

North Carolina Split Sample Results

Date	HEEC BD- MW1	NC BD- MW1	HEEC BD- MW2	NC BD- MW2	HEEC BD- MW3	NC BD- MW3	HEEC BD- MW5	NC BD- MW5	HEEC BD- MW6	NC BD- MW6	HEEC BD- MW8	NC BD- MW8
5/14/2009	<232	334 ± 165	513 ± 146	671 ± 170	994 ± 151	1003 ± 173	1100 ± 151	1342 ± 178	1580 ± 156	1681 ± 182	<233	334 ± 165

Cooling Tower Blowdown Wells  
H-3 Concentration (pCi/L)

	BD-MW1	BD-MW2	BD-MW3	BD-MW5	BD-MW6	BD-MW7	BD-MW8	BD-MW9
1/23/2009	<243	787	533	dry	dry			
2/6/2009				1500	2450			
3/4/2009	372	373	1060	1260	1450	<234	<232	<232
3/30/2009	371							
4/8/2009		456	1010	1430	1220	294	275	<232
5/14/2009	<232	513 ± 146	994 ± 151	1100 ± 151	1580 ± 156	Unable to sample	<233	Unable to sample
6/9/2009								

## Cooling Tower Blowdown Wells

Gamma

*Note: Analyzed to Environmental Lower Limit of Detection*

	BD-MW1	BD-MW2	BD-MW3	BD-MW5	BD-MW6	BD-MW7	BD-MW8	BD-MW9
1/23/2009				dry	dry			
2/6/2009								
3/4/2009								
4/8/2009		<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
5/14/2009	<LLD	<LLD	<LLD	<LLD	<LLD	NCR	<LLD	

**TABLE 1**  
**MONITORING WELL LOCATION/RATIONALE**  
**GROUNDWATER ASSESSMENT**  
**SHEARON HARRIS NUCLEAR POWER PLANT**  
**NEW HILL, NORTH CAROLINA**

<b>MONITORING WELL ID</b>	<b>LOCATION/RATIONALE</b>
TW-1	Approximately 100 feet south (downstream) from ARS#1. This is a location where the pipeline is above the normal water table and will be used to evaluate potential leaks upstream. The pipeline was not visually inspected in this area.
TW-2	Approximately 200 feet north (upstream) of APM#1. This is a location where the pipeline is above the normal water table and is the location where the WEKO SEAL repair was performed. This point will be used to determine water quality at the location of the identified leak.
TW-3	Approximately 50 feet south (downstream) from ARS#4. This is a location where the pipeline is above the normal water table and will be used to evaluate potential leaks upstream. The pipeline was not visually inspected in this area.
TW-4	Approximately 50 feet north (upstream) from ARS#5. This is a location where the pipeline is above the normal water table and will be used to evaluate potential leaks upstream. The pipeline was not visually inspected in this area.
TW-5	Approximately 1800 feet south (downstream) of Drop Structure A. This is a location where the pipeline is above the normal water table and will be used to determine water quality at the location of the identified leak.
TW-6	Approximately 50 feet north (upstream) from Drop Structure B. This is a location where the pipeline is above the normal water table and will be used to determine water quality at the location of the identified leak.
BDL-MW10	Adjacent to ARS#1 to monitor groundwater quality at this portion of the pipeline. Note: This monitoring well location may be moved farther north to better evaluate the portion of the pipeline north of ARS#1 that was not visually inspected.