



NRC Public Meeting Erwin, TN

October 29, 2009

Agenda

6:00 pm	Opening Remarks	Gene Cobey, RII Chip Cameron, Facilitator
6:10 pm	Radioactive Effluents Technetium-99 Environmental Assessments	Mary Thomas, RII Manuel Crespo, RII Kevin Ramsey, NMSS
7:30 pm	Open Question & Answer Period	NRC Staff
8:00 pm	Closing Remarks Meeting Adjourned	Gene Cobey, RII



Effluents and the Environment

October 29, 2009

Effluent Regulations

- What is the public dose limit ?
- Which agencies have regulatory authority over effluents?
- How does NFS show compliance with the public dose limit?

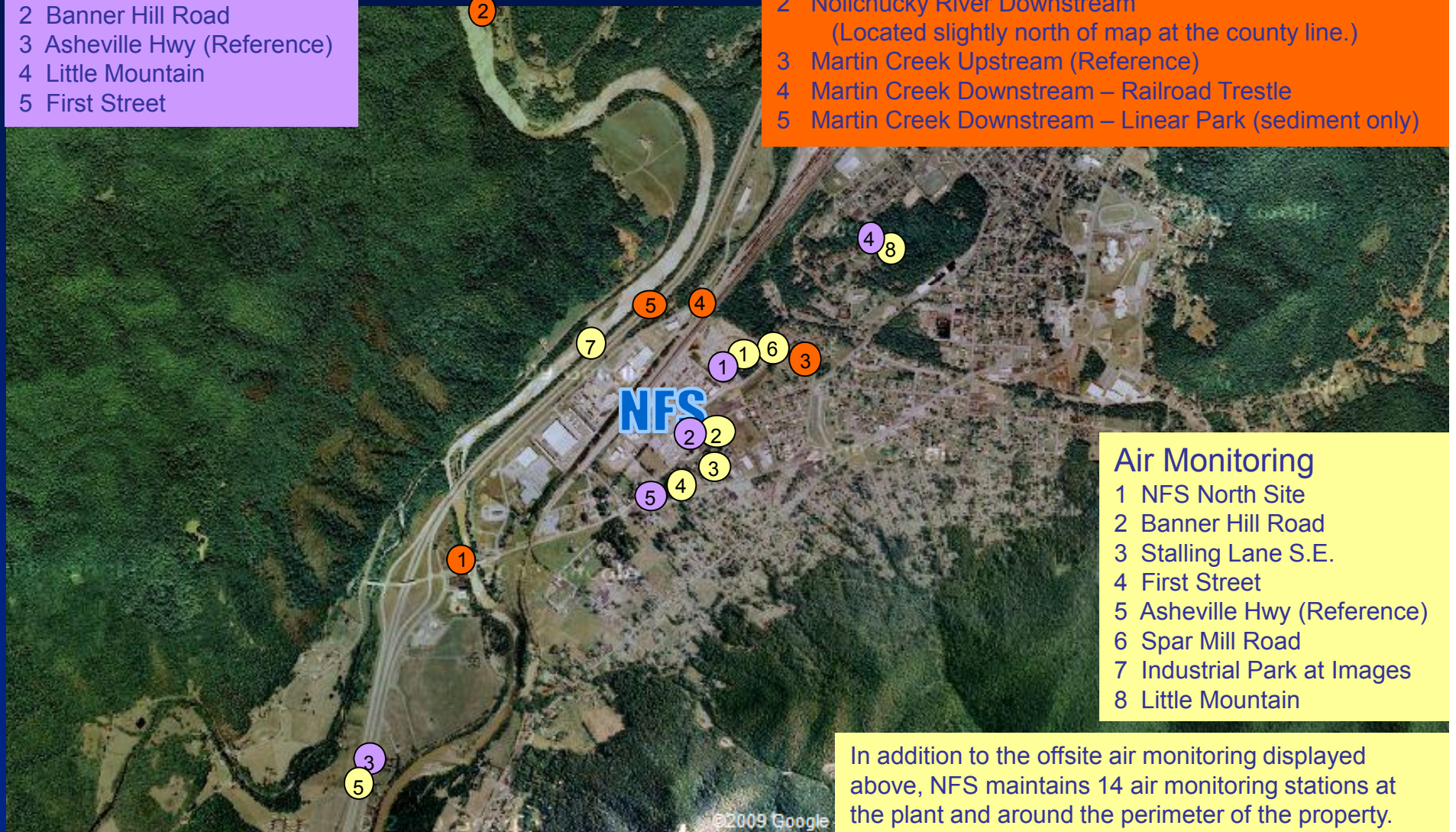
Offsite Environmental Monitoring

Soil and Vegetation

- 1 NFS North Site
- 2 Banner Hill Road
- 3 Asheville Hwy (Reference)
- 4 Little Mountain
- 5 First Street

Surface Water and Sediment

- 1 Nolichucky River Upstream (Reference)
- 2 Nolichucky River Downstream
(Located slightly north of map at the county line.)
- 3 Martin Creek Upstream (Reference)
- 4 Martin Creek Downstream – Railroad Trestle
- 5 Martin Creek Downstream – Linear Park (sediment only)



Air Monitoring

- 1 NFS North Site
- 2 Banner Hill Road
- 3 Stalling Lane S.E.
- 4 First Street
- 5 Asheville Hwy (Reference)
- 6 Spar Mill Road
- 7 Industrial Park at Images
- 8 Little Mountain

In addition to the offsite air monitoring displayed above, NFS maintains 14 air monitoring stations at the plant and around the perimeter of the property.

NFS Outfalls

- 1) Waste Water Treatment Facility (WWTF) outfall to Nolichucky River
- 2) Main storm water drainage outfall to Martin Creek
- 3) Re-routed Banner Spring Branch and other storm water drainage outfall to Martin Creek
- 4) Location of inactive outfall before it was removed during clean up



Effluent and Environmental Monitoring

- Where is the information gathered from the effluent monitoring published?
- Who reviews the effluent and environmental monitoring information?



