt' 'eqo r r'gv'kpi 'y' g'37/o k'p'wg'uw'x'g' { 0"

"

U'uwf { 'r ct'v'ekr cp'u'y j q' 'u'ct'v'dw'f'q' 'p'q'v'eqo r r'gv'g'c' 'h'm'i'y ggm'q'h'o gcuwtgo gpv'y kn'it'geg'k'x'g'&322. " cuuwo kpi 'ceegu'u'ku'i t'cp'v'gf 'hqt' 'tgugctej gtu'v'q' 't'geq'x'g' 'cm'o q'p'k'q't'kpi 'f g'x'k'egu'lt'qo 'y' g'j' qo g'0"

"

U'uwf { 'r ct'v'ekr cp'u'y j q' 'eqo r r'gv'gf 'y' g'f cu'cr r r'k'c'peg'uch'gv' { 'v'gu'v'cpf 'y' g'o ge'j c'p'le'cn'x'gp'v'k'cv'k'p' " k'f g'p'v'k'ec'v'k'p' 'y' cm'v'j tqw'j 'q'pn'f 'y' kn'it'geg'k'x'g'&970"

"

Rc { o gp'u'y kn'dg'r t'q'x'k'f gf 'v'q' "{ qw'kp' 'y' g'hqto 'q'h'c' 'N'qy g'au'i k'h'v'ectf 'cv'yj g'gp'f 'qh'yj g' 'ru'v'x'k'uk'0' [qw'qt' "{ qwt' tgr t'gug'p'v'k'x'g'y kn'dg'cung'f 'v'q' 'u'ki p'c' 'h'qto 'v'q'c'emp'qy r'gf i g'yj cv' { qw't'geg'k'x'g'f 'y' g'i k'h' v'ectf 0 [qw'y kn'P QV'p'gg'f 'v'q' r t'q'x'k'f g' "{ qwt' 'u'q'ec'n' 'u'ge'w'k'v' { 'p'wo d'gt'0J qy g'x'gt. 'y' ku'r c { o gp'v'o c { 'dg' 'v'cz'cd'ng' 'k'p'eqo g'yj cv'uj qwf 'dg' t'gr qt'v'gf 'y' j gp' "{ qw'h'k'ng' 'v'cz'gu'0'

6. QUESTIONS AND CONTACT NUMBERS"

"

K'i' { qw'j' c'x'g's w'gu'k'q'pu'cd'q'w'yj g'uwf { . 'r r'gcug' 'eqpvcev'<"

"

" O cz' 'Uj gto cp'cv'*732+'6: 8/62440

"

K'i' { qw'j' c'x'g's w'gu'k'q'pu'cd'q'w' { qwt' r ct'v'ekr cvkqp. 'uwf { 'o g'yj qf u. 'qt' 'gs v'k' o gpv. 'r r'gcug' 'eqpvcev'<

"

" T'gpi k'g' 'Ej cp'cv'*732+'6: 8/8792 '*q'h'k'eg+'qt' '*637+'599/: 745 '*egmi'0

"

Cp { 's w'gu'k'q'pu' { qw'j' c'x'g'cd'q'w' { qwt' 't'ki j w'cu'c' 't'gugctej 'u'wd'lg'ev'uj qwf 'dg'f k'g'ev'gf 'v'q'<

"

" 'D'gt'ng'ng' { 'N'cd'J wo cp' 'U'wd'lg'ev' 'Eqo o k'v'gg'cv'*732+'6: 8/75; ; 0'

7. PARTICIPATION IN RESEARCH IS VOLUNTARY.

"

[qw] c'xg'v'j g'tki j v'q'p'q'v'c'ng'r ctv'lp'v'j ku'uwf { "qt'v'q'uxr 'v'cn'kpi 'r ctv'cv'cp { 'v'ko g0k' { qw'uxr " r ctv'ekr cv'kp.'k'o c { 'v'cng'c'hgy 'f c { u'dgh'qtg'y g'ecp'tgo q'xg'k'putwo gpw'c'pf "gs wkr o gp0"

"

k' { qw'y kuj "v'q'r ctv'ekr cvg.'r mcug'uki p'dgm'y 0 [qw'y k'ndg'i k'xgp'c'eqr { "qh'v'j ku'eqpugpv'hqto "v'q" n'ggr 0

AUTHORIZATION

Kj cxg'tgcf 'y ku'eqpugpv'hto 0'O { 's wgu'kqpu'cdqww'yj g'uwf { 'j cxg'dggp'cpuy gtgf 'vq'o { 'uc'kuk'ce'kqp0''

Kxqnpv'ggt 'vq'r ct'v'ekr cvg'lp'yj ku'tgugctej 0'K'cnuq'i kxg'eqpugpv'ht' 'o { 'ej krf tgp'y j q 'kxg'lp'yj ku'j qo g" cpf "ctg'nguu'yj cp"3: "{ gctu'qif 0'

Kkxg'cv'yj ku'cf f tguu<

aa

aa

Ky kni kxg'tgugctej gtu'ceeguu'vq'o { 'j qo g'vq'kpu'cni'cpf 'tgo qxg'kputwo gpw'ht' 'y g" o gcuwtgo gpw'0'K'ci tgg'vq'p'qv'wpr ni 'y g'kputwo gpw'gze'gr v'kp'cp'go gti gpe { 0''

_____ " " _____ "
F cvg" " Uwdlgev'u'Uki pcwtg"

_____ " " _____ "
" " Uwdlgev'u'P co g'*r t'kpv'ngi kdn' +"

_____ " " _____ "
F cvg" " Rgtuqp'Qdvck'kpi 'Eqpugpv'*Uki pcwtg+"

_____ " " _____ "
" " P co g'*r t'kpv'ngi kdn' +"

Healthy Efficient New California Homes Study

Consent to Ventilation Changes

"
"

PURPOSE AND BACKGROUND

"

Rct vlek r vkqp "kp"vj g"J gcmj { "Ghlekpv"p gy "Ecrkqtplc"J qo gu"Uwf { "tgs wktgu"vj cv"guugpvkcn" xgpvk r vkqp"eqo r qpqpwu"ctg"qr gtcvkqpcr"OC"hgfr "vgej plekcp"j cu"eqpf wexgf "c"y cmj tqwi j "vq" kpur gev"vj g"qr gtcvkqp"qh"o gej cplecn"xgpvk r vkqp"gs wkr o gpv"kp" { qwt"j qo g0"

"

Vj g"lqmjy kpi "ej cpi gu"ctg"pgeguuct { "r tkqt"vq"ck"uco r rkp i <"

"

aa"

"

aa"

"

aa"

"

aa"

"

aa"

"

"

Uwf { "r ctvlek r cpwu"o wuw"ci tgg"vq"vj g"cdqxg"ej cpi gu"vq"eqpvkpwg"y kj "vj ku"tgugctej "uwf { 0"

1. PROCEDURES

Ki" { qw"ci tgg"vq"vj g"cdqxg"ej cpi gu."vj g"hgfr "vgej plekcp"y kn"o cng"vj qug"ej cpi gu"vqf c { 0Y g"cum" vj cv" { qw" f q"pqv"cmgt "vj g"ej cpi gu"vj cv"ctg"o cf g"wpvkn"vj g"gpf "qh"vj g"qpq/y ggn"ck "s wcrk" { "cpf " gs wkr o gpv"wg"o gcuwtgo gpv"r gtkqf OCk"uco r rkp i "y kn"luctv"cv" { qwt"pgz"v"uej gf wrgf "xluk0"

Cv"vj g"gpf "qh"vj g"qpq/y ggn"o gcuwtgo gpv"r gtkqf. " { qw"o c { "ej qqug"vq"rgcxg"vj gug"ej cpi gu"kp"r rceg" qt"vq"j cxg"vj go "tgwtpgf "vq"vj g"r tkqt"eqpf kkp0"

2. RISKS/DISCOMFORTS

"

Vj gtg"ctg"pq"uki p"lhekpv"tkum"ltqo "vj g"ej cpi gu"vj cv"ctg"o cf g"vqf c { .y j lej "r wtr qug"ku"vq"lvgv" { qwt" o gej cplecn"xgpvk r vkqp"vq"qr gtcvg"cu"kpvgpf gf 0 [qw"o ki j v"pqvleg"uo cn"iej cpi gu"kp"ck"o qxgo gpv" qt"vgo r gtcwtg"lp" { qwt"j qo g0"

"

3. BENEFITS

"

O gej cplecni'xgpxkrcv'kqp"gs wkr o gpv'vj cv'qr gtcv'gu'cu'lpv'gpf gf "ku'o qtg'ikngn("vq'r tqxkf g'uwkscdng" xgpxkrcv'kqp"vj cp'kh'k'ku'lpcevkxg."dmengf."qt'r tqi tco o gf "lpeqttgevn(0Vj g'tgs wguvgf "ej cpi gu'y kni' o qxg" { qwt'j } qo g'au'xgpxkrcv'kqp'r gthqto cpeg'emugt "vq'vj cv'gpxkukqpgf "d { 'vj g'Ecrkhtpkca'dwkr kpi " gpgti { "eqf gu0"

4. FINANCIAL CONSIDERATIONS

"

Vj g'ej cpi gu'bo c { 'tguwn'lp'c'uo cm'ej cpi g'*c'hgy 'r gtegpv'qt' hguu+'vq' { qwt'o qp'vj n' "gpgti { "dkn0' Vj ku'ej cpi g'eqwf "tguwn'htqo "ej cpi gu'vq' { qwt'j } gcv'kpi ."eqqkpi ."cpf lqt' hcp"gpgti { "equ0"

"

Uwf { 'r ctv'ekr cpw'y j q'f q'pqv'ci tgg'vq'vj g'ej cpi gu'y kni'P QV"eqpv'kpwg'y kj "vj ku'tgugctej "uwf { 0C" eqo r gpucv'kqp'co qwpv'qh'897'y kni'dg'r tqxkf gf "hqt" { qwt'r ctv'ekr cv'kqp"vq'vj ku'r qkpv0"

"

Rc { o gpw'y kni'dg'r tqxkf gf "lp'vj g'hqto "qh'c'Nqy g'au'i kh'ectf "o ckrf "y kj kp'6'y ggmi'chgt" eqo r ngv'kqp'qh'vj g'uwf { 0[qw'y kni'P QV'pggf "vq'r tqxkf g' { qwt' "uqekcn'ugewtkv' "pwo dgt0J qy gxgt." vj ku'r c { o gpv'bo c { "dg'vczcdng' lpeqo g'vj cv'uj qwf "dg'tgr qtvgf "y j gp" { qw'hkr'vcz gu0"

5. QUESTIONS AND CONTACT NUMBERS"

"

Ki { qw'j } cxg's wgu'kqpu'cdqww'vj g'uwf { ."r ngcug"eqpvcew' "

"

O cz "Uj gto cp'cv'*732+'6: 8/62440'

"

Ki { qw'j } cxg's wgu'kqpu'cdqww' { qwt'r ctv'ekr cv'kqp."uwf { "o gjv' qf u."qt "gs wkr o gpv.'r ngcug"eqpvcew' "

"

Tgpi kg'Ej cp'cv'*732+'6: 8/8792*"qh'heg+'qt"*637+'599/: 745"*egmi0'

"

Cp { 's wgu'kqpu' { qw'j } cxg'cdqww' { qwt'tki j w'cu'c'tgugctej "uwdlgev'y kni'dg'cpuy gtgf "d { < "

"

"Dgtngng { 'Ncd'J wo cp'Uwdlgeu'Ego o kwgg'cv'*732+'6: 8/75; ; 0'

6. PARTICIPATION IN RESEARCH IS VOLUNTARY.

"

[qw'j } cxg'vj g'tki j v'vq'pqv'vcng'r ctv'lp'vj ku'uwf { "qt"vq"uqr "vcnkpi "r ctv'cv'cp { "vko g0[qw'y kni'dg" i kxgp"eqr kgu'qh'vj ku'eqpugpv'hqto "vq'hnggr 0Ki' { qw'y kuj "vq'r ctv'ekr cvg."r ngcug'uki p'dgmy 0'

AUTHORIZATION

Kj cxg'tgcf 'y ku'eqpugpv'hqto 0'O { 's wgvkqpu'cdqww'y g'uwf { 'j cxg'dggp'cpuy gtgf 'vq'o { 'ucvklrcevklp0''

Kco 'cv'rgcuv'3: '{ gctu'qrf "cpf 'j cxg'cwj qtkf 'y kj kp'y ku] qwugj qrf "vq'cwj qtk g'y g'ej cpi gu'pqvgf " qp'Rci g'30"

Kkxg'cv'y ku'cf f tguu<

aa

aa

Keqpugpv'vq'y g'tgugctej 'vgco 'o cnkpi 'y g'ej cpi gu'f guetkdgf "qp'Rci g'3"qh'y ku'hqto 0Kci tgg'vq'pqv' cngt'y g'ej cpi gu'y cv'tg'o cf g'vqf c{ 'wvkl'chngt 'y g'qpg/y ggnl'ck 'uco r nkpi 'ku'eqo r rvgf 0"

_____" " _____"
F cvg" " Uwdlgev'u'Uki pcwtg"

" " _____"
" " Uwdlgev'u'P co g'*r tlpv'rgi kdnf +"

_____" " _____"
F cvg" " Rgtuqp'Qdvclpki 'Eqpugpv'*Uki pcwtg+"

" " _____"
" " P co g'*r tlpv'rgi kdnf +"

Healthy Efficient New California Homes Study

Record of Incentive Payment

"
"
Vj g'J gcmj { 'GhhekgpV' gy 'Ecrkhtpk'J qo gu'Uwf { 'hgrf 'vgco 'j cu'eqo r rvgf 'cm'b gcuwtgo gpw"
k" { qwt'j qo gOCmlkputwo gpw'cpf 'ugpuqtu'j cxg'dggp'tgo qxgf 0"
"
K'ej cpi gu'y gtg'o cf g'v'q' { qwt'xgpvkrvkqp'u { ugo u'r tkt'v'c'k' uco r rki . 'y g'hgrf 'vgco 'j cu'rglv'j g"
ej cpi gu'lp'r rcegORgcug'vgn'y g'hgrf 'vgco 'k' { qw'r tghg'v' t'gxgtug'v'j qug'ej cpi gu'0"
"
Vj g'hgrf 'vgco 'j cu'eqmgevgf 'fck' { 'cevkxk' { 'rqi 'cpf 'uwxg' { 'hqt' 'v' cv' { qw'j cxg'eqo r rvgf 'k'cp"
gpxgnr g'r tqxkf gf 0"
"
K' { qw'j cxg's wgu'kpu'cdqw' { qwt'r ctvkr vkqp'lp'v'j ku'tgugcte'j 'uwf { . 'r rgcug'eqpvce<
"
Tgpi kg'Ej cp'cv'*732+'6: 8/8792'*qhheg+'qt'*637+'599/: 745'*egmi0

ACKNOWLEDGEMENT

"
 "Kco 'cv'rgcu'3: "{ gctu'qrf 0Ktgeglxgf "c'i km'ectf "k'v'j g'co qwpv'qh"
aa"
"
"
K'kxg'cv'v'j ku'cf f tgu<
" ""
aa"
" "
aa"
"
"
"
"

"	"	"	"
F cvg"	"	Uwdlgev'u'Uki pcwtg"	"
"	"	"	"
"	"	Uwdlgev'u'P co g'*r t'kpv'rgi kdn' +"	"
"	"	"	"
F cvg"	"	Rgtuqp'Qdvc'k'p'ki "Uki pcwtg"	"
"	"	"	"
"	"	P co g'*r t'kpv'rgi kdn' +"	"

B. Walk Through / Mechanical Ventilation System Checklist

- "
- 30 J qwug'K <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej plekcp<aaaaaaaa "
- "
- 40 I gpgtcnj qwug'ej ctcevtkueu"
- "
- c0 Uswctg'hqvcig<aaaaaaaaaaaaaa"
- "
- d0 P wo dgt"qh'uvtkgu<aaaaaaaaaaaaaa""
- "
- e0 O ctnl'qp'hqqt'r rcp'egk'pi 'j gki j w'lp'i tgcvtqqo . 'nksej gp.'hklpi 'tqqo . 'f'lp'pi " tqqo . 'dgt tqqo u.'cpf 'qyj gt'r ct w'qh'y g'j qwug'y kj 'f'khtg'pve'gk'pi 'j gki j w'0"
- "
- f0 P wo dgt"qh'tqqo u0P qv'cp{ 'f'khtg'peg'dgy ggp'cewcn'rc{ qw'cpf 'hqqt'r rcp0"
- "

"	3uv'Hqqt"	4pf'Hqqt"	5tf'Hqqt"
Dgf tqqo u"	"	"	"
Qyj gt'Tqqo u, "	"	"	"
Hwn'Devj "	"	"	"
J crh'Devj "	"	"	"

- , 'Ncwptt{ 'tqqo . 'r r{ tqqo . 'j qo g'qh'eg. 'f gp. 'gve0"
- "
- g0 I ctcig<aaaaaaaaaaaaaa" *Cwcej gf "Tf gcej gf A'Vcng'r j qv'qh'f qqt'v'j' qwug"
- "
- " "aaaaaaaaaaaaaa" *P wo dgt"qh'r ctn'pi 'ur qw+"
- "
- Wugf 'hqt'r ctn'pi "pqto cm{ Aaaaaaaaaaaaaaa" *l gu"TP q+"
- "
- h0 Vcng'c'r j qv'qh'y g'i ctcig0Uj qy 'yj g'i ctcig/vq/j qwug'lpv'gthceg" *cm'r rcp'gu+0"
- "
- i0 O ctnl'qp'hqqt'r rcp'f qqtu'v'q'wukf g' *g0 0'o ckp'f qqt. 'r cvk'f qqt. 'f qqt'v'q'i ctcig+0"
- "
- j0 Vcng'c'r j qv'qh'y g'gzv'gk'qt'qh'y g'j qwug'htqo 'htqp'v'cpf 'htqo 'dcen0"
- "
- 50 Cum'ij qo gqy pgt'hqt 'wugt'o cpwcn'qh'o gejj cplecn'xgp'v'k'v'kp'gs v'k' o gpv'cpf 'i cu' cr r r'kpegu'kh'cxck'rdng0Vcng'r j qv'qh'y g'wugt'o cpwcn'uj qy lpi 'o cng'lo qf gr0"
- "
- 60 K gp'v'kh{ 'yj g'y j qng/j qwug'xgp'v'k'v'kp'u{ uvgo "
- "
- Gzj cwv'qpn{ 0Eq'p'v'p'w'q'w'gzj cwv'hcp'hc'ec'v'f "cv<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaa"
- "

" " aaa*gd 0'rcwpt t { 'tqqo +"

"

"

☐ Gzj cwv'qpn(0k/vgto kvgpvhcp"*eqptqmgf 'd{ 'vko gt+'mjecvzf 'c<"aaaaaaaaaaaaaaaaaa"

"

" aaa*gd 0'rcwpt t { 'tqqo +"

"

"

☐ Uwr r n('qpn(0k/rkpg'uw r n('hcp'mjecvzf 'c<"aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa"

"

" aaa*gd 0'cwk+"

"

" k/rkpg'uw r n('hcp'eqppgevgf 'v'aaaaaa'uw r n('ukf g'"

" " "*****QT"aaaaaa'tgwtp'ukf g'qh'hqtegf 'ck' u{ ugo "

"

" Nqecvkp"qh'uw r n('ck' lprgv<"aa"

"

"

☐ Gzj cwv'cpf "uw r n('*dcrpegf +'mjecvzf 'c<"aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa"

"

" aaa*gd 0'cwk+"

"

" Nqecvkp"qh'uw r n('ck' lprgv<"aa"

"

" F guetkdg<"aa*gd 0'GTXIJ TX+"

"

70 Vcng'rj qv'qh'yj g'y j qrg/j qwug'xgpkrcvkp'u{ ugo "

- "
- c0 Ugr 'dcem'vq'vcng'c'rj qv'qh'yj g'i gpgtcr'uwttqwpf kpi 'y j gtg'yj g'u{ ugo 'ku'mjecvzf "
- " *gd 0'eqpvkpwqwu'gzj cwv'hcp'lp'rcwpt t { 'tqqo . 'lp/rkpg'uw r n('hcp'lp'cwk+"
- "
- d0 Emugwr 'qh'yj g'u{ ugo *gd 0'uj qy 'o cng'lo qf gn'qh'gzj cwv'hcp. 'lp/rkpg'uw r n('hcp+"
- "
- e0 Emugwr 'qh'yj g'u{ ugo 'eqptqmgf"*gd 0'y cmluy kej . 'ur ggf 'ugwkpi . 'vko gt. 'gve0"
- "

80 Kgpvkh{ 'qyj gt'o gej cplecn'xgpkrcvkp'gs vkr o gpv0'

- "
- c0 Ocuvt'dcy tqgo "
- "
- ku aaaa'Dcy 'gzj cwv'hcp0O cng'T'o qf gr"aaaaaaaaaaaaaaaaaaaaaa"
-
- *****Eqpvkpwqwu'hcpA'aaaaaaaaaaaaaaaaaaaaaa*fl gu'TP q+"
-
-
- " *****k/vgto kvgpvhcpA'aaaaaaaaaaaaaaaaaaaaaa*vko gt'ugwkpi +"

```

"
.....Eqpvqngf "d{ 'j wo kf kvcvA'aaaaaaaaaaaaaaaaaaaaaa" "TJ +"
"
".....Rj qv<aaaa'hcp'lp'tqgo . 'aaa'hcp'i tkrng.'aaa'y cmluy kej "
"
k0 Vqkrgv'lp'c'ugr ctcvg'tqgo 'Itqo 'dcy tqgo A'aaaaaaaaaaaaaa" gu"TP q+"
"
.....Kl[ gu" 'aaaa'Vqkrgv'gzj cwv'hcp00 cng"l'o qf gn<"aaaaaaaaaaaaaa"
.....
.....Eqv'p'w'q'w'hcpA'aaaaaaaaaaaaaaaaaaaaaa" gu"TP q+"
.....
".....K'p'g'to kwgpv'hcpA'aaaaaaaaaaaaaaaaaaaaaa"Vlo gt'ugv'kpi +"
.....
.....Eqpvqngf "d{ 'j wo kf kvcvA'aaaaaaaaaaaaaaaaaaaaaa" "TJ +"
"
".....Rj qv<aaaa'hcp'lp'tqgo . 'aaa'hcp'i tkrng.'aaa'y cmluy kej "
"
d0 Qy gt'dcy tqgo "3"o quv'wugf "dcy tqgo 'y cv'ku'pqv'y g'o cugt'dcy tqgo +"
"
k0 aaaa'Dcy 'gzj cwv'hcp00 cng"l'o qf gn<"aaaaaaaaaaaaaaaaaaaaaa"
.....
.....Eqv'p'w'q'w'hcpA'aaaaaaaaaaaaaaaaaaaaaa" gu"TP q+"
.....
".....K'p'g'to kwgpv'hcpA'aaaaaaaaaaaaaaaaaaaaaa"Vlo gt'ugv'kpi +"
.....
.....Eqpvqngf "d{ 'j wo kf kvcvA'aaaaaaaaaaaaaaaaaaaaaa" "TJ +"
"
".....Rj qv<aaaa'hcp'lp'tqgo . 'aaa'hcp'i tkrng.'aaa'y cmluy kej "
"
k0 Vqkrgv'lp'c'ugr ctcvg'tqgo 'Itqo 'dcy tqgo A'aaaaaaaaaaaaaa" gu"TP q+"
.....
.....Kl[ gu" 'aaaa'Vqkrgv'gzj cwv'hcp00 cng"l'o qf gn<"aaaaaaaaaaaaaa"
"
.....Eqv'p'w'q'w'hcpA'aaaaaaaaaaaaaaaaaaaaaa" gu"TP q+"
.....
".....K'p'g'to kwgpv'hcpA'aaaaaaaaaaaaaaaaaaaaaa"Vlo gt'ugv'kpi +"
.....
.....Eqpvqngf "d{ 'j wo kf kvcvA'aaaaaaaaaaaaaaaaaaaaaa" "TJ +"
"
".....Rj qv<aaaa'hcp'lp'tqgo . 'aaa'hcp'i tkrng.'aaa'y cmluy kej "
"
e0 Qy gt'dcy tqgo "4"ugeqpf "o quv'wugf "dcy tqgo 'y cv'ku'pqv'y g'o cugt'dcy tqgo +"
"
k0 aaaa'Dcy 'gzj cwv'hcp00 cng"l'o qf gn<"aaaaaaaaaaaaaaaaaaaaaa"

```

```

.....
      *****Eqpvkpwqwu'hcpA'aaaaaaaaaaaaaaaaaaaaa"fl gu"TP q+"
.....
"      *****kpwto kwgpv'hcpA'aaaaaaaaaaaaaaaaaaaaa"vlo gt"ugwvpi +"
.....
*****Eqpvqmgf "d{ 'j wo kf kvcvA'aaaaaaaaaaaaaaaaaaaaa"fl "TJ +"
"
      *****Rj qq<aaaa'hcp'lp'tqqo . 'aaa'hcp'i tkng.'aaa'y cmluy kej "
"
k0 Vqkqv'lp'c'ugr ctcvg'tqqo 'ltqo 'dcy tqo A'aaaaaaaaaaaaa"fl gu"TP q+"
.....
      *****kfl gu" 'aaaa"Vqkqv'gzj cwv'hcp00 cng"l'o qf gn"aaaaaaaaaaaaa"
.....
      *****Eqpvkpwqwu'hcpA'aaaaaaaaaaaaaaaaaaaaa"fl gu"TP q+"
.....
"      *****kpwto kwgpv'hcpA'aaaaaaaaaaaaaaaaaaaaa"vlo gt"ugwvpi +"
.....
*****Eqpvqmgf "d{ 'j wo kf kvcvA'aaaaaaaaaaaaaaaaaaaaa"fl "TJ +"
"
      *****Rj qq<aaaa'hcp'lp'tqqo . 'aaa'hcp'i tkng.'aaa'y cmluy kej "
"
f0 Qy gt'dcy tqo '5"ky kf "o qu'wugf "dcy tqo 'j cv'ku'pqv'y g'o cugt'dcy tqo +"
"
k0 aaaa'Dcy 'gzj cwv'hcp00 cng"l'o qf gn"aaaaaaaaaaaaaaaaaaaaa"
.....
      *****Eqpvkpwqwu'hcpA'aaaaaaaaaaaaaaaaaaaaa"fl gu"TP q+"
.....
"      *****kpwto kwgpv'hcpA'aaaaaaaaaaaaaaaaaaaaa"vlo gt"ugwvpi +"
.....
*****Eqpvqmgf "d{ 'j wo kf kvcvA'aaaaaaaaaaaaaaaaaaaaa"fl "TJ +"
"
      *****Rj qq<aaaa'hcp'lp'tqqo . 'aaa'hcp'i tkng.'aaa'y cmluy kej "
"
k0 Vqkqv'lp'c'ugr ctcvg'tqqo 'ltqo 'dcy tqo A'aaaaaaaaaaaaa"fl gu"TP q+"
.....
      *****kfl gu" 'aaaa"Vqkqv'gzj cwv'hcp00 cng"l'o qf gn"aaaaaaaaaaaaa"
.....
      *****Eqpvkpwqwu'hcpA'aaaaaaaaaaaaaaaaaaaaa"fl gu"TP q+"
.....
"      *****kpwto kwgpv'hcpA'aaaaaaaaaaaaaaaaaaaaa"vlo gt"ugwvpi +"
.....
*****Eqpvqmgf "d{ 'j wo kf kvcvA'aaaaaaaaaaaaaaaaaaaaa"fl "TJ +"
"
      *****Rj qq<aaaa'hcp'lp'tqqo . 'aaa'hcp'i tkng.'aaa'y cmluy kej "

```

"

g0 Ncwpt { 'tqqo ""

"

 k0 Gzj cwv'hcp'o cng"l'o qf gn"l'aaaaaaaaaaaaaaaaaaaaaa "

.....

 Eqpvkpwqu'hcpA'aaaaaaaaaaaaaaaaaaaaaa "q[gu"l'P q+"

.....

" kpvgt0 kwgpv'hcpA'aaaaaaaaaaaaaaaaaaaaaa "vko gt'ugvki +"

.....

.....Eqpvqmgf "d{ 'j wo kf krcvA'aaaaaaaaaaaaaaaaaaaaaa "v "TJ +"

"

 Rj qvq<aaaa'hcp'k'p'tqqo . 'aaaa'hcp'i tkrng. 'aaaa'y cm'uy kej "

"

h0 Mkej gp"

"

 k0 Tcpi g'j qqf "o cng"l'o qf gn"l'aaaaaaaaaaaaaaaaaaaaaa "

"

 Gzj cwv'q'qwukf gA["l'P "

.....

Wpf gt/ecdkpgv'tcpi g'j qqf "

Y cm'o qwpv'tcpi g'j qqf "

Wpf gt/ecdkpgv'o letqy cxg'eqo dq "

Krcpf 'tcpi g'j qqf "

F qy pf tch'tcpi g'j qqf "dcem"

F qy pf tch'tcpi g'j qqf "v0 kf f rg+"

"

 P wo dgt'qh'hcp'ur ggf "ugvki u<aaaaaaaaaaaaaaaaaaaaaa ""

"

 Rj qvq<aaaa'tcpi g'j qqf . 'aaaa'xgpvki 'f wev. 'aaaa'hcp'ur ggf "eqpvqni"

"

 k0 Gzj cwv'hcp'o cng"l'o qf gn"l'aaaaaaaaaaaaaaaaaaaaaa "

.....

 EqpvkpwquA'aaaaaaaaaaaaaaaaaaaaaa "q[gu"l'P q+"

.....

" kpvgt0 kwgpv'hcpA'aaaaaaaaaaaaaaaaaaaaaa "vko gt'ugvki +"

.....

