Industry Indicator – Group Discussion
Ground Water Protection

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Environmental

Station Level

CDE Consolidated Data Entry

Main Menu ▸ Unit Performance ▸ Data Entry

ANO Unit 1 | ANO Unit 2

Station: ANO

Time Period: Dec 2012

- Generation
- Generation Occurrences
- Mitigating Systems
- WANO Safety System Performance
- Chemistry
- Chemistry Pilot
- **Environmental**
- Fuel Performance
- Operations
- Radiological Protection
- Work Management
- Rework Occurrences
- Equipment Reliability
- Industrial Safety
- Industrial Safety Occurrences
- Physical Protection
- Emergency Preparedness
- Training
- Staffing

	Value	Status
Highest concentration (pCi/l)		Not Final
Active Tritium Leak		Not Final
Number of Monitoring Wells		Not Final

QA.

Environmental

Scope

The data elements listed below provide data for the following performance indicators:

- INPO Performance Indicator – Highest Tritium Concentration in Ground Wells
- INPO Performance Indicator – Active Tritium Leak
- INPO Performance Indicator – Number of Tritium Monitored Wells

Clarifying Notes

Value should be entered each month for the last sample taken i.e. if quarterly sampling is performed in February and May, the February value will be entered in February, March and April

DATA ELEMENTS TO BE REPORTED

Highest concentration in the groundwater wells (pCi/l)	Highest concentration of Tritium in the groundwater wells at the station for the month, reported in pCi/l. If this value is Minimum detectable activity (MDA), or lower limit of detection (LLD), these limits should be entered not zero.
Active Tritium Leak	. Yes/No has Tritium been identified in observation wells at the station.
Number of Monitoring Wells	Number of wells at the station which are actively being used for Tritium sampling.

INPO

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One Possible Alternative

	Month-Year	Definition/Explanation
Ground water monitoring well tritium (pCI/l)		Highest concentration of ^{3}H in a ground water monitoring well during the month. Note: report only wells ≥2000 pCi/l. This concentration is 10% of NEI 07-07 communication threshold and minimizes potential inconsistencies for communication of ^{3}H resulting from recapture or rainout
Number of ground water monitoring wells per unit		Normalizing the number of groundwater monitoring wells on a per unit basis facilitates comparison and provides perspective on the extent of the monitoring well network at each site
NEI 07-07 voluntary communications		Document any NEI 07-07 voluntary communication made during the month. Provide date of communication and brief explanation of the event
Comments		Use the comments section to provide context for the reported data and to describe leaks/spills that occurred or were detected during the month that did not trigger the NEI 07-07 voluntary communication threshold.

Other Possibilities

- Number of monitoring wells
- Frequency of sampling
  - Sentinel wells
  - Perimeter wells
  - Data/Event-adjusted frequency
- Analytical data review
  - Frequency of review
  - Data management process
  - Data analysis using sample results and ground water elevations
- Is licensed material being detected in on-site ground water?
- Extent of contamination
  - On-site plume defined?
  - Off-site plume identified?
- Source of unintended release identified
- Unintended release terminated
- Tritium concentration
- Proximity to receptor
- Remediation status
- Stakeholder interactions

Your Thoughts