

**Quarterly Remedial Action
Progress Report, Fourth Quarter
2008 PSEG Nuclear, LLC, Salem
Generating Station**

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**QUARTERLY REMEDIAL ACTION PROGRESS REPORT, FOURTH QUARTER 2008
PSEG NUCLEAR, LLC, SALEM GENERATING STATION**

Dear Ms. Tuccillo:

PSEG Nuclear LLC (PSEG) has prepared this Quarterly Remedial Action Progress Report (RAPR) summarizing groundwater remediation activities performed during 2008 at the PSEG Nuclear, LLC, Salem Generating Station (Station). The Station is located on Artificial Island in Hancock's Bridge, Salem County, New Jersey. Groundwater remediation activities are being conducted to address tritium detected in shallow groundwater adjacent to and south of the Salem Unit 1 Reactor Containment and Fuel Handling Building. The Station site plan is depicted on **Figure 1** and **Figure 2** presents a detailed view of the area undergoing active remediation.

The release of tritium contaminated water to the environment ceased in February 2003 when the Salem Unit 1 telltale drains were cleared and the Spent Fuel Pool (SFP) water that had accumulated behind the liner was drained. Routine maintenance of the spent fuel pool (SFP) telltale drains has precluded further flow restrictions in those drains. The installed seismic gap drains continue to provide a hydraulic gradient into the building and to the waste treatment systems, and away from the environment. The Groundwater Recovery System continues to control the flow of shallow groundwater in the shallow unconsolidated zone maintaining the plume to the on-site area while removing the remaining tritiated groundwater.

The monitoring program provides data to support the adaptive management program and analyze the efficiency of the program. Short-lived gamma-emitting radioisotopes have not been detected and tritium concentrations have continued to decline in groundwater samples, indicating that current activities meets the objectives of the program as provided in the RAWP.

TEAS
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The annual recalculation of the mass of tritium remaining in the plume produced an estimate of less than 1 Curie of tritium remaining in the plume where it exists above the NJDEP Ground Water Quality Criteria (NJGWQC). The mass is estimated based upon a number of factors including: the amount of tritium drawn back through the seismic gap by gap draining activities, the actual degree of variability in the tritium concentrations of the groundwater, and the amount of mass held in dead end pore space. Additionally, the existing monitoring network was designed to monitor a much more extensive plume; therefore the great reductions in plume mass achieved to date has resulted in the present situation where only a few wells indicate concentrations above the NJGWQC.

The following sections present the background of environmental investigation and remedial action at the site, the details and results of activities conducted since the recent submittal of the 3rd Quarter 2008 RAPR, and provide a discussion of upcoming activities projected for the next reporting period.

1 Project Background

In April 2004, a Remedial Investigation Report (RIR) was submitted to the New Jersey Department of Environmental Protection Bureau of Nuclear Engineering (NJDEP-BNE) presenting the details and results of a groundwater investigation conducted following the discovery of tritium in groundwater adjacent to Salem Unit 1. The results of the remedial investigation indicated that the source of tritium detected in groundwater was the Spent Fuel Pool, the tritium release to the environment had been stopped, and that tritium had not migrated to the property boundary above the New Jersey GWQC.

Based on the results of the remedial investigation a remedial action strategy was developed to hydraulically limit further migration and reduce the concentration of tritium remaining in groundwater adjacent to Salem Unit 1. In April 2004, PSEG initiated a pilot study designed to demonstrate the effectiveness of groundwater extraction for achieving remedial objectives. The pilot study proved to be effective, and in July 2004, a Remedial Action Work Plan (RAWP) proposing the operation of a full-scale groundwater extraction system was prepared and submitted to the NJDEP-BNE. The RAWP was approved by the NJDEP-BNE in November 2004 and a full-scale groundwater extraction system was subsequently installed.

In April 2005, weekly draining of the Unit 1 seismic gap was initiated to ensure that the flow of water entering the seismic gap was directed toward the interior of the building for treatment rather than outward toward the environment. Continuous draining of the Unit 1 seismic gap was initiated in February 2007 and the program has been continued to date.

2 Continued Groundwater Monitoring

Groundwater monitoring activities continued through this reporting period in accordance with the schedule provided to NJDEP-BNE. The sampling program is designed to

provide the representative data necessary to evaluate plume containment. Monitoring activities include the periodic collection of groundwater samples from the 36 Station monitoring wells. A summary of monitoring well construction details is presented in **Table 1**. Results for Plume area monitoring well locations are depicted on **Figure 2** and wells beyond the area of active remediation are shown on **Figure 3**.

Groundwater samples are initially submitted to Salem Chemistry for analysis for tritium and gamma-emitting radioisotopes. Samples indicating tritium concentrations less than 50,000 picocuries per liter (pCi/L) are sent to Maplewood Testing Services for more refined analysis yielding lower detection limits.

Historical and current analytical data indicate that plant related gamma-emitting radioisotopes have not been detected in groundwater from any monitoring well since monitoring was initiated in 2003.

Historical analytical tritium results for groundwater collected from the Station monitoring wells are presented on **Figure 2** and **Table 2**. Included on **Figure 2** are: panel 1) the extent of tritium in groundwater at the completion of the remedial investigation (Baseline Plume); panel 2) the extent of tritium in groundwater one year prior to the reporting period, December 2007; and, panel 3) the extent of tritium in groundwater in September 2008. Based on a review of **Figure 2**, it is apparent that the mass of tritium in groundwater has been significantly reduced by the remedial efforts conducted to date. Details regarding these activities are discussed below.

The analytical results for groundwater samples collected from the monitoring wells were evaluated based on the water-bearing zone in which they are screened. The three primary water-bearing units investigated beneath the Station are: 1) the Vincentown Formation; 2) the shallow water-bearing unit within the limits of the cofferdam surrounding Salem Unit 1; and, 3) the shallow, water-bearing unit outside the limits of the cofferdam.

2.1 Tritium Analytical Results for the Vincentown Formation

The following wells are screened in the Vincentown Formation: Well V, Well K, Well L, Well P, Well Q, and Well CB. Groundwater quality for Well K, Well L, Well P, and Well Q is currently monitored on a semi-annual basis. Groundwater quality for Well V and Well CB is currently monitored on a quarterly and monthly basis, respectively.

Tritium has consistently not been detected above laboratory detection limits or detected at relatively low levels in groundwater at all monitoring wells screened within the Vincentown formation since the initiation of monitoring at these locations with the recent exception of Well CB. As discussed in the Q3, 2008 RAPR concentrations of tritium increased slightly at well CB following the March/April 2008 outage, during which the steam generators in Unit 2 were replaced. The activities involved in the spring 2008 outage applied significant but temporary vibration and compressive stresses to the Kirkwood clay and overlying units as the steam generators were removed and replaced.

The resulting vibration and compression of the Kirkwood Clay likely remobilized some tritiated water present in and above the immobile porosity fraction of the Kirkwood and overlying units as a result of historic above ground steam releases in this area. The tritium concentrations which may have been present within the Kirkwood are a result of concentration gradient driven diffusion into the immobile pore water of the clay. Following the removal and replacement of the turbines, tritium concentrations in groundwater exhibited a slight increase and subsequent decrease. Tritium levels in Well CB are trending toward levels historically observed in other wells completed in the Vincentown formation with some variability in routine analytical results. At no time did tritium concentrations rise to a level approaching the New Jersey Groundwater Quality Criteria. Thus, the groundwater monitoring results continue to indicate that the previous release of tritium impacted water from the SFP has not significantly migrated below the shallow water-bearing unit.

2.2 Tritium Analytical Results for Wells Installed Within the Limits of the Cofferdam

The following wells are screened in the shallow, water-bearing unit within the limits of the cofferdam: Well M, Well N, Well O, Well R, Well AC, Well AE, Well AI, Well AM, Well AN, and Well AO. Groundwater quality for these wells is currently monitored on a monthly basis. However, Well AO has been inaccessible due to site constraints and has not been sampled since January 2007. During 2008 Well AW was only sampled in the months of March through September, although this well is typically sampled every month. Based on the results of groundwater analysis, the potential for reducing the frequency of sampling for these wells will be evaluated.

Groundwater collected from Well AC, Well AD, Well AM, and Well AN exhibit some of the highest concentrations of tritium remaining at the Site, likely due to their location relative to the original release. Tritium concentrations in groundwater at these wells exhibits general decreasing trends since the initiation of monitoring in 2003. Well AC, for example, the location of the historic highest concentrations, has exhibited steadily decreasing concentrations (from a maximum of 15,000,000 pCi/L in April 2003 to 26,934 pCi/L during the sampling event in December 2008). The decrease in tritium concentrations observed at Well AC provides confirmation that tritium impacted groundwater is no longer being released to the environment and that the remedial groundwater recovery system (GRS) is effectively reducing concentrations of previously released tritium.

The mobile extraction unit was moved from Well AM to Well O and then to Well AR during the second quarter of 2008 to address seasonal fluctuations. The mobile system is only typically used during the period between March and November in order to avoid potential freeze damage.

Tritium concentrations at Well N, Well R, and Well AI are below GWQC and generally show consistent declining temporal trends. Tritium concentrations at all well locations

within the cofferdam have generally decreased by one order of magnitude or more since the initiation of monitoring, indicating that remedial activities are effectively removing mass from the areas of greatest concentration. Variations in concentration occur primarily due to the complex flow patterns and limited flushing within the limits of the cofferdam.

2.3 Tritium Analytical Results for Wells Installed Outside the Limits of the Cofferdam

The wells installed in the shallow, water-bearing unit beyond the limits of the cofferdam are Well S, Well T, Well U, Well W, Well Y, Well Z, Well AA, Well AB, Well AD, Well AF, Well AG (Shallow and Deep), Well AH (Shallow and Deep), Well AJ, Well AL, Well AP, Well AQ, Well AR, Well AS, Well AT, and Well CA. These wells are screened either just above the clay confining unit that separates the shallow water-bearing unit from the Vincentown Formation, or in the interval indicating the highest tritium concentrations found in the shallow water-bearing unit at each boring location at the time of the Supplemental Investigation completed in August 2003.

By 2007, tritium concentrations at Well AR had been reduced to approximately 80,000 pCi/L. In the spring of 2008, recovery Wells AS and AT began to lose efficiency as the pumps degraded. As a result, slight increases in tritium concentration were observed at Well AS and Well AT during the summer of 2008. These increases were later determined to be an artifact of reduced functionality of the pumps coupled with the location of the sampling ports. Subsequent servicing of the GRS (October 2008) revealed that by October these two wells were wholly non-functional and although the installed check valves prevented backflow into the well, the sampling ports were producing samples more representative of total system effluent than of the concentrations in Wells AR, AS and AT. Grab samples collected at the wells indicated that the concentrations in Well AS and AT were below GWQC which was inconsistent with some of the second and third quarter analytical results obtained from the samples collected at the sampling ports in the control shed.

Tritium concentration trends for wells screened in the shallow, water-bearing unit indicate that the operation of the groundwater extraction system is achieving the remedial action objectives (i.e., reduce the mass of tritium in groundwater and maintain hydraulic control). The distribution of tritium in groundwater in December 2008 is presented on **Figure 2**, along with the distribution of tritium prior to the initiation of the pilot study in March 2004, and in December 2007. As shown on **Figure 2**, the mass of tritium in groundwater has continued to decrease through the operation of the groundwater extraction pilot study system and operation of the full-scale system.

3 Groundwater Extraction

Groundwater extraction as a remedial strategy at the site was initiated with the operation of a pilot test from April 2004 to February 2005. In accordance with the

RAWP, groundwater extraction activities completed to date consisted of the operation of the pilot-study from April 26, 2004 to February 11, 2005 and operation of the full scale GRS from February 16, 2005 to the present. As discussed above, system service was scheduled and performed in October 2008 to address valve and pump difficulties.

3.1 Full-Scale System

The objectives of the full-scale GRS consist of:

- maintaining hydraulic containment of the tritium plume; and
- reducing tritium concentrations in groundwater.

The present operation of the GRS consists of groundwater extraction from Wells AB, AD, AJ, AN, AS, and AT. Pumping at Well S has not occurred since 2006 as a result of low yield and resulting pump failures. The system was inactive for several weeks during the first quarter of 2008 for system servicing and again at the end of the third quarter of 2008. A regular system service schedule will be planned and implemented to maximize system operation and efficiency. Groundwater extracted from the wells is processed in accordance with the Station's United States Nuclear Regulatory Commission (USNRC) license and plant procedures. Details of the extracted effluent are discussed below.