.....Eqpvqmgf "d{ 'j wo kf krcvA'aaaaaaaaaaaaaaaaaaaaaa "v "TJ +"

"

Gzj cwv'hcp'k'p'y cm'cdqyg'tcpi g"

Gzj cwv'hcp'qp'egk'ki "cdqyg'tcpi g"

Gzj cwv'hcp'qp'egk'ki 'pqv'cdqyg'tcpi g"

"

 Rj qvq<aaaa'hcp'k'p'tqqo . 'aaaa'hcp'i tkrng. 'aaaa'y cm'uy kej "

"

90 J gcvpi "Teqqnpi "cpf "ck"j cpf rgt"
 "
 c0 KJ XCE"cl qpgf "u{uygo A["TP OF guetkdg<aaaaaaaaaaaaaaaaaaaaaaaaaaaa"
 "
 d0 Tgwtp"ck"tgi kvgt "hqcvkqpu<aaaaaaaaaaaaaaaaaaaaaa *o c{ "dg"o qtg"vj cp"qpg+ "
 "
 " aa "
 "
 " Tgwtp"ck"tgi kvgt "fko gpukqpu<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa "
 "
 " aa "
 "
 e0 Ck "hngt" hqcvkqpu<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaa *o c{ "dg"o qtg"vj cp"qpg+***** "
 "
 " aa "
 "
 " Eqpf kkp<aaaaaaaaaaaaaaaaaaaaaa *gd O" hng" pgy . "wugf . "xgt { "f kv{ + "
 "
 " O cng" "fo qf gn<aaaaaaaaaaaaaaaa "*****" Ncuvej cpi g" f cvg<aaaaaaaaaaaaaaaa "
 "
 " O gj qf "wugf "q" tgeqtf "hngt" ej cpi g" f cvg< "
 " *gd O" f cvg" y tkwgp" qp" hngt . "hngt" j qif gt + "
 "
 " aa "
 "
 f0 Rj qvq<aaaa" y gto qucv. "aaaa" hwtpege. "aaaa" CE. "aaaa" f vey qtm" aaaa" ck" hngt "
 "
 : 0 Cwle "
 "
 c0 Xgpvfg "qt" wpxgpvfg <aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa "
 "
 d0 Kpuwvkvq "v{r g<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa "
 "
 e0 K gpvkh{ "f vevu" cpf "cng" rj qvqu0 "
 "

"	F vev" Uk g "	CewcnF vev" Ngpi vj "	P wo dgt "qh"; 2 ^q "Vwtpu"
Mkej gp" Tcpi g" J qqf "	"	"	"
O cvgt" Dcvj tqo " Gzj cwv" Hcp "	"	"	"

Qyj gt'Dcvj tqqo "3" Gzj cwuv'Hcp"	"	"	"
Qyj gt'Dcvj tqqo "4" Gzj cwuv'Hcp"	"	"	"
Qyj gt'Dcvj tqqo "5" Gzj cwuv'Hcp"	"	"	"
Ncwpt t{'Tqqo " Gzj cwuv'Hcp"	"	"	"
Uwr r n{'Ckt'"	"	"	"
Tgwtp"Ckt"	"	"	"

"
"
; 0 I cu"cr r nkpegu"

"	Nqecvqp"	I cu"t" GrgextleA'	O cng"t'o qf gn "	Vcng" Rj qvq"
Erqyj gu'f t {gt"	"	"	"	["TP "
Eqqmqr "	"	"	"	["TP "
Qxgp"	"	"	"	["TP "
Hktgr nceg"	"	"	"	["TP "
Y cvgt'j gcvt"	"	"	"	["TP "
Qyj gt"	"	"	"	"

, "Vcng'r j qvq'q'lj qy "o cng"t'o qf gn'qh'cr r nkpegu'0'

320 Wpxgpvgf "eqo dwvqp"cr r nkpegu"

c0 Ctg'y gtg"cp{ "wpxgpvgf "eqo dwvqp"cr r nkpegu'kpenf lpi "f geqtcvkg'j gcvtuA"

F guetkdg<aa"

aa"

```

d0 Rww'c"öF Q"P QV"WUGö'hcdgn'v'q'tgo kpf 'uwf { 'r ctvkr cpv'y cv'pq'wpxgpgf "
    eqo dwvkqp"cr r rkcpegu'uj qwf 'dg'wugf 'f wtkpi 'y g'qpg'y ggmlo qpkqtkpi 'r gtkqf 0"
"
330 Vcng'r j qvq"qh'qyj gt"cr r rkcpegu'cpf 'j qwugj qrf 'r tqf wew"
"
c0 aaaa"Qvj gt'j gcvkpi "gs wkr o gpv0Nqecvkqp<aaaaaaaaaaaaaaaaaaaaaaaa"
"
d0 aaaa"Qvj gt"eqqkpi "gs wkr o gpv0Nqecvkqp<aaaaaaaaaaaaaaaaaaaaaaaa"
"
e0 aaaa"Ch'engcpgtu0Nqecvkpu<aaaaaaaaaaaaaaaaaaaaaaaa"
"
f0 aaaa"J wo kf kkg0Nqecvkqp<aaaaaaaaaaaaaaaaaaaaaaaa"
"
g0 aaaa"F gj wo kf kkg0Nqecvkqp<aaaaaaaaaaaaaaaaaaaaaaaa"
"
h0 aaaa"Rwi /kp"qt'wlem'ck't'gugj gpgtu0Nqecvkpu<aaaaaaaaaaaaaaaaaaaaaaaa""
"
i0 aaaa"DDS "T'qwf qqt'i tk0Nqecvkqp<aaaaaaaaaaaaaaaaaaaaaaaa"
"
j0 aaaa"Hkt gr k0Nqecvkqp<aaaaaaaaaaaaaaaaaaaaaaaa"

```


C. Preparation of IAQ Instruments and Activity Sensors

Pre-Visit Check of PM Instruments

```
"
30 J qwug'kF <aaaaaaaa "F cvg<aaaaaaaa "Vko g<aaaaaaaa "Vgej plekcp<aaaaaaaa"
"
40 GU/864"Qwf qqt"RO "kputwo gpv'
"
c0 Qwf qqt"RO "kputwo gpv'kF <aaaaaaaaaaaaaaaa "g0 0"RO Qa223+"
"
d0 Rqy gt"qp"GU/864"cpf"eqppgev'kputwo gpv'q"RE"xkc"ugtkcn'eqppgev'kpp0"
"
e0 Ej genlqr gtcvkqp'r ctco gvgtu<
k0 Uco r rkp'i "o qf g"? "Eqpvkpwqu"
k0 Cwq'j gtq'kpvgtxcn"? "J qvtnf "
k0 FCE"xqnci g'tcpi g"? "2/32"XFE"
k0 FCE"eqpegpvcvkqp'tcpi g"? "3222"wi "
x0 M'hcevqt"? "30"
xk0 TJ "ugv'r qlpv"? "82" "
"
f0 Tgeqtf"htqo "uetggp"fkurrc{<
"
k0 Vgo r gtcwtg<aaaaaaaaaaaaaaaa "qE"
"
k0 Tgrcvkxg'j wo kf kv{ <aaaaaaaaaaaaaaaa " "
"
k0 Dctqo gtle'r tguumtg<aaaaaaaaaaaaaaaa "o Dct"
"
k0 k'kputwo gpv'j cu'dggp"uqtf"kp'f qqt."j g"cdqyg'r ctco gvgtu'uj qwf "ci tgg"
y kj "gpxktqpo gpvcn'ugpuqt0"
"
g0 Rgthqto "hny "ej genl
"
k0 Hny "uj qwf "dg"o ckpvkpgf "q'y kj kp"- 1/20"NRO "k0030 "q"40"NRO +"
"
k0 Eqppgev'kputwo gpv'q"c'tghgtgpeg'hny "o gvt "g0 0"i kkdctvqt+"
"
k0 Tghgtgpeg'hny <aaaaaaaa."aaaaaaaa."aaaaaaaa"NRO "before"ecnkdtcvkqp"
"
k0 Ej cpi g"HNQY "r ctco gvt"wulpi "ugtkcn'eqppgev'kqp"q"j g'tghgtgpeg'hny "
tgcflpi "h'pgeguuct{0"
"
x0 Tghgtgpeg'hny <aaaaaaaa."aaaaaaaa."aaaaaaaa"NRO "after"ecnkdtcvkqp"
```

"

h0 Rgthqto "VUR'kprgv'cpf 'e{enppg'ergcplki 'o qpvj n' "k0'cr r tqzko cvgn' 'chgt'6"qpg/
y ggn'uco r rki +hmqy kpi 'O gvQpg'qr gtcvqp'o cpwcnDUwi i guv'cf f kpi 'c'ukengt"
pqvg'qp 'yj'g'kpustwo gpv'y kj 'yj'g'f cvg'qh'rcu'ergcplki 0"

"

" VUR'kprgv'cpf 'e{enppg'ergcplki 'r gthqto gf A<I "TP ""

"

i 0 Eqphki wtg"J QDQ'f cvc'hqi i gt""

"

k0 Ncwpej kpi 'y km'gtcug'f cvc0O cng'uwg'yj cv'uvqtgf 'f cvc'j cu'dggp"
f qy pncf gf "dghqtg'rcwpej kpi 0"

"

k0 Dcwtg { 'ngxn'aaaaaaaaaaaaaaaa "ej cpi g'dcwtg { 'kh'>72' +"

"

k0 Ugrgev'2/32X'ecdng'hqt'Ej cpggn'3"
kx0 Uecrkpi "? 'z322"
x0 NEF 'wpl'?' 'wi "
xk0 F kucdng'crcto "cpf 'Hngtu"
xk0 Nqi i kpi 'kpvgtxcil'? '3'o kpwg"
xk0 Nqi i kpi 'o qf g'? 'Ucv'uk'eu'*Cxgtci g+ "
kz0 Uctv'hqi i kpi "? 'Rwuj 'Dwwqp"
z0 Uqr 'hqi i kpi "? 'Y j gp'o go qt { 'hku"

"

50 DV/867'kpf qqt'RO 'kpustwo gpv'

"

c0 kpf qqt'RO 'kpustwo gpv'kF <aaaaaaaaaaaaaaaa "g0 0'RO k223+ "
"

d0 Rqy gt'qp'kpustwo gpv0'

"

e0 Ej genl'cpf 'cf lww'f gxleg'emqen'lq'o cvej 'RE'f cvg'kko g0"
"

F cvg<aaaaaaaaaaaaaaaaaaaaa "" ""Vko g<aaaaaaaaaaaaaaaaaaaaa "

"

f0 O cng'uwg'yj cv'uvqtgf 'f cvc'j cu'dggp'f qy pncf gf . 'yj'gp'engct'o go qt { 0'
"

g0 Ej genl'qr gtcvqp'r ctco gygtu<'
k0 Uco r ng'r gtlqf '? '3'o kpwg"
k0 Eqpegpvtcvqp'wpl'?' 'wi lo 5"
k0 Nqecvqp'kF '? '223'*UEI 'Ugv3+.'224'*UEI 'Ugv4+.'"
".....225'*RI G'Ugv3+.'226'*RI G'Ugv4+ "
kx0 M'Hevqt'? '3Q"

"

"

h0 Rgthqto 'hmqy 'ej genl'

```

"
k0 Hny "uj qwf "dg"o ckwkpgf "q"y kj kp"- 1"28"NRO "10030 "q"48"NRO +"
"
k0 Eqppgevlputwo gpv"q"tghgt gpeg'hny "o gvt "gf 0"l kldtcvt+"
"
k0 Tghgtgpeg'hny <aaaaaaaa.'aaaaaaaa.'aaaaaaaa"NRO "before"ecrldtcvkp"
"
k0 Htqo "j g"UGV"HNQY "UETGGP."cf lww"q"qdvckp"48"NRO "- 1"28"NRO "
qp"j g'tghgt gpeg'hny "k'pgeguuct { 0"
"
x0 Tghgtgpeg'hny <aaaaaaaa.'aaaaaaaa.'aaaaaaaa"NRO "after"ecrldtcvkp"
"
i 0 Rgthqto '| gtq"ej genl'
"
k0 Tgo qxg'uco r kpi 'kprv'cpf 'cwcej '\ GTQ"HNKVT"CUUGO DN[ 0'
"
k0 Htqo '\ GTQ"UETGGP."gpvt "q"dgi kp"| gtq"ecrldtcvkp0'
" "
" " \ GTQ"PI "Uctv"ko g<aaaaaaaaaaaaaaaaaaaaaaaaaaaa"
"
\ GTQ"EQO RNVG"ko g<aaaaaaaaaaaaaaaaaaaaaaaaaaaa"
"
j 0 Hwm{ "ej cti g"dcwgt { "ht"ukf g/d{/ukf g'eqo r ctkuq"y kj "GU/864"cv'uwf { "j qo g0'

```

Pre-Visit Check of CO2 Instruments

"

30 J qwug'KF <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej plekcp<aaaaaaaa "

"

40 EQ4"kpwtwo gpv'KF <aaaaaaaa."aaaaaaaa."aaaaaaaa."aaaaaaaa."aaaaaaaa "

"*g0 0EQ4a233+ "

"

50 Tgo qxg'o go qt { 'ectf . 'o cng'lwgt'vj cv'lwqtf 'f cv'j cu'dggp'f qy pmqf gf . 'yj gp'engct "

o go qt { 0 "

"

60 Rqy gt "qp'EQ4"o qpkqtu'wukpi 'r nmi /kp'cf cr vqt0 "

"

70 Wug'c'pgy 'o go qt { 'ectf 'kh'y gtg'ku'c'r tqdrgo "öEJ /ECtf ö"qt'öP q'ECtf ö0 "

"

80 Ej cpi g'CCC'dcwgltgu'kh'dcwglt { 'ku'hqy "öNqdCvö0 "

"

90 Rtguu'cpf 'j qrf "UGV'hqt "@ 'ugeqpf u0Tgeqtf 'qr gtcvkqp'r ctco gvgtu'lp'vcdrg'dgmy 0 "

"

c0 Ugv'f cvg'cpf "vlo g"öf C\Gö'v'q'o cvvj 'RE0 "

"

d0 Ugv'uco r rg'tcvg"öUR/vö"? '82'ugeqpf u0 "

"

e0 Qyj gt'qr gtcvkqp'r ctco gvgtu<

 k0 ödGGRö"? 'QH'%'dggg gt'qhh+ "

 kk0 öf GEö"? 'WUC'%'f geko cñej ctcevt+ "

 kk0 övEHö"? 'qE "

 kk0 öJ K j /ö'cpf "öJ K j Hö"? '2'%'pq'j gli j v'eqo r gpucvkqp+ "

"

"	%ZP "	%ZP "	%ZP "	%ZP "	%ZP "
F cvg"	"	"	"	"	"
Vlo g"	"	"	"	"	"
Uco r rg'Tcvg"	"	"	"	"	"

"

: 0 Rtguu'cpf 'j qrf "NQI I GT'hqt "@ 'ugeqpf u'v'q'dgi kp'mji i kpi 0 "

"

; 0 FCVCNQI I GT'y kn'cr r gct'lp'f kur rc { 0Tgeqtf 'EQ4"eqpegpvcvkpu*'r r o +0 "

"

"	%ZP "	%ZP "	%ZP "	%ZP "	%ZP "
Vlo g"	"	"	"	"	"
TJ " "	"	"	"	"	"

Vgo r "*qE+"	"	"	"	"	"
EQ4, "rro +"	"	"	"	"	"

, Vj g'ceewtce{ "qh'Gzvej 'EQ4'o qpkqtu'ctg"- l'62'rro 'hqt'eqpegpvtcvkqpu">3222'rro 0'

"

320 Cmry 'EQ4'o qpkqtu'q'qr gtcvg'hqt'82'o kpwgu0"

"

330 Rtguu'cpf "j qrf 'NQI I GT'hqt"@'ugeqpf u'q'gpf 'rqi i kpi 0F CVCNQi I GT'y krlej cpi g'q"
F CVC00 ggt'y krleqwpv'f qy p'yj tqwi j 'yj g'tgeqtf gf 'fcvc0"

"

340 Wpr nxi 'cmEQ4'o qpkqtu0"

"

Pre-Visit Check of NO2 Instrument

"

30 J qwug'K <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej plekcp<aaaaaaaa "

"

40 Cgtqs wcn'kputwo gpv'K <aaaaaaaaaaaaaaaa "

"

50 Uy kej "qp"Cgtqs wcn'cpf "cmqy 'ugpuqt"q'y cto "wr'hqt"52"o kpwgu0

"

60 Hqmjy "xkf gq" f go qputcvkqp"q"r gthqto " | gtq"cpf "ur cp"ecrkdtevkqp"

"

 c0 Ej cti g"T64"ecrkdtevkqp"i cu'ceeguqt { 'y kj "7i "qh'y cvgt'y kj "y cvgt"u{ t'kpi g'xlc" y cvgt'kprg0

"

 d0 Ugwr " | gtq"ckt"cv'20"NRO "wukpi "c'eqpuwcpv'hmjy "tgi wrcvt0"

"

 e0 Eqppgev | gtq"ckt"cv'20"NRO "kpvq"T64"i cu'kprgv'xlc"wdkpi "cpf "Nwgt"Hkwpki 0"

"

 f0 Rrcg'y cto gf "wr "Cgtqs wcn'ugpuqt"j gcf "kp"T64"qwwrg0"

"

 g0 Hmjy " | gtq"ckt"wpvritgcf kpi "ku'uvcdrg"*32"o kpwgu+0

"

 h0 Cgtqs wcn'tgcf kpi <aaaaaaaaaaaaaaaaaaaa "r r o "

"

 i0 Gpvg't'ECN'KDT'CVG'o qf g'cpf "ugrgev\ GTQ'ECN"

"

 j0 \ gtqkpi "qh"Cgtqs wcn'eqo r rvgvf "cv<aaaaaaaaaaaaaaaaaaaaaa "Vlo g+"

"

 k0 Ugwr "P Q4"*3rro +ecrkdtevkqp"i cu'hqmjy kpi "uvgr u"*d+/"*g+0Rgthqto "y ku'vguv'kp" hwo g'j qqf "EcnlQJ UC"RGN"? "3"rro +0"

"

 l0 Cgtqs wcn'tgcf kpi <aaaaaaaaaaaaaaaaaaaa "r r o "

"

 n0 Gpvg't'ECN'KDT'CVG'o qf g'cpf "ugrgev'URCP "ECN"

"

 r0 Tgeqtf "ewttgpv'I CK <aaaaaaaaaaaaaaaaaaaaaa "

"

 o0 Ecrcwcvg"pgy "I CK "? "ewttgpv'I CK "z"3"rro "ur cp"i cu+"TCgtqs wcn'tgcf kpi "

"

 p0 Tgeqtf "pgy "I CK <aaaaaaaaaaaaaaaaaaaaaa "

"

 q0 Ur cp'ecrkdtevkqp"qh"Cgtqs wcn'eqo r rvgvf "cv<aaaaaaaaaaaaaaaaaaaaaa "Vlo g+"

"

70 Ej genlj cv'uqtgf "f cwc"j cu'dggp" f qy pmqcf gf . 'yj gp'engct"o go qt { 0

"

Pre-Visit Check of Formaldehyde Instruments

- "
- 30 J qwug'F <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej plekcp<aaaaaaaa "
- "
- 40 Hqto cuf gj { f g'kputwo gpv'F <aaaaaaaaaaaaaaaa. "aaaaaaaaaaaaaaaa "
- "*g0 0HFO a233+ "
- "
- 50 Xgtkh{ 'y cv/4'pgy "ugpuqt'ectvki i gu'ctg'cxckrdrg'hqt'wug0"
- "
- 60 Vwtp'qp'hqto cuf gj { f g'o qpkqtu0'
- "
- 70 Ej genly cv'wqtgf "fcw'j cu'dggp'f qy pmcf gf . 'y gp'engct'o go qt {0"
- "
- 80 Ej genly cv'y g'fcv'lvlo g'ci tgg'y kj 'REOCflwv'kh'pgeguuct {0"
- "

"	%QZP "	%QZP "
F cvg"	"	"
Vlo g"	"	"
O gcwugo gpv'F wcvkqp, "	"	"

, 'Ugv'vq'52'o kpwgu0"

"

Pre-Visit Check of Data Loggers

"

30 J qwug'KF <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej plekcp<aaaaaaaa "

"

Qpg/y ggnlo qpkqtłpi 'uej gf wrgf 'uvtv'f cvg<aaaaaaaaaaaaaaaaaaaa "

"

40 F ki k/Ugpug'Cpgo qo gvgt ""

"

c0 Kputwo gpv'KF <aaaaaaaaaaaaa."aaaaaaaaaaaaa."aaaaaaaaaaaaa."aaaaaaaaaaaaa "

" " " " *gđ 0CPO a233+"

"

d0 Eqppgev'F ki k/Ugpug'Cpgo qo gvgt 'v'RE0Ej gen'lj cv'uvqtgf 'f cv'j cu'dggp" f qy pıqcf gf 0"

"

e0 Erlem'Ugwr "sj ki'cwqo cvkcm{ "gtcug'f cvc+"

 k0 O qf g'uvvtv'? "O CP WCN"

 kk0 Uco r rg'r qkp'? "54222"

 kk0 Uco r rg'tcvg'? "52'ugeqpf u"

 kx0 Cıcto 'ugwłpi 'wpej gen"

"

f0 TGE'f qwdrg/hıuj 'i tggp'gxgt { "32'ugeqpf u'y j gp'kp'O CP WCN'o qf g'uvcpf d{ "

"

g0 Ej cpi g'dcwtg { 'h'CN0 'f qwdrg/hıuj " { gmıy "gxgt { "32'ugeqpf u"

"

50 kDwwqp'Vgo r gtcwtg'Nqi i gt ""

"

c0 Kputwo gpv'KF <"aaaaaaaaaaaaa."aaaaaaaaaaaaa."aaaaaaaaaaaaa."aaaaaaaaaaaaa "

"

 "aaaaaaaaaaaaa."aaaaaaaaaaaaa ""*gđ 0kDwa233+"

"

d0 Eqppgev'kDwwqp'v'RE'cpf 'ugıgev'ıtqo 'F gxleg'Nkuv0"

"

e0 K'uvqtgf 'f cv'j cu'pqv'dggp'f qy pıqcf gf . 'vj gp'ugıgev'O kUUKQP 'cpf 'ucxg" Vgo r gtcwtg'F cv'Nqi 'v'ıeux'ııto cv0"

"

f0 Uctv'P gy 'O kukqp'cwqo cvkcm{ "qxgty tkv'gzkłpi 'f cvc+"

 k0 U{pe'emem'? "ı gu"

 kk0 F kucdrg'tqmıxgt"

 kk0 Uco r rłpi 'tcvg'? "; 2'ugeqpf u"

 kx0 Tguınwłqp'? "20'qE"

 x0 O kukqp'uvvtv'f grc { "ugv'ceeqtłf łpi 'v'q'pıg/y ggnlo qpkqtłpi 'uej gf wrgf 'uvtv' f cvg"

 xk0 UWV "Uctv'Wr qp'Vgo r gtcwtg'Cıcto +"qıh"

"

60 Qpugv'Ucv'F c'v'Nqi i gt''

"

c0 Kputwo gpv'F <aaaaaaaaaaaaa."aaaaaaaaaaaaa."aaaaaaaaaaaaa''

'''

" " *g0 0UVCa233+"

"

d0 Eqppgev'f c'v'Nqi i gt'v'RE0T gcf'qw'f c'v'Nqi i gt'dghqtg'rcwpej kpi 'kh'vqtgf'f c'v' j cu'pqv'dggp'f qy pncf gf 0Wug'Gzr qtv'F c'v'Vcdng'v'ucxg'f c'v'k'c'ux'hqto c'v''

'''

e0 Ej gemldcwtg { 'ngxgn0Tgr rneg'5X'dcwtg { 'kh': 2' 0''

"

f0 Ej gemlj cv'y g'kpenf gf 'o ci pgv'ku'r tgu'p'v'ht'wug'y kj 'y g'f c'v'Nqi i gt''

"

g0 Ugv'w' 'y g'f c'v'Nqi i gt'<

k0 Eqphki wtg'k'p'v'g't'p'c'n'ugpuqt'v'Nqi "otwvko go"

kk0 Ugv'uetggp'v'f kur r { 'ovko go'y j gp'uy ke'j '*f qqt+'ku'qr gp''

kk0 Nqi i kpi 'k'p'v'g't'x'c'n'? '82'ugeqpf u''

kx0 Uctv'Nqi i kpi 'd { 'Rwuj 'Dwwqp'*Nqi i kpi 'dgi kpu'y j gp'Uctv'Uqr 'dwwqp'ku' r tgu'gf '+'

x0 Uqr 'tgeqtf kpi 'y j gp'o go qt { 'hku''

xk0 Mgr 'NEF 'uetggp'qp''

"

h0 Ncwpej 'f c'v'Nqi i gt'*j ku'y km'q'x'g'ty tkg'o go qt { +0'

"

70 Qpugv'O qvt'QpIQh'F c'v'Nqi i gt''

"

c0 Kputwo gpv'F <aaaaaaaaaaaaa."aaaaaaaaaaaaa."aaaaaaaaaaaaa''

'''

" " *g0 0O VTa233+"

"

d0 Eqppgev'f c'v'Nqi i gt'v'RE0T gcf'qw'f c'v'Nqi i gt'dghqtg'rcwpej kpi 'kh'vqtgf'f c'v' j cu'pqv'dggp'f qy pncf gf 0Wug'Gzr qtv'F c'v'Vcdng'v'ucxg'f c'v'k'c'ux'hqto c'v''

'''

e0 Ej gemldcwtg { 'ngxgn0Tgr rneg'5X'dcwtg { 'kh': 2' 0''

"

f0 Ugv'w' 'y g'f c'v'Nqi i gt'<

k0 Eqphki wtg'k'p'v'g't'p'c'n'ugpuqt'v'Nqi "otwvko go"

kk0 Ugv'uetggp'v'f kur r { 'ovko go'y j gp'o qvt'ku'qhh''

kk0 Nqi i kpi 'k'p'v'g't'x'c'n'? '82'ugeqpf u''

kx0 Uctv'tgeqtf kpi 'd { 'Rwuj 'Dwwqp'*Nqi i kpi 'dgi kpu'y j gp'Uctv'Uqr 'dwwqp'ku' r tgu'gf '+'

x0 Uqr 'Nqi i kpi 'y j gp'o go qt { 'hku''

xk0 Mgr 'NEF 'uetggp'qp''

"

g0 Ncwpej 'f c'v'Nqi i gt'*j ku'y km'q'x'g'ty tkg'o go qt { +0'

"

80 Qpugv'Rmi 'Nqcf 'F cvc'Nqi i gt''''

"

c0 Kputwo gpv'KF <aaaaaaaaaaaaa "

"

d0 Eqppgev'f cvc'iqi i gt'vq'RE0Tgcf "qw'f cvc'iqi i gt'dghqtg'rcwpej kpi 'kh'uvqtgf "f cvc"
j cu'pqv'dggp'f qy pncf gf 0'Wug'Gzr qt v'F cvc'Vcdng'vq'ucxg'f cvc'kp'0eux'hqto cv0''''

"

e0 Ej gemidcwtg { 'ngxgn0Tgr nceg'CCC'dcwtgku'kh': 2' 0'

"

f0 Ugv'wr 'vj g'f cvc'iqi i gt<'

k0 Ugrgev'vq'o gcuwtg'Cevkxg'Rqy gt '*Y . 'cxgtci g+'

kk0 Nqi i kpi 'kpvgtxcn'? '82'ugeqpf u"

kkk0 Uctv'iqi i kpi 'd { 'Rwuj 'Dwwqp '*iqi i kpi 'dgi kpu'y j gp'UctvUqqr "dwwqp'ku"
rtguugf +"

kk0 Uqqr 'tgeqtf kpi 'y j gp'o go qt { 'hku"

x0 Mgr 'NEF "uetggp'qp"

"

g0 Ncwpej 'f cvc'iqi i gt '*j ku'y kn'qxyty tkg'o go qt { +"

"

90 Qpugv'Vgo r gtcwtgITgrv'xg'J wo kf kv' 'F cvc'Nqi i gt''''

"

c0 Kputwo gpv'KF <aaaaaaaaaaaaa.'aaaaaaaaaaaaa '*gd 0VTJ a233+ "

"

d0 Eqppgev'f cvc'iqi i gt'vq'RE0Tgcf "qw'f cvc'iqi i gt'dghqtg'rcwpej kpi 'kh'uvqtgf "f cvc"
j cu'pqv'dggp'f qy pncf gf 0'Wug'Gzr qt v'F cvc'Vcdng'vq'ucxg'f cvc'kp'0eux'hqto cv0''''

"

e0 Ej gemidcwtg { 'ngxgn0Tgr nceg'5X'dcwtg { 'kh': 2' 0''

"

f0 Ugv'wr 'vj g'f cvc'iqi i gt<'

k0 Ugv'crcto 'vq'QHH'

kk0 Ugrgev'vq'iqi 'dqj 'vgo r gtcwtg'cpf 'tgrv'xg'j wo kf kv' "

kkk0 Nqi i kpi 'kpvgtxcn'? '82'ugeqpf u"

kk0 Nqi i kpi 'o qf g'? 'ucv'k'ueu.'cxgtci g.'uco r kpi 'gxgt { '37'ugeqpf u"

x0 Uctv'iqi i kpi 'd { 'Rwuj 'Dwwqp '*iqi i kpi 'dgi kpu'y j gp'UctvUqqr "dwwqp'ku"
rtguugf +"

xk0 Uqqr 'tgeqtf kpi 'y j gp'o go qt { 'hku"

xkk0 Mgr 'NEF "uetggp'qp"

"

g0 Ncwpej 'f cvc'iqi i gt '*j ku'y kn'qxyty tkg'o go qt { +0'

"

: 0 Qpugv'Gperuqgf 'Vgo r gtcwtgITgrv'xg'J wo kf kv' 'F cvc'Nqi i gt''''

"

c0 Kputwo gpv'KF <aaaaaaaaaaaaa.'aaaaaaaaaaaaa.'aaaaaaaaaaaaa.'aaaaaaaaaaaaa "
" " " " *gd 0VTQa233+ "

```

"
d0 Eqppgev'f cve'nqi i gt 'vq'RE 'wukpi 'WUD/QR v'e'Dcug'Uc'v'kp0T gcf 'qwf'f cve'nqi i gt"
dghqtg'rcwpej kpi 'kh'uvqtgf 'f cve'j cu'pqv'dggp'f qy p'ncf gf 0'Wug'Gzr qtv'F cve'Vcdng"
vq'ucxg'f cve'kp'0'ux'hqto cv0"
""
e0 Ej gemldcwtg { 'ngxgn0Tgr r'ceg'CC'dcwtg { 'kh': 2' 0"
"
f0 Ugv'wr 'vj g'f cve'nqi i gt<
    k0 Ugrgev'vq'nqi 'dqj 'vgo r gtcwtg'cpf 'tgr'v'xg'j wo kf kv{ "
    k0 Nqi i kpi 'kpvgtxcn'? '82'ugeqpf u"
    k0 Ugrgev'f grc { 'u'ctv'cee'qtf kpi 'vq'qpg/y ggm'lo qpkqtkpi 'uej gf wrgf 'u'ctv'f cvg"
    kx0 Uqr 'tgeqtf kpi 'y j gp'o go qt { 'hkm"
"
g0 Ncwpej 'f cve'nqi i gt '*vj ku'y km'qxgty tkg'o go qt { +0'
"
"

```

Pre-Visit Check of Passive Samples

"
 30 J qwug'KF <aaaaaaaa "F cyg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej pkekcp<aaaaaaaa "

"
 40 Rcuukxg'P Q4'uco r rgtu"
 "

c0 Nqecvg'Qi cy c'P Qz IP Q4'uco r rgt'cuugo drkgu*5+- 'hgrf 'drcpn'cpf 'ej genl
 rcdgrki 0"
 " "

"	Uco r rg'KF , "
Qwf qqt"	"
Kpf qqt'O qpkqtkpi 'Ucvkqp"	"
Kpf qqt'O qpkqtkpi 'Ucvkqp'*F wr rkecvg+"	"
Hgrf 'Drcpn'	"

, 'QI Y a22Za[[[[/O O /FF '*f c{ 'y j gp'uco r rg'y cu'r tgr ctgf 'd{ 'NDP N+ "

d0 Rwf'cm'Qi cy c'P Qz IP Q4'uco r rgt'cuugo drkgu'kp'c' kr rmen'htgg| gt'dci 'rddgrf "
 oOgawa NOx/NO2 Samplerö"cpf 'uqtg'cv'htkf i g'*pqv'htgg| gt+ "
 e0 Dtkpi 'yj g'uco r rgtu'qwh'htqo 'yj g'htkf i g'cv'igcu'34'j tu'dghqtg'f gr mq{ 'yj go . "vq"
 o cng'yj go 'tqqo 'vgo r gtcwtg'*q42'qE+0"
 "

50 Rcuukxg'hqto crf gj { f g'uco r rgtu"
 "

c0 Ncdgrl'UME 'WO Gz '322'uco r rgtu'*6+'qp' kr 'dci u0"
 "

"	Uco r rg'KF , "
Qwf qqt"	"
Kpf qqt'O qpkqtkpi 'Ucvkqp"	"
Kpf qqt'O qpkqtkpi 'Ucvkqp'*F wr rkecvg+"	"
O cuxgt'Dgf tqqo ""	"

, 'WO Ga22Za[[[[/O O /FF '*f c{ 'y j gp'uco r rg'y cu'r tgr ctgf 'd{ 'NDP N+ "

d0 Rwf'cm'UME 'WO Gz '322'uco r rgtu'kp'c' kr rmen'htgg| gt'dci 'rddgrf "
 oFormaldehyde UMEx Samplerö"cpf 'uqtg'kp'htgg| gt0"
 "

60 Rtgr ctg'qyj gt'o kue0'lw r rkgu"
 "

```

c0 Uqtg'vj g'hqmqy kpi 'kp'c'htgg| gt'dci "
"
    k0 Y kr g'vj g'qwf qqt'uco r rkp| 'ecr 'engcp'y kj 'Mko y kr gu'y gv'y kj 'y cvgt'kh'
    pgeguuct { '+'
"
    k0 Kpf qqt'r cuukxg'uco r rgt'ucpf '*5+'
"
    k0 Qi cy c'uw r qt v'erkr '*5+'
"
    k0 P ktkrg'r qy f gt/ht gg'i mpxgu'*4- 'r cktu+"
"
d0 Rtgr ctg'5"cf f kkpnc|ht gg| gt'dci u'vq'uvtg'uco r ngu'chvt'uco r rkp| 0"
"
    k0 Qwf qqt'Rcuukxg'Uco r rgt"
"
    k0 Kpf qqt'Rcuukxg'Uco r rgt"
"
    k0 O cvgt'Dgf tqpo 'Rcuukxg'Uco r rgt"
"
"
"

```

D. Occupancy and Indoor Activities Data Log

Instructions: Please fill out this data log each day, or on the following day.

Please enter your best estimates. If you are unsure, please provide your best guess.

Do not list the names of any people.

