1-19-17

Brian - Whidbey Isl

(b) (6) [redacted]

Noise - he wrote env. noise
laws - WEAN

6-10 dB higher
local montg
calc an annual DNL

Navy: history of + or - NEPA docs?
Nature

Issaquah noise consultant
chose pts in contour
- got data
- overnight -
x annualize data
DNL - for site

- he used to do airport noise
montg

Eb: Navy groundtruthed their modelg?

DNL Metric - peer reviewed
- doesn't wk v. well for
airport noise

Aircraft -
Hwys
RR

} DNL curves
Δ depends on
what type of noise

most/all commentators
- if remove all other
noise -
DNL - is too low
= a curve matches
DNL level w/ #
annoyed people

pt = way too low cuz
aircraft noise is more
annoyg than other forms.

only FAA & DOD are usg
this std - rejected by
others

x
Y

Schultz curve -
DNL x
Y
% annoyed

makes noise like good v
underestimating the noise
by an order of magnitude.

DNL - Europe doesn't like it
24 hrs + 10 pt night penalty
- also need penalty when:
- dinner time
- trying to fall asleep
- when causes things in
house to resonate of thing in
use
- gravelers do this

Navy excuse: - people knew it's noisy
when they located there
but - is it fair for NAS
to make it 2x as
noisy?

Levels of Env Noise
& Welfare Effects

not ok to make a lge pop
miserable w/ noise -
policy - that 10% ok to be
They are understg that miserable

nonauditory effects -
cause & effect is hard to
prove.

WDFW Ruth Milner
2-10-17

glaring:

whales - Ch. 4 no disc.
is lit Sarp theyre
affected by noise

- "habituate" - only all conclusion
- not a safe assumption

Doug & Paul will write

-

need a defn of "fitness"
= ability to reprod. egg

(!) BLM - asked WDFW to comment.
SJ monuments - prohibits
BLM commenting on
mil. ops.

Pil Chuck & Whidbey
Audubon

Serious concerns for HH
v the envmt because:
- no alts acceptable:
- baseline condns are ...
- air ops: no indicatn what the threshold for # air ops may be.
- the prop actn would ↑
- ↑ 65 dB contours

- DEIS indicates:
  - hearing loss
  - interference w/ speech, learning & sleep

- lack of info & disclosure:
  - no onsite montg
  - dismissal of hrg loss & non-auditory H. effects
  - WL - dismissal of effects - habituation
  - no discussion of noise condns for residents w/in ≥ 75 contours

we are also conc. that - non-aud HH! - WL habit!

- no acceptable alts

- no mitigatn

- AICUZ/local process ineffective, outdated

- no APZs for Coupeville

- Mil Tg & Tg has expanded beyond bases to encompass entire west & AK; sens. areas

- segmented NEPA processes

- a dilemma - we ack. & apprec. the needs of mission

- costs of duplicatg

- however 3 bases → 2 for Growlers - what were other 2? may have been good then, but expansion not foreseen - may need to re-visit cost of all 3 bases

It's not a NASWI prob., it is a natl. issue that needs to be raised to the A. people.

Modern Mil. T&T

The escalation of mil. tactical technology & sophistication is approaching "star wars"
Mil. activi T&T no longer confined to bases.

Cannot proceed w/
- no mit.
- no indication of a firm plan other than revisit AICUZ (ineffective)

Growler DEIS

Joanne Snarski, WA DoPH

per community request
- noise

Cs to OD → compiled →
Gov's Ofc for review

prob sim. or identical
Cs to Navy

Cs:
NOISEMAP model est.
validation of " using
actual measurement
& updated for
recent

1980 — last update

data selected for use
frustrated w/
non-auditory health effect

need compass lit
review

cause & effect
relationship
- do not req.
prior to health
outcome model

data screen -
signing & definition
Causal (No!)
not realistic

Recommend:

Noise beyond air crap
conduct HIA
to better eval
h. impact to
community

readability of docmt
- organizational
- new language to interpret
- Ph.D. toxicologist
  - felt v. handicapped
  - did great job
highlighting deficiencies
from sci p. health perspective

- seems biased
- not current
- use real data

Ted Bowen - Admiral Davidson

PhD toxicologist Koenradd Marien
360/236-3175

Epidemiologist →

local citizen grp filed
formal complaint
public Health Ofcr
- dereliction of public
duty -