3.2 Mobile Groundwater Recovery Unit

The mobile groundwater recovery unit was designed and built to target specific areas of the groundwater plume exhibiting greater tritium concentrations. The mobile unit typically operates between March and November (weather permitting). The mobile unit collects water in nominal 1,000 gallon batches for handling in accordance with the station's permits. The mobile unit has historically been used successfully at Wells O, AP, AM, and AR. In 2008 it was operated at Wells O and AR where relatively elevated concentrations were present during the early part of the year.

3.3 Total System Effluent Data and Evaluation

GRS operations were initiated on February 16, 2005. The system operated in various configurations as part of the optimization process for approximately the first month. The GRS discharges continuously in accordance with the Station's USNRC permit allowing the GRS to be more effective and efficient than the pilot-scale system. As of December 2008, the GRS has recovered greater than 23 million gallons of groundwater. This is equivalent to an average recovery rate of approximately 10.8 gallons per minute or greater than 15 times the recharge rate for the extraction area (calculated to be 0.7 gallons per minute, based upon an assumed percentage of annual precipitation).

3.4 Water-Level Data and Evaluation

Water level measurements from the extraction and select observation wells have been monitored to confirm hydraulic containment of the tritium groundwater plume. Water levels are periodically collected and evaluated according to the schedule described in the Q4 2006 RAPR submitted in March 2007. Groundwater elevation contours developed from water level measurements collected in January, April, August and December of 2008 are presented in **Figures 4, 5, 6, and 7**, respectively. Because some operational issues arose in 2008 water levels were not as consistent as they have been in past years. The system was serviced in October with a second service event scheduled for spring 2009. The pump service performed in October restored the declining performance of several of the components of the GRS system. An additional servicing event was scheduled for the spring of 2009 and will be established on a regular schedule going forward. The partially rehabilitated system continues to control the flow of groundwater in the Salem Unit 1 yard area and therefore controls the distribution of the remnants of the tritium groundwater plume.

3.5 Cumulative Curies Removed

The various groundwater recovery activities conducted to date have been successful in controlling the plume and recovering tritium from groundwater at and downgradient of the Salem Unit 1 seismic gap.

Figure 8 summarizes the results of groundwater remediation activities conducted using the well field including both the pilot study and the permanent system. As shown on **Figure 8**, greater than 2.8 curies of tritium have been recovered from the operation of the GRS through December 2008. Approximately 0.93 curies of tritium were removed by the pilot system. As the mass remaining in the plume continues to decrease so will the rate of tritium recovery by the GRS. The effectiveness of the GRS is emphasized by the decrease and stabilization of system effluent concentrations since the activation of the full scale system in February 2005. System effluent concentrations averaged 35,250 pCi/L during the fourth quarter 2008 (data available from October and December). This indicates that the GRS has been successful at significantly decreasing tritium concentrations in groundwater as discharge concentrations are roughly 30 percent of the peak concentration (109,000 pCi/L) observed in March 2005. The average effluent concentration during 2008 was 48,626 pCi/L, indicating that the GRS continues to reduce the mass present in the subsurface of the Salem Unit 1 yard area. The mass of tritium in the plume was recalculated in late 2008 in order to provide an annual update of the remedial progress. The annual recalculation interval was selected based upon the adaptively managed sampling program such that the most complete data set is used to calculate the mass remaining in the plume. At the end of 2008 the mass was estimated to be less than one curie. This calculation is based upon the concentration of tritium shown in the plume and the pore volume for that area. The endpoint for the mass calculation is the 20,000 pCi/L concentration isocontour. Therefore it is expected that GRS operations will achieve end criteria for tritium removal

ahead of the previously communicated schedule although the system will likely remain in some form as a fail safe for the release mechanism.

4.0 Operation of the Seismic Gap Drain

In addition to the operation of the GRS and mobile groundwater recovery unit, the seismic gap drains in Salem Unit 1 and Unit 2 are being used to continuously drain the water from these gaps, resulting in the recovery of residual tritium concentrations from the seismic gap. The operation of these permanent gap drains creates an inward gradient towards the gaps facilitating the recovery of water from low accessibility areas and minimizing the potential for this water to enter the environment.

Water samples from the seismic gap drains are periodically collected for tritium analysis. **Table 3** and **Figure 9** summarize the results of periodic tritium analysis from the seismic gap. A comparison of **Figure 1** and **Figure 9** indicates that concentrations of tritium in water recovered in the Unit 1 seismic gap have been consistently significantly higher than those detected in groundwater samples collected from Well AC and Well AM located to the southeast and southwest of the seismic gap, respectively. Thus, continuous operation of the Unit 1 seismic gap drain is effectively removing residual SFP water in the seismic gap, resulting in the reduction of tritium concentrations in groundwater adjacent to the seismic gap. Tritium concentrations in water presently being removed from the gap are close to the concentrations present in the pool indicating that the continuous draining program has been successful in establishing a more direct flow path between the seismic gap drain and any SFP water.

Continuous or nearly continuous draining (resulting in a hydraulic head less than that which is present in the geologic materials present outside the seismic gap) provides positive assurance that the engineering control established by the seismic gap drain is effective at capturing any SFP water that enters the seismic gap. The gap drain creates an inward gradient such that groundwater flows into the seismic gap assuring that no further potential exists for a discharge to the environment from the gap. This is further supported by the reversal in the concentration relationship between Wells AC and AM suggesting that the plume is detaching from the location of the original release. Concentrations of tritium from the Unit 1 seismic gap (summarized by week) are shown on **Figure 9**.

Monitoring of water drained from the Unit 2 seismic gap acts as a screen for a potential release from the Unit 2 SFP. Water collected in the Unit 2 seismic gap drain indicate tritium levels several orders of magnitude below the Unit 1 seismic gap drain concentration, and consistent with the trends in the Unit 1 seismic gap drain.

Water samples will continue to be periodically obtained from the Unit 1 and Unit 2 seismic gap drain to evaluate the potential for the release of radioisotopes to the environment.

Upcoming Activities

Activities projected for the first half of 2009 (January through June) include the following:

- Continue to monitor continuous draining of seismic gap drains;
- Ongoing evaluation of the data to refine the procedures and protocols as necessary to adaptively manage the operation and sampling of the GRS;
- Continue to measure groundwater levels and evaluate flow and plume containment;
- Perform calculations of the residual tritium remaining in the plume and estimate the time remaining to completing the remediation;
- Continued groundwater sampling and analysis; and,

Continued operation and evaluation of the GRS performance.

Based on the decreasing trends in most wells, PSEG recommends modifying the minimum sampling frequency of wells that are routinely below the NJGWQC. It is recommended that wells W, AA, AF, AI, AL, and AP have the sampling frequency reduced by one step, i.e, monthly to quarterly, or quarterly to semi-annually. It is also recommended that operating wells connected to the GRS system be sampled on a monthly basis to aid in the adaptive management of the GRS system.

If you have any questions or comments regarding the contents of this report, please do not hesitate to contact me at (856) 339-1636.

Sincerely,



Robert N. Bernard
Manager – Salem Chemistry, Environmental, and Radwaste

C Ron Nimitz- NRC
NRC – Salem Resident Inspector
NRC – Document Room

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Table 01. Well Construction Details, PSEG Nuclear, LLC, Salem Generating Station, Hancock's Bridge, New Jersey.

Well ID	Installation Date	Construction Details	Diameter (inches)	Total Depth (feet bgs)	Monitoring Interval (feet bgs)	Monitored Hydrogeologic Unit	MP Elevation (feet RPD)	MP Elevation (feet amsl)	Northing (NAD 83)	Easting (NAD 83)
Well K	Feb-03	Sch-40 PVC	2	80.0	70.0 - 80.0	Vincentown ¹	102.00	12.08	231,435	199,697
Well L	Jan-03	Sch-40 PVC	2	80.0	70.0 - 80.0	Vincentown ¹	101.46	11.54	230,933	199,263
Well M	May-03	Sch-40 PVC	1	20.0	10.0 - 20.0	Cofferdam ²	102.17	12.25	230,843	199,546
Well N	Jan-03	Sch-40 PVC	2	20.0	10.0 - 20.0	Cofferdam ²	101.65	11.73	230,777	199,661
Well O	Jan-03	Sch-40 PVC	2	20.0	10.0 - 20.0	Cofferdam ²	101.33	11.41	230,804	199,839
Well P	Mar-03	Sch-40 PVC	2	80.0	70.0 - 80.0	Vincentown ¹	101.13	11.21	230,336	200,000
Well Q	Mar-03	Sch-40 PVC	2	80.0	70.0 - 80.0	Vincentown ¹	106.59	16.67	230,645	201,196
Well R	Jun-03	Sch-40 PVC	1	19.0	9.0 - 19.0	Cofferdam ²	102.35	12.43	230,906	199,640
Well S ⁴	May-03	Sch-40 PVC	2	34.7	24.7 - 34.7	Shallow ³	99.04	9.12	230,711	199,613
Well T	Jun-03	Sch-40 PVC	2	31.2	21.2 - 31.2	Shallow ³	104.13	14.21	231,575	199,575
Well U ⁴	May-03	Sch-40 PVC	2	32.2	27.2 - 32.2	Shallow ³	98.57	8.65	231,370	199,618
Well V ⁴	Jun-03	Sch-40 PVC	2	79.5	69.5 - 79.5	Vincentown ¹	98.74	8.82	231,355	199,548
Well W ⁴	Jun-03	Sch-40 PVC	2	35.0	25.0 - 35.0	Shallow ³	98.26	8.34	230,777	199,450
Well Y	Sep-03	Sch-40 PVC	2	37.0	27.0 - 35.0	Shallow ³	101.81	11.89	230,771	199,343
Well Z	Sep-03	Sch-40 PVC	2	37.5	27.5 - 37.5	Shallow ³	101.86	11.94	230,681	199,399
Well AA ⁴	Sep-03	Sch-40 PVC	2	36.0	26.0 - 36.0	Shallow ³	99.07	9.15	230,603	199,541
Well AB ⁴	Oct-03	Sch-40 PVC	2	42.0	32.0 - 42.0	Shallow ³	98.93	9.01	230,623	199,677
Well AC ⁴	Sep-03	Sch-40 PVC	2	24.0	14.0 - 24.0	Cofferdam ²	98.77	8.85	230,724	199,725
Well AD ⁴	Oct-03	Sch-40 PVC	6	43.0	33.0 - 43.0	Shallow ³	98.99	9.07	230,684	199,607
Well AE	Oct-03	Sch-40 PVC	2	37.5	27.5 - 37.5	Cofferdam ²	101.54	11.62	230,829	199,845

Notes:

- MP Measuring Point
bgs Below ground surface
RPD Relative to plant datum
amsl Relative to mean sea level (NAVD 1988)
- 1 Monitoring well is screened in the Vincentown Formation.
2 Monitoring well is screened in the shallow, water-bearing unit at a location within the limits of the cofferdam.
3 Monitoring well is screened in the shallow, water-bearing unit at a location outside the limits of the cofferdam.
4 The surface completions of Monitoring Wells S, U, V, W, AA, AB, AC, and AD were converted from above-grade to flush-grade in February 2004.

Table 01. Well Construction Details, PSEG Nuclear, LLC, Salem Generating Station, Hancock's Bridge, New Jersey.