Eqf g'pwo dgt'hqt"j qo g'aaaaaaaaa"

"

Day 1 F cvg'aaaaaaaaaaaaaaaaa" " " " F cvg'eqo r rvgf 'aaaaaaaaaaaaa"

"

	Midnight to 7am	7am to 11am	11am to 1pm	1pm to 5 pm	5pm to 9pm	9pm to Midnight
Number of people in home	"	"	"	"	"	"
Cooktop use Number of minutes	"	"	"	"	"	"
Oven use Number of minutes	"	"	"	"	"	"
BBQ/outdoor grill Number of minutes	"	"	"	"	"	"
Vacuuming Number of minutes	"	"	"	"	"	"
Window Use Number of minutes	"	"	"	"	"	"
Other notable* indoor/outdoor events	"	"	"	"	"	"

" Hqt "gzco r rg.'wug"qh'ht gr rneg.'ecpf rg.'ckt'ht guj gpgt.'ckt'ergcpgt.'j wo kf kktg.'wpwucn'qwf qqt'ckt"

s wkrk'(*y qqf 'uo qng.'y kf hktg+'.cpf 'uq'qp0"

"

"

Day 2 F cvg'aaaaaaaaaaaaaaaaa" " " " F cvg'eqo r rvgf 'aaaaaaaaaaaaa"

"

	Midnight to 7am	7am to 11am	11am to 1pm	1pm to 5 pm	5pm to 9pm	9pm to Midnight
Number of people in home	"	"	"	"	"	"
Cooktop use Number of minutes	"	"	"	"	"	"
Oven use Number of minutes	"	"	"	"	"	"
BBQ/outdoor grill Number of minutes	"	"	"	"	"	"
Vacuuming Number of minutes	"	"	"	"	"	"
Window Use	"	"	"	"	"	"

Number of minutes						
Other notable* indoor/outdoor events	"	"	"	"	"	"

"Hqt"gzco r rg."wug"qh'ht gr ræg."ecpf rg."ct'ht guj gpgt."ct"ergcpgt."j wo kf khtg."wpwucn'qwf qqt"ct"
 s wrk\{"*y qqf "uo qng."y kf hktg+."cpf "uq"qp0"
 "

Day 3<F cvg"aaaaaaaaaaaaaaaaaaaa" " " " " F cvg"eqo r rvgf "aaaaaaaaaaaa"
 "

	Midnight to 7am	7am to 11am	11am to 1pm	1pm to 5 pm	5pm to 9pm	9pm to Midnight
Number of people in home	"	"	"	"	"	"
Cooktop use Number of minutes	"	"	"	"	"	"
Oven use Number of minutes	"	"	"	"	"	"
BBQ/outdoor grill Number of minutes	"	"	"	"	"	"
Vacuuming Number of minutes	"	"	"	"	"	"
Window Use Number of minutes	"	"	"	"	"	"
Other notable* indoor/outdoor events	"	"	"	"	"	"

"Hqt"gzco r rg."wug"qh'ht gr ræg."ecpf rg."ct'ht guj gpgt."ct"ergcpgt."j wo kf khtg."wpwucn'qwf qqt"ct"
 s wrk\{"*y qqf "uo qng."y kf hktg+."cpf "uq"qp0"
 "
 "

Day 4<F cvg"aaaaaaaaaaaaaaaaaaaa" " " " " F cvg"eqo r rvgf "aaaaaaaaaaaa"
 "

	Midnight to 7am	7am to 11am	11am to 1pm	1pm to 5 pm	5pm to 9pm	9pm to Midnight
Number of people in home	"	"	"	"	"	"
Cooktop use Number of minutes	"	"	"	"	"	"
Oven use Number of minutes	"	"	"	"	"	"
BBQ/outdoor grill Number of minutes	"	"	"	"	"	"
Vacuuming Number of minutes	"	"	"	"	"	"
Window Use Number of minutes	"	"	"	"	"	"
Other notable* indoor/outdoor events	"	"	"	"	"	"

"Hqt"gzco r rg."wug"qh'ht gr ræg."ecpf rg."ct'ht guj gpgt."ct"ergcpgt."j wo kf khtg."wpwucn'qwf qqt"ct"
 s wrk\{"*y qqf "uo qng."y kf hktg+."cpf "uq"qp0"

Day 5 F cvg "aaaaaaaaaaaaaaaaaaaa" " " " " F cvg "eqo r rvgf "aaaaaaaaaaaa"

	Midnight to 7am	7am to 11am	11am to 1pm	1pm to 5 pm	5pm to 9pm	9pm to Midnight
Number of people in home	"	"	"	"	"	"
Cooktop use Number of minutes	"	"	"	"	"	"
Oven use Number of minutes	"	"	"	"	"	"
BBQ/outdoor grill Number of minutes	"	"	"	"	"	"
Vacuuming Number of minutes	"	"	"	"	"	"
Window Use Number of minutes	"	"	"	"	"	"
Other notable* indoor/outdoor events	"	"	"	"	"	"

" Hqt "gzco r rg. "wug"qh'ht gr rneg. "ecpf rg. "ckt 'ht guj gpgt. "ckt "engcpgt. "j wo kf hkt. "wpwuwcn'qwf qqt "ckt " s wrkv { "y qqf "uo qng. "y kf hkt g+. "cpf "uq "qp0"

Day 6 F cvg "aaaaaaaaaaaaaaaaaaaa" " " " " F cvg "eqo r rvgf "aaaaaaaaaaaa"

	Midnight to 7am	7am to 11am	11am to 1pm	1pm to 5 pm	5pm to 9pm	9pm to Midnight
Number of people in home	"	"	"	"	"	"
Cooktop use Number of minutes	"	"	"	"	"	"
Oven use Number of minutes	"	"	"	"	"	"
BBQ/outdoor grill Number of minutes	"	"	"	"	"	"
Vacuuming Number of minutes	"	"	"	"	"	"
Window Use Number of minutes	"	"	"	"	"	"
Other notable* indoor/outdoor events	"	"	"	"	"	"

" Hqt "gzco r rg. "wug"qh'ht gr rneg. "ecpf rg. "ckt 'ht guj gpgt. "ckt "engcpgt. "j wo kf hkt. "wpwuwcn'qwf qqt "ckt " s wrkv { "y qqf "uo qng. "y kf hkt g+. "cpf "uq "qp0"

Day 7 F cvg "aaaaaaaaaaaaaaaaaaaa" " " " " F cvg "eqo r rvgf "aaaaaaaaaaaa"

Midnight	7am to	11am to	1pm to	5pm to	9pm to
----------	--------	---------	--------	--------	--------

	to 7am	11am	1pm	5 pm	9pm	Midnight
Number of people in home	"	"	"	"	"	"
Cooktop use Number of minutes	"	"	"	"	"	"
Oven use Number of minutes	"	"	"	"	"	"
BBQ/outdoor grill Number of minutes	"	"	"	"	"	"
Vacuuming Number of minutes	"	"	"	"	"	"
Window Use Number of minutes	"	"	"	"	"	"
Other notable* indoor/outdoor events	"	"	"	"	"	"

"Hqt"gzco r ng."wug"qh'ht gr mreg."ecpf ng."ckt'ht guj gpgt."ckt"erpcpgt."j wo kf kkgd."wpwucn'qwf qqt'ckt"
s wcrk\{"*y qqf "uo qng."y kf hkg±"cpf "uq"qp0"

"
"

Thank you for completing this data log!"

"

Vj g'lphtqto cvkqp"{qwr tqxkf gf 'y knj gr 'wu'lpvgr tgv'y g'o gej cplecn'xgpwcvkqp"cpf 'kpf qqt'ckt "
s wcrk\{"o gcuwgo gpw'y cv'tg'i cyj gtgf 'htqo "{qwt'j qo g0Y g'i tgcw\{"cr r tgekyg"{qwt'ko g'cpf "
ghqt v'lp'r tqxkf lpi 'wu'y kj 'y ku'f cwc0"

"

Rrgcug'vcng"c"o qo gpv'q'i kxg'wu'hggf dcentlqp"{qwt'gZR gtkgpeg"cu'c"uwf {"r ct v'ekr cpv'lp'y ku'uwf {0'
Y g'y qwf 'hng'v'npqy "cp{"uwi i gukqpu"{qwo c{"j cxg'qp"j qy 'y g'ecp"o cng'y ku'tgugctej "o qtg"
eqpxgplgpv'cpf 'y qtj y j krg'v"{qwoRtqxkf lpi 'y ku'lphtqto cvkqp'ku'xqnpvct {0[qwt'kpr wu'ecp'j gr "
wu'ko r tqxg'qwt'hwmg'tgugctej 'y qtn0"

"

"
"
"
"
"
"
"

E. Welcome to the 2015 California New Homes Survey!

Vj ku'lwtxg{ 'ku'r ctv'qh'c'tgugctej 'uwf { "qp'pgy 'j qo gu'lp'Ecrkqtplc0Vj ku'tgugctej 'y knj gr 'kphqto " j qy 'pgy 'j qo gu'ecp'r tqxkf g'cf gs wcv'xgpvkrv'kq'cpf 'i qaf 'kpf qqt'ck's wcrk{ . 'y j krg'tgf wekpi "ck" kphkrcv'kq'cpf "gpgti { 'wug0"

Vj ku'lwtxg{ 'cng'u'cdqw'37'o kpwgu'v'eqo r ngv0K'cumi's wguv'kpu'cdqw' { qw'j qo g. 'j qwugj qrf " cev'k'k'gu. 'cpf 'f go qi tcr j kcu0[qw'ecp'unkr 's wguv'kpu'v'j cv' { qw'f q'pqv'y cpv'v'q'cpuy gt0"

Vj ku'tgugctej 'ku'dglpi 'eqpf wevf 'd{ 'Ncy tpgpeg'Dgtngrg{ 'P cv'kqpcn'Ncdqtcvqt { *NDP N+y kj " hwpf kpi 'Itqo 'v'j g'Ecrkqtplc'Gpgti { 'Eqo o kuukp0T guwnu'y kn'dg'wugf 'qpn' 'hqt'tgugctej "qp'j qy " v'q'r tqxkf g'cf gs wcv'xgpvkrv'kq'cpf 'ko r tqxg'kpf qqt'ck's wcrk{ 0K'qtf gt'v'q'r tqvev' { qw'r tkxce{ . " v'j g'f cv'y kn'dg'gpet { r vgf "cpf 'r cuuy qtf 'r tqvevf 0'

Rngcug'tgwtp" { qw'eqo r ngvf 'lwtxg{ 'kp'v'j g'gpxgr g'r tqxkf gf 0"

Ki' { qw'j cxg's wguv'kpu'cdqw'v'j g'tgugctej 'uwf { . 'r rngcug'eqpvce<'
O cz "Uj gto cp. 'Rj (F 0'
Rtlpek'cn'k'xguki cvqt. 'Tgukf gpv'kcn'Dwrf kpi 'U' { uvgu u'I tqw "
Ncy tpgpeg'Dgtngrg{ 'P cv'kqpcn'Ncdqtcvqt { "
[o j u j g t o c p B n r f l q x](#) " " *732+6: 8'6244"

"
"

Eqf g'pwo dgt'hqt'j qo g'aaaaaaaa " " "*****F cv'g'eqo r ngvf 'aaaaaaaaaaaaaaaa "

"
"

Rrgcug'cpuy gt'v'j g'dguv'qh' {qwt'npqy rgi g0[qw'ecp'unkr 'cp { 's wguv'kpu'vj cv' {qw'f q'pqv'y cpv' cpuy gt0

A. Home and Household Characteristics

"
"

30 Y j cv' {gct'y cu' {qwt'j qwug'dwknA"
 [gct'Dwkn<í í í í í "

"
"

40 Y j cv' {gct'f'k' {qw'o qxg'lpv'j ku'j qo gA"
 [gct'O qxgf "k<í í í í í 0'

"
"

50 Ctg' {qw'vj g'htuv'qy pgt'qh'vj g'r tqr gtv' A' " " " [gu'f'P q"

"
"

60 ""J qy 'o cp { 'r gqr rg'ewttgpv' {h'xg'lp' {qwt'j qo gA"
 ""P wo dgt'qh'Rgqr rg<í í í í í 0'

"
"

B. Air Quality In and Around Your Home

"
"

70 Vq'y j cv'gzv'p'ctg' {qw'uc'v'k'gf "qt'f'kuc'v'k'gf 'y kj 'vj g'k'p'f'qqt'ck's wcrk'lp' {qwt'j qo gA"

Xgt { " Fkuc'v'k'gf "	"	"	"	P gwten'	"	"	"	Xgt { " Ucv'k'gf "
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

"
"

80 J qy 'y qwf' {qwt'cv'vj g'qwf'qqt'ck's wcrk'lp' 'pgct'y j gtg' {qw'h'xgA"

Xgt { " Rqqt "	"	"	"	P gwten'	"	"	"	Gzegmpv'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

"
"

90 J qy 'y qwf' {qwt'cv' {qwt'j qo g'lp'r tqv'v'pi " {qw'lt'qo "qwf'qqt'ck'r qmw'k'pA"

Xgt { " Kpgh'v'xg' "	"	"	"	P gwten'	"	"	"	Xgt { " Gh'v'xg' "
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

"
"

"
"

"
"

C. Comfort Level in Your Home

"
"

: 0 Kp'y kpgt.'j qy 'qhngp'ku'yj g'vgo r gtcwtg'kp''{qwt'j qo g'wpeqo hqtvcdrng'vq'cp{ 'qeeur cpw'
dgecwug'uqo g'tqqo *u+0'ctg'vqg'j qv'qt 'vqg'eqrf A''

	P gxgt''	Hgy 'vko gu' c''{gct''	Hgy 'vko gu' kp'c'o qpj''	Hgy 'vko gu' c'y ggm'	Gxgt{ 'f c{''
Vqg'j qv'kp'uqo g'tqqo *u+0'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vqg'eqrf 'kp'uqo g'tqqo *u+0'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

"
"

: 0 Kp'uyo o gt.'j qy 'qhngp'ku'yj g'vgo r gtcwtg'kp''{qwt'j qo g'wpeqo hqtvcdrng'vq'cp{ 'qeeur cpw'
dgecwug'uqo g'tqqo *u+0'ctg'vqg'j qv'qt 'vqg'eqrf A''

	P gxgt''	Hgy 'vko gu' c''{gct''	Hgy 'vko gu' c'o qpj''	Hgy 'vko gu' c'y ggm'	Gxgt{ 'f c{''
Vqg'j qv'kp'uqo g'tqqo *u+0'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vqg'eqrf 'kp'uqo g'tqqo *u+0'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

"
"

320 J qy 'qhngp'f q'yj g'hqmy kpi 'eqpf kkp'pu'chng'ev'yj g'eqo hqtv'qh'qeeur cpw'kp''{qwt'j qo gA''

	P gxgt''	Hgy 'vko gu' c''{gct''	Hgy 'vko gu' c'o qpj''	Hgy 'vko gu' c'y ggm'	Gxgt{ 'f c{''
Vqg'o wej 'ckt'o qxgo gp0'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P qv'gpqwi j 'ckt'o qxgo gp0'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kpf qqt 'ckt'ku'vqg'f t{0'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kpf qqt 'ckt'ku'vqg'f co r 0'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kpf qqt 'ckt'j cu'o wuv{ 'qf qt0'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

D. Natural Gas Appliances and Mechanical Ventilation

"
"

330 Y j lej 'qh'yj g'hqmy kpi 'j gcv'kpi 'cr r r kpegu'ctg'wugf 'kp''{qwt'j qo gA'Ugr'ev'cm'yj cv'cr r n{0'
*****0E gpt'cn' cu'hwt'pceg''

- í í 0I cu'hkgr'neg'l'iqi 'ugv'
- í í 0E gpt'cn'gr'evt'le'j gcv'kpi 'qt'j gcv'r wo r ''
- í í 0Hgguc'pf kpi 'gr'evt'le'j gcv'gt''
- í í 0Y qqf 'h'kgr'neg''
- í í 0Qvj gt 0R'ng'cug'f guet'kdg<000 í í í í í í í í í í 0'
- í í 0F qpø'h'pqy''

"
"

340 J qy 'qhngp'ku'yj g'nk'ej gp'tcpi g'j qqf 'qt'nk'ej gp'gzj cwuv'h'cp'wugf 'y j gp'eqq'nkpi 'y kj 'c'
eqqmq'r A''

- í í 0Cny c{u*'7'qww'qh'7'vko gu+'''

í í 00 quv'qh'yj g'Vko g'*6'qw'qh'7'vko gu+ "
 í í 0Uqo gvko gu'*4'vq'5'qw'qh'7'vko gu+ "
 í í 0Tctgnf '*3'qw'qh'7'vko gu+ "
 í í 0P gxgt '*2'qw'qh'7'vko gu+ "
 í í 0F qpø'npqy ""

350 "Kí'yj g'nkej gp'tcpi g'j qaf "qt'nkej gp'gzj cwuv'hcp'ku'P QV'cny c{ u'wugf .y j cv'tg'yj g'tgcuqpu" hqt'pqv'wukpi 'kA'Ugrgev'cm'yj cv'cr r n(0"
 í í 0Hqti gv'vq'wtp'k'qp "
 í í 0P qv'pggf gf 'hqt'y j cv'ku'dgkpi "eqqngf "
 í í 0Vqq'pqku{ "
 í í 0F qgupø'uggo "vq'tgo qxg'eqqnikpi 'hwo gu'qt'qf qtu"
 í í 0Qr gp'y kpf qy 'kpuvgef "
 í í 0Wugu'vqq'o wej "gpgti { "
 í í 0Qvj gt0Rngcug'f guetldg<í í í í í (00000000000000000000000000000000)

360 "Y cu'yj g'qr gtcv'kqp'qh'yj g'o gej cplecni'xgpv'krc'v'kqp'u{ ugo "gZR rclpgf "vq" { qw'y j gp" { qw'dqwi j v' qt'o qxgf "kpvq'yj g'j qo gA"
 í í 0[gu "
 í í 0P q "
 í í 0F qpø'npqy "

370 "F q" { qw'hgnf { qw'w'pf gtucpf 'j qy "vq'qr gtcv" { qwt'o gej cplecni'xgpv'krc'v'kqp'u{ ugo 'r tqrgtnf A"
 í í 0[gu "
 í í 0P q "
 í í 0P qv'Uwtg"

380 "Vq'y j cv'gz'v'p'ctg" { qw'uc'v'uhgf "qt'f kuc'v'uhgf 'y kj " { qwt'o gej cplecni'xgpv'krc'v'kqp'u{ ugo A"

Xgt {" F kuc'v'uhgf "	"	"	"	"	P gwten'	"	"	"	Xgt {" Uc'v'uhgf "
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

390 "Kí" { qw'ctg'P QV'xgt { "uc'v'uhgf 'y kj " { qwt'o gej cplecni'xgpv'krc'v'kqp'u{ ugo .y j cv'tg'yj g' tgcup'u+hqt'f kuc'v'uhgf'v'kqp'A'Ugrgev'cm'yj cv'cr r n(0"
 í í 0Vqq'pqku{ "
 í í 0Vqq'f tchf "
 í í 0F k'hewn'vq'qr gtcv "
 í í 0F k'hewn'vq'o ckv'kvp "
 í í 0Wugu'vqq'o wej "gpgti { "
 í í 0Dt'kpi u'k'f wuv'qf qt."qt'ck'r qmwcpw'htqo "qwf qqt "
 í í 0P qv'ghgev'kxg"

í í 0Qvj gt0Rngcug'f guetkdg<í í í í í í í í í í í í 0'
"

E. Occupancy and Indoor Activities

3: 0 Qp'cxgtci g.'j qy 'o cp{ 'j qwtu'r gt'f c{ 'ku' { qwt'j qo g'qeew kpf 'd{ 'cv'ngcuw'qpg'r gtuqp."
kpenwf kpi 'f c{ 'cpf 'pki j v'j qwtuA"

	Hgy gt'y cp": " j qwtu'r gt'f c{ "	: 'vq'34'j qwtu' r gt'f c{ "	34'vq'38'j qwtu' r gt'f c{ "	38'vq'42'j qwtu' r gt'f c{ "	O qtg'y cp'42" j qwtu'r gt'f c{ "
Y ggnf c{ "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Y ggnpf "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3: 0 Qp'cxgtci g.'j qy 'o cp{ 'vko gu'r gt'y ggnlku' { qwt'eqqmqr 'cpf lqt'qxgp'wugf 'hqt'eqqnkpi ."
kpenwf kpi 'dqk'kpi 'y cvgtA"

	2'vko g" r gt'y ggnl'	3'vq'4'vko gu' r gt'y ggnl'	5'vq'6'vko gu' r gt'y ggnl'	7'vq'8'vko gu' r gt'y ggnl'	9'vko gu" r gt'y ggnl'
Dt gcn'ncuv'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nwpej "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F kppgt "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Qvj gt'eqqnkpi "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

420 Qp'cxgtci g.'j qy 'o cp{ 'vko gu'r gt'y ggnl'f q'vj g'hqmjy kpi 'cevxkkgu'qeew 'kpu'f g" { qwt'j qo gA'
Gpvt 'o2o'kh'qeewtt'ppeg'ku'nguu'f'gs wgpv'j cp'qpeg'c'y ggn0'

Wug'uj qy gt" " " *Vko gu'r gt'y ggnl'í í í í í í í "
Wug'dcvj 'qt'kpf qqt 'lcew| k"*Vko gu'r gt'y ggnl'í í í í í í í "
Wug'f kuj y cuj gt" " " *Vko gu'r gt'y ggnl'í í í í í í í "
Wug'y cuj kpi 'o cej kpg" " *Nqcf u'r gt'y ggnl'í í í í í í 0'
J cpi 'emvj gu'vq'f t { 'kpf qqtu" *Nqcf u'r gt'y ggnl'í í í í í í 0'

F. Window and Door Opening

430 Qp'cxgtci g.'j qy 'o cp{ 'j qwtu'r gt'f c{ 'ctg" { qwt'y kpf qy u'qr gp'kp" { qwt'j qwugA"

	2'j qwt'r gt' f c{ "	3'vq'4'j qwt' r gt'f c{ "	4'vq": 'j qwtu' r gt'f c{ "	: 'vq'38" j qwtu'r gt' f c{ "	O qtg'y cp'38" j qwtu'r gt'f c{ "
Uwo o gt"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hcni'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Y kpgt "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ur tkpi "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

440 Qp"cxgtci g."j qy "qhgpf"fq"q{qw'hgcxg}{qwt'dgftqqo 'y kpf qy u'qr gp'cv'pki j v'y j gp"q{qw'unggr A"

	2'ko g" r gt'y ggnl'	3'q'4'ko gu" r gt'y ggnl'	5'q'6'ko gu" r gt'y ggnl'	7'q'8'ko gu" r gt'y ggnl'	9'ko gu" r gt'y ggnl'
Uwo o gt"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hcm'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Y kpgt"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ur tki "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

450 Qp"cxgtci g."j qy "qhgpf"fq"q{qw'hgcxg}{qwt'dgftqqo 'f qqt"qr gp'cv'pki j v'y j gp"q{qw'unggr A"

	2'ko g" r gt'y ggnl'	3'q'4'ko gu" r gt'y ggnl'	5'q'6'ko gu" r gt'y ggnl'	7'q'8'ko gu" r gt'y ggnl'	9'ko gu" r gt'y ggnl'
F qqt"Qr gp"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

G. Indoor Activities

460 Qp"cxgtci g."j qy "qhgpf"fq"v'j g'hmqy kpi "ce'v'k'ku'qeew'k'pukf g"q{qwt'j qo gA"

	P gxgt"	Hgy 'ko gu" c"{'gct"	Hgy 'ko gu" c'o qpvj "	Hgy 'ko gu" c'y ggnl'	Gxgt{'f c{"
Uo qnki "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dwp"ecpf rg"qt'k'pegpug"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Xcewo kpi "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wug'engcpki "ci g'pv'ht'htqt" engcpki "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wug'ur tc{"ck'ht'guy gpgt"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wug'r g'v'k'f g'ur tc{"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wug'r ck'v'."i nvg."uq'k'gpw'g'f 0" j qdd'ku."j qo g't'gr'cku+"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wug'j wo k'k'ht"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wug'f g'j wo k'k'ht"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

H. Other Indoor Sources

470 Ctg'r nwi /k'qt'v'k'ck'ht'guy gpgtu."qt'q'v'gt'ueg'v'gf'f'geqtc'k'qpu."wug'k'p"q{qwt'j qo gA"

- í í 0l gu"
- í í 0P q"
- í í 0F qpø'hpqy "

480 F q'qeew cpv'y gct'uj qgu'k'p"q{qwt'j qo gA"

- í í 0l gu"
- í í 0P q"
- í í 0F qpø'hpqy "

"
490 J qy "o cp{ "f qi u. "ecwu. "qt "qyj gt "hmtt { "r gwu'ctg'lp'vj g'j qo gA"
" "" "" P wo dgt "qh'Rgu<Y í í í í í " "
"
"

I. Use of Air Cleaners

"
4: 0 F q" { qw'wug'c "ucpf / cmppg *r qt vcdng + "ck "hngt. "ck "r w k hgt. "qt "ck "engcpgt "lp'vj g'j qo gA"
í í 0l gu"
í í 0P q"
í í 0F qpø'hpqy " "
"
"

4: 0 Y j gtg'ku" { qwt "ucpf / cmppg *r qt vcdng + "ck "hngt. "ck "r w k hgt. "qt "ck "engcpgt "hcevgf "lp" { qwt "
j qo gA Ugrgevc'm'vj cv'cr r n (0 "
í í 0O cuvgt "dgf tqo " "
í í 0Qvj gt "dgf tqo *u+ "
í í 0Nxlpi "tqo " "
í í 0J qo g "qhleg" "
í í 0Qvj gt 0Rgcug "f guet kdg<Y í í í í () "
"

520 "J cu'cp { qpg'lp'vj g'j qwugj qrf "dggp "f kci pqugf "y kj "cuj o cA"
í í 0l gu"
í í 0P q"
í í 0F qpø'hpqy " "
"
"

530 "J cu'cp { qpg'lp'vj g'j qwugj qrf "dggp "f kci pqugf "y kj "cmgti lguA"
í í 0l gu"
í í 0P q"
í í 0F qpø'hpqy " "

J. Demographic Information

"
"

Vj g'pgzv's wgu'kpu'y km'j gr "wu'lpvgr tgv'vj g'tguwmu "qh'vj g'uwt xg { 0 "
"

Cm't gur qpugu'y km'dg'hgr v'eqphk'gpv'kri0"
"
"

540 Rgcug'lp'f kcv'vj g'pwo dgt "qh'j qwugj qrf "o go dgt *u+lp'vj g'hqmgy lpi "ci g'ecvgi qt lgu0"
P wo dgt "qh'j qwugj qrf "o go dgt *u+ "
2 "vq'39"l gctu'Qrf " " í í í í í í í í "
3: "vq'87"l gctu'qrf " " í í í í í í í í " " "
Qxgt '87"l gctu'qrf " " í í í í í í í í "

"
"

550 Y j cv'ku'yj g'j ki j guv'gf wecvkqp'ngxgn'qh'j gcf "qh'j qwugj qrf A"

- í í 0P q'uej qqrkpi "eqo r ngvgf "
 - í í 03"vq": 'i tcf g"
 - í í 0; 'vq"34' 'i tcf g"
 - í í 0E qo r ngvgf 'j ki j "uej qqr'j ki j "uej qqr'f kr mo c. I GF "et gf gpvcn"
 - í í 0U qo g'eqmgi g"
 - í í 0Cuuqekcvga'f gi tgg"
 - í í 0Eqmgi g'f gi tgg" Dcej gmta'f gi tgg+"
 - í í 0I tcf wvg'f gi tgg" O cvgt. Rtqhgukqpcn'uej qqn 'F qevqtcvg'f gi tgg+"
- "
"

560 Rngcug'kpf lecv'cm'tcegu'cpf lqt 'gyj plekkgu'qh'r gqr ng'hk'kpi 'kp' {qwt'j} qwugj qrf 0'

- í í 0Co gtlecp'kpf kcp.'Crcune'P cvkxg"
 - í í 0Cukcp'qt'Rcekhe'Kucpf gt"
 - í í 0Drcem'Ch'lecp'Co gtlecp"
 - í í 0J kur cple'l'Ncvkq"
 - í í 0Y j kg.'Ecwecukcp"
 - í í 0Qvj gt.'ur gekh{ <í í í í í í í 0'
 - í í 0O kzgf 'tceg.'ur gekh{ <í í í í í í í 0'
- "
"

570 Y j cv'ku'yj g'vqcn'kpego g'qh'cm'o go dgt *u+'qh' {qwt'j} qwugj qrf "eqo d'kpgf A"

- í í 0Nguu'yj cp"&57.222"
 - í í 0&57.222"vq"&6; .; ; ; "
 - í í 0&72.222"vq"&96.; ; ; ; "
 - í í 0&97.222"vq"&; .; ; ; ; "
 - í í 0&322.222"vq"&372.222"
 - í í 0I tgcvgt'yj cp"&372.222"
- "

K. End of Survey

"

Vj cpni{ qw'ht' h'kpi "qw'yj ku'wtxg{ #I qwt'f cv'ku'xgt { 'xcwcdrg'vq'qwt'wpf gtucpf kpi "qh'kpf qqt" ckt's wcrk{ 'cpf "o gej cplecn'xgpvkvkqp'kp'pgy 'Ecrkqtplc'j qo gu0"

"

Rngcug'tgwtp" {qwt'eqo r ngvgf 'wtxg{ 'kp'yj g'r tg/r ckl "gpxgnr g'r tqxkf gf 0"

"

Ki' {qw'j} cxg'cp { 's wguv'kpu'cdqww'yj g'wtxg{ . 'r rngcug'eqpvcv<"

- O cz "Uj gto cp. 'Rj (F 0'
- Rt'kpek' cn'kpxguki cvqt. "Tgukf gpvcn'Dwkrf kpi "U{ uvgu u'I tqw "
- Ncy tgep' Dgtngg{ 'P cvkqpcn'Ncdqtcvqt { "
- [o j uj gto cpB ndrñ qx](#) " " *732+6: 8'6244"

"

Hqt'o qtg'kphqto cvkqp'cdqww'yj g'tguwma'qh'yj ku'wtxg{ . 'r rngcug'xkuk'qwt'y gdukg<" j wr <lj gpi j 0ndrñ qx I"

F. Setup IAQ Instruments and Activity Sensors

Setup of Outdoor PM Instruments

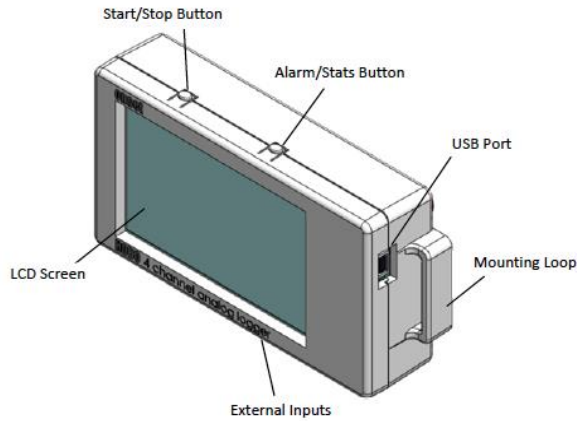
- "
- 30 J qwug'K <aaaaaaaa "F cvg<aaaaaaaa "Vko g<aaaaaaaa "Vgej plekcp<aaaaaaaa "
- "
- Qwf qqt'RO "Kputwo gpv'K <aaaaaaaaaaaaaaaa "g0 0'RO Qa223+"
- "
- 40 Hkpf "cp"qwf qqt "grgextlecn'qwrq0'Rwi "kp"cp"qwf qqt'y gcvj gtr tqqh'gz vgpukqp"eqtf "*322'hw" 38/i cwi g+0'
- "
- Cff "**DO NOT UNPLUG**"rdgn'qp'yj g"qwrqv'cu'c'tgo kpf gt0'
 - Wug'r gf gutkcp"ecdrq"eqxgt'tco r "T'twddgt'hmqqt"eqtf "eqpegrgt'vq'r tgxgpv'tkr " j c| ctf 0'
- "
- 50 F kuewuu'y kj "uwf { 'r ct vkr cpv'vq'kf gpvkh{ 'c'uwkcdrg'hqecv'kqp'hqt'ugw'kpi "wr 'yj g'v'kr qf 0'"
- "
- Cv'rgcu'32'hw'hwqo "yj g'pgctguv'gz vgtkqt'qh'yj g'j qwug0'
 - Cv'rgcu'32'hw'hwqo "qwf qqt'DDS 'i tkm'htgr kv'qvj gt'eqo dwukqp'uqwtegu0'
 - Cxqkf 'hcy p'ur tlpmtu0'"
- "
- 60 Ugwr 'yj g'v'kr qf "cv4/o 'j gli j v'cv'kprgv0'Ugewt g'tkr qf "d{ "cpej qtkpi 'hgi u'vq'yj g'i tqwvf 0'
- "
- 70 Kpu'cni'RO 40'e{ empg'cpf 'y gcvj gtr tqqh'VUR'kprgv0'0 qwpv'yj g'O gvQpg'GU/864"qp'yj g' v'kr qf 0'
- "



Hki wtg'3'O gvQpg'GU/864"qp'yj g'v'kr qf "

- "
- 80 Eqppge'v'yj g'Qpugv'f cvc'hqi i gt'vq'yj g'2/32'XFE"qwr w'qh'yj g'O gvQpg'GU/8640"
- "
- c0 Uctv'Qpugv'f cvc'hqi i gt'd{ 'r tguu'cpf 'j qrf "Uctv'Uxqr "dwwqp'hqt "5'ugeqpf u0"
- d0 Qpugv'f cvc'hqi i gt'y kn'uj qy p'yj cv'yj g'hqi i gt'ku'ewttgpw{ 'hqi i kpi 0'

LOGGING The logger is currently logging.