Technetium-99

October 29, 2009

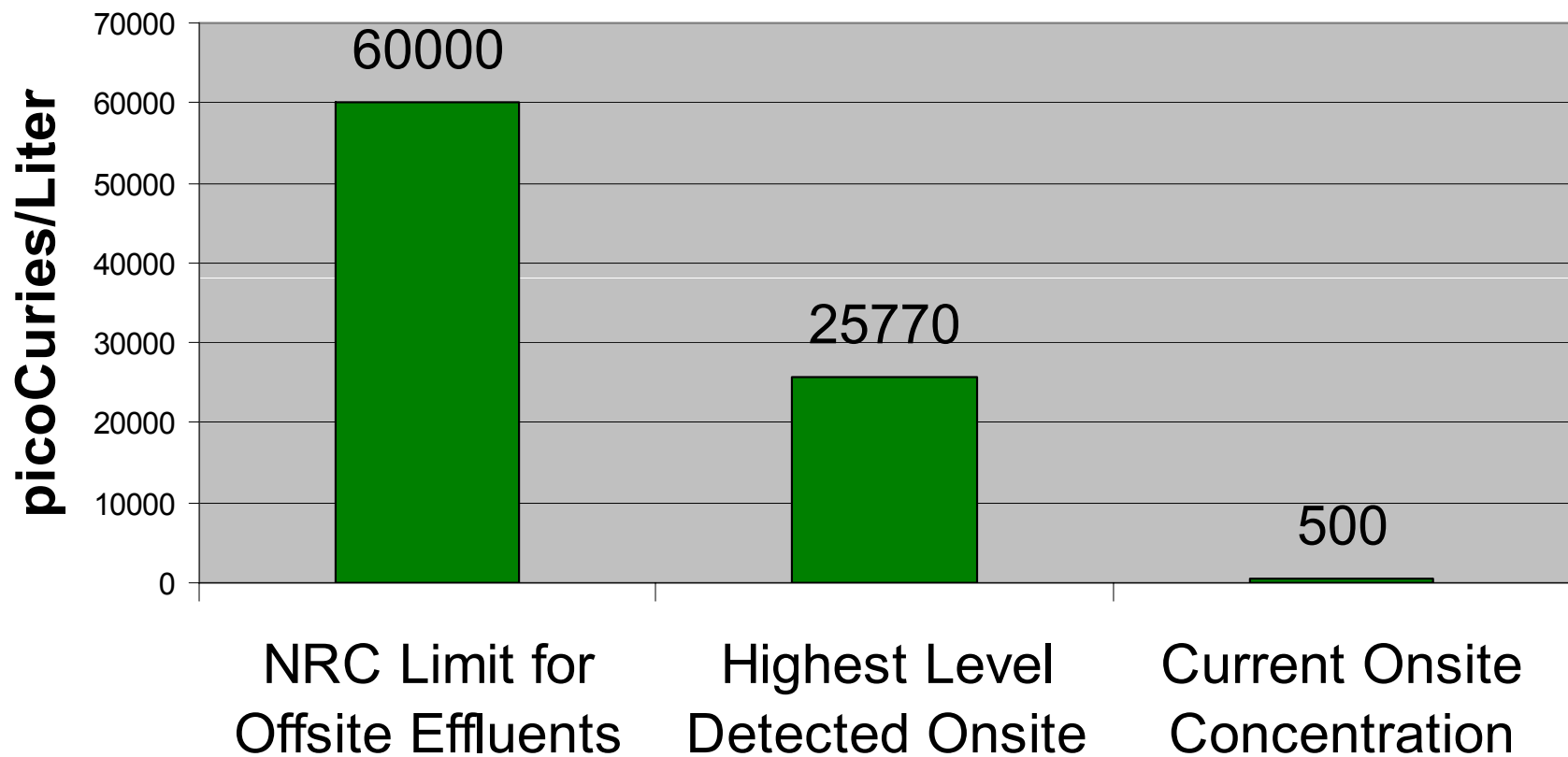
History

- What is technetium-99?
- Did NFS operate a nuclear reactor? No.
- So, how did NFS get the technetium-99?
- How did the technetium-99 get into the ground?

Detection and Actions

- How did NFS detect the leak?
- What did NFS do about the technetium-99 in the onsite groundwater?

Technetium-99



Current Status

- What is the status of technetium-99 in the onsite groundwater?



Environmental Review of NFS License Renewal

October 29, 2009

Current review of NFS license renewal

- Ongoing
- Public may request a hearing. Deadline is December 7, 2009.
- NRC regulation allows public comments on draft EA in certain cases.
- NRC has decided that draft EA for NFS license renewal will be issued for public comment (estimate May 2010).

History of Environmental Reviews

- 1957 – First license authorizing operations at NFS.
- 1970 – National Environmental Policy Act (NEPA) signed into law.
- 1978 – CEQ regulations issued.
- 1984 – NRC regulations issued.

Federal agencies must ask a question

- Are environmental impacts of a Federal action likely to be significant?
- There are three possible answers:
 - No.
 - Uncertain.
 - Yes.

How did NRC implement NEPA for fuel facilities?

- A new fuel facility requires an EIS.
(Impacts likely to be significant.)
- In 1984, several fuel facilities already existed (including NFS).
 - Impacts of authorizing an existing facility to continue operation are uncertain.
 - Therefore, an EA is performed when license renewal is requested.
 - If significant impact identified, an EIS will be prepared.
 - Otherwise, a finding of no significant impact (FONSI) is issued.

What does significant mean?

- “Significantly” defined in 40 CFR 1508.27.
- Federal agency must make judgment.
- Must consider impacts in several contexts.
- Must consider intensity of impacts.

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Question and Answers?

Contact Information

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|------------------------------|--------------|--------------|
| •Sr. Resident Inspector: | Steve Burris | 423-735-0544 |
| •Resident Inspector: | Galen Smith | 423-735-0644 |
| •Sr. Public Affairs Officer: | Roger Hannah | 404-562-4417 |
| •Public Affairs Officer: | Joey Ledford | 404-562-4416 |

Website: www.NRC.gov

Closing Remarks