Well ID	Installation Date	Construction Details	Diameter (inches)	Total Depth (feet bgs)	Monitoring Interval (feet bgs)	Monitored Hydrogeologic Unit	MP Elevation (feet RPD)	MP Elevation (feet amsl)	Northing (NAD 83)	Easting (NAD 83)
Well AF	Oct-03	Sch-40 PVC	2	45.0	35.0 - 45.0	Shallow ³	101.61	11.69	230,491	199,702
Well AG-Shallow	Feb-04	Sch-40 PVC	1	24.2	14.2 - 24.2	Shallow ³	99.29	9.37	230,496	199,508
Well AG-Deep	Feb-04	Sch-40 PVC	1	40.0	30.0 - 40.0	Shallow ³	99.20	9.28	230,496	199,508
Well AH-Shallow	Feb-04	Sch-40 PVC	1	24.5	14.5 - 24.5	Shallow ³	102.58	12.66	230,450	199,596
Well AH-Deep	Feb-04	Sch-40 PVC	1	40.0	30.0 - 40.0	Shallow ³	102.70	12.78	230,450	199,596
Well AI	Jan-04	Sch-40 PVC	4	22.0	12.0 - 22.0	Cofferdam ²	98.79	8.87	230,798	199,521
Well AJ	Jan-04	Sch-40 PVC	4	35.3	15.3 - 35.3	Shallow ³	98.85	8.93	230,670	199,665
Well AL	Jan-04	Sch-40 PVC	2	25.3	15.3 - 25.3	Shallow ³	99.13	9.21	230,594	199,806
Well AM	Jan-04	Sch-40 PVC	4	20.9	10.9 - 20.9	Cofferdam ²	98.55	8.63	230,762	199,680
Well AN	Jun-04	Sch-40 PVC	4	25.0	10.0 - 25.0	Cofferdam ²	98.76	8.84	230,727	199,735
Well AO	Jun-04	Sch-40 PVC	4	21.0	11.0 - 21.0	Cofferdam ²	98.82	8.90	230,765	199,556
Well AP	Jun-04	Sch-40 PVC	4	40.0	15.0 - 40.0	Shallow ³	98.65	8.73	230,694	199,464
Well AQ	Jun-04	Sch-40 PVC	4	45.0	20.0 - 45.0	Shallow ³	99.05	9.13	230,526	199,540
Well AR	Jun-04	Sch-40 PVC	4	43.0	18.0 - 43.0	Shallow ³	99.22	9.30	230,622	199,626
Well AS	Jun-04	Sch-40 PVC	4	41.5	16.5 - 41.5	Shallow ³	99.44	9.52	230,566	199,604
Well AT	Jun-04	Sch-40 PVC	4	44.0	19.0 - 44.0	Shallow ³	99.25	9.33	230,546	199,566
Well BW	Dec-06	Sch-40 PVC	1	10	5-10	Shallow ¹	98.72	8.80	231563.00	199,864
Well BX	Dec-06	Sch-40 PVC	1	10	5-10	Shallow ¹	98.72	8.80	231582.00	199,876
Well CA	Dec-06	Sch-40 PVC	4	38	28.0 - 38.0	Shallow ²	98.87	8.95	231318.00	199,791
Well CB	Dec-06	Sch-40 PVC	2	80	70.0 - 80.0	Vincetown ³	98.98	9.06	231328.00	199,787

Notes:

MP Measuring Point

bgs Below ground surface

RPD Relative to plant datum

amsl Relative to mean sea level (NAVD 1988)

1 Monitoring well is screened in the Vincetown Formation.

2 Monitoring well is screened in the shallow, water-bearing unit at a location within the limits of the cofferdam.

3 Monitoring well is screened in the shallow, water-bearing unit at a location outside the limits of the cofferdam.

4 The surface completions of Monitoring Wells S, U, V, W, AA, AB, AC, and AD were converted from above-grade to flush-grade in February 2004.

Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- K	01/29/03		<153	153	90	--	--
Well- K	02/03/03		<153	153	91	0.74	1,060
Well- K	02/05/03		1,120	147	104	--	--
Well- K	02/12/03		506	148	96	--	--
Well- K	02/27/03		1,170	145	104	0.8	1,210
Well- K	03/14/03		937	144	100	1.38	1,200
Well- K	03/18/03		875	144	99	1.19	1,060
Well- K	03/26/03		822	140	97	--	--
Well- K	03/31/03		677	155	103	--	--
Well- K	04/09/03		1,010	140	99	--	--
Well- K	04/17/03		1,170	141	102	--	--
Well- K	04/21/03		911	140	98	--	--
Well- K	04/29/03		833	142	97	--	--
Well- K	05/05/03		948	135	96	--	--
Well- K	05/20/03		878	145	100	--	--
Well- K	05/28/03		859	141	97	--	--
Well- K	06/04/03		921	141	98	--	--
Well- K	06/10/03		897	138	97	--	--
Well- K	06/17/03		894	141	98	--	--
Well- K	06/24/03		783	141	96	--	--
Well- K	06/30/03		914	142	99	--	--
Well- K	07/16/03		870	140	97	--	--
Well- K	07/29/03		950	140	98	--	--
Well- K	08/12/03		845	142	98	1.13	1,190
Well- K	08/27/03		852	141	97	1.02	1,220
Well- K	09/09/03		653	147	98	1.16	1,170
Well- K	09/25/03		713	139	94	0.82	1,280
Well- K	10/06/03		880	143	99	1.15	1,250
Well- K	11/09/03		891	141	98	0.92	1,330

Notes:

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- K	02/04/04		762	139	95	--	--
Well- K	06/10/04		777	143	97	--	--
Well- K	08/02/04		720	144	97	0.67	1,160
Well- K	10/04/04		485	156	100	--	--
Well- K	11/03/04		598	148	98	1.60	1,270
Well- K	12/06/04	1	<4,520	4,520	1,370	--	--
Well- K	01/10/05		480	152	98	2.12	1,200
Well- K	02/01/05		602	139	93	--	--
Well- K	03/03/05		711	146	98	--	--
Well- K	04/05/05		740	143	97	--	--
Well- K	05/09/05		473	155	100	--	--
Well- K	07/05/05		721	150	101	--	--
Well- K	01/09/06		511	155	100	--	--
Well- K	07/10/06		404	153	97	--	--
Well- K	01/23/07		468	152	98	--	--
Well- K	07/12/07		294	144	90	--	--
Well- K	01/16/08		358	138	88	--	--
Well- K	07/16/08		200	129	80	--	--
Well- L	01/22/03		<147	147	87	0.76	1,020
Well- L	01/23/03		<146	146	86	0.67	1,890
Well- L	01/24/03		<147	147	87	0.59	2,000
Well- L	01/27/03		<151	151	89	0.53	1,900
Well- L	03/14/03		<143	143	85	--	--
Well- L	03/18/03		<143	143	86	--	--
Well- L	04/02/03		<153	153	91	--	--
Well- L	04/08/03		<142	142	86	--	--
Well- L	04/15/03		<141	141	84	--	--
Well- L	04/24/03		<139	139	82	--	--

Notes:

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-L	04/29/03		<141	141	83	--	--
Well-L	05/05/03		<134	134	82	--	--
Well-L	05/15/03		<144	144	85	--	--
Well-L	05/20/03		<144	144	86	--	--
Well-L	05/28/03		<141	141	84	--	--
Well-L	06/04/03		<140	140	84	--	--
Well-L	06/10/03		<137	137	82	--	--
Well-L	06/17/03		<141	141	84	--	--
Well-L	06/24/03		<141	141	84	--	--
Well-L	06/30/03		<140	140	83	--	--
Well-L	07/29/03		<141	141	86	--	--
Well-L	08/27/03		<142	142	84	1.95	2,330
Well-L	09/25/03		<140	140	84	1.62	2,490
Well-L	12/16/03		<146	146	86	--	--
Well-L	03/23/04		3,870	147	137	--	--
Well-L	05/04/04		<138	138	82	--	--
Well-L	05/10/04		<138	138	84	--	--
Well-L	05/19/04		<148	148	88	--	--
Well-L	05/24/04		<147	147	88	--	--
Well-L	06/10/04		140	140	85	1.56	2,180
Well-L	07/07/04		753	140	96	0.81	1,140
Well-L	08/02/04		<147	147	88	--	--
Well-L	10/04/04		<159	159	92	--	--
Well-L	11/03/04		<142	142	84	--	--
Well-L	12/06/04	1	<4,520	4,520	1,280	--	--
Well-L	01/10/05		<158	158	93	--	--
Well-L	02/01/05		<148	148	87	--	--
Well-L	03/07/05		<158	158	94	0.832	2,400
Well-L	04/06/05		<152	152	90	--	--

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- L	05/17/05		<150	150	88	--	--
Well- L	07/06/05		<152	152	90	--	--
Well- L	01/09/06		<160	160	95	--	--
Well- L	07/10/06		<156	156	92	--	--
Well- L	01/22/07		<154	154	92	--	--
Well- L	07/19/07		<145	145	87	--	--
Well- L	01/17/08		<137	137	81	--	--
Well- L	07/16/08		<129	129	78	--	--
Well- M	02/12/03		18,700	170	270	0.25	23
Well- M	02/28/03		14,400	146	219	0.17	28
Well- M	03/03/03		9,420	140	181	0.16	27
Well- M	03/10/03		15,000	144	223	0.21	22
Well- M	03/17/03		10,600	142	192	--	--
Well- M	03/24/03		10,100	144	189	--	--
Well- M	03/31/03		11,000	154	203	--	--
Well- M	04/07/03		9,260	136	181	--	--
Well- M	04/14/03		9,600	135	183	--	--
Well- M	04/21/03		8,880	140	180	--	--
Well- M	04/30/03		8,800	143	180	--	--
Well- M	07/09/03		126,000	138	602	--	--
Well- M	07/23/03		113,000	141	573	--	--
Well- M	08/06/03		73,500	141	466	--	--
Well- M	08/06/03		73,200	144	462	0.24	22
Well- M	08/20/03		62,000	141	430	0.27	23
Well- M	09/04/03		39,700	143	346	0.22	23
Well- M	09/16/03		33,600	141	320	0.32	25
Well- M	10/03/03		25,400	146	289	0.27	25
Well- M	10/20/03	1	16,380	NA	NA	--	--

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- M	10/30/03	1	22,700	NA	NA	--	--
Well- M	12/04/03		11,200	146	198	--	--
Well- M	01/06/04		8,900	145	183	--	--
Well- M	01/22/04		7,340	140	164	--	--
Well- M	02/17/04	1	11,300	NA	NA	--	--
Well- M	03/05/04		7,170	146	168	0.15	22
Well- M	04/29/04		6,510	141	159	0.12	21
Well- M	05/11/04		2,350	141	117	--	--
Well- M	06/10/04		3,610	141	133	--	--
Well- M	07/08/04		5,090	144	150	--	--
Well- M	08/17/04		3,857	143	136	--	--
Well- M	09/08/04		3,745	146	137	--	--
Well- M	10/04/04		3,036	144	126	--	--
Well- M	11/03/04		2,818	143	125	--	--
Well- M	12/06/04	1	<4,520	4,520	1,390	--	--
Well- M	01/19/05	1	37,200	3,950	2,890	--	--
Well- M	01/19/05	1	36,200	2,650	2,830	--	--
Well- M	02/09/05	1	42,300	4,660	3,240	--	--
Well- M	03/02/05	1	53,300	3,360	3,400	3.33	24
Well- M	04/11/05	1	24,600	4,220	2,550	--	--
Well- M	05/03/05		10,031	147	192	--	--
Well- M	06/06/05		15,169	146	225	--	--
Well- M	07/12/05	1	78,400	3,750	4,070	--	--
Well- M	08/15/05	1	79,400	3,905	4,114	--	--
Well- M	09/06/05	1	68,900	4,940	4,037	--	--
Well- M	10/10/05		17,049	148	240	--	--
Well- M	11/14/05		12,528	158	219	--	--
Well- M	12/13/05		8,257	148	178	--	--
Well- M	01/17/06		6,932	152	170	--	--

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- M	02/21/06		7,371	153	174	--	--
Well- M	02/22/06	1	7,510	3,550	1,750	--	--
Well- M	03/20/06	1	4,200	3,730	1,530	--	--
Well- M	04/11/06		4,067	155	144	--	--
Well- M	05/16/06		4,592	152	148	--	--
Well- M	06/19/06		4,712	155	150	--	--
Well- M	07/18/06		5,553	157	161	--	--
Well- M	08/08/06		4,912	161	157	--	--
Well- M	09/18/06		4,132	161	148	--	--
Well- M	10/10/06		3,565	157	139	--	--
Well- M	11/01/06		4,077	170	154	--	--
Well- M	12/18/06		3,887	162	147	--	--
Well- M	01/13/07		4,517	150	148	--	--
Well- M	02/23/07		4,796	168	161	--	--
Well- M	03/08/07		5,085	158	160	--	--
Well- M	04/20/07		11,617	170	225	--	--
Well- M	05/15/07		10,479	181	219	--	--
Well- M	06/18/07		8,426	147	177	--	--
Well- M	07/18/07		7,443	146	168	--	--
Well- M	08/15/07		6,066	140	154	--	--
Well- M	09/20/07		5,271	150	153	--	--
Well- M	10/03/07		5,612	160	164	--	--
Well- M	11/14/07		4,505	124	133	--	--
Well- M	12/12/07		4,617	151	146	--	--
Well- M	01/17/08		4,713	140	141	--	--
Well- M	02/06/08		4,733	139	141	--	--
Well- M	03/18/08		4,946	145	147	--	--
Well- M	04/02/08		4,755	142	142	--	--
Well- M	05/08/08		4,893	147	146	--	--