Hki wtg"4"Qpgugv'f cvc'hqi i gt"

"

90 Rqy gt/wr 'O gvQpg'GU/864'cpf "uvtv'qr gtcvkqp0'

"

Uctv'Vko g<aaaaaaaaaaaaaaaaaaaaaa"

"

Chgt\ GTQPI . 'yj g'lpwtwo gpv'y kn'uvtv'UCO RNPI 0Tgeqtf 'yj g'hmqy lpi <

"

EQPE<aaaaaaaaaaaaaaaaaaaaaa "% i +" VGOR<aaaaaaaaaaaaaaaaaaaaaa "%qE+"

"

TJ <aaaaaaaaaaaaaaaaaaaaaa "%* +" DR<aaaaaaaaaaaaaaaaaaaaaa "% dct+"

"

HNQY <aaaaaaaaaaaaaaaaaaaaaa "%r o +"

"

: 0 Cwcej "cp'Qpugv'Gperqugf "Vgo r gtcwtgII grv'kxg"J wo kf k{ 'F cvc'Nqi i gt "v'j g'tkr qf 0"

"

VITJ 'F cvc'Nqi i gt "F <aaaaaaaaaaaaaaaaaaaaaa "%g 0VTQa233+"Vko g<aaaaaaaaaaaaaaaaaaaaaa "

"

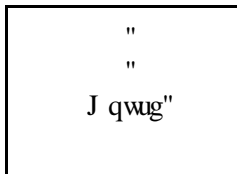
; 0 Vcng'c'rj qv"qh'yj g'O gvQpg'GU/8640"

"

320 Ungvej 'r qukkqp'cpf "guko cvg'f kvcpeg'dgy ggp'yj g'lpwtwo gpv'cpf 'yj g'j' qwug.'qwf qqt"

DDS . 'i tkm'hkgr kw."qt"qyj gt"eqo dwukqp"uqwtegu0"

Htqpv'



Dcenl'

Side-by-Side Comparison of Outdoor and Indoor PM Instruments

"

30 J qwug'KF <aaaaaaaa "F cyg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej plekcp<aaaaaaaa "

"

Qwf qqt'RO 'kputwo gpv'KF <aaaaaaaaaaaaaaaaaaaa "g0 0'RO Qa223+"

"

kpf qqt'RO 'kputwo gpv'KF <aaaaaaaaaaaaaaaaaaaa "g0 0'RO Ka223+"

"

40 Qwf qqt'RO 'kputwo gpv'O gvQpg'GU/864+'uj qwf "dg"qr gtcv'kpi 'cpf 'hji i kpi 'f cv0"

"

50 Ugv'wr "c'rf f gt 'pgzv'v'j g'qwf qqt'RO 'kputwo gpv'0"

"

60 Rrreg'yj g'kpf qqt'RO 'kputwo gpv'O gvQpg'DV/867. 'kpkf g'yj g'gperuwtg'dqz+'pgct 'yj g' qwf qqt'kputwo gpv'0Rtghgtcdn' 'y kj kp'5'h'kp'f kucpeg.'cpf 'y kj kp'3'h'kp'j gli j 0"

"

70 Rqy gt "qp'yj g'kpf qqt'RO 'kputwo gpv'v'q'twp"qp'dcwtg { "kputwo gpv'y km'qr gtcv'htq'cdqw' 32'j qwtu'qh'eqp'kpwqwu'uco r r'kpi 'y j gp'hwm' 'ej cti gf +0"

"

80 Uctv'uco r r'kpi 'd { 'r tguulpi 'yj g'UCO RNG'ng { 0"

"

Uctv'Vlo g<aaaaaaaaaaaaaaaaaaaaaaaaaaaa "

"

90 kpuclm'yj g'RO 40'e { empg"cpf 'y gc'yj gtr tqqh'VUR'kprgv'v'q'j g'kpf qqt'RO 'kputwo gpv'0"

"

: 0 Vcng'c'rj qv'qh'yj g'y q'RO 'kputwo gpv'<

"

c0 Hwtj gt 'cy c { 'rj qv'uj qy kpi 'yj g'y q'kputwo gpv.'r tghgtcdn' 'y kj 'yj g'j' qwug'cu' dceni tqw'pf 0"

"

c0 Emqg/wr 'rj qv'uj qy kpi 'yj g'uco r r'kpi 'kprvu'qh'dqj 'kputwo gpv'0"

"

; 0 Cmgy 'yj g'qwf qqt'cpf 'kpf qqt'RO 'kputwo gpv'v'q'uco r rg'htq'3'j qwt0"

"

320 Uqr 'yj g'kpf qqt'RO 'kputwo gpv'd { 'r tguulpi 'yj g'UCO RNG'ng { 0"

"

Gpf 'Vlo g<aaaaaaaaaaaaaaaaaaaaaaaaaaaa "

"

"

"

"

"

Range Hood Use Data Logging

```

"
30 J qwug'K <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej pkekcp<aaaaaaaa "
"
40 Tcpi g'j qqf "f guetk vkp<"
"
c0 O qwpv\{r g<aaaaaaaaaaaaaaaaaaaaaaaa "wpf gt "ecdkgv.'y cm'kurpf.'f qy pf tchv"
"
d0 F ko gpukqu'qh'tcpi g'j qqf <aaaaaaaa "j gki j v.'C+"
"
"*****"aaaaaaaa"y kf vj .'D+."aaaaaaaa"fg r vj .'E+"
"

```



Hki wtg'5"Tcpi g'j qqf "f guetk vkp"

```

e0 Eqxgtci g<t'cpi g'j qqf "gzv'pf "q'y kf vj "qh'eqqmkpi "i tcv'gA[" "TP "
"
" " "*****"fg r vj "qh'eqqmkpi "i tcv'gA[" "TP "
"
" F ko gpukqu'qh'eqqmkpi "i tcv'g<aaaaaaaa "y kf vj .'D+."aaaaaaaa"fg r vj .'E+"
"
f0 I tgcug'uetggp"Thk'gt'eqpf k'kqp<aaaaaaaaaaaaaaaaaaaaaaaa "pgy .'wugf.'fktv{ "+"
"
50 Uctv'Fki k'Ugpug"cpgo qo gvt"
"
Fki k'Ugpug'CPgo qo gvt'K <aaaaaaaaaaaaaaaa "g0 0'CP O a233+"
"
c0 TGE'uj qwf "double-flash green"gxgt {"32"ugeqpf u'q'lpf kecvg'y cv'k'ku'lp'o cpwcn'
o qf g'ucpf d{"
"
d0 Vq'uctv'mji i kpi ."press yellow button"wp'k'5"i tggp'hcuj gu'cpf "3'tgf "hcuj gu"
"
e0 One green flash"*TGE+'gxgt {"32"ugeqpf u'lpf kecvg'y cv'k'ku'p'qy "mji i kpi "
"

```

60 Cwcej 'y g'F ki k'Ugpug'Cpgo qo gvt'y kj 'l kr/vg'qt'y kj 'o ci pgvle'eco gtc'uvcpf 0C rki p'y g' xcp'g'y kj 'y g'f ktgevkqp'qh'y g'ckthqy 'cu'uj qy p'dgnqy <

"



Hki w'g'6'F ki k'Ugpug'Cpgo qo gvt'v'y g'tcpi g'j qqf "

"

70 Vwtp"qp'tcpi g'j qqf 'hqt'5'o kpwgu'cv'gej 'h'p'ur ggf 'ugw'kpi 0Tgeqtf 'y g'uvctv'cpf 'gpf " vko g0'

"

H'p'Ugw'kpi "	U'ctv'Vko g"	G'pf "Vko g"
J ki j "	"	"
Nqy "	"	"
O gf "	"	"

"

"

80 Vcng'c'rj qv'qh'y g'tcpi g'j qqf 'y kj 'y g'F ki k'Ugpug'Cpgo qo gvt'cwcej gf 0'

"

90 Vcng'c'emugwr 'rj qv'qh'y g'tcpi g'j qqf 'h'p'ur ggf 'eqptqr0"

"

Cooktop Use Data Logging

```

"
30 J qwug"K <aaaaaaaa "F cyg<aaaaaaaa "Vko g<aaaaaaaa "Vgej plekp<aaaaaaaa "
"
40 Vcng"c"rj qqv"qh'eqqm"pi "cr r nkpegu<
"
    c0 Eqqmqr "*"i cu"lTgrgevtle+"uj qy kpi "dwtpgtu"cpf "ugw"pi u"
"
    d0 Qxgp*"i cu"lTgrgevtle+"uj qy kpi "gzvgtpcn"kpvtpcn"cpf "ugw"pi u"
"
50 Ugewtg"lDwwqp"v"eqqmqr "*"pgct"dwtpgtu+"cpf "qxgp*"qp"gzvgtkqt"fqqt+"wukpi "j ki j "
    vgo r gtcwtg"vcr g"qt"o ci pg0'
"

```



Hi wtg"7"lDwwqp"r rcegf "qp"vj g'eqqmqr "

```

60 Vwtp"qp"eqqm"pi "cr r nkpegu"lTgeqtf "vj g"luctv"cpf "gpf "vko g0'
"
    c0 Vwtp"qp"tcpi g"j qqf "cvj ki j guv"ugw"pi 0'
"
    d0 Qr gtcvg"ugs wgpvcm{"hghvdcem"ghvhtqpv."tki j vdcem"cpf "tki j vhtqpv"dwtpgtu"cv'
        o gf kwo "j gcvtq"5"o kpwgu"gej 0"
"
    e0 Qxgp"ugv"v"622"qE"ht"7"o kpwgu0"
"

```

"	lDwwqp"K "	Uctv"Vko g"	Gpf "Vko g"
Eqqmqr "" *NghvDcem"	"	"	"
Eqqmqr "" *NghvHtqpv"	"	"	"

Eqqmqr "" *Tki j vDcem"	"	"	"
Eqqmqr ""*Tki j vHtqpvt"	"	"	"
Qxgp"	"	"	"

"

70 Vcng" c'rj qv"qh'eqqncpi "crr ncpegu'y kj 'y g'kDwwqpu"cwcej gf 0"

"

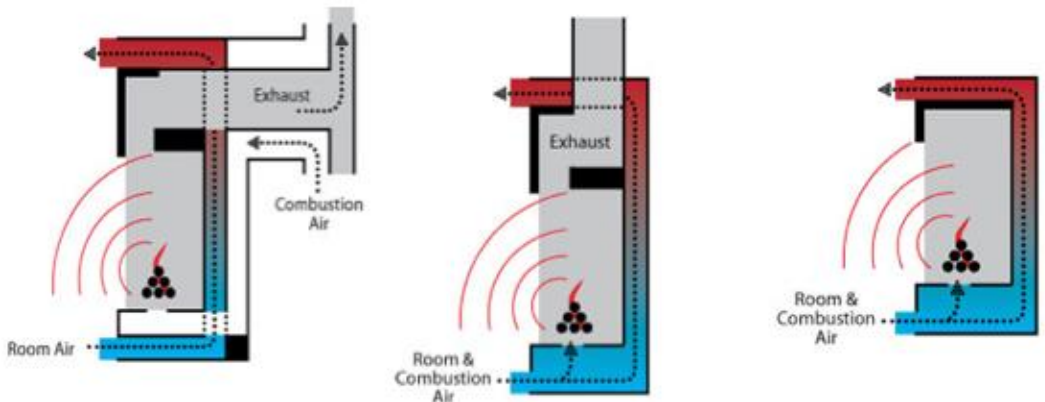
80 Vwtp"qh'tcpi g'j qqf 0'

Gas Fireplace Use Data Logging

```

"
30 J qwug'kF <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej plekp<aaaaaaaa
"
40 Hkgr rneg'f guetkr vkqp"
"
    c0 Nqecvkqp*tqqo +<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
    "
    d0 V{r g"*kpuqtv."mji /ugv."gve0<aaaaaaaaaaaaaaaaaaaaaaaaaaaaa
    "
    e0 Hwgn*pcwtcnfi cu.'r tqr cpg+<aaaaaaaaaaaaaaaaaaaaaaaaaaaaa
    "
    f0 Xgpvuv{rg<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
"
"
"

```



Direct Vent B-Vent / Natural Vent Ventless*

Hk wtg'8"Xgpvuv{rg"

```

"
, 'Cf xklug'uwf { 'r ct vlek cpv'j cv'xgpvrgu'htgr rneg'ku'knji cn'lp'EC0Uwf { 'r ct vlek cpv'o wuv'
ci tgg'P QV'vq'wug'xgpvrgu'htgr rneg'f wtkpi 'yj g'qpg/y ggm'o qpkqtkpi 'r gtkqf 0"
"

```

```

50 Vcng'c'rj qvq'qh'yj g'htgr rneg0"
"
60 Ugewtg'kDwwqp'vq'pgct'yj g'j gcvgf 'tqqo 'ckt'qwwrgv'wukpi 'j ki j 'vgo r gtcwtg'vcr g'qt'o ci pgv0"
"
    kDwwqp'kF <aaaaaaaaaaaaaaaa
"
70 Vwtp'qp'htgr rneg'ht'32'o kpwgu0Tgeqtf 'yj g'uactv'cpf "gpf "vko g0"
"
    Uctv'Vlo g<aaaaaaaaaaaaaaaaaaaaa "*****"Gpf "Vlo g<aaaaaaaaaaaaaaaaaaaaa
"
80 Vcng'c'rj qvq'qh'yj g'htgr rneg'y kj 'yj g'kDwwqp'cwcej gf 0"

```

Clothes Dryer Use Data Logging

```

"
30 J qwug'F <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej pkekcp<aaaaaaaa "
"
40 Emqyj gu'ft {gt'f guetkr vkqp"
"
    c0 Nqecvkqp"*tqgo +<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa "
    "
    d0 Hwgn'i cu"l'grgevtke+<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa "
    "
50 Twp'yj g'emqyj gu'ft {gt'cvöpqto crö'qt'ör gto cpgpv'r tguuö'ugwkp'i 0'
"
60 Nqecvg'yj g'emqyj gu'ft {gt'xgpv'ltqo "gz vgtkqt 'kh'ceeguukdng0"
"
    c0 Vcng'rj qvq'qh'yj g'emqyj gu'ft {gt'xgpv'0'
    "
    d0 F guetkdg'ckthqy <aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa "utqpi . 'y gcm'gve0'
    "
    e0 Xlkudng'hkpv'emqi i kpi 'xgpv'A'
    aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa "
"
"

```

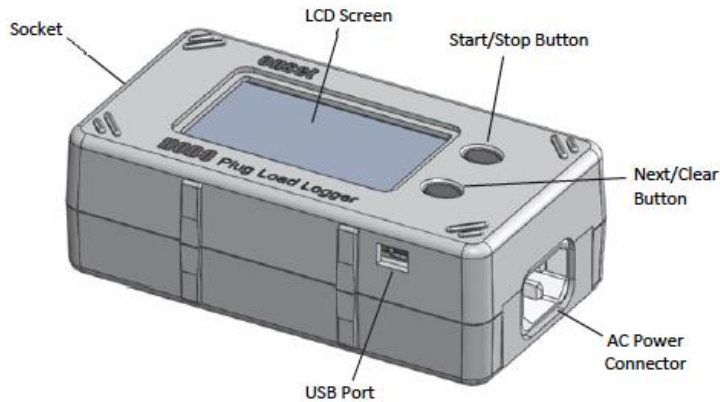
Method I: Using Plug Load Data Logger (Gas ONLY, if outlet is accessible)

Grgevtke'emqyj gu'ft {gtu'ctg'442/X0F q'pqv'wug'yj ku'o gjy qf 'vq'o qpkqt 'wug0"

```

30 Rtguu'yj g'UctvUqr "dwwqp'hqt'5'ugeqpf u'vq'uctv'iqi i kpi 'f cvc0Ej gem'NQI I RPI 'f kur rc {"
qp'uetggp0'
"
"
Qpugv'Rwi 'Nqcf 'F cvc'Nqi i gt'F <aaaaaaaaaaaaaaaa " Uctv'Vlo g<aaaaaaaaaaaaaaaa "
"
" " " " " "*****g0'RNF a223+"
"

```



Hki wtg'9'Qpugv'r wi 'iqcf 'f cvc'iqi i gt"

40 Rnwi 'yj g'CE'r qy gt'cf cr vgt'lpvq'vj g'f cvc'hqi i gt.'yj gp'r nwi 'yj g'hqi i gt'lpvq'cp'qwwg0"

"

50 Rnwi 'yj g'emqj gu'f t { gt'r qy gt'eqt f 'lpvq'vj g'ugengv'qp'vj g'ghv'qh'vj g'f cvc'hqi i gt0"

"

60 Ej gen'vj cv'vj g'r nwi 'hcf 'f cvc'hqi i gt'ku'ugv'wr 'cu'hqmjy u<

"

MEM USED
■■■■■□

The logger has been configured to stop logging when memory fills. The memory bar indicates the approximate space remaining in the logger to record data. When first launched, all five segments in the bar will be empty. In this example, the logger memory is almost full (only one segment in the memory bar is empty).

"

LOGGING

The logger is currently logging (see *Setting up the Logger to Record Data*).

"

LINE

A device is connected to the AC line. ..

"

70 Twp'vj g'emqj gu'f t { gt'cv'öpqt o cri'qt'ör gt o cpgpv'r tguuö'ugv'kpi 0'

"

80 P qv'vj g'ce'xg'r qy gt'tgeqt f gf 'd { 'yj g'r nwi 'hcf 'f cvc'hqi i gt0'

"

Ce'xg'r qy gt'*Y +<aaaaaaaaaaaaaaaaaaaaa"

"

205.3
W

This is an example reading for active power. It is located in the lower left quadrant of screen 1.

"

90 Vcng'c'r j qv'qh'vj g'r nwi 'hcf 'f cvc'hqi i gt0'

"

"

Method II: Using Digi-Sense Anemometer (if vent is accessible)

"

30 Ej gen'v'ugg'h'F ki k'Ugpug'Cpgo qo gvt'ecp'dg'ugewt'gf 'cpf'r tqvgev'f'itqo 'y gc'vj gt' gng'gpw'*g0 0'tclp+'vj cv'ecp'f co ci g'vj g'f gx'leg0"

"

40 Uctv'F ki k'Ugpug'Cpgo qo gvt"

"

F ki k'Ugpug'Cpgo qo gvt'K <aaaaaaaaaaaaaaaaaa *g0 0'CP O a233+ "

"

c0 TGE'uj qwf '**double-flash green**'gxgt { '32'ugeqpf u'v'kpf kec'vj cv'k'ku'k'p'o cpwcn' o qf g'ux'pfd { "

"

d0 Vq'ux'tv'hqi i kpi .'**press yellow button**'wp'vkl'5'i tggp'hrcuj gu'cpf '3'tgf 'hrcuj gu"

"

Exhaust Fan Use Data Logging

"

30 J qwug"Æ <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej pkekp<aaaaaaaa "

"

40 Vcng"ç'rj qvq'qh'yj g'gzj cwv'hcp'i tkrng0"

"

50 Cwcej "cp'Qpugv'Gperqugf "Vgo r gtcwtgΠ grvkg"J wo kf kv{ 'F cvc'Nqi i gt "vq'yj g'gzj cwv' hcp'i tkrng" *hwm'dcvj "QPN[-0]"

"



Hki wtg: "Qpugv'gperqugf "vgo r gtcwtgΠ grvkg"J wo kf kv{ 'F cvc'ni i gt "vq'yj g'gzj cwv'hcp'i tkrng "

Gzj cwv'Hcp"	VITJ "F cvc'Nqi i gt "Æ "	Vlo g"
O cuagt'Dcvj tqqo ""	VTQa"	"
Qvj gt'Dcvj tqqo "3"	VTQa"	"
Ncwpt { "Tqqo ""	VTQa"	"

"

"

Method I: Using Digi-Sense Anemometer

"

30 TGE'uj qwf "**double-flash green**"gxgt { "32"ugeqpf u'kv'kpf kecvg'vj cv'yj g'cpgo qo gvt "ku'kp" o cpwcn'ò qf g'ucpf d{0"

"

40 Vq'uvctv'ni i kpi . "**press yellow button**"vpwki'5'i tggp'hcu'j gu'cpf "3'tgf 'hcu'j gu'0"

"

50 **One green flash** *TGE+'gxgt { "32"ugeqpf u'kv'kpf kecvg'vj cv'k'ku'pqy 'ni i kpi 0"

"

60 Cwcej "yj g'F ki k'Ugpug'Cpgo qo gvt'y kj | k /vk'vq'gzj cwv'hcp'i tkrng0Crki p'yj g'xcp'g'y kj " vj g'f k'ge'v'kp'qh'yj g'ckh'ny "cu'uj qy p'dgm'y <"

"



Hki wtg"; "F ki k'ugpug"Cpgo qo gvt'y kj 'l /vlg"vq"gzj cwv'hcp'i tkrng"

70 Hqt"gzj cwv'hcp'eqptqmgf "d{ 'j wo kf k'vcv.'cng"e'emugwr 'r j qv'qh'yj g'vko gt "cpf "tgrv'xg" j wo kf k{ "ugv'kpi 0"

"



Hki wtg"32"Gzco r rg'qh'yj g'emugwr 'r j qv'qh'gzj cwv'hcp'eqptqmgf "

"

80 Vcng"e'r j qv'qh'yj g'gzj cwv'hcp'y kj 'yj g'F ki k'Ugpug"Cpgo qo gvt"cwcej gf 0"

"



Hki wtg"33"Gzco r rg'qh'yj g'r j qv'qh'gzj cwv'hcp'y kj 'yj g'F ki k'Ugpug"Cpgo qo gvt"

"

90 Vwtp"qp"gzj cwv'hcp'hqt"4"o k'pwgu0Tgeqtf "yj g'u'ctv'cpf "gpf "vko g0Tgr gc'v'f k'htg'p'v'hcp" ug'v'kpi u'kh'yj g'gzj cwv'hcp"j cu'o wnk'ur ggf "eqptqf0"

"

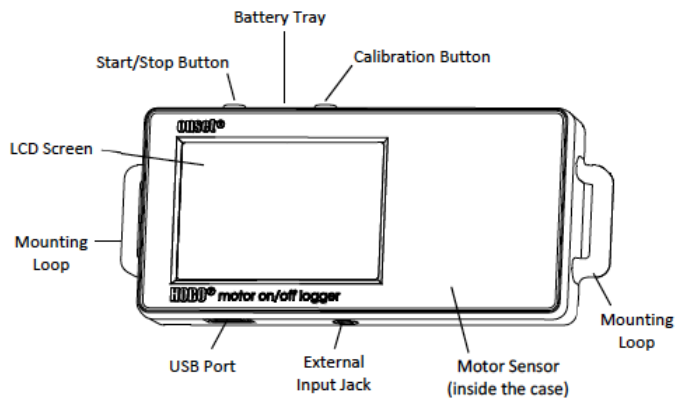
Gzj cwv'Hcp"	F ki k'Ugpug"	U'ctv'Vko g"	Gpf "Vko g"
O c'vgt"D'cyj tqo "D'cyj ""	CPO a"	"	"

O cuxgt'Devj tqqo "Vqkrv"	CPO a"	"	"
Qyj gt'Devj tqqo "3"	CPO a"	"	"
Ncwpf t {"Tqqo ""	CPO a"	"	"

Method II: Using Onset Motor On/Off Data Logger

30 Rtguu'vj g'UctvUxqr "dwwqp'hqt"5"ugeqpf u'vq"uactv'hqi i kpi "F cvc0Ej geniNQI I KPI "f kur rc {"
 qp'uetggp0'

Qpugv'O qvqt "QpIQhh'F cvc'Nqi i gt"KF <aaaaaaaaaaaaaaaa ""Uctv'Vko g<aaaaaaaaaaaaaaaa
 " " " " " " *gfi 0'O VTa233+"



Hki wtg"34"Qpugv'o qvqt "qp lqhh'f cvc'hqi i gt"

40 Cwcej 'vj g'o qvqt "qp lqhh'f cvc'hqi i gt"vq'vj g'gzj cwuv'hcp'dqf {"'pgct'vj g'o qvqt.'cu'uj qy p"
 dgmjy <



Hki wtg"35"Gzco r rg'qh'vj g'o qvqt "qp lqhh'f cvc'hqi i gt"cwcej 'vj g'gzj cwuv'hcp'dqf {"

50 Ecrlkdcw'vj g'o qvqt "ugpuqt"vq'vj g'CE"o ci pgve'hgrf "dglpi "o gcuwtgf 0"

"

c0 Vwtp"qp'vj g'gzj cwuv'hcp'y kj 'vj g'o qvqt "qp lqhh'f cvc'hqi i gt"cwcej gf 0"

"

d0 Rtguu'vj g'Ecrkdtcvg'dwwqp'hqt '3'uqeppf 0Vj g'NEF 'uetggp'y km'f kur m { 'y g'uki pcr' utgpi y 'qh'vj g'o qvqt0Vj g'uki pcr'utgpi y 'uj qwf 'dg'cv'rcuv'5'dctu0Qtkgpv'vj g' nji i gt 'cu'pgeguuct { 'v'kpetgcug'vj g'uki pcr'utgpi y 0



This shows the signal strength of the motor being monitored. In this example, the signal strength is at full scale. See *Calibrating the Motor Sensor* for more details.

e0 Rtguu'vj g'Ecrkdtcvg'dwwqp'hqt '5'uqeppf u'y j kg'öJ QNF ö'cr r gctu'qp'uetggp0Vj g' nji i gt 'y km'eqwpv'f qy p'v'vj g'cwq/ecrkdtevkqp'cpf 'vj gp'f kur m { 'gkj gt "öRCUÜö'qt" öHCKNö'chgt 'ecrkdtevkqp'ku'eqo r ngv0"

f0 K'öHCKNö.'tgr qukkqp'vj g'nji i gt 'emugt'v'vj g'o qvqt'cpf 'tgr gcv0"

60 Vwtp'qp'gzj cwv'hcp'hqt '3'o kpwg0Tgeqtf 'y g'uctv'cpf 'gpf 'vko g0Tgr gcv'cv'f hgtgpv'hcp' ugwkpi u'kh'vj g'gzj cwv'hcp'j cu'o wnk'ur ggf 'eqvqt0Ej gen'vj cv'vj g'f cv' hji i gt 'ku' tgr qpf kpi 'v'vj g'qp khh'qh'vj g'hcp'o qvqt0"

Gzj cwv'hcp"	F ki k'Ugpug" Cpgo qo gygt "Æ "	Uctv'Vko g"	Gpf 'Vko g"	O qvqt'Qp lQh' Uki pcr'Ej gen'
O cuvgt'Dcvj tqo "	O VTa "	"	"	["TP "
O cuvgt'Dcvj tqo "	O VTa "	"	"	["TP "
Qvj gt'Dcvj tqo "3"	O VTa "	"	"	["TP "
Ncwpt t { 'Tqo "	O VTa "	"	"	"



The motor is off (internal sensor).



The motor is on (internal sensor).

