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10/5/06 Meeting @ Concord, PSNH Bldg

* Normandeau - Presentation

Mark Mattson - ^{Normandeau} Status update -

• Thermal studies - conducted - have not seen yet

• PSNH (total) provides electricity to 475,000 customers.

• Merrimack Station produces ^E for 190,000 customers.

↳ biggest in NH. - Bore. biggest power plant.

Unit 160 - online
Unit 68 " " } best generation in 2004. ^{2nd 6 years.}

* no difference from in discharge from 1968 → now.

Thermal study

RIS - 1983 → TAE - 1215

72-76, 94-95, 2004-05 - verifiable data set

↳ no sampling in 80s.

* data suggests pine fills replace pumplein trees.

* 4 weeks down - typically in spring.

Unit 1 off line in fall for 4 weeks

4
10
2
4
21
1
1
6
2
1
1

53 10 trans OPE 5.3

American shad. - Adult shad. or
alewives. // has spawned in pool

Dave Simpson

Sept 7 too early to observed migration in Hooksett

→

spawned in pool.



Thermal environment (new info being presented)

pool is primarily runoff-river. - not actively managed - usually.

N-5 not part of compliance monitoring - [S-4] - not studied

"A-0" - Amoskeeg pool (Hooksett tail race) - well-mixed.

Surface temp.

[S-0, S-4, A-0]

Predictability of T at downstream stations

linear regression

* They believe A-0 most reliable - S-4, S-0 less reliable
well-mixed.

impact on the plant from proposed limits.

T data collected as hydro releasing ↔ [downstream]

Proposed Alternatives. - status quota.

* Max T @ A-0 92°F daily average.

1 May - 31 Oct 86°F for rest of year.

* Waiver provision, due to emergency conditions

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If to be
measured at
S-O

@ 105°F max summer
80°F rest of year.

10/10/

Unit 2 would have to be shut down, to
make a difference.

29
27 years

Impairment sampling results 2006
2,741 Unit I & II

assuming - Calc about 40% survival

→

+ + December highest.
+ few weeks +
+ + +

~~Notes~~ nervous of white paper.

Comments - include specimen for RIS