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for Samples collected between 01/22/2003 and 12/31/2008

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			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- M	06/19/08		4,969	135	140	--	--
Well- M	07/07/08		4,980	129	137	--	--
Well- M	08/06/08		4,755	140	140	--	--
Well- M	09/02/08		4,523	134	135	--	--
Well- M	11/19/08		4,000	135	131	--	--
Well- M	12/15/08		4,347	149	142	--	--
Well- N	01/30/03		69,000	187	505	0.34	14
Well- N	01/30/03		58,400	141	412	0.37	14
Well- N	02/10/03		15,600	149	229	0.28	11
Well- N	03/04/03		2,770	144	123	0.2	34
Well- N	03/14/03		2,670	143	121	0.41	24
Well- N	03/17/03		3,830	142	134	0.36	21
Well- N	03/25/03		3,480	139	129	--	--
Well- N	04/04/03		3,560	152	137	--	--
Well- N	04/11/03		3,730	137	131	--	--
Well- N	04/16/03		3,910	142	134	--	--
Well- N	04/25/03		4,600	138	140	--	--
Well- N	04/30/03		9,370	144	185	--	--
Well- N	05/06/03		9,830	137	186	--	--
Well- N	05/21/03		7,480	144	169	--	--
Well- N	05/27/03		7,130	141	165	--	--
Well- N	06/04/03		5,480	141	150	--	--
Well- N	06/11/03		4,990	137	144	--	--
Well- N	06/19/03		5,680	142	153	--	--
Well- N	06/25/03		5,060	142	146	--	--
Well- N	07/10/03		5,020	137	144	--	--
Well- N	07/25/03		5,220	141	148	--	--
Well- N	08/07/03		5,110	145	148	0.21	24

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- N	08/20/03		5,850	140	153	0.25	20
Well- N	09/04/03		5,660	145	154	0.33	23
Well- N	09/17/03		6,160	141	157	0.27	22
Well- N	10/03/03	1	6,460	NA	NA	--	--
Well- N	10/03/03		5,740	145	157	0.24	24
Well- N	11/03/03	1	5,560	NA	NA	--	--
Well- N	12/12/03	1	6,010	NA	NA	--	--
Well- N	01/20/04		6,050	143	155	--	--
Well- N	02/11/04		5,950	139	154	--	--
Well- N	02/11/04	1	7,360	NA	NA	--	--
Well- N	03/18/04		6,550	145	162	--	--
Well- N	04/08/04		7,180	137	164	2.30E-01	17
Well- N	05/12/04		8,210	147	178	--	--
Well- N	06/03/04		9,890	152	196	--	--
Well- N	07/20/04		5,220	141	148	--	--
Well- N	08/17/04		14,303	161	235	--	--
Well- N	09/14/04		11,642	148	207	--	--
Well- N	10/25/04		10,619	157	206	--	--
Well- N	11/23/04		9,150	149	187	--	--
Well- N	12/27/04	1	7,660	4,060	1,720	--	--
Well- N	01/12/05		9,550	154	195	--	--
Well- N	02/22/05		9,442	146	186	--	--
Well- N	03/15/05		9,712	153	195	0.11	18
Well- N	04/19/05		9,781	147	193	--	--
Well- N	05/17/05		9,060	147	185	--	--
Well- N	06/21/05		9,302	145	183	--	--
Well- N	07/12/05		8,147	147	177	--	--
Well- N	08/15/05		8,152	157	184	--	--
Well- N	09/20/05		7,502	151	174	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- N	10/10/05		8,280	149	180	--	--
Well- N	11/14/05		8,210	151	180	--	--
Well- N	12/20/05		5,896	157	162	--	--
Well- N	01/23/06		7,400	149	171	--	--
Well- N	02/23/06	1	8,410	3,920	1,810	--	--
Well- N	03/21/06	1	13,500	3,730	2,130	--	--
Well- N	04/11/06		8,393	164	189	--	--
Well- N	05/16/06		8,588	152	185	--	--
Well- N	06/20/06		15,289	150	232	--	--
Well- N	07/18/06		6,660	159	170	--	--
Well- N	08/21/06		13,776	154	224	--	--
Well- N	09/07/06		22,714	155	277	--	--
Well- N	09/19/06		14,486	160	232	--	--
Well- N	10/09/06		28,037	159	310	--	--
Well- N	11/01/06		11,023	165	213	--	--
Well- N	11/15/06		10,407	197	232	--	--
Well- N	12/07/06		9,280	211	233	--	--
Well- N	12/18/06		10,163	154	199	--	--
Well- N	01/13/07		6,325	148	165	--	--
Well- N	01/22/07		6,812	157	173	--	--
Well- N	02/06/07		11,587	189	234	--	--
Well- N	02/23/07		12,517	167	227	--	--
Well- N	03/08/07		13,252	146	218	--	--
Well- N	04/20/07		6,332	160	172	--	--
Well- N	05/15/07		8,139	150	177	--	--
Well- N	06/19/07		7,554	145	169	--	--
Well- N	07/18/07		8,865	99	168	--	--
Well- N	08/15/07		9,045	148	182	--	--
Well- N	09/21/07		9,711	147	188	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- N	10/03/07		21,390	145	267	--	--
Well- N	10/17/07		22,016	153	279	--	--
Well- N	11/14/07		18,607	124	237	--	--
Well- N	12/12/07		12,763	145	207	--	--
Well- N	01/17/08		8,049	139	170	--	--
Well- N	01/28/08		7,780	139	167	--	--
Well- N	02/06/08		7,641	148	172	--	--
Well- N	02/20/08		6,853	138	160	--	--
Well- N	03/13/08		6,278	149	161	--	--
Well- N	03/18/08		6,956	137	160	--	--
Well- N	04/02/08		7,427	150	171	--	--
Well- N	04/23/08		7,017	143	163	--	--
Well- N	05/08/08		6,949	139	159	--	--
Well- N	06/24/08		8,406	135	168	--	--
Well- N	07/07/08		9,346	144	183	--	--
Well- N	08/07/08		9,026	142	178	--	--
Well- N	08/21/08		9,675	129	176	--	--
Well- N	09/02/08		9,899	128	178	--	--
Well- N	11/14/08		8,991	142	177	--	--
Well- N	12/08/08		8,845	133	172	--	--
Well- O	01/29/03		1,220	156	110	0.16	41
Well- O	01/29/03		1,400	143	106	0.17	40
Well- O	02/10/03		10,300	149	193	0.1	13
Well- O	02/21/03		7,370	149	170	0.09	15
Well- O	02/28/03		11,700	147	201	0.09	17
Well- O	03/04/03		8,800	142	178	0.07	21
Well- O	03/13/03		12,300	143	204	0.11	16
Well- O	03/17/03		11,000	155	206	0.08	12

Notes:

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- pCi/L Picocuries per liter
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- Constituent not analyzed.

Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- O	03/25/03		8,660	141	178	--	--
Well- O	03/31/03		8,010	155	180	--	--
Well- O	04/07/03		7,290	137	165	--	--
Well- O	04/15/03		12,400	141	204	--	--
Well- O	04/21/03		11,800	139	201	--	--
Well- O	04/29/03		10,500	140	191	--	--
Well- O	05/06/03		10,200	134	187	--	--
Well- O	05/21/03		11,100	143	197	--	--
Well- O	05/28/03		12,700	140	207	--	--
Well- O	06/03/03		12,200	140	202	--	--
Well- O	06/10/03		12,800	137	206	--	--
Well- O	06/17/03		10,300	141	190	--	--
Well- O	06/24/03		13,400	141	212	--	--
Well- O	07/09/03		9,100	139	182	--	--
Well- O	07/25/03		7,710	139	169	--	--
Well- O	08/06/03		8,300	148	178	0.24	14
Well- O	08/20/03		7,440	142	168	0.31	14
Well- O	09/03/03		6,400	143	159	0.28	14
Well- O	09/15/03		7,730	141	170	0.27	13
Well- O	10/03/03		6,980	145	168	0.23	23
Well- O	10/20/03		6,700	141	161	0.2	47
Well- O	11/17/03	1	23,400	NA	NA	--	--
Well- O	12/18/03		5,320	145	150	--	--
Well- O	01/14/04		3,750	141	132	--	--
Well- O	02/09/04	1	21,500	NA	NA	--	--
Well- O	02/09/04	1	24,200	NA	NA	--	--
Well- O	03/03/04	1	21,800	NA	NA	--	--
Well- O	03/23/04	1	21,000	NA	NA	--	--
Well- O	04/06/04		19,300	136	247	2.81E-01	120

Notes:

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- O	05/03/04		20,400	140	253	--	--
Well- O	05/11/04		20,700	140	254	--	--
Well- O	06/10/04	1	28,200	4,974	2,855	--	--
Well- O	06/24/04		14,174	141	218	--	--
Well- O	07/13/04		9,510	141	185	--	--
Well- O	07/29/04		6,739	146	163	--	--
Well- O	08/31/04		7,307	159	179	--	--
Well- O	09/22/04		6,637	146	167	--	--
Well- O	10/04/04		5,543	140	151	--	--
Well- O	10/18/04		5,874	150	161	--	--
Well- O	11/22/04		14,027	144	218	--	--
Well- O	12/16/04	1	15,000	3,230	1,950	--	--
Well- O	01/18/05		18,840	152	257	0.297	22
Well- O	02/08/05	1	25,400	4,660	2,640	--	--
Well- O	03/08/05		10,911	139	195	--	--
Well- O	04/11/05		7,096	148	170	--	--
Well- O	05/10/05		6,722	148	166	--	--
Well- O	06/07/05		5,803	147	156	--	--
Well- O	07/06/05		3,827	145	136	--	--
Well- O	07/19/05		4,999	156	154	--	--
Well- O	08/02/05		4,295	148	143	--	--
Well- O	09/07/05		5,400	146	152	--	--
Well- O	10/04/05		4,326	153	146	--	--
Well- O	11/02/05		14,530	151	224	--	--
Well- O	12/09/05		15,734	152	235	--	--
Well- O	01/16/06	1	21,900	3,550	2,460	--	--
Well- O	02/07/06		18,595	157	254	--	--
Well- O	03/07/06	1	8,560	3,310	1,720	--	--
Well- O	04/04/06		7,340	161	178	--	--

Notes:

LLD Lower Limit of Detection

mg/L Milligrams per liter

pCi/L Picocuries per liter

1 Reported analytical results are from Salem Chemistry.

< Constituent was not detected above the indicated laboratory detection limit.

762 Constituent was detected above the laboratory method detection limit.

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-- Constituent not analyzed.

Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- O	05/02/06		9,369	152	191	--	--
Well- O	06/19/06		9,417	155	194	--	--
Well- O	07/17/06		9,533	151	188	--	--
Well- O	08/21/06		4,760	152	150	--	--
Well- O	09/18/06		4,237	158	147	--	--
Well- O	10/05/06		12,747	157	219	--	--
Well- O	11/02/06		19,760	169	275	--	--
Well- O	12/07/06		9,060	162	197	--	--
Well- O	01/13/07		29,157	147	306	--	--
Well- O	02/24/07		25,296	153	292	--	--
Well- O	03/07/07		45,398	155	393	--	--
Well- O	04/20/07		43,612	163	393	--	--
Well- O	05/16/07		15,782	180	257	--	--
Well- O	06/18/07		15,749	148	229	--	--
Well- O	07/19/07		8,610	145	177	--	--
Well- O	08/15/07		9,155	142	178	--	--
Well- O	09/19/07		1,525	146	109	--	--
Well- O	10/04/07		2,619	183	146	--	--
Well- O	11/19/07		6,211	149	167	--	--
Well- O	12/12/07		39,793	142	340	--	--
Well- O	01/16/08		27,207	144	291	--	--
Well- O	02/07/08		32,440	149	317	--	--
Well- O	03/12/08		37,518	149	340	--	--
Well- O	04/01/08		26,462	148	289	--	--
Well- O	05/19/08		13,799	146	215	--	--
Well- O	05/27/08		10,565	150	195	--	--
Well- O	06/11/08		10,568	146	192	--	--
Well- O	06/23/08		9,377	135	175	--	--
Well- O	07/15/08		9,388	128	173	--	--

Notes:

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- O	07/28/08		12,170	143	203	--	--
Well- O	08/18/08	1	<4,530	4,530	NA	--	--
Well- O	08/25/08	1	9,760	4,280	1,930	--	--
Well- O	09/02/08		9,780	134	178	--	--
Well- O	10/17/08		10,128	135	184	--	--
Well- O	11/18/08		28,061	135	285	--	--
Well- O	12/16/08		35,495	152	333	--	--
Well- P	02/05/03					0.18	1,600
Well- P	02/06/03		<153	153	91	--	--
Well- P	02/21/03		<148	148	91	--	--
Well- P	03/13/03		303	143	90	0.2	--
Well- P	03/18/03		465	143	92	--	--
Well- P	03/26/03		<143	143	87	--	--
Well- P	04/03/03		<154	154	9	--	--
Well- P	04/24/03		<139	139	82	--	--
Well- P	04/29/03		<144	144	85	--	--
Well- P	05/05/03		<134	134	82	--	--
Well- P	05/20/03		<145	145	85	--	--
Well- P	05/30/03		<142	142	85	--	--
Well- P	06/04/03		<141	141	84	--	--
Well- P	06/10/03		<138	138	84	--	--
Well- P	06/17/03		<141	141	85	--	--
Well- P	06/24/03		<141	141	85	--	--
Well- P	07/16/03		<141	141	85	--	--
Well- P	08/13/03		<140	140	84	0.48	1,570
Well- P	09/08/03		<147	147	87	0.65	1,560
Well- P	09/09/03	1	<7,430	7,430	NA	--	--
Well- P	10/06/03		<143	143	86	0.48	1,610

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- P	01/22/04		<144	144	86	--	--
Well- P	04/28/04		<139	139	83	0.441	1,550
Well- P	08/03/04		<157	157	92	0.292	1,540
Well- P	10/05/04		<149	149	87	--	--
Well- P	11/03/04		<147	147	87	0.955	1,690
Well- P	12/14/04	1	<3,230	3,230	1,010	--	--
Well- P	01/11/05		<162	162	95	1.02	1,580
Well- P	02/09/05		<148	148	88	--	--
Well- P	03/03/05		<158	158	92	--	--
Well- P	04/12/05		<149	149	89	--	--
Well- P	05/10/05		<148	148	87	--	--
Well- P	07/11/05		<151	151	89	--	--
Well- P	01/23/06		<150	150	89	--	--
Well- P	07/24/06		<155	155	93	--	--
Well- P	01/14/07		<154	154	92	--	--
Well- P	07/19/07		<146	146	86	--	--
Well- P	01/24/08		<137	137	81	--	--
Well- P	07/16/08		<144	144	86	--	--
Well- Q	02/06/03		<147	147	88	--	--
Well- Q	03/11/03		<142	142	85	--	--
Well- Q	03/12/03		<141	141	84	--	--
Well- Q	03/14/03		<143	143	85	--	--
Well- Q	03/19/03		<143	143	85	--	--
Well- Q	03/24/03		<143	143	85	--	--
Well- Q	04/23/03		<139	139	82	--	--
Well- Q	04/30/03		<142	142	84	--	--
Well- Q	05/06/03		<135	135	81	--	--
Well- Q	05/12/03		<144	144	84	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- Q	05/19/03		<144	144	84	--	--
Well- Q	05/30/03		<140	140	84	--	--
Well- Q	06/05/03		<139	139	83	--	--
Well- Q	06/11/03		<138	138	83	--	--
Well- Q	06/16/03		<141	141	84	--	--
Well- Q	06/23/03		<143	143	85	--	--
Well- Q	07/17/03		<141	141	85	--	--
Well- Q	08/13/03		<142	142	85	0.32	1,830
Well- Q	09/10/03		<148	148	89	0.25	1,790
Well- Q	10/07/03		<144	144	85	0.33	1,920
Well- Q	11/09/03		<142	142	86	0.32	1,930
Well- Q	01/08/04		<142	142	83	0.3	1,850
Well- Q	02/04/04		<139	139	84	--	--
Well- Q	03/22/04		<144	144	85	0.285	1,720
Well- Q	06/04/04		<156	156	91	--	--
Well- Q	08/02/04		<146	146	88	0.28	1,630
Well- Q	10/04/04		<153	153	87	--	--
Well- Q	11/03/04		<150	150	88	0.312	1,960
Well- Q	12/29/04	1	<4,020	4,020	1,420	--	--
Well- Q	01/31/05		213	142	89	--	--
Well- Q	02/15/05	1	<3,910	3,910	1,130	--	--
Well- Q	03/14/05		<151	151	91	0.30	1,730
Well- Q	03/15/05		151	151	91	--	1,730
Well- Q	04/18/05		<145	145	85	--	--
Well- Q	05/16/05		<151	151	88	--	--
Well- Q	07/19/05		<150	150	89	--	--
Well- Q	01/23/06		<150	150	90	--	--
Well- Q	07/10/06		<159	159	93	--	--
Well- Q	01/08/07		<157	157	92	--	--

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- Q	07/24/07		<146	146	86	--	--
Well- Q	01/28/08		<137	137	81	--	--
Well- Q	07/24/08		<139	139	83	--	--
Well- R	02/26/03		13,900	145	218	0.29	43
Well- R	03/03/03		7,490	140	166	0.23	37
Well- R	03/10/03		6,170	145	158	0.27	29
Well- R	03/17/03		7,270	144	168	0.27	33
Well- R	03/25/03		6,810	140	162	--	--
Well- R	04/01/03		6,740	153	169	--	--
Well- R	04/08/03		5,940	135	152	--	--
Well- R	04/14/03		5,890	142	154	--	--
Well- R	04/22/03		5,800	139	153	--	--
Well- R	04/30/03		5,260	141	148	--	--
Well- R	07/09/03		3,270	136	125	--	--
Well- R	07/25/03		2,940	141	124	--	--
Well- R	08/06/03		2,860	144	124	0.46	54
Well- R	08/20/03		2,860	142	124	0.51	48
Well- R	09/04/03		2,990	153	132	0.57	46
Well- R	09/17/03		2,800	141	122	0.47	50
Well- R	10/03/03		2,740	146	125	0.4	52
Well- R	10/21/03		2,650	140	120	--	--
Well- R	12/05/03		2,550	147	122	0.37	50
Well- R	01/22/04		2,210	143	116	--	--
Well- R	02/09/04	1	<5,390	5,390	NA	--	--
Well- R	02/09/04		2,230	140	115	--	--
Well- R	03/05/04		2,200	146	117	--	--
Well- R	04/28/04	1	<5,780	5,780	1,649	0.265	42
Well- R	05/24/04		2,420	144	120	0.30	41

Notes:

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- R	06/10/04		2,390	148	123	0.24	42
Well- R	07/08/04		2,050	147	118	--	--
Well- R	08/17/04		2,124	159	126	--	--
Well- R	09/29/04		2,000	156	122	--	--
Well- R	10/11/04		1,708	143	110	--	--
Well- R	11/08/04		1,696	151	115	--	--
Well- R	12/27/04	1	<4,053	4,053	1,290	--	--
Well- R	01/19/05		2,420	159	129	--	--
Well- R	02/09/05		2,450	150	123	0.122	45
Well- R	03/15/05		2,704	147	125	--	--
Well- R	04/11/05		2,742	157	132	--	--
Well- R	05/03/05		2,755	151	128	--	--
Well- R	06/22/05		2,736	151	127	--	--
Well- R	07/20/05		2,486	147	122	--	--
Well- R	08/16/05		2,752	155	130	--	--
Well- R	09/20/05		2,673	159	131	--	--
Well- R	10/10/05		2,435	149	123	--	--
Well- R	11/14/05		2,149	148	119	--	--
Well- R	12/13/05	1	<4,370	4,370	NA	--	--
Well- R	01/17/06		2,131	151	120	--	--
Well- R	02/21/06		2,262	153	122	--	--
Well- R	03/20/06	1	4,350	3,730	1,560	--	--
Well- R	04/11/06		2,192	160	125	--	--
Well- R	05/16/06		2,010	150	118	--	--
Well- R	06/19/06		2,067	160	124	--	--
Well- R	07/18/06		2,090	156	123	--	--
Well- R	08/08/06		1,940	148	116	--	--
Well- R	09/18/06		2,138	162	126	--	--
Well- R	10/10/06		1,943	157	121	--	--

Notes:

LLD Lower Limit of Detection

mg/L Milligrams per liter

pCi/L Picocuries per liter

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- R	11/15/06		2,395	164	132	--	--
Well- R	12/18/06		3,092	154	134	--	--
Well- R	01/13/07		3,208	154	135	--	--
Well- R	02/23/07		3,563	167	146	--	--
Well- R	03/08/07		3,487	161	143	--	--
Well- R	04/20/07		3,180	157	138	--	--
Well- R	05/15/07		2,567	138	118	--	--
Well- R	06/18/07		2,844	142	122	--	--
Well- R	07/18/07		2,862	145	124	--	--
Well- R	08/15/07		3,000	143	125	--	--
Well- R	09/20/07		3,104	144	127	--	--
Well- R	10/03/07		2,799	149	129	--	--
Well- R	11/14/07		3,029	141	124	--	--
Well- R	12/12/07		2,951	145	125	--	--
Well- R	01/17/08		2,892	140	122	--	--
Well- R	02/06/08		2,941	150	128	--	--
Well- R	03/18/08		3,159	150	131	--	--
Well- R	04/02/08		3,294	154	134	--	--
Well- R	05/08/08		3,173	155	133	--	--
Well- R	06/19/08		3,196	135	122	--	--
Well- R	07/07/08		3,077	140	124	--	--
Well- R	08/06/08		3,158	142	126	--	--
Well- R	09/02/08		3,075	134	120	--	--
Well- R	11/19/08		2,998	149	128	--	--
Well- R	12/15/08		3,075	150	129	--	--
Well- S	07/09/03		3,530,000	134	3,120	--	--
Well- S	08/07/03	1	2,920,000	NA	NA	--	--
Well- S	08/21/03	1	2,570,000	NA	NA	--	--

Notes:

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-S	09/03/03	1	2,390,000	NA	NA	--	--
Well-S	09/15/03	1	2,340,000	NA	NA	--	--
Well-S	10/04/03	1	2,180,000	NA	NA	--	--
Well-S	10/13/03	1	2,030,000	NA	NA	--	--
Well-S	10/20/03	1	2,030,000	NA	NA	--	--
Well-S	10/20/03	1	2,060,000	NA	NA	--	--
Well-S	11/09/03	1	1,960,000	NA	NA	--	--
Well-S	11/09/03	1	1,790,000	NA	NA	--	--
Well-S	11/09/03	1	2,040,000	NA	NA	--	--
Well-S	11/26/03	1	2,660,000	NA	NA	--	--
Well-S	01/20/04	1	1,420,000	NA	NA	--	--
Well-S	02/17/04	1	1,250,000	NA	NA	--	--
Well-S	03/18/04	1	1,220,000	NA	NA	--	--
Well-S	04/06/04	1	1,160,000	4,706	15,206	--	--
Well-S	05/04/04	1	1,100,000	5,589	15,212	44.5	35
Well-S	05/19/04	1	889,000	5,780	13,380	--	--
Well-S	06/25/04	1	1,020,000	5,270	14,500	--	--
Well-S	07/13/04	1	955,000	3,620	13,800	--	--
Well-S	08/09/04	1	856,000	4,850	13,000	--	45
Well-S	09/13/04	1	845,000	4,560	13,000	--	--
Well-S	11/08/04	1	820,000	3,230	12,800	--	--
Well-S	12/28/04	1	661,000	4,060	11,300	--	--
Well-S	01/11/05	1	753,000	3,910	12,100	--	--
Well-S	02/15/05	1	724,000	3,910	11,900	--	--
Well-S	03/07/05	1	364,000	3,490	8,570	--	--
Well-S	03/14/05	1	175,000	4,320	6,110	--	--
Well-S	03/23/05	1	182,000	3,790	6,190	--	--
Well-S	03/28/05	1	40,500	6,280	3,540	--	--
Well-S	04/18/05	1	326,000	4,420	8,380	--	--