70 Vcng'c'rj qvq'qh'vj g'gzj cwv'hcp'i tkng0"

Supply Air Intake Data Logging

```

"
30 J qwug'KF <aaaaaaaa "F cvg<aaaaaaaa "Vko g<aaaaaaaa "Vgej pkekcp<aaaaaaaa
"
"

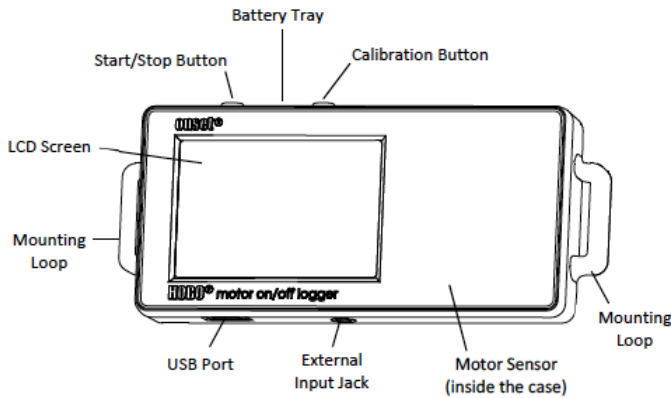
```

Method I: Using Onset Motor On/Off Data Logger for AC Fan

```

"
30 Rtguu'vj g'UctvUqr "dwwqp'hqt'5"ugeqpf u'vq'uactv'iqi i kpi 'f cvc0Ej gem'NQI I KPI 'f kur rc {"
qp'uetggp0'
"
Qpugv'O qvqt'QpIQH'F cvc'Nqi i gt'KF <aaaaaaaaaaaaaaaa ""Uctv'Vko g<aaaaaaaaaaaaaaaa
" " " " " " *gQ 0'O VTa233+
"

```



Hki wtg'36"Qpugv'o qvqt'qp lqhh'f cvc'iqi i gt"

```

40 Cwcej 'vj g'o qvqt'qp lqhh'f cvc'iqi i gt'vq'vj g'kp/rkp'g'uxw r n'f'hcp0'
"
50 Ecrkdtcv'vj g'o qvqt'ugpuqt'vq'vj g'CE'o ci pgv'e'hgrf "dglpi "o gcuwtgf 0'
"

```

c0 Rtguu'vj g'Ecrkdtcv'gdwwqp'hqt'3"ugeqpf 0Vj g'NEF 'uetggp'y knif kur rc { 'vj g'uki pcrn' utgpi vj "qh'vj g'o qvqt0Vj g'uki pcrn'utgpi vj 'uj qwrf "dg'cv'rgcu'5"dctu0Qtkgpv'vj g' nqi i gt'cu'pgeguuct { 'vq'kpetgcug'vj g'uki pcrn'utgpi vj 0'



This shows the signal strength of the motor being monitored. In this example, the signal strength is at full scale. See *Calibrating the Motor Sensor* for more details.

```

"
"
d0 Rtguu'vj g'Ecrkdtcv'gdwwqp'hqt'5"ugeqpf u'y j krg'öJ QNF ö'cr r gctu'qp'uetggp0Vj g'
nqi i gt'y knieqwpvf qy p'vq'vj g'cwq/ecrkdtcv'kp'cpf 'vj gp'f kur rc { 'gkj gt "öRCUÜö'qt"
öHC KÖ"chgt'ecrkdtcv'kp'ku'eqo r rvg0'
"
e0 K'öHC KÖ.'tgr quksqp'vj g'nqi i gt'emugt'vq'vj g'o qvqt'cpf 'tgr gcv0'
"

```

60 Twp'yj g'egpvtcn'ckt"j cpf rgt'hqt"32"o kpwgu0"

"

Uctv'Vko g<aaaaaaaaaaaaaaaaaaaaaa "*****"Gpf "Vko g<aaaaaaaaaaaaaaaaaaaaaa"

"

70 Vcmg"c'rj qvq"qh'yj g'Qpugv'O qvqt"QpIQhh'F cvc'Nqi i gt0"

"

"

Method II: Using Digi-Sense Anemometer (if air intake is accessible)

"

30 Ej genlvq'ugg'kh'F ki k'Ugpug'Cpgo qo gvt'ecp'dg'ugevtf "cpf "r tqygevtf 'htqo 'y gcvj gt"
grgo gpw'*g0 0'tckp+yj cv'ecp'f co ci g'yj g'f gxleg0"

"

40 Uctv'F ki k'Ugpug'Cpgo qo gvt"

"

F ki k'Ugpug'Cpgo qo gvt "F <aaaaaaaaaaaaaaaa "g0 0'CP O a233+"

"

c0 TGE'lj qvrf "**double-flash green**"gxgt { "32"ugeqpf u'vq'lpf lecvg'yj cv'k'ku'lp'o cpwcn'
o qf g'ucpf d{ "

"

d0 Vq'uactv'iqi i kpi .'**press yellow button**'vp'kd'5'i tggp'hcuj gu'cpf '3'tgf 'hcuj gu"

"

e0 **One green flash** *TGE+"gxgt { "32"ugeqpf u'lpf lecvg'yj cv'k'ku'pqy 'iqi i kpi "

"

50 Cwcej 'yj g'F ki k'Ugpug'Cpgo qo gvt'vq'uwr r n' 'ckt'lpvcng0"

"

60 Twp'yj g'egpvtcn'ckt"j cpf rgt'hqt"32"o kpwgu0"

"

Uctv'Vko g<aaaaaaaaaaaaaaaaaaaaaa "*****"Gpf "Vko g<aaaaaaaaaaaaaaaaaaaaaa"

"

70 Vcmg"c'rj qvq"qh'yj g'uwr r n' 'ckt'lpvcng'y kj 'yj g'F ki k'Ugpug'Cpgo qo gvt'cwcej gf 0"

"

"

"

Central Forced Air Use Data Logging

"

30 J qwug'F <aaaaaaaa "F cyg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej plekcp<aaaaaaaa "

"

40 Nqecv'gy q'lwrr n' 'ck' 'i t'kng' hqt' 'o qpkqtkpi "

"

c0 Nqecv'qpp'3<aa "gd 0'3uv' hmq. 'tkkpi 'tqqo +"

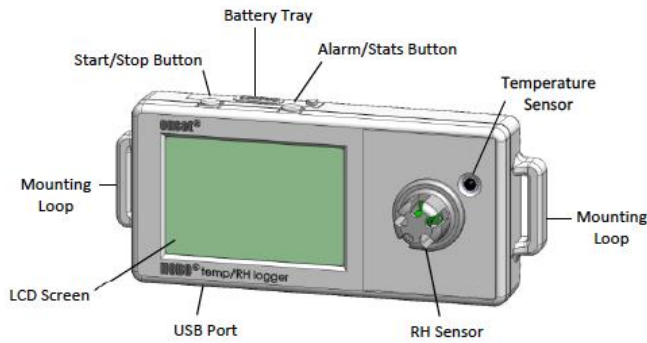
"

d0 Nqecv'qpp'4<aa "gd 0'4pf' hmq. 'o cvgt 'dgr +"

"

50 Uct'vj g'Qpug'Vgo r gtcwtgIT gr'kxg'J wo kf k'F cv'Nqi i gt'd{ 'r tgu'kpi 'yj g'Uct'vUqr " dw'wq'p' hqt' 'S' uge'qpf u'Ej gem'NQI I KPI 'f kur r'c{ "qp'uetggp'0"

"



Hki wtg'37'Qpug'vgo r gtcwtglt gr'kxg'J wo kf k'F cv' hqi i gt "

"

Nqecv'qpp'3'F cv'Nqi i gt'F <aaaaaaaaaaaaaaaaaaaaaaaa "Uct'Vlo g<aaaaaaaaaaaaaaaaaaaa "

"

Nqecv'qpp'4'F cv'Nqi i gt'F <aaaaaaaaaaaaaaaaaaaaaaaa "Uct'Vlo g<aaaaaaaaaaaaaaaaaaaa "

" " " "*****gd 0'VTJ a233+ "

"

60 Cwcej 'yj g'Qpug'Vgo r gtcwtgIT gr'kxg'J wo kf k'F cv'Nqi i gt'v'q' 'yj g'lwrr n' 'ck' 'i t'kng' w'kpi 'o ci pgv'lp' 'yj g'ck'hqy 'r cyj 0"



Hki wtg'38'Gzco r r'g'qh' 'yj g'vgo r gtcwtglt gr'kxg'J wo kf k'F cv' hqi i gt'cwcej 'q' 'yj g'lwrr n' 'ck' 'i t'kng' "

"

70 Vcng'c'rj qv"qh'yj g'lw r r n' 'ck'i t kng'y kj 'yj g'Qpugv'Vgo r gtcwtgI'grv'xg'J wo kf k' 'F cvc"
 Nqi i gt'cwcej gf 0"

"

80 K'vj g'egpvtcn'ck'j'j cpf rgt'ku'off'f wt'kpi 'kpucm'v'kqp.'wtp'yj g'u'ugo 'qp'vq'twp'hqt'32"
 o kpwgu.'yj gp'qhh'ci ckp0"

"

Qp'Vko g'<aaaaaaaaaaaaaaaaaaaaaaaaaaaaa""Qh'Vko g'<aaaaaaaaaaaaaaaaaaaaaaaaaaaaa"

"

Egpvtcn'ck'j'j cpf rgt'o qf g'<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa""*j gcv'kpi . 'eqqn'kpi . 'h'cp'qpn'(+"

"

" " " " """"aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa""*go r gtcwtg'ugv'r qkpv'+"

"

K'vj g'egpvtcn'ck'j'j cpf rgt'ku'on'f wt'kpi 'kpucm'v'kqp.'wtp'yj g'u'ugo 'qhh'hqt'32'o kpwgu.'yj gp"
 qp'ci ckp0"

"

Qh'Vko g'<aaaaaaaaaaaaaaaaaaaaaaaaaaaaa""Qp'Vko g'<aaaaaaaaaaaaaaaaaaaaaaaaaaaaa"

"

Egpvtcn'ck'j'j cpf rgt'o qf g'<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa""*j gcv'kpi . 'eqqn'kpi . 'h'cp'qpn'(+"

"

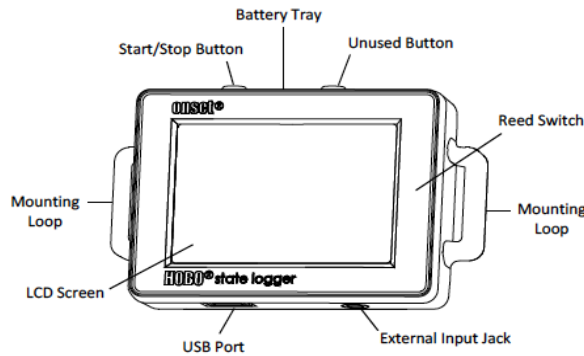
" " " """" """"aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa""*go r gtcwtg'ugv'r qkpv'+"

Door Using State Data Logging

```

"
30 J qwug'KF <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej pkekcp<aaaaaaaa
"
40 Hqt'j qwug'y kj "cp'cwcej gf 'i ctci g.'hqcwv'yj g'f qqt'htqo 'yj g'i ctci g'kpv'yj g'j' qwug0"
"
50 Vcmg'c'rj qvq'qh'yj g'i ctci g'f qqt<
    c0 Xlgy 'htqo 'i ctci g'v'j' qwug.'y kj 'f qqt'emugf 0'
    d0 Xlgy 'htqo 'j' qwug'v'j' ctci g.'y kj 'f qqt'qr gp0'
"
60 Rtguu'yj g'UctvUqqr 'dwwqp'ht'5'ugeqpf u'v'q'uctv'htqi i kpi 'f cvc0Ej gem'NQI I RPI 'f kur rc {"
    qp'uet ggp0'
    Qpugv'Ucvg'F cvc'Nqi i gt'KF <aaaaaaaaaaaaaaaa "Uctv'Vlo g<aaaaaaaaaaaaaaaa
    .....*gd 0'UVCa233+"

```

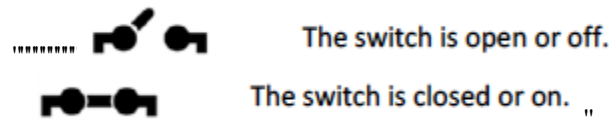


Hki wtg'39'Qpugv'ucvg'f cvc'htqi i gt"

```

70 Vguv'v'ugg'kh'yj g'ucvg'f cvc'htqi i gt'ku'qt'kpv'gf 'eqttgevn' 'v' 'tgeqtf 'qr gpkpi 'T'emukpi 'qh'yj g'
f qqt0"

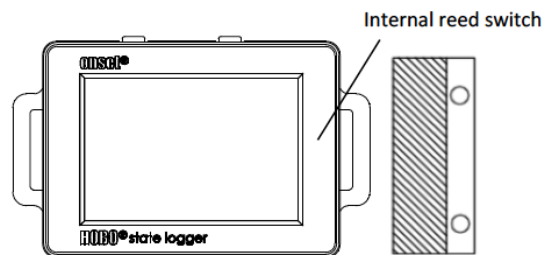
```



```

80 Wug'dmwg'vcr g'v'ugewtg'f cvc'htqi i gt'cpf 'o ci pgv'v'f qqt0'

```



Hki wtg'3: 'Gzco r ng'qh'yj g'f cvc'htqi i gt'cwcej 'v' 'yj g'f qqt"

"
 90 Vcng'c'rj qv'qh'yj g'ucv'f'c'v'hi i gt.'cu'uj qy p'cdqxg0"

"
 : 0 K gpvkh { 'cpf 'f guetkdg'cmr'cvk'f'qqt *u+'v'q'wukf g0Cunluwf { 'r ct vkr cpv'v'f'guetkdg'yj g"
 Htgs wpe { 'qh'wug'qh'gcej 'r cvk'f'qqt0Htqo "yj ku'kphqto cvkq.'kf gpvkh { 'two'f'qqtu'yj cv'ctg"
 wugf 'yj g'o quv'd { 'qeewr cpvu0"

Rcvk'f'qqt"	Htqqt"	F guetkdg'Y j gtg'Rcvk'f'qqt'Gzku"	Htgs wpe { 'qh'Wug` "	F'c'v'Nqi i gt" Kpuvcmgf A'
%3"	"	"	"	["TP "
%4"	"	"	"	["TP "

, 'G0'0'Htqo 'rkxkpi 'tqgo 'v'dcen'ctf.'Htqo 'f'kpkpi 'tqgo 'v'ukf'g' {ctf.'o'cuvt'dgf tqgo 'dcreqp {0"
 ` 'Cm quv'P g'xgt' "hgy 'v'ko gu'c' { gct+.'tctgn' "hgy 'v'ko gu'c'o' qpvj +.'uqo g'v'ko gu' "hgy 'v'ko gu'c'y ggm:."
 qh'v'p' "f'ckn { +.'xgt { 'qh'v'p' "hgy 'v'ko gu'c'f'c { +0"

"
 ; 0 Vcng'c'rj qv'qh'cmr'cvk'f'qqt *u+'x'kgy kpi 'Htqo 'k'pukf'g'yj g'j' qv'v'v'q'q'wukf g0"

"
 320 Rtguu'yj g'Uctv'Uvqr 'dwwqp'ht'5'ugeqpf u'v'q'uctv'hi i kpi 'f'c'v'0Ej gen'NQI I KPI 'f'kur'rc { "
 qp'uetggp0"

Rcvk'f'qqt'K"	Qpugv'Ucv'g'f'c'v'Nqi i gt'K"	Uctv'V'ko g"
"	UVCa"	"
"	UVCa"	"

"
 330 Vguv'v'q'ugg'h'yj g'ucv'f'c'v'hi i gt'ku'qt'k'p'v'g'f'eqtt'ge'v'v'q't'ge'q'f'qr'gp'kpi 'I'em'q'k'p' 'qh'yj g"
 f'qqt0"

"
 340 Wug'dm'g'v'cr'g'v'q'uge'w'g'f'c'v'hi i gt'cpf' 'o'ci'pg'v'q'f'qqt0"

"
 350 Vcng'c'rj qv'qh'yj g'ucv'f'c'v'hi i gt0"



Hk' wtg'3; 'Gzco r ng'qh'rj qv'qh'yj g'f'c'v'hi i gt'c'wcej 'v'yj g'f'qqt"

Setup of Indoor Air Quality Monitoring Station

```
"
30 J qwug'KF <aaaaaaaa "F cyg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej pkekcp<aaaaaaaa
"
40 F kwuu'y kj 'uwf { 'r ct vkr cpv'v'kf gpvh{ 'c'uwkcdng'hqecvqp'hqt'ugvki 'wr 'vj g'kpf qqt'ck "
  swrv{ 'o qpkqtkpi 'ucvqp0'
"
   Egpvcn'3uv'hqqt'hqecvqp'qh'vj g'j qwug'*g0 0'rkxkpi . 'f kpkpi . 'qt' i tgcvtqgo +0'
   Cv'hgcuv'32'h'cy c{ 'htqo 'wpxgpvgf 'eqo dwvqp'uqwtegu'*g0 0'eqnkpi 'cr r rkcpegu+0'
   Cv'hgcuv'32'h'cy c{ 'htqo 'gzvgtkqt'f qqt'vj cv'ku'htgs wgpvqf 'wugf 0'
   P qv'kp'vj g'f kgev'r cyj 'qh'uwr r n{ 'ckhny 'htqo 'hqtgcf 'ck'u{uvgo 0'
   P qv'gzr qugf 'v'f kgev'wprki j v0'
"
"
  Nqecvqp'qh'vj g'kpf qqt'o qpkqtkpi 'ucvqp<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa "tqqo +
"
50 K gpvh{ 'cp'grgevtlcn'qwwg0Rwi 'kp'cp'gzvpuqp'eqtf 0'
"
   Cff 'DO NOT UNPLUG'rcdgn'qp'vj g'qwwgv'cu'c'tgo kpf gt0'
   Wug'r gf gvtkcp'ecdng'eqxgt'tco r "T'twddgt'hqqt'eqtf 'eqpegcgt'v'q'r tngxpv'tkr "
    j c| ctf 0'
"
60 Rwy'gki j v'qp'vj g'dqwgo 'etcvg'*3'qh'6+'v'cf f 'ucdkrkv{ 'v'vj g'o qpkqtkpi 'ucvqp0'
"
70 Cff 'vj g'y q'o k f f ng'etcvgu'*4'cpf '5'qh'6+'cpf 'ugewtg'vj go 'd{ 'l kr 'vku0'
"
80 Uctv'EQ4'kputwo gpv'
"
  c0 Rtguv'cpf 'j qrf 'NQI I GT'hqt"@4'ugeqpf u'v'q'dgi kp'mi i kpi 0'
"
  d0 FCVCNQI I GT'y kn'cr r gct'kp'f kur rc{ 0'
"
  EQ4'kputwo gpv'KF <aaaaaaaaaaaaaaaaaaaa "Uctv'Vlo g<aaaaaaaaaaaaaaaaaaaaaa
"
  " " "*****g0 0EQ4a233+"
"
  e0 Ugewtg'v'qr 'etcvg'*5'qh'6+'d{ 'l kr 'vku0'
"
90 Uctv'PQ4'kputwo gpv'
"
  c0 Ugrgev'NQI I RPI 'UGVWR0'
"
  d0 NQI 'HFGS 0?' '3'O R 0ENGCT'NQI '?' 'l gu0NQI I RPI '?' 'Qp0'
"
"
"
```


" P Q4'kputwo gpv'F <aaaaaaaaaaaaaaaa ""Uctv'Vko g<aaaaaaaaaaaaaaaa ""
" " " *g0 0P Q4a223+ "
"

" e0 Ugevtg'v'qr 'etcvg'*5'qh'6+'d{'| kr 'kg0'
" : 0 Uctv'hqto crf gj {f g'kputwo gpv'
"

c0 Ncdgn'vqf c{au'fcvg.'J qwug'F."cpf'hqto crf gj {f g'kputwo gpv'F "qp'yj g'ugpuqt"
ectv'kf i g'dci 0"

d0 kputv'ugpuqt'ectv'kf i g'kpv'yj g'kputwo gpv'0"
"



Hki wtg'42'Uj k{gk'hqto crf gj {f g'kputwo gpv'

e0 Ugv'o gcuvtgo gpv'f wtcv'qp'?'52'o kpwgu0'
"

" Hqto crf gj {f g'kputwo gpv'F <aaaaaaaaaaaaaaaa ""Uctv'Vko g<aaaaaaaaaaaaaaaa ""
" " " "" "" "" *g0 0HTO a233+ "
"

f0 Ugevtg'v'qr 'etcvg'*5'qh'6+'d{'| kr 'kg0'
"

; 0 Cff'yj g'qr 'etcvg'*6'qh'6+'cpf'ugewt'g'd{'| kr 'kg0"
"

320 Uctv'kpf qqt'RO 'kputwo gpv'O gv'Qpg'DV/867+ "
"

c0 Ej gem'yj cv'ukf g/d{/ukf g'eqo r ctku'qp'y kj 'qwf qqt'RO 'kputwo gpv'j cu'dggp"
eqo r r'ngf 0"
"

d0 Rw'yj g'kpf qqt'RO 'kputwo gpv'kpu'f g'yj g'qr 'etcvg'cpf'r tqx'kf g'r nwi /k'r qy gt0"
"

e0 Uctv'yj g'kpf qqt'RO 'kputwo gpv'd{'r tgu'kpi 'yj g'UCO RNG'ng{0'
"

" kpf qqt'RO 'kputwo gpv'F <aaaaaaaaaaaaaaaa"Uctv'Vlo g<aaaaaaaaaaaaaaaa"
" " " " *****gd 0RO K223+"
"

f0 kpuvcm'vj g'RO 40'e{empg'cpf "qvcrnkprgv'v'vj g'kpf qqt'RO 'kputwo gpv'
"



Hki wtg'43'RO '40'e{empg"

"
g0 Ugevtg'vj g'vqr 'etcvg'*6'qh'6+'d{'| kr 'vkg0"
" "

330Ej gen'vj cv'cm'6'etcvgu'ctg'ugevtgf 'd{'| kr 'vkg0Ej gen'vj cv'vj g'ugwr 'ku'uw'hlekgpva' "
ucdkk' gf 'd{'y gki j v'qp'vj g'dqvqo 0

340 Vcng'r j qvqu'qh'vj g'kpf qqt'o qpkqt'kpi 'ucv'qp'ht'qp'v'x'ky .'cpf 'y q'ukf g/x'ky u'0

"
"
"
"

Setup of Indoor Air Quality Monitoring Station in Master Bedroom

```
"
30 J qwug"KF <aaaaaaaa "F cyg<aaaaaaaa "Vko g<aaaaaaaa "Vgej pkekcp<aaaaaaaa"
"
40 F kwuu'y kj 'uwf { 'r ct vkr cpv'v'kf gpvh{ 'c'uwkcdrg'hqecvqp'hqt'ugvki 'wr 'vj g'kpf qqt'ck"
  swrv{ 'o qpkqtkpi 'ucvqp0'
"
   C'v'gcu'7'h'cy c{ 'h'qo 'gzvgtkqt'f qqt'vj cv'ku'h'gs vgpv{ 'wugf 0'
   P qv'kp'vj g'f'k'gev'r cyj 'qh'uwr r n{ 'ck'hny 'h'qo 'h'qtegf 'ck'u{u'vgo 0'
   P qv'g'zr qugf 'v'f'k'gev'u'wprki j v0'
"
50 K gpvh{ 'cp'grgevtlecn'qwwg0Rnwi 'kp'cp'gz'v'g'p'k'p'eqtf 0'
"
   C'f'f' DO NOT UNPLUG 'h'dgn'qp'vj g'qwwg'v'cu'c't'go kpf gt0'
   W'ug'r'gf'g'ut'k'p'ec'drg'eqxgt't'co r "t'wddgt'h'qqt'eqtf'eqpegrgt'v'q'r't'gx'gpv't'kr"
    j c| ctf 0'
"
60 U'gwr 'c't'kr qf 'uwkcdrg'hqt'j qrf kpi 'k'putwo'gpv'v'q'uco r'ng'c'v'c'r r tqzko cvgn{ '6/h'v'j gki j v0'
"
70 U'ctv'EQ4'k'putwo'gpv'
"
  c0 R't'guu'c'p'f'j qrf 'NQI I GT'hqt'@"'l'geqpf u'v'q'dgi k'p'h'qi i kpi 0'
  "
  d0 F'CV'CN'QI I GT'y k'm'c'r r gct'k'p'f'kur r{ 0'
  "
  EQ4'k'putwo'gpv'KF <aaaaaaaaaaaaaaaa "U'ctv'V'ko g<aaaaaaaaaaaaaaaaaaaaaa"
  " " " *****g0 0EQ4a233+"
"
80 U'ctv'h'qto c'rf gj { f g'k'putwo'gpv'
"
  c0 N'ed'gn'v'q'f'c{ 'u'f'c'v'g.'J' qwug'KF .'c'p'f'h'qto c'rf gj { f g'k'putwo'gpv'KF 'q'p'v'j g'ugpuqt"
    e'ct'v'k'f i g'd'ci 0'
  "
  d0 K'p'ugt'v'ugpuqt'e'ct'v'k'f i g'k'p'v'q'v'j g'k'putwo'gpv'0'
  "
```



Hki wtg'44'Uj k{gkHqto cif gj {f g'kputwo gpv'

"
"

e0 Ugv'o gcuwtgo gpv'f wtcvkqp"? "52"o kpwgu0'

"

" Hqto cif gj {f g'kputwo gpv'kF <aaaaaaaaaaaaaaaa""Uctv'Vlo g<aaaaaaaaaaaaaaaa"

" " " "*****" " *g0 0HTO a233+"

"

90 Ej genlj cv'vj g'tkr qf 'ku'ucdng.'cpf 'kputwo gpw'ctg'ugewtgf 0"

"

: 0 Vcng'rj qvqu'qh'yj g'kpf qqt'o qpkqt kpi 'ucvkqp"sttqpvxkgy .'cpf 'wy q'ukf g/xkgy u=0"

"

Setup of CO2 Instruments in Bedrooms

- 30 J qwug'K <aaaaaaaa "F cyg<aaaaaaaa "Vko g<aaaaaaaa "Vgej pkekcp<aaaaaaaa "
- 40 F kweuu'y kj 'uwf { 'r ct vkekr cpv'vq'kf gpvh { 'wr 'vq'5'qyj gt'dgf tqqo u'*dgulf gu'v'j g'o cuvt "dgf tqqo +v'v'o qpkqt 'EQ40"
 - Kij qwug'j cu'@'dgf tqqo u.'ugrgev'dgf tqqo u'vj cv'ctg'qeewr kcf 'vj g'b qu0"
 - Kij qwug'j cu'5'dgf tqqo u.'o qpkqt 'cm'dgf tqqo u'kh'ceeguukdr0"
 - Kij qwug'j cu'>5'dgf tqqo u.'o qpkqt 'cm'dgf tqqo u'cpf 'wug'v'j g'tgo ckpkpi 'EQ4' kputwo gpv'u+v'v'o qpkqt 'qyj gt'eqo o qp'ctgcu'cy c { 'htqo 'vj g'kpf qqt'o qpkqt kpi "ucv'kqp0'"
- Nqecv'kqp'3<aaa"tqqo +"
- Nqecv'kqp'4<aaa"tqqo +"
- Nqecv'kqp'5<aaa"tqqo +"
- 50 K gpvkh { 'c'uwkcdrg'hqecv'kqp'hqt'r rckepi 'vj g'EQ4'kputwo gpv0O ctm'v'j ku'hqecv'kqp'qp'hmqqt "r rcp0"
 - J gli j v'cv'err tqzko cygn { '6'hv'*gd 0"qp'dqqmuj grh 'f tguugt+ "
 - Cv'rgcu'v'7'hv'cy c { 'htqo "gzvgtkqt 'f qqt 'vj cv'ku'htgs wgpv'v' { 'wugf 0"
 - P qv'kp'v'j g'f kt gev'r cyj 'qh'uw'r r n { 'ckhmqy 'htqo 'hqt'egf 'ck'u { u'vgo 0"
 - P qv'g'zr qugf 'v'f kt gev'u'wpri j v0"
- 60 K gpvkh { 'cp'grgevt'ecnd'qwwrg'0Rnw 'kp'cp'gz'gpukqp'eqtf 0"
 - Cff '**DO NOT UNPLUG**'rdgn'qp'vj g'qwwgv'cu'c'tgo kpf gt 0"
 - Wug'r gf gutkcp'ecdrg'eqxgt 'tco r "t'twddgt'hmqqt'eqtf 'eqpegcrgt 'v'q'r t'gxgpv'v'tkr "j c| ctf 0"
- 70 Uctv'EQ4'kputwo gpv'
 - c0 Rtguu'cpf 'j qrf 'NQI I GT'hqt"@4'ugeqpf u'v'q'dgi kp'mqi i kpi 0'
 - d0 F CVCNQI I GT'y km'cr r gct 'kp'f kur r { 0'
- Nqecv'kqp'3'EQ4'kputwo gpv'K <aaaaaaaaaaaaaaaaaaaa "Uctv'Vko g<aaaaaaaaaaaaaaaaaaaa "
 - " " " " " '*gd 0EQ4a233+ "
- Nqecv'kqp'4'EQ4'kputwo gpv'K <aaaaaaaaaaaaaaaaaaaa "Uctv'Vko g<aaaaaaaaaaaaaaaaaaaa "

Nqecv'kq"5'EQ4'kputwo gpv'kF <aaaaaaaaaaaaaaaaaa"Uctv'Vko g<aaaaaaaaaaaaaaaaaa"
"

80 Vcng'r'j qvqu'qh'y g'EQ4'kputwo gpv'uj qy kpi 'emqug/wr 'cpf 'ku'lwttqwpf kpi 0"

"
"

Start of Passive Sampling

"
 30 J qwug'K <aaaaaaaa "F cyg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej pkek<aaaaaaaa "

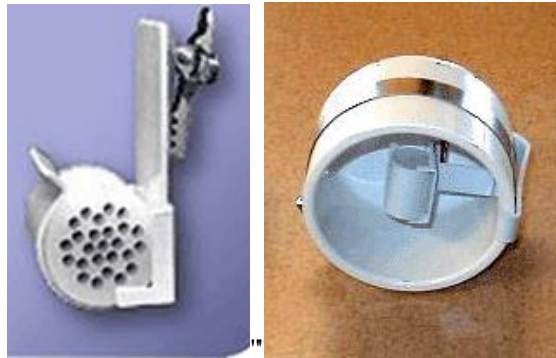
"
 40 Qwf qqt "

" c0 Rww'qp'pktkg'i mxxgu'dghqtg'j cpf rkp i 'r cuukxg'uco r rgu'"

" d0 Vcng'qw'Qi cy c'hgrf "drcpm"cpf "r mæg'qp"vqr "qh'yj g' | kr "dci 0"

" Hgrf "Drcpm"K <aaaaaaaaaaaaaaaaaaaaaaaa "Uctv'Vlo g"<aaaaaaaaaaaaaaaa "

" e0 Kpugt'vj g'qwf qqt "QWV+"Qi cy c" P Qz IP Q4"uco r rgt "cuugo dn { 'kp'v'c'uw r qt v' enr . 'yj gp"cwcej 'yj g'uw r qt v'erkr "v'j g'uco r rkp i 'ecr 0"



Hki wtg'45'Qi cy c' P Qz IP Q4'uco r rgt "cpf 'yj g'uco r rkp i 'ecr "

"
 f0 Vcng'vj g'qwf qqt "QWV+"WO Gz'hqto crf gj { f g'r cuukxg'uco r rgt "qw'qh'yj g'dci 0'
Slide green cover down v'j g'uco r rkp i 'r qukkqp "g'zr qug'F P RJ /vtgcvgf "vcr g'v'q"
 f khwukqp+cpf "dgi kp'uco r rkp i 0'



Hki wtg'46'WO Gz'hqto crf gj { f g'r cuukxg'uco r rgt "

g0 Cwcej 'yj g'WO Gz'hqto crf gj {f g'r cuukxg'uco r rgt'vq'vj g'uco r rkp' 'ecr 0"

Uctv'Vko g<"	
Qi cy c'P Qz IP Q4'Uco r rg'RF "	"
WO Gz'Hqto crf gj {f g'Uco r rg'RF "	"

"

h0 Ugewtg'vj g'uco r rkp' 'ecr 'vq'vj g'qwf qqt'vkr qf 'cv'cr r tqzko cvgn{ '7/hv'j gki j v0

"

i0 Rvw'vj g'Qi cy c'hgrf "drcpml'ccentl'p'vq' l' kr 'dci 0"

"

Hgrf 'Drcpml'Gpf 'Vko g<"aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa"

"

j0 Vcng'c'rj qvq'qh'vj g'r cuukxg'uco r rgtu'*enqug/wr.'cpf 'cnuq'htqo 'hwtvj gt'dcem' u'j qy kpi 'vj g'uco r rkp' 'ecr 'ugewtgf 'qp'vkr qf +0"

"

k0 Mgr 'cm' l' kr 'dci u'lp'c'htgg' gt'dci 'rdgrgf "öOutdoor Passive Samplerö"

l0 Hkr'q'w'vj g'J qwug'RF.'Uco r rg'RF.'F cvg.'Uctv'Vko g.'Uco r rg'Nqecv'kp'lp'vj g'ur ceg' r tqxkf gf 'qp'c'htgg' gt'dci 'qh'vj g'uco r rgt'"

"

50 kpf qqt'O qpkqt'kpi 'Ucv'kqp"

"

c0 Rvw'qp'p'kt'kg'i m'xgu'dghqtg'j' cpf rkp' 'r cuukxg'uco r rgtu'"

"

d0 k'p'gt'v'vj g'k'p'f qqt'*R 3'cpf 'R 4'*f wr r'ecv'g+'Qi cy c'P Qz IP Q4'uco r rgt'cuugo dr'kgu' k'p'v'c'uw' r qt'v'er'k'. 'vj gp'c'wcej 'vj g'uw' r qt'v'er'k' 'vq'c'uco r rkp' 'ucpf 0'

"

e0 Vcng'vj g'k'p'f qqt'*R 3'cpf 'R 4'*f wr r'ecv'g+'WO Gz'hqto crf gj {f g'r cuukxg'uco r rgtu' qw'qh'vj g'dci 0Slide green cover down'vq'uco r rkp' 'r qu'k'k'p'*g'zr qug'F P R J / v'g'cv'gf 'v'cr g'v'q'f h'w'uk'p'+cpf 'dgi k'p'uco r rkp' 0Cwcej 'vj g'r cuukxg'uco r rgtu'vq'c' uco r rkp' 'ucpf 0'

"

Uctv'Vko g<"	
Qi cy c'P Qz IP Q4'Uco r rg'RF "	"
Qi cy c'P Qz IP Q4'Uco r rg'RF '*f wr r'ecv'g+'"	"
WO Gz'Hqto crf gj {f g'Uco r rg'RF "	"
WO Gz'Hqto crf gj {f g'Uco r rg'RF '*f wr r'ecv'g+'"	"

"

f0 Ugewtg'vj g'v'q'v'q'uco r rkp' 'ucpf u'vq'vj g'v'qr 'etc'v'g'0

"

g0 Vcng'c'r j qvq'qh'vj g'r cuukxg'uco r rgtu'*emqug/wr .'cpf 'htqo 'hwtvj gt'dcentluj qy kpi "

"

h0 Mgr 'cm| kr 'dci u'kp'c'htgg| gt'dci 'hcdgrgf "öIndoor Passive Samplerö"

i0 Hkn'qww'vj g'J qwug'RF .'Uco r rg'RF .'F cvg.'Uctv'Vko g.'Uco r rg'Nqecvqp'kp'vj g'ur ceg" r tqxkf gf "qp'c'htgg| gt'dci "qh'vj g'uco r rgt"

"

60 O cvgt'Dgf tqgo ""

"

c0 Rww'qp'pklkg'i nqngu'dghqtg'j cpf rki "r cuukxg'uco r rgtu"

"

d0 Vcng'vj g'o cvgt'dgf tqgo "O DT+'WO Gz'hqto crf gj { f g'r cuukxg'uco r rgt'qww'qh'vj g'dci 0Slide green cover down"v'uco r rki "r quksqp"*gzzr qug'F P R J /xgcvgf "vr g'v'f khwukqp+'cpf "dgi kp'uco r rki 0C wcej "vj g'r cuukxg'uco r rgt"v'c'uco r rki "ucpf 0"

"

Uctv'Vko g<	
WO Gz'Hqto crf gj { f g'Uco r rg'RF "	"

"

e0 Ugevtg'vj g'uco r rki "ucpf "v'vj g'vkr qf "cv'cr r tqzko cvgn{ '7/hv'j gki j v0"

"

f0 Vcng'c'r j qvq'qh'vj g'r cuukxg'uco r rgtu'*emqug/wr .'cpf 'htqo 'hwtvj gt'dcentluj qy kpi "vj g'uco r rki "ucpf "ugevtgf "qp'vkr qf +0"