St. Bd of Health makes
assessment

req'd lit. review
of staff - refine scope
for

1000's literature -
on noise & h. effects

Koenradd Marien
360-236-3175

('Koenrad') 3 themes:

(1) least imp: 3rd hire a prof. editor
need sum. & appendix
not bk & forth

night mare
not well organized

② Quick to discard the observational data of noise pressure in Sunny area
Ch. 1 - 1/2 pg
(C-wtd)

used only A-wtd data

Only NPK data - dismissed

costly to validate model

based on exposure scenarios - annoyance
sleep
learning

need to show w/ data - deter an observed - to show model was predictive.

87% people ↑ x sd press not annoyed
65dB - 13% pop
discarded - pls explain

Ruth Milner - SJ + Island Co.

Doug Thompson
WDFW

Ef: (b) (6) [redacted] Whidbey
call

1-18-17
• Brian (b) (6) [redacted]
re: NASWI noise

Marie Jennings - call her Th
DW (x1893)
M, T - meet to discuss her idea

Elizabeth Allen (x1807)

mtg/conf call w/
D. Einan on → 509/376-3883
M or T ?

how address in model?
discarded?

Show model was predictive

WPH: lkd only @
(3) health effects
Ch 1, 3, 4, App F (short)
App A (to p. ~250)

Model - efforts to define their
exposure metrics - easiest
to deal w/:
- annoyance
- effects
- speech
- hearing impmt
- sleep

w/ DNL

indirect meas: SEL - perf & noise
effects on children
- cognitive impact
- hearing interference
- excluded nonauditory health effects

Blew off:
1) [illegible]
2) cognitive CH impact

145 ?
p. 155 =

non-aud H. effects
biased – chose 12-14
studies – no criteria
for inclusion / exclusion

used v. hi std to escape it
no studies show definitive
cause – no cause effect data

biased
didn't cover subj matter
bar set so hi – unattainable

convene a panel of experts
→ in a position
know their field
– which studies to
include
in model – any nonauditory h
effects that should be

Doug.Thompson@dfw.wa.gov
left msg 1-12-17 · 360/466-4345 x251

(b) (6) [redacted]

Ctr for Whale Research
ken@whaleresearch.com

wean@whidbey.net

(b) (6) [redacted] (b) (6) [redacted]

- Noise
- Not addressing - PFOAs contamination @ TxG ldgs, x@ Ault F where fire fighting foam used

↑g flights i.e. ↑ risk of crash
∴ foams use

Ebey's Reserve

WHO, 2006 -
burden of disease -
algorithm
lk for cardiovasc.
disease not hi $
cost
to do.

he did one:
CV disease + mercury
- EPA paid for
done in 6-7 mos.

Work of Strong model
prediction of area

Area -
Show why shouldn't be in
model

ratio values

other ways to eval.
risk.
1988 - Cohen paper

strong assoc. tel ratio
> 9.

Betw
obesity × —
> 3

odds ratio – asthma next to
fury

an applicable result
that needs to be considered.

biased exports – defing bar
1st × then strong it can't
be met.

citations for updating noise
model

1992
Ch 2 or 4

He Kd D
Ch 7
not:
5, 6, 8, 9,
App 5

sleep disturb
annoy

→ nonaudit ory h. effects
– lots recent lit.
in last 10 yrs.

P+N? Ch 1

Sci → policy

1 pg ltr to Gov

1st 2 items went
~~0~~ on writg

kept main themes

→ understd model's
predictive
behavior

→ - nonaudit h. effects

P/S say → How feel doc - hd to read
digest

Modellg - v. protective wk
87% indoors
recreatn - based
endpt on condn out, they
24 hrs/day for life

± protective measures

windows open / closed

outcome based on

13% annoyed – assumes outside all the time

65 – 70

70 – 75 pressure

12,000 pop exposed

No Oak H vs. Coupeville

Ch. 3? 4?

Table 3.22

p. 3-29

Table – noise press levels, # people v acres impacted

ekg @
end sample sizes

& said re: their view of
public h. effects
sd pressure - knowledge

grant - 2005 - 2010 - knew
people here - EPA
pushing paper

K. Marien 360/236-3175