Notes:

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- S	10/17/05	1	90,200	3,790	4,570	--	--
Well- S	11/15/05	1	64,700	3,430	3,840	--	--
Well- S	12/12/05		64,904	155	446	--	--
Well- T	07/10/03		<147	147	88	--	--
Well- T	07/15/03		<140	140	82	--	--
Well- T	07/30/03		<141	141	86	--	--
Well- T	08/12/03		<140	140	83	0.64	931
Well- T	08/28/03		<141	141	83	0.66	896
Well- T	09/09/03		<147	147	88	0.63	899
Well- T	09/25/03		<142	142	84	0.63	912
Well- T	10/06/03		<146	146	86	0.65	966
Well- T	12/12/03		<149	149	88	--	--
Well- T	03/22/04		<142	142	84	0.649	986
Well- T	04/12/04		<141	141	84	0.762	920
Well- T	07/07/04		148	148	87	--	--
Well- T	08/02/04		<152	152	91	0.622	894
Well- T	08/31/04		<147	147	87	--	--
Well- T	09/22/04		<146	146	87	--	--
Well- T	10/11/04		<155	155	91	--	--
Well- T	11/09/04		<148	148	87	--	--
Well- T	12/21/04	1	<3,910	3,910	1,340	--	--
Well- T	01/10/05		<165	165	96	--	--
Well- T	02/01/05		137	135	83	0.638	945
Well- T	03/03/05		<152	152	90	--	--
Well- T	04/05/05		<148	148	90	--	--
Well- T	05/09/05		<144	144	86	--	--
Well- T	07/05/05		<145	145	86	--	--
Well- T	10/03/05		<149	149	90	--	--

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- T	01/09/06		<154	154	90	--	--
Well- T	04/03/06		<162	162	96	--	--
Well- T	07/10/06		<161	161	95	--	--
Well- T	10/05/06		<161	161	95	--	--
Well- T	10/06/06	1	<6,270	6,270	NA	--	--
Well- T	01/23/07		193	152	94	--	--
Well- T	04/11/07		<168	168	101	--	--
Well- T	07/12/07		<147	147	86	--	--
Well- T	10/09/07		<152	152	91	--	--
Well- T	01/16/08		<141	141	85	--	--
Well- T	04/22/08		<145	145	85	--	--
Well- T	07/16/08		<130	130	77	--	--
Well- T	10/21/08		<146	146	86	--	--
Well- U	07/10/03		<136	136	83	--	--
Well- U	07/16/03		146	NA	86	--	--
Well- U	07/29/03		<141	141	96	--	--
Well- U	08/12/03		<139	139	84	0.34	139
Well- U	08/27/03		<143	143	87	0.35	144
Well- U	09/09/03		148	147	90	0.38	139
Well- U	09/25/03		<139	139	83	0.34	155
Well- U	10/06/03		203	145	90	0.35	140
Well- U	12/12/03		<148	148	86	--	--
Well- U	03/22/04		<144	144	88	0.38	168
Well- U	04/12/04		182	136	84	0.392	146
Well- U	07/07/04		162	150	92	--	--
Well- U	08/02/04		<152	152	91	0.346	143
Well- U	08/31/04		<148	148	90	--	--
Well- U	09/22/04		167	152	93	--	--

Notes:

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- U	10/04/04		<146	146	87	--	--
Well- U	11/03/04		165	148	91	--	--
Well- U	12/06/04	1	<4,520	4,520	1,160	--	--
Well- U	01/10/05		<157	157	93	--	--
Well- U	02/08/05		<149	149	91	0.377	156
Well- U	03/03/05		<147	147	88	--	--
Well- U	04/05/05		<142	142	86	--	--
Well- U	05/09/05		<148	148	90	--	--
Well- U	07/05/05		<143	143	87	--	--
Well- U	10/03/05		284	150	94	--	--
Well- U	01/09/06		<157	157	94	--	--
Well- U	04/03/06		<154	154	93	--	--
Well- U	04/06/06	1	<5,000	5,000	NA	--	--
Well- U	07/10/06		<157	157	95	--	--
Well- U	10/05/06		<160	160	98	--	--
Well- U	10/06/06	1	<6,270	6,270	NA	--	--
Well- U	01/22/07		163	152	93	--	--
Well- U	04/11/07		<167	167	102	--	--
Well- U	07/12/07		<150	150	91	--	--
Well- U	10/09/07		<153	153	92	--	--
Well- U	01/16/08		<138	138	84	--	--
Well- U	05/28/08		<148	148	90	--	--
Well- U	07/16/08		189	128	79	--	--
Well- U	10/20/08		<145	145	88	--	--
Well- V	07/21/03		334	140	89	--	--
Well- V	07/29/03		285	142	89	--	--
Well- V	08/12/03		278	142	89	0.5	568
Well- V	08/27/03		338	141	90	0.61	584

Notes:

LLD Lower Limit of Detection

mg/L Milligrams per liter

pCi/L Picocuries per liter

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- V	09/09/03		337	150	95	0.57	582
Well- V	09/25/03		261	140	87	0.47	670
Well- V	10/06/03		185	144	89	0.46	543
Well- V	11/19/03	1	<3,300	3,300	NA	--	--
Well- V	12/12/03		207	147	91	--	--
Well- V	03/22/04		290	144	90	0.46	556
Well- V	04/12/04		316	137	87	0.529	567
Well- V	07/07/04		228	145	90	--	--
Well- V	08/02/04		309	154	97	0.433	504
Well- V	08/31/04		395	151	96	--	--
Well- V	09/22/04		402	141	91	--	--
Well- V	10/04/04		340	146	92	--	--
Well- V	11/03/04		224	143	89	--	--
Well- V	12/06/04	1	<4,170	4,170	1,360	--	--
Well- V	01/10/05		394	151	96	--	--
Well- V	02/08/05		307	152	95	--	--
Well- V	03/03/05		157	156	95	0.436	431
Well- V	04/05/05		294	141	89	--	--
Well- V	05/09/05		244	155	96	--	--
Well- V	07/05/05		197	144	89	--	--
Well- V	10/03/05		346	147	93	--	--
Well- V	01/09/06		264	157	98	--	--
Well- V	04/03/06		<152	152	93	--	--
Well- V	07/10/06		181	157	96	--	--
Well- V	10/05/06		<159	159	95	--	--
Well- V	01/22/07		199	157	97	--	--
Well- V	04/11/07		154	149	92	--	--
Well- V	07/12/07		163	153	94	--	--
Well- V	10/09/07		170	153	94	--	--

Notes:

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- V	01/16/08		176	139	86	--	--
Well- V	05/28/08		186	147	90	--	--
Well- V	07/16/08		164	130	80	--	--
Well- V	10/20/08		195	145	89	--	--
Well- W	07/07/03		10,500	135	189	--	--
Well- W	07/21/03		11,100	140	196	--	--
Well- W	08/06/03		11,500	141	200	0.46	211
Well- W	08/07/03	1	6,010	NA	NA	--	--
Well- W	08/19/03		10,700	142	194	0.59	215
Well- W	09/03/03		10,500	143	192	0.53	222
Well- W	09/15/03		10,900	140	195	0.57	237
Well- W	10/03/03		11,100	147	202	0.46	240
Well- W	10/21/03		10,600	147	195	--	--
Well- W	11/17/03	1	12,200	NA	NA	--	--
Well- W	11/19/03	1	13,200	NA	NA	--	--
Well- W	12/16/03	1	15,500	NA	NA	--	--
Well- W	12/16/03		15,200	147	226	--	--
Well- W	01/14/04		17,100	144	232	--	--
Well- W	02/02/04		19,600	144	251	--	--
Well- W	03/03/04		5,320	146	151	0.28	273
Well- W	04/29/04		4,570	140	140	0.14	212
Well- W	05/10/04		2,350	141	117	--	--
Well- W	05/24/04		4,080	146	139	--	--
Well- W	06/24/04		5,300	141	149	--	--
Well- W	07/28/04		11,691	154	208	--	--
Well- W	08/02/04		11,910	148	204	--	--
Well- W	08/31/04		11,091	160	211	--	--
Well- W	09/22/04		9,571	138	186	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- W	10/11/04		9,947	147	194	--	--
Well- W	11/08/04		8,920	150	186	0.487	309
Well- W	12/14/04	1	5,560	3,230	1,390	--	--
Well- W	01/10/05		6,292	150	165	0.681	273
Well- W	02/01/05		7,340	159	178	--	--
Well- W	03/02/05		5,756	150	158	3.33	27
Well- W	04/05/05		8,826	155	192	--	--
Well- W	05/02/05		12,339	147	209	--	--
Well- W	06/06/05		11,480	154	207	--	--
Well- W	07/06/05		16,672	149	239	--	--
Well- W	08/01/05		14,920	149	227	--	--
Well- W	09/06/05		17,419	154	247	--	--
Well- W	10/03/05		12,455	149	211	--	--
Well- W	11/14/05	1	23,400	3,430	2,460	--	--
Well- W	12/20/05	1	31,200	3,430	2,830	--	--
Well- W	01/17/06	1	46,200	3,550	3,380	--	--
Well- W	02/07/06	1	49,800	3,090	3,470	--	--
Well- W	02/21/06	1	52,600	3,920	3,620	--	--
Well- W	03/07/06	1	56,200	3,310	3,750	--	--
Well- W	03/20/06	1	56,900	3,730	3,850	--	--
Well- W	04/03/06	1	50,300	5,000	3,880	--	--
Well- W	04/17/06	1	58,400	5,510	4,240	--	--
Well- W	05/02/06	1	46,700	5,000	3,800	--	--
Well- W	05/15/06	1	46,700	5,000	3,870	--	--
Well- W	06/06/06		44,179	155	374	--	--
Well- W	06/19/06	1	38,600	4,890	3,500	--	--
Well- W	07/10/06		3,755	161	144	--	--
Well- W	07/24/06		1,234	152	109	--	--
Well- W	08/07/06		3,471	158	139	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- W	08/21/06		5,284	162	162	--	--
Well- W	09/07/06		12,991	158	220	--	--
Well- W	09/18/06		15,311	166	242	--	--
Well- W	10/09/06		18,859	166	266	--	--
Well- W	10/24/06		9,929	155	194	--	--
Well- W	11/01/06		12,968	170	231	--	--
Well- W	11/15/06		14,464	171	245	--	--
Well- W	12/07/06		10,046	184	220	--	--
Well- W	12/19/06		15,062	139	221	--	--
Well- W	01/13/07		18,705	152	259	--	--
Well- W	02/05/07		24,113	147	278	--	--
Well- W	03/08/07		5,838	165	169	--	--
Well- W	04/20/07		1,616	159	120	--	--
Well- W	06/18/07		1,530	142	107	--	--
Well- W	07/18/07		2,462	147	121	--	--
Well- W	08/15/07		3,000	147	127	--	--
Well- W	09/20/07		6,562	149	164	--	--
Well- W	10/03/07		12,492	165	229	--	--
Well- W	11/14/07		13,071	123	202	--	--
Well- W	12/12/07		13,940	147	216	--	--
Well- W	01/17/08		10,203	140	186	--	--
Well- W	02/06/08		6,988	141	162	--	--
Well- W	03/18/08		2,507	137	116	--	--
Well- W	04/02/08		4,169	157	145	--	--
Well- W	05/08/08		4,545	146	142	--	--
Well- W	06/19/08		5,909	135	149	--	--
Well- W	07/07/08		6,880	127	153	--	--
Well- W	08/06/08		1,966	132	106	--	--
Well- W	09/02/08		2,535	134	114	--	--