"

g0 Mgr 'cm| kr "dci u'kp'c'htgg| gt'dci 'hcdgrgf "öMaster Bedroom Passive Samplerö"

h0 Hkn'qww'vj g'J qwug'RF .'Uco r rg'RF .'F cvg.'Uctv'Vko g.'Uco r rg'Nqecvqp'kp'vj g'ur ceg" r tqxkf gf "qp'c'htgg| gt'dci "qh'vj g'uco r rgt"

"

"

G. Telephone script to answer questions during one-week sampling period

"

"

J gmq#O { "pco g'ku'aaaaaaaaa0Kco 'ecnkpi 'htqo 'vj g'I cu'Vgej pqm { "Kpukwng*H VK'cdqw'vj g"
 J gcnj { "GhhekpVp gy 'Ecnkhtpk'J qo gu'Uwf { 'vj cv'y g'ctg'f qkpi 'kp' { qwt'j qo g0"
 "

Rrgcug'o c { "Kur gcnly kj "]uwf { 'r ctvlekr cpv_A'
 "

J gmq"]uwf { 'r ctvlekr cpv_ 'Kco 'ecnkpi 'v'ugg'ki' { qw'j cxg'cp { 's wgu'kpu'qt'eqpegtpu'cdqw'qwt"
 o qpkqt kpi 'f gxlegu'uq'fct'A"
 " *Answer any questions.* "
 "

Rrgcug'dg'tgo kpf gf 'vj cv'k'ku'ko r qtvcpv'vj cv' { qw'p'qv'wpr nwi 'vj gug'f gxlegu'gzegr v'kp'go gti gpe { 0'Vq"
 { qwt'hpqy rfi g.'j cu'vj gtg'dggp'c'r qy gt'kpvgtt wr v'kqp'ukpeg'qwt'rcuv'xkuk'A"
 "

" aaaaaa"] gu aaaaaa'P q "
 "

" K] gu.'f guetkdg<aa"
 "

"aa"
 "

"aa"
 "

"

Y g'cnuq'y cpv'v'q'tgo kpf " { qw'vj cv'k'ku'ko r qtvcpv'v'q'nggr " { qwt'y kpf qy u'enqugf 'f wt'kpi 'vj ku'qpg/
 y ggm'uco r r'kpi 'r gtlkf 0F qkpi 'uq'y kmj gn 'wu'dgwgt'ej ctcevtk' g'vj g'r gthqto cpeg'qh' { qwt"
 o gej cplecn'xgpk'v'k'v'kp'u' u'go 0"
 "

Rrgcug'tgo go dgt 'v' h'm'q'w' { qwt'f ckn' 'nqi 'v' kpf k'ecv'vj g'pwo dgt 'qh'r gqr ng'kp' { qwt'j qo g'cpf 'v'q"
 pqvg'cev'k'k'ku'vj cv'o c { 'i gpgtcvg'kpf qqt 'ck'r qmwcpsu0"
 "

Qwt' h'grf 'v'gco 'y knltgwtp'qp'aaaaaaaaaaaaaa "f cvg'cpf 'v'ko g+'v'eqmgev'cm'bo qpkqt kpi 'f gxlegu0"
 "

Rrgcug'wtp'kp'vj g'f ckn' 'nqi . 'v'qi gvj gt'y kj 'vj g'37/o kpwg'uwtxg' { 'cdqw' { qwt'j qo g.'j qwugj qrf "
 cev'k'k'ku'. 'cpf 'f go qi tcr j keu. 'v'q'vj g' h'grf 'v'gco 'kp'vj g'gpxgm'r g'r tqxkf gf 0"
 "

Vj cpml' { qw'ht' 'cnkpi 'r ctv'kp'vj ku'ko r qtvcpv'tgugctej 'r tqlgex0I qqf d { g0"
 "

"

H. Gathering of Equipment

End of Passive Sampling

"

30 J qwug'F <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej plekp<aaaaaaaa "

"

40 Qwf qqt"

"

c0 Rwf'qp'pktkg'i npxgu'dghqtg'j cpf rki "r cuukxg'uco r rgu"

"

d0 Vcng'qw"Qi cy c'hgrf "drcpm'cpf "r neg'qp"vqr "qh'y g" kr "dci 0"

"

" Hgrf "Drcpm'F <aaaaaaaaaaaaaaaaaaaaaaaa "Uctv'Vlo g"<aaaaaaaaaaaaaaaa "

"

e0 Tgo qxg'y g'qwf qqt "QW+"Qi cy c'P Qz IP Q4'uco r rgt'cuugo dnf 'Htqo 'y g' uwr r qtv'kpi "erkr "cpf'uco r rki "ecr 0Uqtg'y g'uco r rgt'y g'kp'v'ku" kr "dci 0"

"

f0 Tgo qxg'y g'qwf qqt "QW+"WO Gz'Hqto crf gj { f g'r cuukxg'uco r rgt'Htqo 'y g' uco r rki "ecr 0Slide green cover up to stop sampling. 'y gp'uvqtg'y g'uco r rgt' kp'v'ku" kr "dci 0"



Hk vtg'47"WO Gz'Hqto crf gj { f g'r cuukxg'uco r rgt'cv'uvqr "uco r rki "r qukskp"

"

Gpf "Vlo g<"	
Qi cy c'P Qz IP Q4'Uco r rgt'F "	"
WO Gz'Hqto crf gj { f g'Uco r rgt'F "	"

"

F guetkdg'kh'qdugt'xgf "r tqdrgo u'y kj "r cuukxg'uco r rgtu<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa "

"

aa "

*g0 0'o ku'kpi . 'f co ci gf . 'qt "WO Gz'uco r rgt'eqxgt'kp'emugf "r qukskp+ "

"

g0 Rww'vj g'Qi cy c'hgrf "dncpmdcenc'lpvq" kr "dci 0"

"

" Hgrf "DncpmlGpf "Vlo g<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa"

"

h0 Mgr "cm'uco r rgtu'lp'c'ltggj gt'dci 'rdgrgf "öOutdoor Passive Samplerö"

""

i 0 Uqgt'vj g'uco r rpi "ecr . 'uwr r qtv'erkr . 'gve0kp'vj g'o kae0uwr r rku'dci 0"

"

50 kpf qqt'O qpkqtkpi "Ucvkqp"

"

c0 Rww'qp'p'ktkr'i nrxgu'dghqtg'j cpf rpi "r cuukxg'uco r ngu"

"

d0 Tgo qxg'vj g'lpf qqt"*R 3"cpf "R 4"*f wr rkecvg++"Qi cy c'P Qz IP Q4'uco r rgt"
cuugo drku'ltqo 'vj g'uwr r qt'vpi "erkr 'cpf 'uco r rpi 'uvcpf 0Uqgt'vj g'uco r rgtu'vj g'
kp'vq" kr "dci u0"

"

e0 Tgo qxg'vj g'lpf qqt"*R 3"cpf "R 4"*f wr rkecvg++"WO Gz 'hqtto crf gj {f g'r cuukxg"
uco r rgtu'ltqo 'vj g'uco r rpi 'uvcpf 0Slide green cover up to stop sampling. 'vj gp"
uqgt'vj g'uco r rgtu'kp'vq" kr "dci u0"

"

Gpf "Vlo g<	
Qi cy c'P Qz IP Q4'Uco r rgt'RF "	"
Qi cy c'P Qz IP Q4'Uco r rgt'RF "*f wr rkecvg++"	"
WO Gz 'Hqtto crf gj {f g'Uco r rgt'RF "	"
WO Gz 'Hqtto crf gj {f g'Uco r rgt'RF "*f wr rkecvg++"	"

"

F guetkdg'kh'qdugtxgf 'r tqdrgo u'y kj 'r cuukxg'uco r rgtu<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa"

"

aa"

*g0 0'o kuupi . 'fco ci gf . 'qt "WO Gz 'uco r rgt'eqxgt'lp'emugf 'r qukkqp+"

"

f0 Mgr "cm'uco r rgtu'lp'c'ltggj gt'dci 'rdgrgf "öIndoor Passive Samplerö"

""

g0 Uqgt'vj g'uco r rpi "ecr . 'uwr r qtv'erkr . 'gve0kp'vj g'o kae0uwr r rku'dci 0"

"

60 O cvgt'Dgf tqgo "

"

c0 Rww'qp'p'ktkr'i nrxgu'dghqtg'j cpf rpi "r cuukxg'uco r ngu"

"

d0 Tgo qxg'yj g'o cuvgt'dgftqqo "O DT+"WO Gz'hqto crf gj { f g'r cuukxg'uco r rgt'htqo "
vj g'uco r rki "ecr 0Slide green cover up"vq'uvqr "uco r rki . 'yj gp'uvqtg'yj g'uco r rgt"
kpvq' k 'dci 0"

"

Gpf "Vlo g<"	
WO Gz'Hqto crf gj { f g'Uco r rg'K "	"

"

F guetkdg'kh'qdugt xgf 'r tqdngo u'y kj 'r cuukxg'uco r rgt<aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

"

aa

*gd 0"o kuukpi . 'f co ci gf . "qt "WO Gz'uco r rgt "eqxgt 'kp"erqugf "r qukkqp+"

"

e0 Mgr "cm'uco r rgtu'kp"e'htgg| gt "dci "rdgrgf "oMaster Bedroom Passive Samplerö"

""

f0 Uqtg'yj g'uco r rki "ecr . 'uvr r qtv'erkr . "gve0kp'yj g'o kue0uvr r rku'dci 0"

"

Collection of Indoor Air Quality Instruments

"

30 J qwug'KF <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej pkekcp<aaaaaaaa "

"

40 C v'gcej 'hcec vkp.'vcng'c'rj qv'qh'yj g'kputwo gpv'u+dglpi 'eqmgvfg 0"

"

50 Vcng'pqv'qh'yj g'hmqy kpi <"

c0 Rqy gt'wpr nwi i gf "

d0 kputwo gpv'wtpgf "qih"

e0 kputwo gpv'o qxgf 'htqo 'qtki kpcnhcec vkp"

"

60 Ej genlyj cv'gzvpuvkp'eqtf u.'vcr g.'gve0j cxg'dggp'tgo qxgf 0"

"

"	Location"	Instrument* ID"	End Time"	Notes"
*k+	Qwf qqt "	RO Qa "	"	"
		VTQa "	"	"
*k+	kpf qqt "Uc vkp"	RO Ka "	"	"
		EQ4a "	"	"
		P Q4a "	"	"
		HFO a "	"	"
*kk+	O cvgt "	EQ4a "	"	"
	Dgf tqgo "	HFO a "	"	"
*k+	"	EQ4a "	"	"
*x+	"	EQ4a "	"	"
*xk+	"	EQ4a "	"	"

* Instrument List"

EQ4"? "EQ4"o qpkqt *Gzvej "UF : 22"EQ4I"J wo kf kv{ l"Vgo r gtcwtg"Fcvmji i gt+"

HFO "? "Hqto cif gj {f g"o qpkqt *Uj kp{ gk"HO O /O F "Hqto cif gj {f g"Ugpuqt+"

P Q4"? "P Q4"o qpkqt *Cgtqs wcn"Ugtkgu"722"O qpkqt "y l" P Q4"Ugpuqt"J gcf +"

RO K"? "kpf qqt"RO "kputwo gpv"*O gvQpg"DV/867+"

RO Q"? "Qwf qqt"RO "kputwo gpv"*O gvQpg"GU/864+"

VTQ"? "Qwf qqt"vgo r gtcwtgIIJ " *Qpugv"Gzvtgpcn"Vgo r gtcwtgI" Tgrvkg"J wo kf kv{ "F cvmji i gt+"

"

Collection of Activity Sensors

```

"
30 J qwug'KF <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej plekp<aaaaaaaa "
"
40 C v'gej 'hcecvkp.'vcng'c'rj qv'qh'yj g'ugpuqt *u+'dglpi 'eqmgev f 0"
"
50 Vcng'pqv'qh'yj g'hqmjy lpi <
    c0 Ugpuqt'o kulpi 'qt'fco ci gf "
    d0 Ugpuqt'o qxgf 'hgo 'qtki kpcr'hcecvkp"
"
60 Ej genly cv'cr g.'l kr 'vku.'gve0j cxg'dggp'tgo qxgf 0'
"

```

"	Location"	Sensor* ID"	End Time"	Notes"
*c+ "	Eqqmqr " *NghvDcem"	KDwa "	"	"
	*NghvHqpvt"	KDwa "	"	"
	*Tki j vDcem"	KDwa "	"	"
	*Tki j vHqpvt"	KDwa "	"	"
	Qxgp"	KDwa "	"	"
	Tcpi g'J qqf ""	CP O a "	"	"
*d+ "	Htgr rceg""	KDwa "	"	"
*e+ "	Emyj gu'F t {gt"	CP O a "TRNF a "	"	"
	Newpft { "Tqqo " Gzj cwuv'Hcp"	O VTa "TRNF a ""	"	"
*f+ "	O cvgt'Dcyj "/" Uj qy gt"	O VTa "TRNF a "	"	"
	Vgo r gtcwtgl" TJ "	VTQa "	"	"

	O cwtg'Dcyj "/Vqkrgv"	O VTa"TRNF a"	"	"
*g+"	Qyj gt'Dcyj "3"	O VTa"TRNF a"	"	"
	Vgo r gtcwtgI'TJ "	VTQa"	"	"
*h+"	Qyj gt'Dcyj "4"	O VTa"TRNF a"	"	"
	Vgo r gtcwtgI'TJ "	VTQa"	"	"
*i +"	Qyj gt'Dcyj "5"	O VTa"TRNF a"	"	"
	Vgo r gtcwtgI'TJ "	VTQa"	"	"
*j +"	Uwr r nI' 'Ck'I tkng"3"	VTJ a"	"	"
	Uwr r nI' 'Ck'I tkng"4"	VTJ a"	"	"
*k+"	Uwr r nI' 'Ck'I kpcng"	CPO a"TO VTa"	"	"
*l +"	I tci g/vq/" J qwug'F qqt"	UVCa"	"	"
	Rcvkq/vq/" Qwukf g'F qqt"3"	UVCa"	"	"
	Rcvkq/vq/" Qwukf g'F qqt"3"	UVCa"	"	"

*** Sensors List**

CPO "? 'F ki kUgpug'Cpgo qo gvt"

ØW"? 'kDwwqp'Vgo r gtcwtg'Nqi i gt"

O VT"? 'Qpugv'O qvqt'QpIQh'F cve'Nqi i gt"

RNF "? 'Qpugv'Rni 'Nqcf 'F cve'Nqi i gt"

UVC"? 'Qpugv'Ucvg'F cve'Nqi i gt"

VTJ "? 'Qpugv'Vgo r gtcwtgI'Tgrvkg'J wo kf kv{ 'F cve'Nqi i gt"

VTQ"? 'Qpugv'Gperqvgf "Vgo r gtcwtgI'Tgrvkg'J wo kf kv{ 'F cve'Nqi i gt"

I. Check Lists

List of Photos to Take

"

1. House exterior

"

- Gzvtkqt "qh'yj g'j qwug'ltqo 'ltqpV'
- Gzvtkqt "qh'yj g'j qwug'ltqo 'dcem'
- Dcen{ctf "uj qy "qwf qqt 'hktgr nreg. 'DDS . 'i tknkh'r t gugpv+''
- Erqvj gu'f t { gt 'xgpv'uj qy 'kh'gzj cwv'xgpv'ku'dmqengf "qt 'pqv+''
- Uwr r n{ 'ckt 'kpcng'uj qy 'kh'kpcng'ku'dmqengf "qt 'pqv+''
- Gzj cwv'hcp "qwrwv''

"

2. Whole-house ventilation system

"

- I gpgtcr'uwttqwpf kpi 'y j gt g'yj g'u{ uvgo 'ku'rqecvgf "gfi 0"gzj cwv'hcp'kp'rcwpf t { "tqqo . 'kp/nkg'uw r n{ 'hcp'kp'cwk+''
- Erqugw "qh'yj g'u{ uvgo "gfi 0"uj qy "o cnglo qf gn'qh'yj g'hcp+''
- Erqugw "qh'yj g'u{ uvgo "eqpvtqngt "gfi 0"y cmly kej . 'ur ggf "ugwkp . 'vko gt. 'gve0''

"

3. Master and other bathroom(s)

"

- Nqecvqp "qh'yj g'gzj cwv'hcp'kp'tgrvqp "v'yj g'tqqo "
- Hcp'i tkn'
- Y cmly kej "qt "qvj gt "eqpvtqngt ""
- O cnglo qf gn'qh'gzj cwv'hcp ""
- TJ "T'vko gt "ugwkp "qh'gzj cwv'hcp'kh'ceegukdrg"
- Tgr gcv'kh'vkgv'ku'rqecvgf "kp"e'ugr ctcvg'tqqo "

"

4. Laundry room

"

- Erqvj gu'f t { gt "o cnglo qf gn+''
- Nqecvqp "qh'yj g'gzj cwv'hcp'kp'tgrvqp "v'yj g'tqqo "
- Hcp'i tkn'
- Y cmly kej "qt "qvj gt "eqpvtqngt ""
- O cnglo qf gn'qh'gzj cwv'hcp ""
- TJ "T'vko gt "ugwkp "qh'gzj cwv'hcp'kh'cr r rkecdrg ""

"

5. Kitchen

"

- Rj qv "uj qy kpi "dqj 'tcpi g'j qf "qt "o ketqy cxg/eqo dq+cpf "eqqmqr "
- Tcpi g'j qf "ltqpvxky "kpenf kpi "eqqmqr "
- Tcpi g'j qf "ukf g/xky "uj qy kpi "gzvgpukqp "qxt "eqqmqr "

- Tcpi g'j qqf 'o cng'lo qf gn'cpf 'h'cp'ur ggf 'eqpvtqnl'ugw'kpi u'"
- K'pukf g'qh'tcpi g'j qqf 'uj qy kpi 'i tgcug'uetggp'cpf 'h'kngt'iqec'v'kqp'"
- Xgpv'kpi 'f'wev'*qr gp'ecd'k'p'g'v'f'qqt 'h'j'k'f'f'gp+'
- Eqqm'qr '*o cng'lo qf gn'pwo dgt'qh'dwt'p'gtu.'eqpvtqnl'ugw'kpi 'hpqdu+'"
- Qxgp'*o cng'lo qf gn'eqpvtqnl'ugw'kpi 'hpqdu+'"

6. Central forced air system

- Vj gto qucv'*uj qy 'vgo r gtcwt'g'ugv'q'k'p'w'+'
- Hwt'p'ceg'*uj qy 'o cng'lo qf gn'+'
- Uwr r n'f'c'p'f't'g'w't'p'o c'p'k'q'f'u'q'h'c'k'j'c'p'f'r'g't'"
- Ck 'h'kngt'cu'k'p'uc'ng'f'k'p'ecd'k'p'g'v'*uj qy 'c'p'f'i'c'r'u+'
- Ck 'h'kngt'o cng'lo qf gn'eqp'f'k'k'q'p'*p'gy A'w'ug'f'A'f'k'v'f'A'.'y t'k'w'g'p't'g'e'q't'f'q'h'y'g'h'c'u'v'ej'c'p'i'g'f'c'v'g'+'
- CE'*uj qy 'o cng'lo qf gn'+'

7. Attic

- Cw'le'x'g'p'v'k'v'k'p'*i'c'd'ng'x'g'p'v.'t'k'f'i'g'x'g'p'v.'g'v'e'0'+'
- Cw'le'k'p'u'w'v'k'p'+'
- F'w'ey'q't'm'e'q'p'p'g'e'v'k'p'i'g'z'j'c'w'v'h'c'p.'u'w'r'r'n'f'h'c'p.'t'c'p'i'g'j'q'q'f'.'e'g'p't'c'n'l'h'q't'e'g'f'c'k' "u'f'u'v'g'o' "

8. Garage

- I'g'p'g't'c'n'l'x'k'gy'q'h'i'c't'c'i'g' "
- I'c't'c'i'g'v'q'j'q'w'ug'c'e'eg'u'u'f'q'q't' "
- I'c't'c'i'g'g'z'j'c'w'v'h'c'p'k'h'r't'g'ug'p'v' "

9. Other appliances

- Y'c'v'g't'j'g'c'v'g't' "
- H'k't'g'r'r'e'g' "
- Q'y'g't'j'g'c'v'k'p'i'g's'w'k'r'o'g'p'v' "
- Q'y'g't'eq'q'r'k'p'i'g's'w'k'r'o'g'p'v' "
- U'c'p'f'c'm'p'g'c'k't'eng'c'p'g't'u' "
- J'w'o'k'f'k'h'g't' "
- F'g'j'w'o'k'f'k'h'g't' "
- R'w'i'/k'p'q't'u'v'e'm'c'k't'h't'g'uj'g'p'g't'u' "
- DDS.'q'w'f'q'q't'i't'k'n'uo'q'ng't.'h'k't'g'r'k'v.'g'v'e'0' "

10. User manuals

- O cng'cpf 'b qf gñ'qñ'xgpv'k'v'k'p'gs v'k' o gpv'cpf 'qvj gt 'ckh'ny 'f g'x'k'egu'*g'ñ 0" dcvj tqgo "gzj cwv'hc'pu.'t'cpi g'j qaf '*qt' 'b letqy cxg/eqo dq+.'em'vj gu'f t { gt.'egp'v'cñ' hqtegf 'ck' 'u' { ugo +.'cpf 't'cv'gf 'ckh'ny 't'cv'u"
- O cng'cpf 'b qf gñ'qñ'f' cu' r' r' r' k'c'pegu'*g'ñ 0'eqqmqr . 'q'xgp.'h'w't'p'ceg.'y' cvgt 'j' gcvt'+"

11. Outdoor air quality measurements setup

- Qwf qqt'RO '*O g'v'Qpg'GU/864+'qp't'k' qf '*em'ugw' 'r' j' qvq.'cpf 'c' 'r' j' qvq' 'uj' qy 'kpi' " v'j' g' 'i' g'p'g't'c'ñ' u'w't't'q'w'p'f' k'pi' +"
- U'k' g' / d { / u'k' f' g' 'o' g'c'u'w't'g'o' g'p'v'q'h' 'q'w'f' qqt' 'RO' '*O' g'v'Qpg' 'GU/864+' 'c'p'f' 'k'p'f' qqt' 'RO' '*O' g'v'Qpg' 'DV/867+' "
- R'c'u'k'x'g' 'c'k' 'u'c'o' r' r'g't'u' '*em'ugw' 'r' j' qvq.'cpf 'c' 'r' j' qvq' 'uj' qy 'kpi' 'u'c'o' r' r'k'pi' 'e'c'r' 'u'g'e'w't'g'f' " q'p' 'v'k' r' q'f' +"

12. IAQ indoor station setup

- H'k'q'p'v'x'k'gy 'r' j' qvq' 'q'h' 'v'j' g' 'k'p'f' qqt' 'o' q'p'k'q't'k'p'i' 'u'c'v'k'p'p' "
- R'j' qvq' 'uj' qy 'kpi' 'k'p'f' qqt' 'o' q'p'k'q't'k'p'i' 'u'c'v'k'p' 'f' 'k'u'c'p'eg' 'k'p' 't'g'r'v'k'p' 'v'q' 'h'k'ej' g'p' '*uj' qy' " e'q'q'm'q'r' 'h' 'x'k'gy' c'd'r'g' +"
- R'j' qvq' 'uj' qy 'kpi' 'k'p'f' qqt' 'o' q'p'k'q't'k'p'i' 'u'c'v'k'p' 'f' 'k'u'c'p'eg' 'k'p' 't'g'r'v'k'p' 'v'q' 'g'z'v'g't'k'q't' 'f' q'q't'u' 'q't' " y' k'p'f' qy' u' "
- R'j' qvq' 'uj' qy 'kpi' 'k'p'f' qqt' 'o' q'p'k'q't'k'p'i' 'u'c'v'k'p' 'f' 'k'u'c'p'eg' 'k'p' 't'g'r'v'k'p' 'v'q' 'v'j' g' 'p'g'c't'g'u'v'c'k' " u'w' r' n'f' 't'g'i' k'u'g't' "
- R'c'u'k'x'g' 'c'k' 'u'c'o' r' r'g't'u' '*em'ugw' 'r' j' qvq.'cpf 'c' 'r' j' qvq' 'uj' qy 'kpi' 'u'c'o' r' r'k'pi' 'e'c'r' 'u'g'e'w't'g'f' " q'p' 'k'p'f' qqt' 'o' q'p'k'q't'k'p'i' 'u'c'v'k'p' +"

13. Master bedroom IAQ monitoring

- H'k'q'p'v'x'k'gy 'r' j' qvq' 'q'h' 'v'j' g' 'k'c's' 'o' q'p'k'q't'k'p'i' 'u'g'w'r' "
- R'j' qvq' 'uj' qy 'kpi' 'o' q'p'k'q't'k'p'i' 'h'q'ec'v'k'p' 'k'p' 't'g'r'v'k'p' 'v'q' 'o' c'u'v'g't' 'd'g'f' t'q'q'o' 'f' q'q't'.'c'p'f' " g'z'v'g't'k'q't' 'f' q'q't'u' 'q't' 'y' k'p'f' qy' u' "
- R'j' qvq' 'uj' qy 'kpi' 'o' q'p'k'q't'k'p'i' 'h'q'ec'v'k'p' 'k'p' 't'g'r'v'k'p' 'v'q' 'v'j' g' 'p'g'c't'g'u'v'c'k' 'u'w' r' n'f' 't'g'i' k'u'g't' "
- R'c'u'k'x'g' 'c'k' 'u'c'o' r' r'g't'u' '*em'ugw' 'r' j' qvq.'cpf 'c' 'r' j' qvq' 'uj' qy 'kpi' 'u'c'o' r' r'k'pi' 'e'c'r' 'u'g'e'w't'g'f' " q'p' 'v'k' r' q'f' +"

14. CO2 monitoring in bedrooms

- E'm'ugw' 'r' j' qvq' 'q'h' 'v'j' g' 'E'Q4' 'k'p'u't'w'o' g'p'v' "
- R'j' qvq' 'uj' qy 'kpi' 'E'Q4' 'k'p'u't'w'o' g'p'v' 'k'p' 't'g'r'v'k'p' 'v'q' 'd'g'f' t'q'q'o' 'f' q'q't'.'c'p'f' " g'z'v'g't'k'q't' 'f' q'q't'u' " q't' 'y' k'p'f' qy' u' "
- R'j' qvq' 'uj' qy 'kpi' 'o' q'p'k'q't'k'p'i' 'h'q'ec'v'k'p' 'k'p' 't'g'r'v'k'p' 'v'q' 'v'j' g' 'p'g'c't'g'u'v'c'k' 'u'w' r' n'f' 't'g'i' k'u'g't' "

15. Cooktop use monitoring

Rj qvq'uj qy kpi 'kDwwqpu'r mæg'f "qp'eqqmqr "lwthceg"

16. Fireplace use monitoring

Rj qvq'uj qy kpi 'kDwwqp"cwcej gf "qp'htgr mæg"

17. Range hood use monitoring

Rj qvq'uj qy kpi 'F ki kUgpug"cpgo qo gvg't"qt"qvj gt 'f gxleg"*gñ 0"o qvqt "qp'lqhh'f cvc" mqi i gt+"cwcej gf "qp'tcpi g'j qqf "vq"o qpkqt "wug"

18. Clothes dryer use monitoring

Rj qvq'uj qy kpi 'r mxi /mqcf "f cvc"mqi i gt"qt"qvj gt 'f gxleg"*gñ 0"o 'F ki kUgpug" cpgo qo gvg't"qp"gzj cwuv'xgpv+"wugf "vq"o qpkqt "emqj gu'f t { gt 'wug"

19. Exhaust fan use monitoring

Rj qvq'uj qy kpi 'F ki kUgpug"cpgo qo gvg't"qt"qvj gt 'f gxleg"*gñ 0"o qvqt "qp'lqhh'f cvc" mqi i gt+"wugf "vq"o qpkqt "gzj cwuv'hcp"wug"
 TJ "T'ko gt "ugw'kpi "qh'gzj cwuv'hcp'kh'ceegukdrg"

20. Supply air use monitoring

Rj qvq'uj qy kpi "o qvqt "qp'lqhh'f cvc"mqi i gt"qt"qvj gt 'f gxleg"*gñ 0"o 'F ki kUgpug" cpgo qo gvg't+"wugf "vq"o qpkqt "uwr r n{ "ckt "kpxcng"ckl'mqy ""

21. Central forced air system use monitoring

Rj qvq'uj qy kpi "uwr r n{ "ckt "i t'lng'y kj "vj g"Qpugv'vgo r gtcw'tg'l'tgrc'xkg'j wo kf k{ " f cvc"mqi i gt"cwcej gf ""

22. Door use monitoring

Rj qvq'qh'yj g'f qqtu'dgkpi "o qpkqt gf "
 Emqugw "rj qvq'qh'yj g'wcv'g'f cvc"mqi i gt"cwcej gf "qp'yj g'f qqt"

23. Collection of IAQ instruments and activity sensors

Cv'gcej "mqc'v'qp."cng"o'rj qvq'qh'yj g'ICS "kputwo gpw'cpf lqt "ce'v'x'k'v{ "ugpuqtu" dgkpi "eqmgev'gf ""

24. Inline supply fan airflow testing

- Ugr dcent'uj qy 'yj g'f weveqppgevkpi 'v'j g'lp/rlpg'hcp.'lprgv'vgt o kpen'cpf "
- eqppgevkp'v'j g'egpvcilhqtegf "ckt'u{ ugo "
- Erqugr 'rj qv'qh'yj g'ckt'xgrqekv{ 'r tqdg'kpuwcvkqp'rqevkqp"

25. Range hood airflow testing

- Rj qv'uj cv'uj qy u'yj g'ecr wtg'j qvf "cpf 'F wevDrcuvgt 'vguv'ugwr "
- Rj qv'qh'yj g'hcp'ur ggf 'ugvkpi u'f wtkpi 'tcpi g'j qvf "cklmqy 'vgvkpi "

26. Clothes dryer airflow testing

- Rj qv'uj cv'uj qy u'yj g'ecr wtg'j qvf "cpf 'F wevDrcuvgt 'vguv'ugwr "
- Rj qv'qh'yj g'f t{ kpi 'ugvkpi 'ugrgevgt 'f wtkpi "cklmqy 'vgvkpi "

List of Things to mark on Floor Plan

- "
- P qv'cp{ 'f khtgpeg'dgwy ggp'cewenir{ qw'cpf 'hqqt'r rcp"
- Egkxpi 'j gki j w'lp'i tgcvtqqo . 'mkej gp. 'hxxpi 'tqqo . 'f lpxpi 'tqqo . 'dgf tqqo u'cpf 'qyj gt" r ctw'qh'yj g'j qwug'y kj 'f khtgpgv'egkxpi 'j gki j w"
- F qqtu'v'q'wukf g'*gfi 0'o clp'f qqt. 'r cvkq'f qqt. 'f qqt'v'q'i ctcig +"
- Gzj cwv'hcpx'lp'dcvtqqo u. 'r wpf t{ 'tqqo . 'i ctcig. 'gve0"
- Uwr r n{ 'ckt 'lpxgv'khr' tguqpv"
- Tgwtp'ckt' i tkng'qh'egpvcn'hqtegf 'ckt' u{ uqgo "
- Uwr r n{ 'ckt' i tkng'qh'egpvcn'hqtegf 'ckt' u{ uqgo ""
- Ck 'hngt'qh'yj g'hqtegf 'ckt' u{ uqgo ""
- Vj gto qucvu'*rcdgrly kj 'hpm'v'q' u{ uqgo 'dglpi 'eqpvtqmgf 'khi' qpgrf +"
- Eqqmqr '*kpf lcvg'dwtpgtu+'cpf 'qxgp"
- Kpf qqt 'hktgr rceg'"
- Enqj gu'f t{ gt'cpf 'gzj cwv'xgpv'
- Y cvgt'j gcvgt'cpf 'hng"
- Qyj gt'j gcvpi leqqrpi 'gs wkr o gpv. 'f glj wo kf khtg. 'ucpf cmppg'ckt'engcpgtu. 'r nwi /lp lumen'ckt" It guj gpgtu'qdugtxgf 'f wtkpi 'xkukv'
- DDS . 'qwf qqt' i tkn'uo qngt. 'hktg'r kv. 'gve0lp'dcenf ctf "
- Rqukxqp'qh'yj g'qwf qqt'o qpkqtkpi 'kpxt wo gpw'"
- Rqukxqp'qh'KCS 'o qpkqtkpi 'lp'o clp'hxxpi 'ur ceg'cpf 'lp'o cvgt'dgf tqqo "
- Rqukxqp'qh'E Q4'o qpkqtkpi 'lp'qyj gt'dgf tqqo u'"
- "
- "