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- W	11/18/08		2,919	133	118	--	--
Well- W	12/15/08		2,996	139	123	--	--
Well- X	08/20/03	1	<4,820	4,820	NA	--	--
Well- X	07/20/05		1,500	NA	NA	--	--
Well- Y	10/27/03		<142	142	85	--	--
Well- Y	11/09/03		<143	143	85	--	--
Well- Y	11/19/03	1	<3,750	3,750	NA	--	--
Well- Y	11/25/03		<141	141	85	0.82	1,070
Well- Y	12/12/03		<148	148	87	--	--
Well- Y	12/22/03		<147	147	87	--	--
Well- Y	01/06/04		<142	142	85	--	--
Well- Y	02/02/04		<145	145	84	--	--
Well- Y	02/02/04	1	<5,390	5,390	NA	--	--
Well- Y	03/23/04		145	145	86	--	--
Well- Y	04/07/04		<136	136	82	0.83	1,080
Well- Y	05/10/04		143	143	85	--	--
Well- Y	06/24/04		141	141	86	0.82	1,060
Well- Y	07/28/04		<156	156	90	--	--
Well- Y	08/02/04		<157	157	94	--	--
Well- Y	08/31/04		<145	145	87	--	--
Well- Y	09/08/04		<158	158	94	--	--
Well- Y	10/11/04		<162	162	96	--	--
Well- Y	11/08/04		<151	151	88	--	--
Well- Y	12/13/04	.1	<3,230	3,230	1,150	--	--
Well- Y	01/10/05		<162	162	94	0.801	1,160
Well- Y	02/01/05		<154	154	92	--	--
Well- Y	03/07/05		<149	149	89	--	--
Well- Y	04/06/05		<144	144	84	0.761	1,190

Notes:

- LLD Lower Limit of Detection
- mg/L Milligrams per liter
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- 762 Constituent was detected above the laboratory method detection limit.
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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- Y	05/25/05		<155	155	92	--	1,230
Well- Y	06/07/05		<155	155	92	--	--
Well- Y	07/20/05		<159	159	93	--	1,270
Well- Y	08/01/05		<149	149	89	--	1,290
Well- Y	09/07/05		<149	149	89	--	--
Well- Y	10/04/05		<151	151	91	--	--
Well- Y	11/01/05		<155	155	93	--	--
Well- Y	12/13/05		<151	151	91	--	--
Well- Y	01/17/06		<157	157	94	--	--
Well- Y	02/07/06		<161	161	94	--	--
Well- Y	03/07/06		<158	158	93	--	--
Well- Y	04/04/06		<173	173	101	--	--
Well- Y	05/02/06		<156	156	91	--	--
Well- Y	05/16/06		<152	152	90	--	--
Well- Y	06/06/06		<159	159	93	--	--
Well- Y	06/19/06		<165	165	97	--	--
Well- Y	07/11/06		<160	160	96	--	--
Well- Y	07/24/06		<155	155	92	--	--
Well- Y	08/07/06		<155	155	93	--	--
Well- Y	08/22/06		<157	157	96	--	--
Well- Y	09/07/06		<157	157	94	--	--
Well- Y	09/19/06		<161	161	95	--	--
Well- Y	10/09/06		<171	171	102	--	--
Well- Y	10/24/06		<171	171	100	--	--
Well- Y	11/01/06		<166	166	100	--	--
Well- Y	11/15/06		<166	166	98	--	--
Well- Y	12/07/06		<193	193	109	--	--
Well- Y	12/18/06		<157	157	92	--	--
Well- Y	01/14/07		<155	155	93	--	--

Notes:

LLD Lower Limit of Detection

mg/L Milligrams per liter

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-- Constituent not analyzed.

Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- Y	02/20/07		<165	165	97	--	--
Well- Y	03/14/07		<162	162	94	--	--
Well- Y	04/19/07		<163	163	97	--	--
Well- Y	05/16/07		<180	180	101	--	--
Well- Y	06/19/07		<149	149	87	--	--
Well- Y	07/12/07		<155	155	91	--	--
Well- Y	08/16/07		<146	146	87	--	--
Well- Y	09/20/07		<146	146	88	--	--
Well- Y	10/04/07		<154	154	91	--	--
Well- Y	11/20/07		<149	149	90	--	--
Well- Y	12/20/07		<140	140	82	--	--
Well- Y	03/13/08		<138	138	82	--	--
Well- Y	04/22/08		<146	146	86	--	--
Well- Y	05/15/08		<148	148	87	--	--
Well- Y	06/24/08		<147	147	87	--	--
Well- Y	07/17/08		<138	138	83	--	--
Well- Y	08/19/08		<134	134	79	--	--
Well- Y	09/03/08		<134	134	79	--	--
Well- Y	10/18/08		<133	133	80	--	--
Well- Y	11/21/08		<131	131	78	--	--
Well- Y	12/23/08		<132	132	78	--	--
Well- Z	10/27/03		573	142	94	--	--
Well- Z	11/09/03		<140	140	92	--	--
Well- Z	11/19/03	1	<3,500	3,500	NA	--	--
Well- Z	11/24/03		583	141	93	0.5	519
Well- Z	12/12/03		621	141	94	--	--
Well- Z	12/22/03		659	140	94	--	--
Well- Z	01/06/04		648	142	95	--	--

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- Z	02/02/04		538	145	95	--	--
Well- Z	03/23/04		412	144	92	--	--
Well- Z	04/07/04		580	137	91	0.5	531
Well- Z	05/10/04		561	142	93	--	--
Well- Z	06/24/04		474	147	95	0.51	510
Well- Z	07/28/04		519	150	97	--	--
Well- Z	07/29/04		519	150	97	--	--
Well- Z	08/02/04		706	159	106	--	--
Well- Z	08/31/04		585	152	100	--	--
Well- Z	09/08/04		444	141	91	--	--
Well- Z	10/11/04		268	144	90	--	--
Well- Z	11/08/04		339	155	98	0.491	548
Well- Z	12/13/04	1	<3,230	3,230	1,060	--	--
Well- Z	01/10/05		249	159	99	--	--
Well- Z	02/01/05		228	153	95	--	--
Well- Z	03/07/05		192	153	94	0.535	688
Well- Z	04/06/05		274	165	103	0.506	716
Well- Z	05/25/05		<149	149	91	--	635
Well- Z	06/07/05		182	149	91	--	--
Well- Z	07/20/05		177	158	97	--	702
Well- Z	08/01/05		202	147	91	--	696
Well- Z	08/16/05		<160	160	98	--	--
Well- Z	08/29/05		186	149	91	--	--
Well- Z	09/07/05		201	149	92	--	--
Well- Z	09/19/05		<156	156	94	--	--
Well- Z	10/04/05		271	148	93	--	--
Well- Z	10/18/05		<153	153	93	--	--
Well- Z	11/01/05		<158	158	94	--	--
Well- Z	12/13/05		<157	157	96	--	--

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- Z	01/17/06		<153	153	93	--	--
Well- Z	02/07/06		240	149	93	--	--
Well- Z	02/21/06		238	152	94	--	--
Well- Z	03/07/06	1	<3,310	3,310	NA	--	--
Well- Z	03/20/06	1	<3,730	3,730	NA	--	--
Well- Z	04/04/06		<177	177	108	--	--
Well- Z	04/17/06		<160	160	96	--	--
Well- Z	05/02/06		<153	153	93	--	--
Well- Z	05/16/06		<151	151	93	--	--
Well- Z	06/06/06		<163	163	99	--	--
Well- Z	06/19/06		<155	155	94	--	--
Well- Z	07/11/06		194	159	98	--	--
Well- Z	07/24/06		211	151	93	--	--
Well- Z	08/07/06		<157	157	96	--	--
Well- Z	08/22/06		217	161	99	--	--
Well- Z	09/07/06		<160	160	97	--	--
Well- Z	09/19/06		<163	163	99	--	--
Well- Z	10/09/06		<160	160	95	--	--
Well- Z	10/24/06		<160	160	97	--	--
Well- Z	11/01/06		<162	162	97	--	--
Well- Z	11/15/06		248	155	96	--	--
Well- Z	12/07/06		<203	203	120	--	--
Well- Z	12/18/06		<175	175	107	--	--
Well- Z	01/14/07		<155	155	94	--	--
Well- Z	02/20/07		<152	152	91	--	--
Well- Z	03/14/07		<164	164	98	--	--
Well- Z	04/19/07		217	160	99	--	--
Well- Z	05/16/07		<143	143	85	--	--
Well- Z	06/19/07		154	148	90	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well- Z	07/12/07		<150	150	90	--	--
Well- Z	08/16/07		<146	146	88	--	--
Well- Z	09/20/07		156	145	89	--	--
Well- Z	10/04/07		173	153	94	--	--
Well- Z	11/20/07		<147	147	90	--	--
Well- Z	12/20/07		<138	138	83	--	--
Well- Z	03/13/08		<137	137	84	--	--
Well- Z	04/22/08		<143	143	86	--	--
Well- Z	05/15/08		<148	148	89	--	--
Well- Z	06/24/08		136	136	83	--	--
Well- Z	07/17/08		<138	138	84	--	--
Well- Z	08/19/08		173	134	83	--	--
Well- Z	09/03/08		195	134	83	--	--
Well- Z	10/18/08		278	132	83	--	--
Well- Z	11/21/08		289	132	83	--	--
Well- Z	12/23/08		253	133	83	--	--
Well-AA	10/27/03		613	141	93	--	--
Well-AA	11/10/03		645	141	94	--	--
Well-AA	11/19/03	1	3,750	NA	NA	--	--
Well-AA	11/24/03		639	145	96	0.25	253
Well-AA	12/10/03		785	141	96	--	--
Well-AA	12/22/03		682	142	95	--	--
Well-AA	01/06/04		713	141	95	--	--
Well-AA	02/09/04		1,130	139	100	--	--
Well-AA	02/19/04	1	<5,390	5,390	NA	--	--
Well-AA	03/18/04		2,610	140	120	--	--
Well-AA	04/12/04		3,140	140	126	2.40E-01	169
Well-AA	05/03/04	1	<5,590	5,590	1,770	--	--

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			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AA	05/19/04	1	<3,320	3,320	1,198	<3.3	168
Well-AA	06/23/04		4,376	142	141	<3.33	138
Well-AA	07/29/04		1,650	156	118	--	--
Well-AA	08/02/04		1,580	148	112	--	--
Well-AA	08/31/04		1,543	159	118	--	--
Well-AA	09/08/04		1,512	152	113	--	--
Well-AA	10/11/04		1,529	146	110	--	--
Well-AA	11/08/04		1,927	152	118	0.59	147
Well-AA	12/14/04	1	<3,230	3,230	1,130	--	--
Well-AA	01/11/05		6,640	151	168	--	--
Well-AA	02/02/05		11,100	154	205	--	--
Well-AA	02/02/05		11,150	155	205	--	--
Well-AA	03/07/05		20,751	142	260	0.036	152
Well-AA	04/06/05	1	35,700	4,220	2,970	--	--
Well-AA	05/02/05	1	22,800	3,320	2,310	--	--
Well-AA	06/06/05		16,136	150	235	--	--
Well-AA	07/06/05		14,547	150	226	--	--
Well-AA	08/01/05		13,174	155	220	--	--
Well-AA	09/06/05		15,887	150	234	--	--
Well-AA	09/07/05	1	13,500	4,940	2,271	--	--
Well-AA	10/03/05		10,930	148	199	--	--
Well-AA	11/01/05		8,911	159	189	--	--
Well-AA	12/08/05		5,255	147	151	--	--
Well-AA	01/10/06		6,416	159	168	--	--
Well-AA	02/06/06		5,683	182	177	--	--
Well-AA	03/06/06		4,251	157	146	--	--
Well-AA	04/04/06		3,483	158	140	--	--
Well-AA	05/01/06		3,625	149	137	--	--
Well-AA	06/06/06		2,813	168	138	--	--