Nqecvqp'Eqf g"	F guetkr vqp'"
I TM'	Mkej gp'ugevqp'qh'rti g. 'qr gp'i tgcvtqqo ""
I TF "	F lpxpi 'ugevqp'qh'rti g. 'qr gp'i tgcvtqqo ""
I TN"	Nxxpi 'tqqo 'ugevqp'qh'rti g. 'qr gp'i tgcvtqqo ""
MKV"	Mkej gp'yj cv'ku'c'f kxkpevtqqo ""
NXX"	Nxxpi 'tqqo 'yj cv'ku'c'f kxkpevtqqo ""
FPT"	F lpxpi 'tqqo 'yj cv'ku'c'f kxkpevtqqo ""
DT3"	O cvgt'dgf tqqo ""

DT%	Qyj gt'dgf tqqo u'%'? '3.'4.'gve0'
QH%	J qo g'qhhleg"
F GP "	F gp'qt'qr gp'eqpxgtvgf "dgf tqqo ""
DC3"	O cuxgt'dcyj tqqo "
DC%	Qyj gt'dcyj tqqo u"
VQ3"	Vqkqv'tqqo 'kh'ugr ctevg'htqo 'o cuxgt'dcyj tqqo ""
VQ%	Qyj gt'vqkqv'tqqo u'kh'ugr ctevg'htqo "dcyj tqqo ""
NCW'	Ncwpf t{ 'tqqo "
I CT"	I ctcig"
WVK'	Wkkrk\{ 'erqugv'tqqo "

"
"

Gs wkr o gpv'Eqf g"	F guetkr vqpm"
GH%	Gzj cwuv'hcpu'%'? '3.'4.'gve0'
GZ %'	Gzj cwuv'xgpv'u'qp'gzvgtkqt'y cm'
CU%	Ckt'j cpf rgt'uwr r n\ 'tgi kvgt""
CT%	Ckt'j cpf rgt'tgwtp'tgi kvgt"
CJ W'	Ckt'j cpf rgt'wpl'
CH%	Ckt'j cpf rgt'hkvgt""
VO %'	Vj gto qucv"
QJ V"	Qyj gt'j gcvpki "gs wkr o gpv"
QEN"	Qyj gt'eqqkpi "gs wkr o gpv"
I HR"	I cu'htgr nceg"l'iqi 'ugv'
Y J T"	Y cvgt'j gcvgt"
Y J H'	Y cvgt'j gcvgt'hmg'qp'gzvgtkqt'y cm'
FRV"	Urk kpi 'f qqt'vq'dcem\ctf "qt'r cvkq"
FI J "	F qqt'htqo 'i ctcig'vq'j qwug"
FHI"	Htqpv'f qqt"

TJ F "	Tcpi g'j qqf "
TFZ "	Tcpi g'j qqf "gzj cwu'xgpv'qp"gzvgtkqt'y cm'
E]Z[_"	Eqqmqr "dwtpgt"
QXP "	Qxgp"
EFT "	Emvj gu'f t { gt "
FTZ "	Emvj gu'f t { gt "gzj cwu'xgpv'qp"gzvgtkqt'y cm'
J WO "	Ucpcf cnpvg'j wo kf lkg t "
FGI "	Ucpcf cnpvg'f gj wo kf lkg t "
ENP "	Ucpcf cnpvg'ck "engcpgt"
HTU"	Rnwi /kp'l'ukem'ck 'ht guj gpgt"
DDS "	Qwf qqt "dds "qt 'i t km'

"

"

O qpkqt "Eqf g"	F guetkr vkqp"
QW"	Rqukkqp"qh'qwf qqt"o qpkqt kpi "gs vkr o gpv'
KCS "	Rqukkqp"qh'kpf qqt"o qpkqt kpi "gs vkr o gpv'kp"o ckp'rk kpi 'ur ceg'cpf 'kp"
EQ4"	Rqukkqp"qh'EQ4"o qpkqt kpi 'kp"qvj gt "dgt tqgo u"

"

J. Conduct Diagnostic Tests

DeltaQ Test

J qwug'KF <aaaaaaaa "F cvg<aaaaaaaa "Vko g<aaaaaaaa "Vgej pkekcp<aaaaaaaa "

Epppgewkpu"

DG700 Control Connections"

Vj g'FI 922'pggf u'vq'dg'wtpgf "qp'cpf "eqppgevgf "vq"WUD"*gkj gt'y kj "o kp'vq'tgi wxt"WUD'qt'kh' qif gt'y kj 'c'EEO "vq"WUD'eqpxgtgt+'dghgt'wctvpi 'yj g'F gncS 'r tqi tco < "



Hki wtg'48'FI 922'eqppgevgf "vq"WUD"

FI 922'eqppgevgf 'y kj '3l: 'kp'0lcent'vq'dmgy gt'f qqt "eqpvtqngt'0"Dmgy gt'f qqt "eqpvtqngt'pggf u'vq'dg" lww'c'erlenlr cuv'öqhhö"*qt'yj g'dmgy gt'f qqt'fcp'y kn'pgxgt'wtp#0'



Hki wtg'49'FI 922'eqppgevgf 'y kj '3l: 'kp'0lcent'vq'dmgy gt'f qqt "eqpvtqngt' "

"

"

"

DG700 pressure tubing connections:

J qwug'r tguwtg'qp'ej cppgnC"

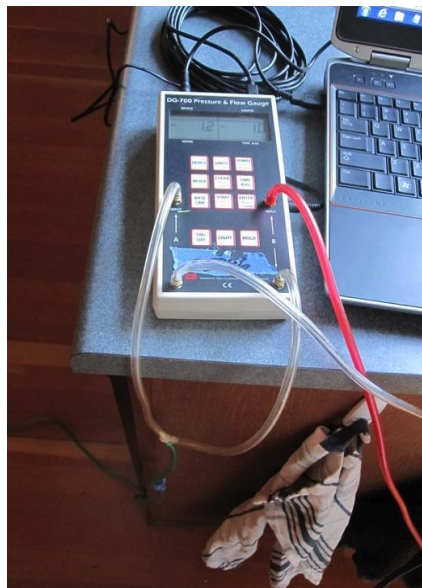
Dmry gt'f qqt'qp'ej cppgnD"

Wug'c'j qug'hqt'kpukf g'r tguwtg'y kj "j qug"@2'h'cy c{ 'htqo "dmry gt'f qqt'qt"v"cpqj gt'tqgo 0"



Hki wtg'4: "J qugu'hqt'dmry gt'f qqt"

Y j gp'f gr tguwtk kpi ."wug'c"V"cpf "gzxc"j qug'v"eqppgev'j g'lpf qqt'r tguwtg'wdkpi "v"dqj " ej cppgn0Tgf "wdg'ku"v"dmry gt'f qqt0I tggp'wdg'v"j g"V'ku'lpf qqt'r tguwtg'cu'uggp'i qkpi "v" qj gt'tqgo 'kp'cdqyg'r kwtg0'



Hki wtg'4: "Vwdgu'eqppgev'v"v"j g'FI 922"

"

Y j gp'r tguwtk kpi ."wug'c"V"cpf "gzxc"j qug'v"eqppgev'j g'dmry gt'f qqt'tghgtgpeg"v"qwukf g" r tguwtg'cpf "qwukf g'r tguwtg'v"j qwug'ej cppgn0P qv'j cv'j g'lpf qqt'r tguwtg'ku'pqy "eqppgev'f " f kgev'v"v"j g'FI 922'cpf "j g"V"eqppgev'j g'qwf qqt'r tguwtg'v"dqj "ej cppgn0'



Hki wtg'52'Gzco r ng'qh'V'epppgvqp'dgvy ggp'wdgu'cpf 'yj g'FI 922"

"

"

Qyj gt'wdkpi 'vkr u<

Vt { 'vq'hggr 'wdgu'cy c { 'htqo 'rcti g'ckt'o qxgo gpw'pgct'yj g'drny gt'f qqt0'

Vt { 'pqv'vq'vgr 'qp'wdgu#'

I gwkpi 'wdgu'qh'h'yj g'hrqqt'ecp'j gr <



Hki wtg'53'Qxgtcm'gizr gtko gpwri'ugwki 'y kj 'wdgu'cpf 'yj g'FI 922"

"

"

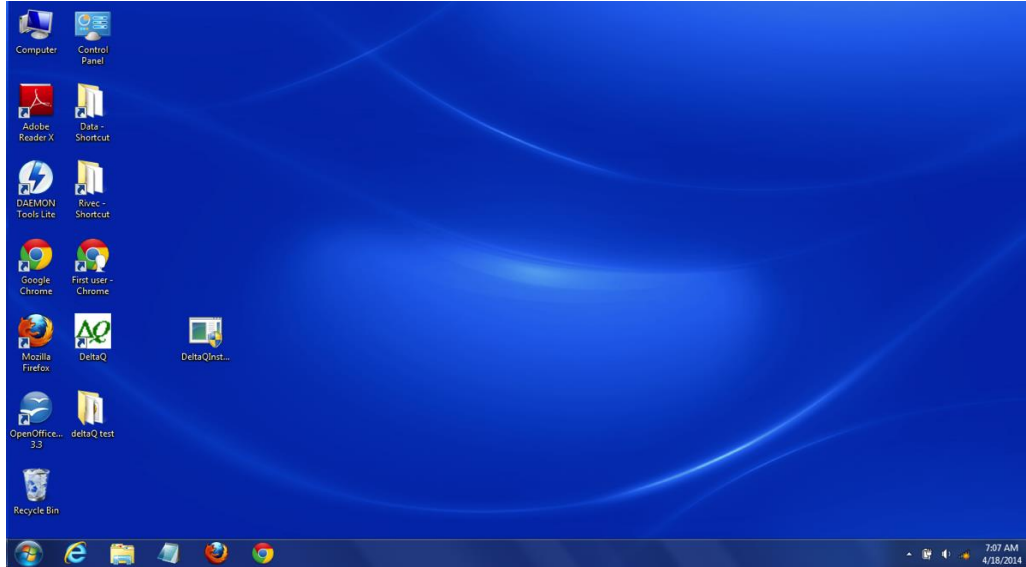
Uqhy ctg "kpxcncvkqp" cpf "Ugwr "

Installation

Twp'yj g'gz g'vq'kpxcmlyj g'uqhy ctg"

I q'vq'Rtqi tco u'/'@Gpgti {Eqpugtxcvqt {0""

Tki j'verkenlqp'f gncS "cpf 'ugpf 'vq'f gumqr "o'lwv'hqt'eqpxgplgpeg"

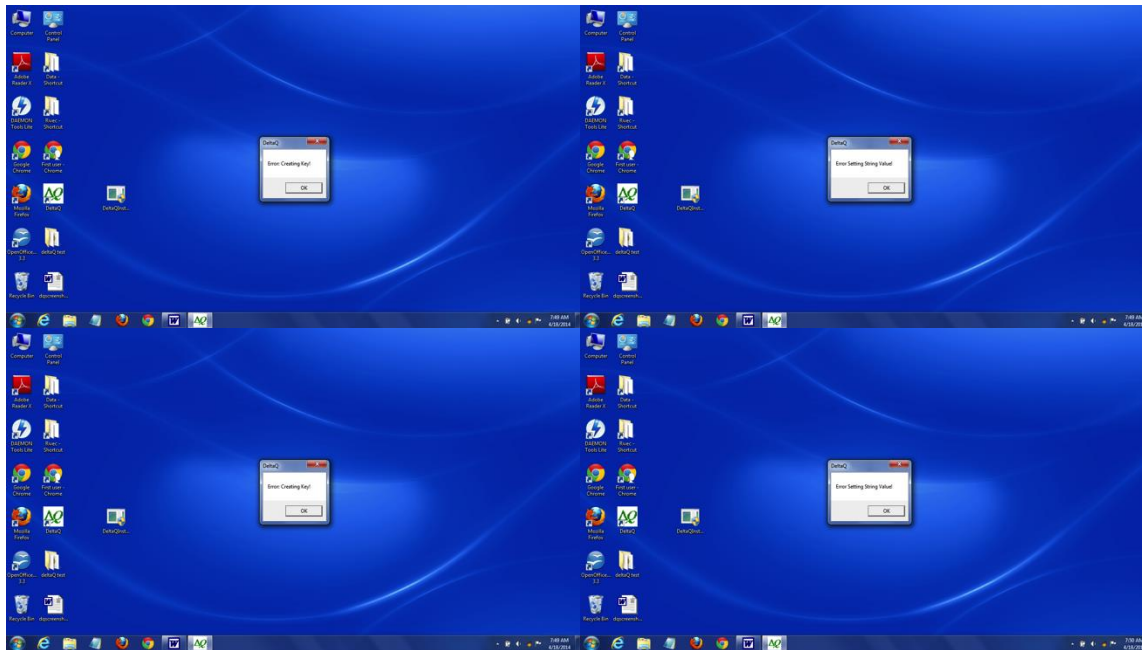


Hki wtg"54'F gncS "uqhy ctg'kpxcncvkqp"

"

Uctv'yj g'F gncS "uqhy ctg'd' { 'f qwdrg/erlenkpi "

Vj g'hqmqy kpi 'hqwt'gttqtu'eqo g'wr '/'/'{qw'ecp'ki pqtg'yj gug'gttqtu'cpf 'lwv'erlenlQm60"



Hki wtg"55'Uctv'yj g'F gncS "uqhy ctg"

Cpqy gt'f'kcmj "dqz'y kj "oNqcf "f ghwv'eqphki wcvkqp'o'eqo gu'wr 0'ErkenlQm60"

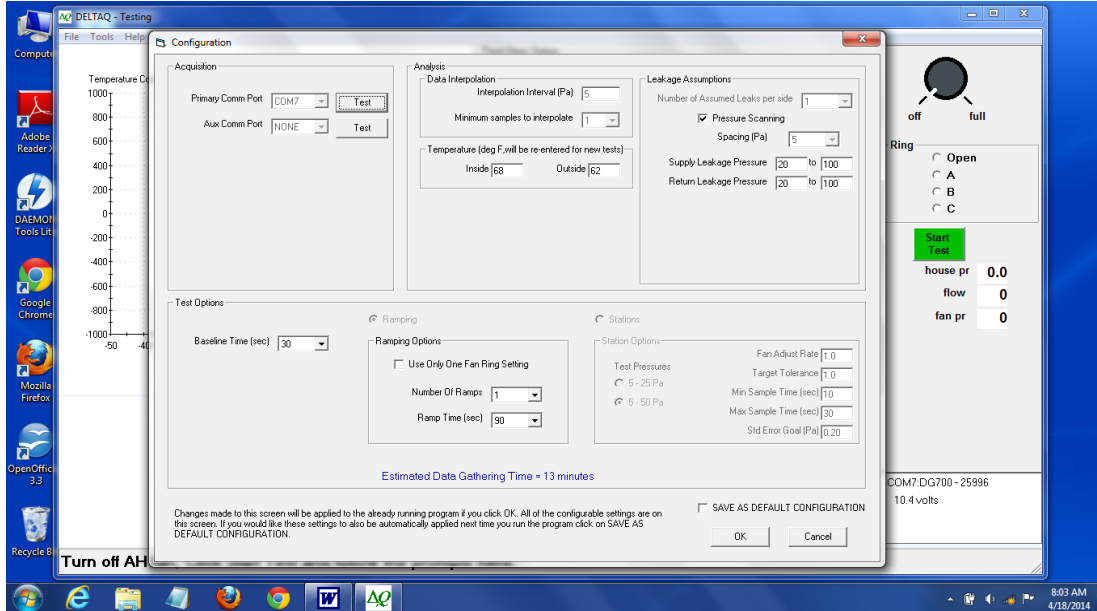
Rtqi tco 'uj qwf 'uactv0"

Setup

Ugwr 'ku'vq'i gv'ij g'FI 922'vq'vcm'vq'yj g'eqo r wgt'xk'WUD'cpf 'ugv'uqo g'r ctco gygtu'hqt'yj g' cwqo cvgf 'vgu'kpi 0'

Erken'vqnu/@qr vqpu'v'j ku'r wnu'w'r 'yj g'eqphki wtcv'kpu'y kpf qy "

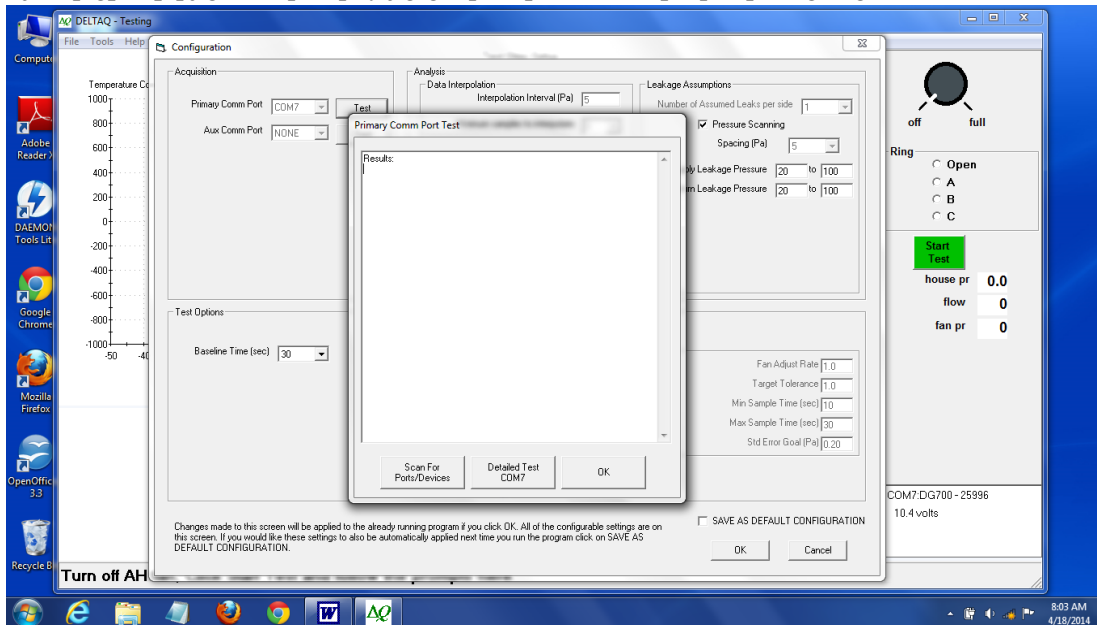
Kp'vqr 'hgh'dqz'/'\$Ces wukv'kq'p'hqt'yj g'"oRtko ct {'Eqo o 'Rqt'v'o'/'ugrge'v'vq'vgu'0"



Hki wtg'56'Ugwr 'yj g'F gncS 'uqhy ctg'

"

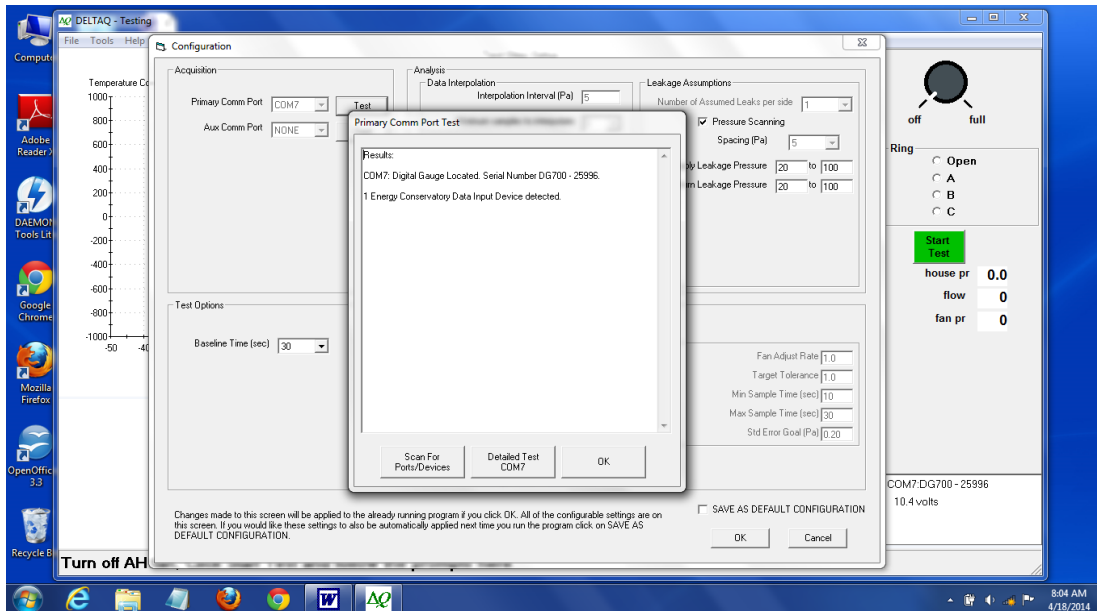
Vj ku'qr gpu'cpqj gt'f kcmj 'dqz'y j gtg'{'qw'ecp'erken'Suecp'hqt'r qt wulf gxleguS'



Hki wtg'57'Uecp'hqt'r qt wulf gxlegu'cv'ij g'F gncS 'uqhy ctg'

"

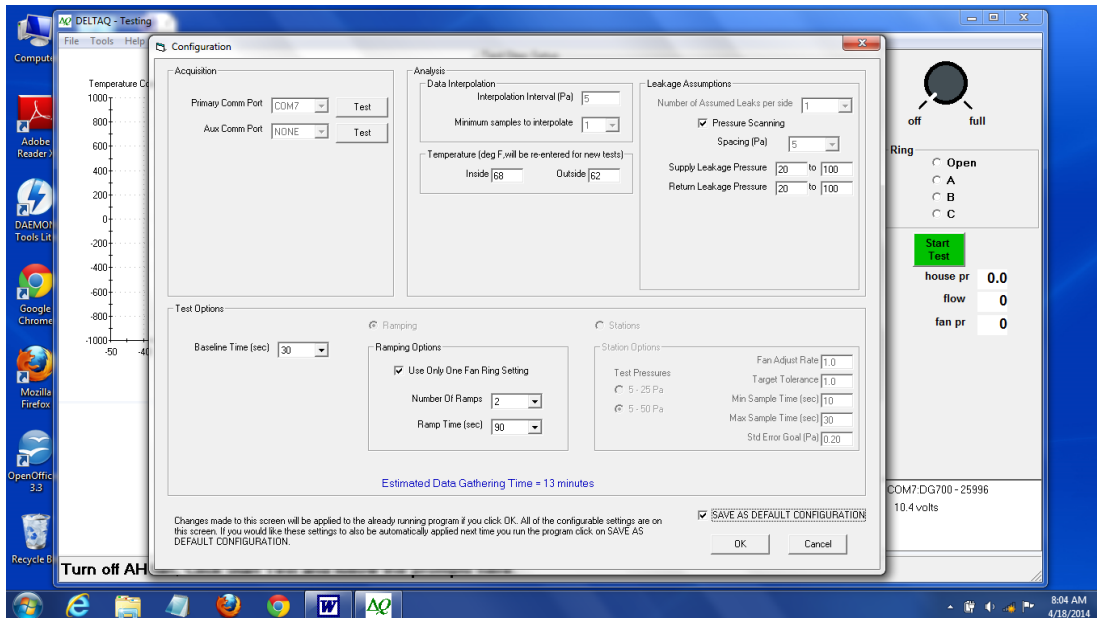
Vj ku'y knlkpf 'yj g'FI 922'qp'yj g'eqo o 'r qt vOTgeqt'f 'yj g'EQO 'pwo dgt/'erken'QM"



Hki wtg'58'Uecp'yj g'FI 922'cv'yj g'F gncS 'uqhy ctg"

"

Vj ku'EQO 'r qt'vuj qwf 'yj gp'cr r gct 'kp'yj g'öRtko ct { 'Eqo o 'Rqt'ö0'K'pqv'ö'yj gp'ugrgevk/htqo 'yj g' r wnf'qy p'o gpw0'



Hki wtg'59'Ugrgevj yj g'FI 922'cv'yj g'F gncS 'uqhy ctg"

"

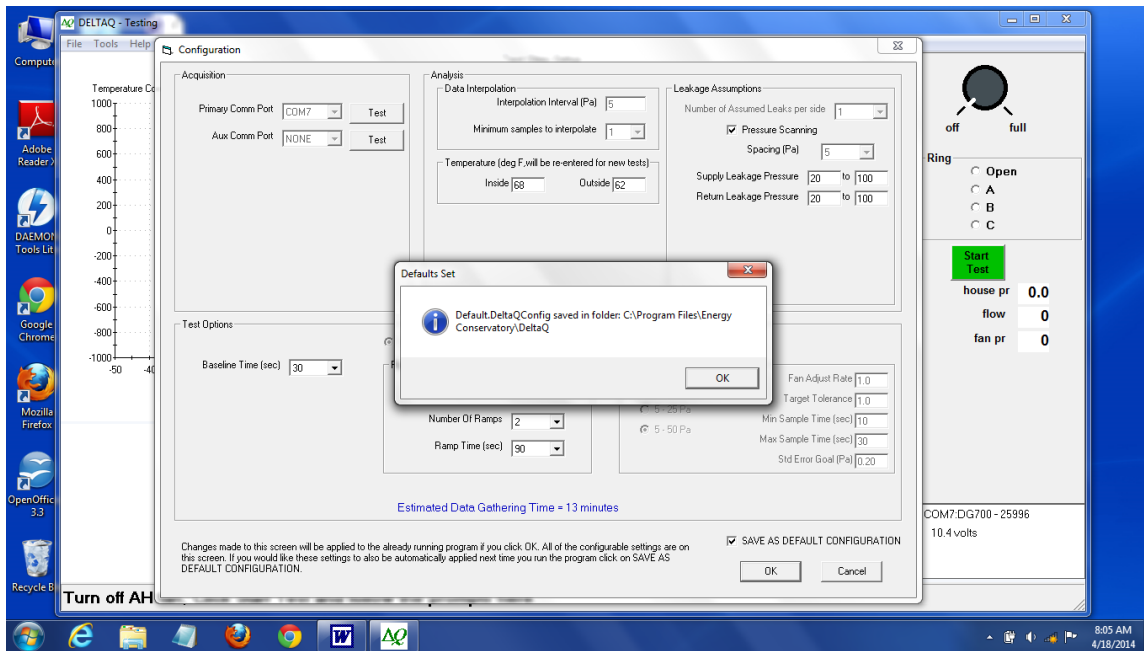
Qy gt'yj kpi u'vq'ugv'yj gtg'no quv'uj qwf 'dg'crt gcf { 'ugv'd { 'f ghwv'v'<
 Kp'yj g'Cpcnf'uku'Dqz'<
 Kp'vtr qrv'kqp 'kpvgt'xcn'7'Rc"
 O kpk wo 'pwo dgt'qh'uco r rgu'3"
 Enqvg'yj g'öEqphki wtv'kqpö'yj kpf qy "

Kp"vj g'Ngcnai g'Cuuwo r vkpu'Dqz-<
 P wo dgt"qh'cuwo gf "rgcnu<3"
 Rtguwtg'uecppkpi "uj qwr "dg'ej gengf "
 Uwr r n("cpf "t'gwtp'rgcnai g'r tguwtg'rko ku'uj qwr "dg'42"cpf "322"Rc0'
 "

Kp"vj g'Vguv'Qr vkpu'Dqz-<
 Dcugrkpg"Vko g<52u"
 Tco r kpi "qr vkpu<"
 Vj g'wug'qpn("qpg'tkpi "uj qwr "dg'ej gengf 0"
 P wo dgt"qh'tco ru4"
 Tco r "vko g<; 2'u"
 "

Erkeni'qp'Sucxg'cu'f ghcwn'eqphki wtcvkpS'cpf "oQM60"Vj ku'uj qwr "o gcp'vj cv'vj g'pgz'v'vko g'{"qwtwp"
 yj g'uqhy ctg'qp'vj ku'eqo r wgt'{"qwf'q'pq'vj cxg'vq'f'q'vj ku'ugwr 'hqt'vj g'FI 922'ci ckp0'
 "

Vj g'hqmqy kpi 'f'krcpi "dqz'r qr u'wr "v'vgnl'{"qwy'j gt'g'vj g'f'cvc'qwr w'hkrgu'y kn'dg'uvqt'gf 0"Vj ku'ecpaw'
 dg'ej cpi gf "kp"vj g'uqhy ctg'vq'pq'vj g'f'kt'gevqt'{"cpf 'erkeni'QMD'
 "



Hki wtg'5: 'Ucxg'vj g'eqphki wtcvkp'ugw'kpi "hqt'vj g'FI 922'cv'vj g'F gncS 'uqhy ctg'"

"
 "
 "
 "
 "
 "
 "
 "
 "
 "
 "

Uctvki "c'P gy "Vguv"

Erlemhkg"/@pgy "

Cv'vj g'Vgo r gtcwtg'f kcmj " /"gpvgt'vj g'kpf qqt'cpf "qwf qqt'vgo r gtcwtg'j' gtg"

Hqmjy "vj g'kpuv wv'kpu'qp'vj g'uetggp0'

Vj g'kpuv wv'kpu'i q'uvgr "d' 'uvgr 'vj tqwi j "vj g'hqwt'ugev'kpu'qh'vj g'v'guv"

30F gr tguwtk' cvkqp."ck'j' cpf rgt'hcp'qhh'

40F gr tguwtk' cvkqp."ck'j' cpf rgt'hcp'qp"

50Rt guwtk' cvkqp."ck'j' cpf rgt'hcp'qp"

60Rt guwtk' cvkqp."ck'j' cpf rgt'hcp'qhh'

"

Vj g'qpnf "gzege v'kpu'ku'vj cv'vj g'hkuv'uvgr "vj cv'guvcdkuj gu'vj g'dmry gt'ugv'kpi "hqt'o czko wo "gpxgrqr g" r tguwtg'uj qwf "dg'v'wtp'vj g'hpqd'qp'vj g'uetggp'v'q'i gv'72'Rc'pqv'52'Rc0'

C'vr "j' gtg'o" { qw'wug'vj g'o qwug'v'q'r wri'vj g'kpf kcvqt'qp'vj g'hpqd'qp'vj g'uetggp'v'q'qr gtcv'vj g'

dmry gt'f qqt0'k'vj g'dmry gt'f qqt'f qgu'pqv'wtp'qp'ej gen'vj cv'vj g'dmry gt'f qqt'eqpv'qmg'ku'erkngf "

k'p'vj g'q'p'r quk'k'p0'k'vj cv'f qgu'pqv'y qtm't { 't'guv'kpi "vj g'F gncS "uqhy ctg'v'qo gv'ko gu'k'h' { qw'

uvt'vj g'uqhy ctg'dghqtg'wtp'kpi "qp'vj g'F I 922'vj g'eqo o w'kcv'k'p'v'q'vj g'F I 922'f qgu'pqv'y qtm't0' ""

Cpqjy gt'vr <tgo go dgt'v'ej cpi g'vj g'tghgt'gpeg'r tguwtg'hqt'vj g'dmry gt'f qqt'y j gp" { qw'ej cpi g'

htqo "f gr tguwtk' cvkqp'v'q'r tguwtk' cvkqp0' [qw'y kn'dg'r tqo r vgf "v'f q'vj ku."dwl'ku'gcu'v'q'hqi gv0'

"

[qw'y kn'ugg'vj g'f cv'dgkpi "r m'wgf "qp'vj g'uetggp0'Vj ku'ku'c'dki "j' gn "cu'k'j' gn u" { qw'v'ugg'y j gp"

uqo g'p'g'uvgr u'qp'c'r tguwtg'wdg'qt'k'h'c'dki "i wuv'qh'y kpf "eqo gu'c'qpi . "qt'k'h'uo g'p'g'qr g'pu'c"

f qqt'qt'y kpf qy "f w'kpi "vj g'v'guv0'

"

Ugg'F gncS "Vguv'kpi "S E'hqt'gzco r ngu'qh'y j cv'v'q'iq'qnhqt'k'p'o gcuwtg'f cv'c'y kj "uki p'h'k'cpv'gttqtu" ecwugf "d' { 'y kpf 0'

"

Cv'vj g'g'pf "qh'vj g'v'guv'vj g'tguv'v'ctg'f kur r { gf 0"

Tgeqtf "vj g'uvr r n' { 'cpf 't'gwtp'ck'h'my "k'p'vj g'ur t'gcf'uj ggv'ki p'q'g'vj g'gttqt'gunko cvgu+0'

"

k' { qw'vj k'pni' { qw'j' cf "c'dki "i wuv'qh'y kpf "qt'v'qo gdqf { 'uvgr r gf "qp'c'r tguwtg'wdg'f w'kpi "vj g'v'guv"

erlem'qp"o'v'q'qnu' / @t'gr gcv'c'uvgr o'c'p'f "ugrge'v'htqo "q'p'g'qh'vj g'hqwt'uvgr u'cdq'x'g'v'q'tgf q0' [qw'y kn'

hqmjy "vj g'r tqo r w'v'q't'gvcng'vj g'uvgr "vj cv' { qw'ugrge'v'f 0'

"

Vj g'uqhy ctg'uc'x'gu'cni'vj g'f cv'k'p'", (f gncS f cv'v'gzv'hkg0'Vj g'uqhy ctg'et'gcv'gu'c'F gncS "v'guv"

f k'gevt { "v'j g'v'co g'r m'eg'vj g'cr r n'kcv'k'p'ku't'wp'htqo "+cpf "vj ku'ku'y j gtg'vj g' (f gncS f cv'h'kgu'ctg"

uq'gt'f 0'

""

Chgt'gcej "v'guv'ugtej "K'K'U'GUUGP VICN'v'q'ugtej "hqt'c'h'kg'ecmgf ""

F gncS Tgr qt'v'j vo n'c'p'f 't'gpco g'k'w'k'p'ij g'v'co g'h'kg'k'f g'p'v'k'gt'cu'wugf "v'q'uc'x'g'vj g'tcy "F gncS "

f cv'0'""

Exhaust Fan Airflow Testing

"

30 J qwug'KF <aaaaaaaa "F cyg<aaaaaaaa "Vko g<aaaaaaaa "Vgej plekcp<aaaaaaaa "

"

40 F guetkdg'vj g'gzj cwv'hcp'dgkpi 'vgvuf 0"

"

c0 Nqecv'kp<aaaaaaaaaaaaaaaaaaaaaaaaaaaa "

"

d0 Uy kej 'ugw'kpi <aaaaaaaaaaaaaaaaaaaaaaaaaaaa "QpIQhA'Vko gt'ugw'kpi A'"

"

e0 I t'kng'eqpf'k'k'p<aaaaaaaaaaaaaaaaaaaaaaaaaaaa "F wv'AD'ncnci gA'"

"

f0 Vcng'r'j qvq"

Ugr 'dcen'v'uj qy 'gzj cwv'tqgo 'kp'vj g'tqgo "

Gzj cwv'hcp'i t'kng'emugwr "

Gzj cwv'hcp'uy kej 'emugwr "

"

50 Eqppgev'o gvtkpi 'dqz'v'FI /922"

c0 Eqppgev'wdkpi 'v'Ej cppgn'D'k'p'w'cr "

"

60 Ugr'ev'c'f'qqt'r'qu'k'k'p'qp'vj g'o gvtkpi 'dqz"

c0 G3<'66'v'346'EHO "

d0 G4<'43'v'7; 'EHO "

e0 G5<'32'v'4: 'EHO ""

"

70 Vwtp'qp'FI /922"

c0 Ugr'ev'F'GX'EG'? 'GZJ "

d0 Ugr'ev'vj g'eqph'ki w'c'v'k'p'vj cv'o cvej 'vj g'f'qqt'r'qu'k'k'p'"

G3<'EQP'HK "? 'C3"

G4<'EQP'HK "? 'D4"

G5<'EQP'HK "? 'E5"

"

80 O gcw'wg'gzj cwv'hcp'ck'h'qy "

c0 Vwtp'qp'gzj cwv'hcp"

d0 R'rc'eg'o gvtkpi 'dqz'qxgt'hcp'i t'kng'v'v'g'v'c'ck'v'ki j v'ug'ci'

e0 J q'rf'h'qt'cv'ig'cu'32'uge'q'pf'u'h'qt'cw'q'g'gt'q'k'pi "

"

f0 Tge'q'tf'EHO <aaaaaaaa. "aaaaaaaa. "aaaaaaaa "

"

Ceegr v'cd'rg't'g'c'f'k'pi 'h'5'u'w'd'ugs w'gp'v't'g'c'f'k'pi u'v'KIO G'CXI "? '7'uge'q'pf'u'"

ctg'cr'r't'q'z'k'o c'v'gn'f' - 1'7'EHO ""

C'f'l'w'v'f'q'qt'r'qu'k'k'p'c'p'f'FI /922'ugw'k'pi 'h'r't'g'u'w't'g'h'c'm'u'q'w'u'k'f'g'q'h'3'v'q'"

: 'Rc't'c'p'i g"

K'i'@ 'Rc.'k'p'et'g'c'ug'q'r'g'p'k'pi 'u'k'g'v'q'y'c't'f'u'G3+'"

Ki'>3"Rc."f getgcug"qr gplpi "uk g"*qy ctf u'G5+"

"

90 Tgwtp"gzj cwv'hcp"vq"qtki kpcn'ugwkp'i r tkqt"vq'vgu0"

"

:0 Vko g'Eqo r ngvf <aaaaaaaaaa"

Range Hood Airflow Testing

"

30 J qwug'KF <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej plekcp<aaaaaaaa "

"

40 Rgthqto 'uqwpf 'ej genl'

"

c0 Uctv'pqkug'ngxgn'cr r '*gfi 0'URN'Rtq+ "

"

d0 O gcuwtg'dceni tqwpf 'pqkug'hqt'82'ugeqpf u"

"

e0 F gvgto kpg'vj g'pwo dgt 'qh'hcp'ur ggf 'ugwkipi u"
 Hqt 'f wcn'hcp'tcpi g'j qqf . 'gcej 'hcp'o c { 'dg'eqpvtqmgf 'ugr ctcvgn(0Hqt "
 gzco r ng.'ghv'hcp'QP IQHH'cpf 'tki j v'hcp'Nqy IQHHIJ ki j 'o gcpu'7'ugwkipi u "
 vq'dg'\vgugf 0"

"

f0 O gcuwtg'vj g'pqkug'ngxgn'qh'tcpi g'j qqf 'cv'gcej 'hcp'ugwkipi "
 Vcng'r lewtg'qh'vj g'hcp'ugwkipi 'dglpi '\vgugf 0"

"



Hki wtg'5; 'Gzco r ng'qh'vj g'r j qq'qh'vj g'hcp'ugwkipi "

"

Eqmgev'52'ugeqpf u'qh'f gekdgn'o gcuwtgo gpw'cv'gcej 'ugwkipi 'Itqo 'tqwi j n' "

y j gtg'c'eqqmly qwrf 'ucpf 'cpf 'eqo r ngv'cdrg"

"

Hcp'Ugwkipi "	Vlo g'Uctv'	Vlo g'Gpf "	F gekdgn'
O GF "	"	"f dC "
NQY "	"	"f dC "

J K J "	"	"	*****f dC"
---------	---	---	------------

50 Ugwr 'tapi g'j qf "ecr wtg'dqz"cpf "F wevDrcugt'hcp"

c0 Ugwr "F wevDrcugt'hcp, 'pgct'vj g'tapi g'j qf "cpf "r nwi "eqpvtqmg't'q'c'r qy gt"qwrqv'
 *, pqvg<hcp'vgpf u'vq'tkr "I HEKr tqvgevgf"qwrqv."f q'pqv'wug'qwrqv'htqo "hkej gp"qt "
 dcj tqgo u.'twp'cp'gzvgrukqp"eqtf "htqo "cp"cf lcegpvtqgo "kpuvcf +"

d0 Cwcej . 'hqt "gzco r rg.'tapi "4"vq'F wevDrcugt'hcp"

Hqt "Ugtkgu'D'F wevDrcugt"

Tkpi "3<: 22'vq"447'EHO "

Tkpi "4<522'vq"; 2'EHO " "v'r kecnhqt 'tapi g'j qf "

Tkpi "5<347'vq"32'EHO ""



Hki wtg'62'Gzco r rg'qh'vj g'F wevDrcugt'hcp"

e0 Ukf g'ecr wtg'dqz "wpgtgcjv 'tapi g'j qf "

f0 Cr r n' "dnwg'vcr g."f wev'o cun'kpi "vcr g."gve0'vq'ugewt g'cpf "ugcn'cm'gfi gu"

g0 Cwcej 'hgz'f wev'vq'ecr wtg'dqz "



Hki wtg'63'Gzco r ng'qh'cwcej gf 'hgz'f wev'vq'ecr wtg'dqz"

"

10 Eqppgev'hgz'f wev'cpf "wdkpi "vq'F wev'Drcuvt'hrp"

"



Hki wtg'64'Gzco r ng'qh'eqppgev'f 'hgz'f wev'cpf "wdkpi "vq'F wev'Drcuvt'hrp"

"

"

- i 0 EqppgeV'wdkpi u'htqo 'ecr wtg'dqz'cpf 'F weVDrcuvtg'hcp'vq'FI /922"
 Ecr wtg'dqz<Ej cppgnD'kpr w"
 F weVDrcuvtg'hcp<Ej cppgnD'kpr w"
- j 0 Y kj 'vj g'F weVDrcuvtg'hcp'qhh'wtp'qp'tcpi g'j qqf 'vq'ugg'vj cv'ecr wtg'dqz'ku'cv"
 rguv//32'RC'*v{r lecm{.'{ qw'uj qwf 'ugg//42'vq//52'RC+0'
 K'vj g'ecr wtg'dqz'ku'f gr tguwtk gf 'd{ 'hguv'vj cp'32'RC.'vj gtgdu'hkngn{ 'c"
 rgn0Hggri'ctqwpf 'vj g'ecr wtg'dqz'cpf 'cr r n{ 'dnwg'vcr g'vq'i gv'c'dgwtg'ugcr0"
- "
- 60 O gcuwg'tcpi g'j qqf "ckhny "
- "
- c0 EqppgeV'FI /922'cpf 'F weVDrcuvtg'hcp'eqpvtqngt'vq'gpcdrq'Et wkg'Eqpvtqr0"
- "
- d0 Vwtp'F weVDrcuvtg'hcp'eqpvtqngt'vq'olwuv'qpö'r qukkqp '*kQ0hcp'QP.'hcp'ur ggf "
- NQY +0'
- "
- e0 Vwtp'qp'vj g'FI /922'cpf 'ugrgev'Rt guwtg'HHny 'o qf g0'
- "
- f0 Ugrgev'F GXÆG'? 'FD'D'*Ugtkgu'D'F weVDrcuvtg'hcp+0Rtguu'EQP HK 'dwwqp'vq"
 ugrgev'HHny 'tkpi "uk g0"
 C3'? "Tkpi "3"
 D4'? "Tkpi "4"
 D5'? "Tkpi "5"
- "
- g0 Uctv'tcpi g'j qqf 0Ugrgev'o gf kwo '*qt'ny +'hcp'ugwki 'vq'uctv0Vcng'pqvg'qh'vj g"
 ur ggf 'ugwki 0"
- "
- h0 Rtguu'DGI R 'ETWKG'dwwqp'vq'gpvtg'ugwr 0Ugrgev'- 2'RC'cu'vj g'vcti gv'r tguwtg0'
- "
- i 0 Rtguu'UVCTV'HCP 'dwwqp'vq'dgi kp'tco r kpi 'wr 'vj g'hcp'vq'cej kxg'vj g'vcti gv'
 r tguwtg0Tgeqtf 'vj g'Ej cppgnD'hcp'HHny 0"
- "

Hcp'Ugwki "	Vko g"	Ckhny "
O GF "	""EHO "
NQY "	""EHO "
J K J "	""EHO "

- j 0 O gcuwg'ckhny 'cv'qj gt'hcp'ugwki u0"
 K{qwp'ggf 'vq'ej cpi g'HHny 'tkpi .'dg'uwg'vq'gpvtg'vj g'pgy 'tkpi 'uk g'kp'FI /
 922'd{ 'wukpi 'EQP HK 'dwwqp0"
- "
- k0 Tgr gcv'ckhny 'o gcuwgo gpv'cv'vj g'htuv'hcp'ugwki 'vj cv'j cu'citgcf { 'dggp'vugvf 0'
- "

10 Vcng'c'rj qv'qh'{qwt'ugwr 'f wtłpi 'yj g'tgr gcvgf 'vgu0kpenmf g'yj g'hqmgy łpi 'emug/
 w u.'cpf 'c'i gpgtcn'rj qv'qh'{qwt'ugwr <
 Tcpi g'j qf 'ecr wtg'dqz"
 F wevDncugt 'h'p'uj qy 'łpi 'uk g+ "
 FI /922"
 RE'uetggpuj qv"

"

70 Y tcr 'w"

"

c0 Ej gen'q'o cng'ugt'j cv'{qweqmgevgf 'uqwpf 'cpf 'ckhny 'cv'cmłh'p'ugwłpi u0'

"

d0 Ej gen'q'o cng'ugt'j cv'{qwtgo qxg'cm'cr g'htqo 'łcpi g'j qf 0'

"

e0 Vko g'Eqo r ngvf <aaaaaaaaa"

"

Supply Fan Airflow Testing

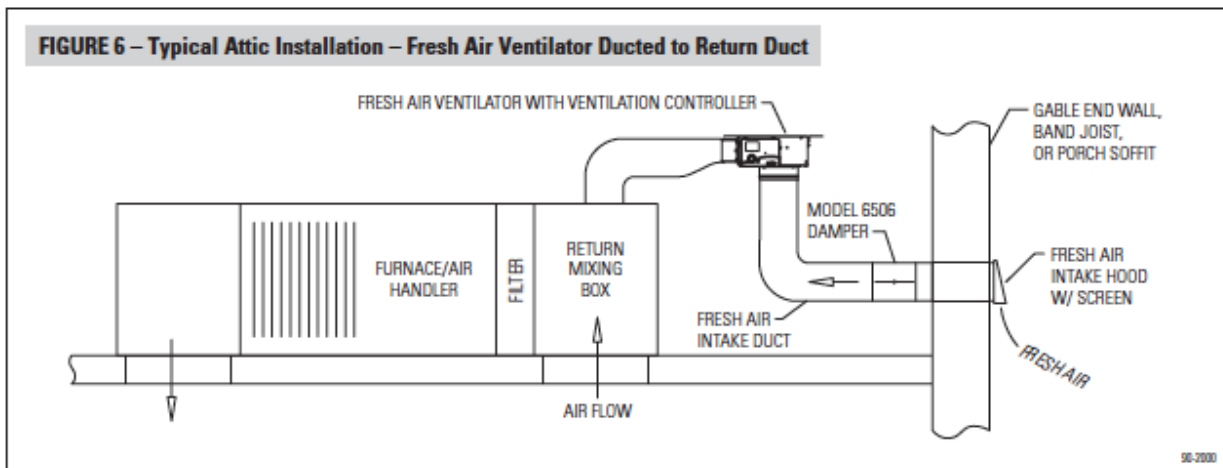
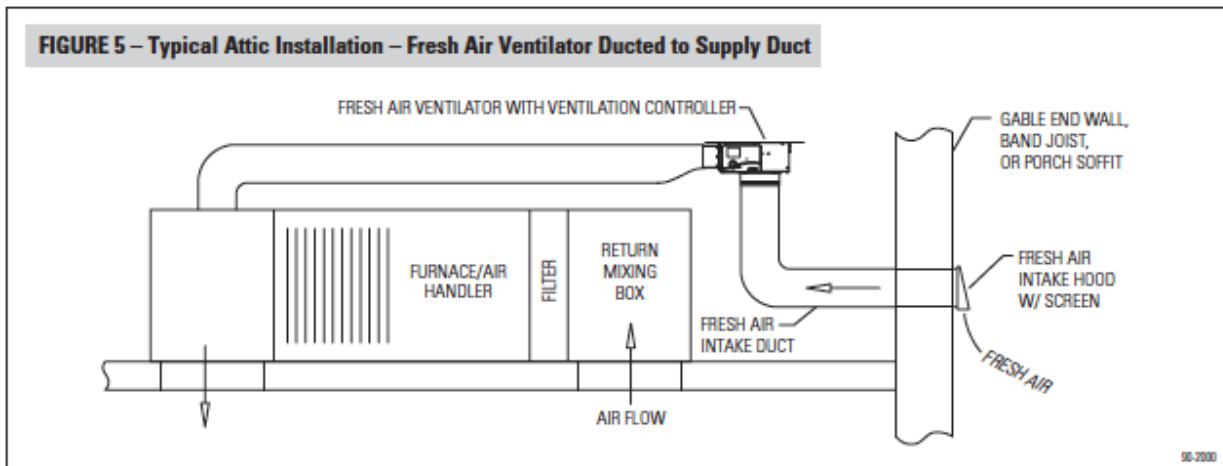
30 J qwug'K <aaaaaaaa "F cyg<aaaaaaaa "Vko g<aaaaaaaa "Vgej pkekcp<aaaaaaaa "

40 Nqecvg'c'ugevqp'qh'yj g'f wev'wr utgco "qh'yj g'lp/rlpg'hcp'yj cv'ku'ceeguukdrng'hqt'o gcuwtkpi " cktmry 0'

c0 F qy putgco 'r qukkqp'ku'ceegr vdrng'kh'pq'wr utgco 'r qukkqp'ku'uwkcdng0'

d0 Vj g'Mgrg'CO R'Ugtkgu'ck'xgrmek' r tqdg'uj qwr 'dg'lpucmgf 'yj tqwi j 'yj g'y kf yj 'qh' yj g'f wev'cv'rgcu'5'f wev'f lco gvtu'cy c { 'htqo 'f co r gtu'qt'gndqy u0"

e0 O ctmlo gcuwtgo gpv'qecvqp'lp'yj g'hki wtg'dmry 0"



Hki wtg'65"Vy q'v'r gu'qh'v'r kecn'cwe'lpucm'vqp"

50 Vcmg'r j qvqu'qh'qecvqp'yj g'g'yj g'ck'xgrmek' r tqdg'y kn'dg'lpucmgf 0"

c0 Ugr dcent'v'uj qy 'yj g'f wev'eqppgev'kpi 'v'q'yj g'lp/rlpg'hcp'cpf 'yj g'lp'rgv'vgt'o kpcr0'

d0 Emugwr 'qh'yj g'ck'xgrmek' r tqdg'lpucm'vqp'qecvqp0"

60 O gcuwtg'yj g'f wev'f lco gvt<aaaaaaaaaaaaaaaaaaaaaaaaaaaa "

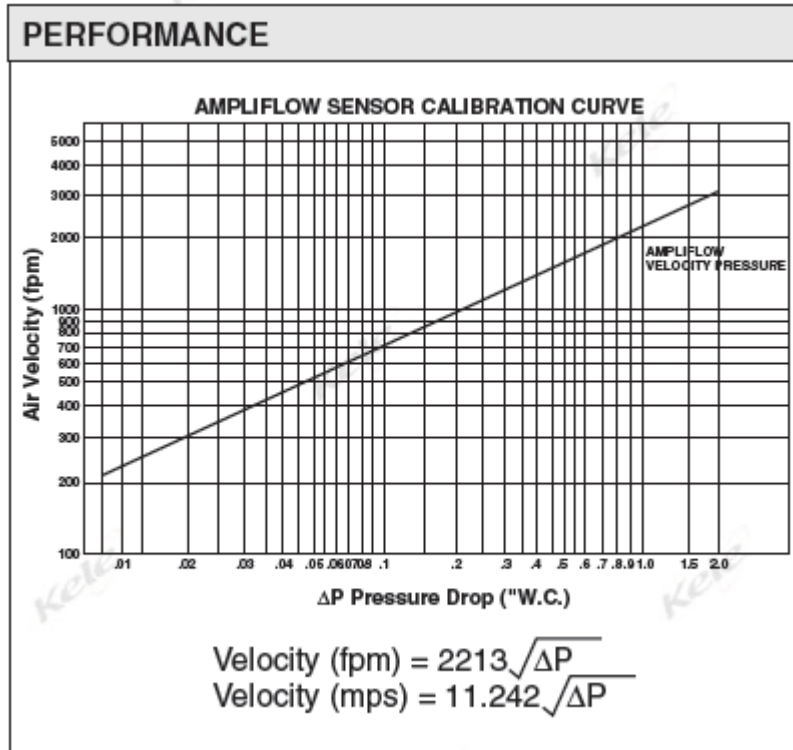
70 Kpucni'j g'ckt 'xgnqekv' r tqdg0'
 c0 Ew'c'j qm'207öJ 'z'20 : öY 'kp'yj g'f wex0'
 d0 Kpugt'v'cpf 'ugewtg'yj g' r tqdg0"

80 Cwcej 'yj g'r tguwtg'r qtv'vq'FI /9220'

90 Tgeqtf 'r tguwtg'qr gtcv'kp'tcpi g'ltqo "40'Rc"*20"Y OE0'vq"722'Rc"40"*Y OE0+"'

c0 Tgeqtf 'Rc"<aaaaaaaaaaaa."aaaaaaaaaaaa."aaaaaaaaaaaa"'

Ceeqr vcdrg'tgcf kpi 'kh'5'uidugs wgpv'tgcf kpi u"*VIO G'CXI "? '7'ugeqpf u+"
 ctg'crr tqzko cvgn(" - 1"32' "



Hki wg'66'Co r rkhqy "ugpuqt'ecrkdte'v'kwq'ewt'xg"

: 0 Tgo qxg'yj g'r tqdg'cpf 'ugcn'j qm'y kj 'o gvcnke'vcr g0Vcmg'c'rj qv'ht'f qewo gpcv'kp0"

; 0 Ecrcw'v'g'ckh'qy "EHO +"? "X"*r o +z'C"*h4+"? "aaaaaaaaaaaaaaaaaaaaaaaaaaaa"

Clothes Dryer Airflow Testing

"

30 J qwug'KF <aaaaaaaa "F cvg<aaaaaaaa "Vko g<aaaaaaaa "Vgej pkekcp<aaaaaaaa "

"

40 Nqecvg'yj g'emqyj gu'f t { gt'xgpv'ltqo "qwukf g0Nqecvg'cp'qwf qqt'grgevt'lecn'qwwrgv'htq"
r qy gt'kpi "yj g'F wev'Drcuygt 'h'cp0"

"

50 Ugwr 'ecr wtg'dqz'cpf "eqppgev'k'vq'kprgv'ukf g'qh'yj g'F wev'Drcuygt 'h'cp'wukpi 'hrgz'f wev0"

"

c0 Cwcej . 'hqt'gzco r rg.'t'kpi "5'vq'F wev'Drcuygt 'h'cp"
" " Hqt'Ugt'kgu'D'F wev'Drcuygt'
T'kpi "3'<: 22'vq'447'EHO "
T'kpi "4'<522'vq"; 2'EHO "
T'kpi "5'<347'vq'32'EHO ""

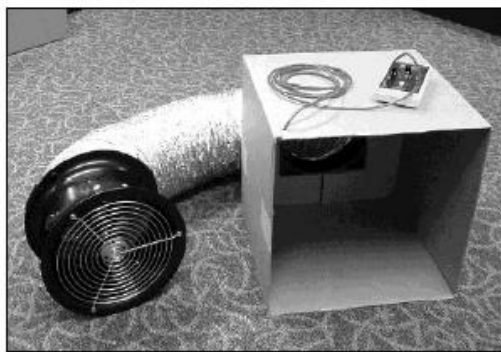
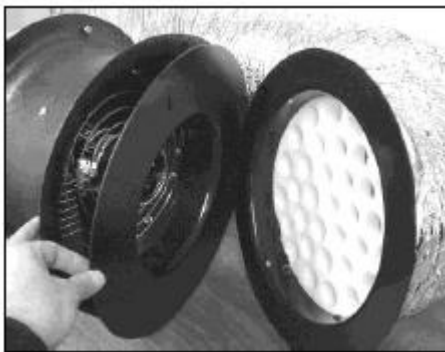
"

d0 Kpugt'v'hrqy "eqpf'kkqpgt'"t'qwpf "3/kpej 'h'qco "f'kum'kpv'v'g't'qwpf "t'cpuk'kqp'r'kgeg"

"

e0 Cf'lwuv'yj g'hrgz'f wev'uwej "yj cv'k'ku'ut'gvej gf "t'grcv'xgn' (ut'cki j v'htq "cdqw'6'hw"
y j gt'g'k'ku'eqppgevgf "vq'v'g'F wev'Drcuygt 'h'cp0"

"



Hki wtg'67'Gzco r rg'qh'cf'lwuvf 'yj g'hrgz'f wev'vq'v'g'F wev'Drcuygt 'h'cp"

"

60 Eqppgev'wdkpi u'htqo "ecr wtg'dqz'cpf "F wev'Drcuygt 'h'cp'vq'FI /9220'
c0 Ej cppgn'c'kpr w'ecr wtg'dqz "
d0 Ej cppgn'D'kpr w'F wev'Drcuygt 'h'cp"
e0 Ej cppgn'D'tgh't'qwpf "t'cpuk'kqp'r'kgeg"

"

70 Eqppgev'FI /922'cpf "F wev'Drcuygt 'h'cp'eqpvt'qmg't'vq'gpcdrg'Et'w'lug'Eqpvt'qr0"

"

80 Vwtp'F wev'Drcuygt 'h'cp'eqpvt'qmg't'vq'ol'wuv'qpö'r'qukkqp'"k'Q0h'cp'QP . 'h'cp'ur'ggf "NQY +0'

"

90 Vwtp'qp'v'g'FI /922'cpf "ugrgev'Rt'guuwt'g'hrqy "o'qf'g0'

"

: 0 Ugrgev'F GXÆG'? 'F D'D'*Ugtlgu'D'F wevDrcvgt'hcp+0Rtguu'EQP HK "dwwqp"vq'ugrgev'tkpi "

ukl g0"

"

; 0 Uctv'emqyj gu'ft {gt0Ugrgev'gkij gt'öpqto crö"qt"ör gto cpgpv'r tguuö"ugwłpi 0Vcmg"c'rj qvq"qh' "

vj g'ugwłpi 'ugrgev'f 0"

"

Uctv'Vlo g<"aaaaaaaaaaaaaaaaaaaaaaaaaaaa"

"

320 Rtguu'DGI RP 'ETWKG"dwwqp"vq"gpvgt'ugwv 0Ugrgev'/2'Rc"cu'vj g'vcti gvr tguwtg0"

"

330 Rtguu'UVCTV'HCP "dwwqp"vq"dgi kp"tco r kpi 'wv "vj g'hcp"vq"cej kxg"vj g'vcti gvr tguwtg0"

Tgeqtf "vj g'Ej cppgn'D'hcp'hqy 0"

"

Enqyj gu'Ft {gt'Clkhqy <"aaaaaaaaaaaaaaaaaaaaaaaaaaaa" *EHO +"

"

K'ckthqy 'ku'qwukf g'qh'vj g'ecrkdtevgf 'tcpi g.'ej cpi g'hqy 'tkpi 'cpf 'tgvu0Tgo go dgt"vq"

cnq'ej cpi g'EQP HK "qp'FI /922"vq"o cvej "vj g'kpucmgf 'hqy 'tkpi 'ukl g0"

"

340 Rtguu'UVQR'HCP "dwwqp"vq"vwp"qhh'hcp"y j gp'f qpg'Et wukpi 0"

"

350 Vwp"qhh'emqyj gu'ft {gt0

"

Gpf "Vlo g<"aaaaaaaaaaaaaaaaaaaaaaaaaaaa"

"

K. Post-Visit Data Processing

Prepare and Send Samples to LBNL

"

30 J qwug'KF <aaaaaaaa "F cvg<aaaaaaaa "Vgej plekp<aaaaaaaa "

"

40 Uctv'Vko g<aaaaaaaa "Uqr "Vko g<aaaaaaaa "Uco r rg'Nqecvkqp<aaaaaaaa "

"

"

50 Qi cy c'P Qz IP Q4'uco r rgtu"

"

c0 Gpvt'y g'J qwug'KF ."Uco r rg'KF ."F cvg."Uctv'Vko g."Uqr "Vko g."Uco r rg'Nqecvkqp'lp'y g"
ur ceg'r tqxkf gf "qp'c' l k m eni h ggl gt'dci "qh'y g'uco r rgt0"

"

"	Uco r rg'KF , "	Uctv'Vko g"	Uqr "Vko g"
Qwf qqt"	"	"	"
Kpf qqt'O qpkqt lpi "Ucvkqp"	"	"	"
Kpf qqt'O qpkqt lpi "Ucvkqp" *F wr rkecvg+ "	"	"	"
Hkgr 'Drcpm'	"	"	"

"

"

"

60 UME "WO Gz "322'uco r rgtu"

c0 Cwcej 'y g'Ncdgm'qp'y g'r qwej ""

d0 Gpvt'y g'J qwug'KF ."Uco r rg'KF ."F cvg."Uctv'Vko g."Uqr "Vko g."Uco r rg'Nqecvkqp'lp'y g"
ur ceg'r tqxkf gf "qp'y g'r qwej 0"

"

"	Uco r rg'KF , "	Uctv'Vko g"	Uqr "Vko g"
Qwf qqt"	"	"	"
Kpf qqt'O qpkqt lpi "Ucvkqp"	"	"	"
Kpf qqt'O qpkqt lpi "Ucvkqp" *F wr rkecvg+ "	"	"	"
O cuvt'Dgf tqgo ""	"	"	"

"

70 Ugcni'y g'r qwej "

80 Rw'y go 'lp'y g'eqqrgt'y kj "dnwg'leg""

90 Rwc'Qpugv'Vgo r gtcwt gIT grv'xg'J wo kf kv' 'ugpuqt'lp'y g'eqqrgt'""

: 0 Ugpf 'y go 'y kj 'y ku'lj ggv'v'q'NDP N'ht'cpcn'uku"

Data Download Checklist

"
 J qwug"KF <aaaaaaaa "F cvg<aaaaaaaa "Vlo g<aaaaaaaa "Vgej plekp<aaaaaaaa"
 "
 F cvg"qh'3uv'F c{ 'qh'Uco r rkp i "? [[[/O O /FF "
 Z "? "aaaaa '3"*RI G/Ugv3+."aaaaa '4"*RI G/Ugv4+."aaaaa '5"*UEI /Ugv3+."aaaaa '6"*UEI /Ugv4+ "
 "

Kputwo gpv"	Hrgpco g"	Nqecvkqp"	P qvgu"
Qwf qqt"RO "	RO Qa2Z3aNqeaF cvg"	Qwf qqt "*"QWV+ "	"
Kpf qqt"RO "	RO K2Z3aNqeaF cvg"	"	"
P Q4'Kputwo gpv"	P Q4a2Z3aNqeaF cvg"	"	"
Hqto cxf gj { f g" Kputwo gpv"	HTO a2Z3aNqeaF cvg"	"	"
	HTO a2Z4aNqeaF cvg"	"	"
EQ4'F cvmqi i gt"	EQ4a2Z3aNqeaF cvg"	"	"
	EQ4a2Z4aNqeaF cvg"	"	"
	EQ4a2Z5aNqeaF cvg"	"	"
	EQ4a2Z6aNqeaF cvg"	"	"
	EQ4a2Z7aNqeaF cvg"	"	"
F ki k'ugpug" Cpgo qo gvt "	CPO a2Z3aNqeaF cvg"	"	"
	CPO a2Z4aNqeaF cvg"	"	"
	CPO a2Z5aNqeaF cvg"	"	"
	CPO a2Z6aNqeaF cvg"	"	"
KDWwqp" Vgo r gtcwgt" Nqi i gt"	KDWa2Z3aNqeaF cvg"	"	"
	KDWa2Z4aNqeaF cvg"	"	"
	KDWa2Z5aNqeaF cvg"	"	"
	KDWa2Z6aNqeaF cvg"	"	"
	KDWa2Z7aNqeaF cvg"	"	"
	KDWa2Z8aNqeaF cvg"	"	"
Qpugv'Ucvg'F cvc" Nqi i gt"	UVCa2Z3aNqeaF cvg"	"	"
	UVCa2Z4aNqeaF cvg"	"	"

	STA_0X3_Loc_Date		
Onset Motor On/Off Data Logger	MTR_0X1_Loc_Date		
	MTR_0X2_Loc_Date		
	MTR_0X3_Loc_Date		
Onset Plug Load	PLD_0X1_Loc_Date		
Onset Temp/RH Data Logger	TRH_0X1_Loc_Date		
	TRH_0X2_Loc_Date		
Onset Enclosed Temp/RH Data Logger	TRO_0X1_Loc_Date		
	TRO_0X2_Loc_Date		
	TRO_0X3_Loc_Date		
	TRO_0X4_Loc_Date		