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			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AA	07/17/06		2,745	162	133	--	--
Well-AA	08/08/06		2,647	157	129	--	--
Well-AA	09/06/06		2,651	158	130	--	--
Well-AA	10/09/06		2,302	158	126	--	--
Well-AA	11/02/06		2,413	167	133	--	--
Well-AA	12/08/06		1,847	179	134	--	--
Well-AA	01/13/07		2,236	161	128	--	--
Well-AA	02/05/07		1,518	147	110	--	--
Well-AA	03/07/07		1,871	155	120	--	--
Well-AA	04/19/07		1,805	158	121	--	--
Well-AA	05/15/07		1,422	167	120	--	--
Well-AA	06/18/07		1,336	144	105	--	--
Well-AA	07/13/07		1,569	148	110	--	--
Well-AA	08/15/07		1,423	144	106	--	--
Well-AA	09/19/07		1,238	150	107	--	--
Well-AA	10/03/07		1,460	161	119	--	--
Well-AA	11/14/07		1,166	141	103	--	--
Well-AA	12/12/07		1,521	137	104	--	--
Well-AA	01/23/08		1,570	142	107	--	--
Well-AA	02/21/08		1,414	140	104	--	--
Well-AA	03/12/08		1,569	138	105	--	--
Well-AA	04/01/08		1,536	151	112	--	--
Well-AA	05/08/08		1,474	146	108	--	--
Well-AA	06/19/08		1,498	146	108	--	--
Well-AA	07/07/08		1,423	138	103	--	--
Well-AA	08/07/08		1,459	131	99	--	--
Well-AA	09/02/08		1,475	134	101	--	--
Well-AA	10/17/08		1,360	135	100	--	--
Well-AA	11/18/08		1,381	131	98	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AA	12/15/08		1,456	135	101	--	--
Well-AB	10/28/03	1	292.000	NA	NA	--	--
Well-AB	11/02/03	1	280.000	NA	NA	--	--
Well-AB	11/19/03	1	321.000	NA	NA	--	--
Well-AB	12/04/03	1	409.000	NA	NA	--	--
Well-AB	12/16/03	1	396.000	NA	NA	--	--
Well-AB	12/16/03	1	489.000	NA	NA	--	--
Well-AB	01/14/04	1	281.000	NA	NA	--	--
Well-AB	02/17/04	1	215.000	NA	NA	--	--
Well-AB	03/03/04	1	193.000	NA	NA	--	--
Well-AB	04/06/04	1	260.000	4,706	7,380	--	--
Well-AB	05/04/04	1	136.000	5,589	5,817	9.3	134
Well-AB	05/11/04	1	144.000	5,392	5,967	--	--
Well-AB	05/19/04	1	172.000	5,780	6,108	<3.3	292
Well-AB	05/24/04	1	213.000	4,563	6,779	--	--
Well-AB	06/03/04	1	210.000	4,563	6,746	<3.3	105
Well-AB	06/17/04	1	194.000	5,666	6,509	--	--
Well-AB	07/07/04	1	202.000	3,360	6,330	--	--
Well-AB	07/12/04	1	206.000	3,620	6,380	--	--
Well-AB	07/19/04	1	195.000	2,870	6,160	8.12	156
Well-AB	07/28/04	1	213.000	4,280	6,600	--	--
Well-AB	08/02/04	1	184.000	4,420	6,120	--	--
Well-AB	08/09/04	1	164.000	4,850	5,840	--	214
Well-AB	08/16/04	1	150.000	3,320	5,490	--	--
Well-AB	08/25/04	1	171.000	3,030	5,880	--	--
Well-AB	09/01/04	1	189.000	4,520	6,220	--	--
Well-AB	09/08/04	1	165.000	3,790	5,750	--	--
Well-AB	09/13/04	1	170.000	4,560	5,980	15.90	212

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- Constituent not analyzed.

Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AB	09/22/04	1	166.000	5,230	5,910	--	--
Well-AB	10/04/04	1	152.000	3,320	6,000	--	--
Well-AB	10/12/04	1	152.000	2,220	5,520	--	--
Well-AB	10/18/04	1	142.000	3,230	5,340	--	--
Well-AB	11/03/04	1	167.000	2,720	5,850	--	--
Well-AB	11/08/04	1	156.000	3,230	5,650	--	--
Well-AB	11/15/04	1	161.000	3,910	5,800	--	--
Well-AB	11/29/04	1	163.000	2,650	5,730	--	--
Well-AB	12/13/04	1	146.000	3,230	5,410	--	--
Well-AB	01/11/05	1	142.000	3,910	5,330	--	--
Well-AB	01/27/05	1	160.000	2,470	5,650	--	--
Well-AB	01/31/05	1	156.000	4,560	5,770	--	--
Well-AB	02/01/05	1	155.000	2,650	5,630	--	--
Well-AB	02/08/05	1	141.000	4,660	5,560	--	--
Well-AB	03/02/05		151.376	144	664	--	--
Well-AB	03/07/05	1	160.000	3,490	5,770	--	--
Well-AB	03/14/05	1	158.000	4,320	5,760	--	--
Well-AB	03/23/05	1	163.000	3,790	5,830	--	--
Well-AB	03/28/05	1	153.000	6,280	5,920	--	--
Well-AB	04/18/05	1	135.000	4,420	5,470	--	--
Well-AB	05/18/05	1	224.000	3,490	7,050	--	--
Well-AB	06/22/05	1	97.300	3,750	4,460	--	--
Well-AB	08/15/05	1	71.900	3,905	3,950	--	--
Well-AB	10/17/05	1	59.200	3,790	3,730	--	--
Well-AB	11/15/05	1	60.800	3,430	3,740	--	--
Well-AB	12/12/05	1	52.900	4,370	3,600	--	--
Well-AB	01/24/06	1	49.200	3,550	3,480	--	--
Well-AB	02/23/06	1	38.900	3,920	3,200	--	--
Well-AB	03/21/06	1	48.500	3,730	3,580	--	--

Notes:

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AB	04/17/06	1	52,300	5,510	3,990	--	--
Well-AB	05/15/06	1	39,800	5,000	3,590	--	--
Well-AB	06/20/06	1	43,100	4,890	3,680	--	--
Well-AB	07/24/06	1	40,800	5,470	3,540	--	--
Well-AB	09/21/06	1	42,300	7,550	3,700	--	--
Well-AB	01/23/07		5,014	159	158	--	--
Well-AB	02/06/07		41,865	172	387	--	--
Well-AB	06/19/07		33,171	145	316	--	--
Well-AB	08/23/07		26,139	141	283	--	--
Well-AB	09/20/07		25,081	148	283	--	--
Well-AB	10/17/07		23,146	151	286	--	--
Well-AB	10/07/08		1,294	150	108	--	--
Well-AC	10/28/03	1	10,900,000	NA	NA	253	31
Well-AC	11/03/03					332	--
Well-AC	11/03/03	1	14,200,000	NA	NA	332	30
Well-AC	11/18/03	1	14,400,000	NA	NA	--	--
Well-AC	11/18/03	1	14,200,000	NA	NA	--	--
Well-AC	12/18/03	1	15,000,000	NA	NA	--	--
Well-AC	01/20/04	1	10,700,000	NA	NA	--	--
Well-AC	02/18/04	1	9,170,000	NA	NA	--	--
Well-AC	03/18/04	1	6,360,000	NA	NA	--	--
Well-AC	04/08/04	1	6,560,000	5,822	36,309	--	--
Well-AC	06/04/04	1	3,400,000	6,283	26,713	<3.3	12
Well-AC	07/07/04	1	2,770,000	3,360	23,200	--	--
Well-AC	07/28/04	1	3,200,000	4,280	25,100	--	--
Well-AC	08/02/04	1	2,840,000	3,320	23,400	--	--
Well-AC	08/09/04	1	2,230,000	4,850	20,900	17.90	71
Well-AC	08/16/04	1	2,150,000	3,320	20,400	--	--

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AC	08/25/04	1	2,040,000	3,030	19,900	--	--
Well-AC	09/01/04	1	1,940,000	4,520	19,400	--	--
Well-AC	01/11/05	1	699,000	3,910	11,600	--	--
Well-AC	01/17/05	1	680,000	3,360	11,600	--	--
Well-AC	02/09/05	1	614,000	4,660	11,200	--	--
Well-AC	04/29/05	1	32,400	3,320	2,650	--	--
Well-AC	05/24/05	1	34,100	3,320	2,760	--	--
Well-AC	06/16/05	1	26,300	3,750	2,520	--	--
Well-AC	07/29/05	1	22,400	3,320	2,340	--	--
Well-AC	08/18/05	1	219,000	4,753	6,877	--	--
Well-AC	09/26/05	1	47,300	4,220	3,390	--	--
Well-AC	11/21/05	1	21,300	4,370	2,520	--	--
Well-AC	12/12/05	1	44,100	4,370	3,340	--	--
Well-AC	01/12/06	1	29,100	3,550	2,770	--	--
Well-AC	02/28/06		16,730	153	239	--	--
Well-AC	03/23/06	1	35,300	5,000	3,360	--	--
Well-AC	06/16/06		13,932	158	226	--	--
Well-AC	07/14/06		9,709	152	192	--	--
Well-AC	08/23/06	1	115,000	5,100	5,340	--	--
Well-AC	09/27/06		13,686	159	224	--	--
Well-AC	11/17/06		25,401	143	284	--	--
Well-AC	12/28/06	1	31,500	3,730	3,010	--	--
Well-AC	01/22/07		21,717	159	280	--	--
Well-AC	02/12/07		31,231	151	319	--	--
Well-AC	03/27/07		20,137	151	265	--	--
Well-AC	04/23/07		25,990	169	316	--	--
Well-AC	05/10/07		20,809	178	287	--	--
Well-AC	06/19/07		22,914	147	268	--	--
Well-AC	07/30/07		26,067	149	286	--	--

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AC	08/28/07		31.152	144	308	--	--
Well-AC	10/30/07		40.898	158	370	--	--
Well-AC	11/27/07		31.460	123	300	--	--
Well-AC	12/29/07	1	53.500	4,780	4,010	--	--
Well-AC	03/30/08	1	51.100	4,540	3,780	--	--
Well-AC	04/29/08	1	73.300	4,190	4,400	--	--
Well-AC	05/30/08		28.584	140	289	--	--
Well-AC	06/18/08		26.056	135	272	--	--
Well-AC	07/21/08		25.830	139	277	--	--
Well-AC	08/21/08		24.575	128	264	--	--
Well-AC	09/22/08		23.562	145	267	--	--
Well-AC	10/30/08		23.497	144	268	--	--
Well-AC	11/25/08		24.419	133	266	--	--
Well-AC	12/15/08		26.934	152	294	--	--
Well-AD	10/27/03	1	244.000	NA	NA	--	--
Well-AD	11/02/03	1	242.000	NA	NA	--	--
Well-AD	11/17/03	1	225.000	NA	NA	--	--
Well-AD	12/04/03	1	492.000	NA	NA	--	--
Well-AD	12/04/03	1	392.000	NA	NA	--	--
Well-AD	12/16/03	1	487.000	NA	NA	--	--
Well-AD	12/16/03	1	490.000	NA	NA	--	--
Well-AD	01/14/04	1	220.000	NA	NA	--	--
Well-AD	02/17/04	1	400.000	NA	NA	--	--
Well-AD	03/03/04	1	420.000	NA	NA	--	--
Well-AD	04/06/04	1	542.000	4,706	10,418	--	--
Well-AD	05/04/04	1	624.000	5,589	11,649	5.8	65
Well-AD	05/11/04	1	599.000	5,392	11,469	--	--
Well-AD	05/19/04	1	610.000	5,780	11,152	<3.3	109

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AD	06/03/04	1	744.000	4,563	12,461	<3.3	71
Well-AD	06/17/04	1	786.000	5,666	12,887	--	--
Well-AD	07/07/04	1	719.000	3,360	11,900	--	--
Well-AD	07/12/04	1	772.000	3,620	12,300	--	--
Well-AD	07/19/04	1	746.000	2,870	12,100	12.00	81
Well-AD	07/28/04	1	784.000	4,280	12,500	--	--
Well-AD	08/02/04	1	801.000	3,030	12,600	--	--
Well-AD	08/09/04	1	754.000	4,850	1,230	12.80	90
Well-AD	08/16/04	1	844.000	3,320	13,000	--	--
Well-AD	12/28/04	1	<4,060	4,060	1,130	--	--
Well-AD	03/02/05	1	672.000	3,670	11,700	--	--
Well-AD	03/07/05	1	613.000	3,490	11,300	--	--
Well-AD	03/14/05	1	717.000	4,320	12,100	--	--
Well-AD	03/23/05	1	558.000	3,790	10,700	--	--
Well-AD	03/28/05	1	42.200	6,280	3,640	--	--
Well-AD	04/18/05	1	481.000	4,420	10,000	--	--
Well-AD	05/18/05	1	449.000	3,490	9,320	--	--
Well-AD	06/22/05	1	340.000	3,750	8,160	--	--
Well-AD	07/19/05	1	296.000	3,750	7,610	--	--
Well-AD	08/15/05	1	213.000	3,905	6,575	--	--
Well-AD	10/17/05	1	224.000	3,790	7,010	--	--
Well-AD	11/15/05	1	207.000	3,430	6,700	--	--
Well-AD	12/12/05	1	152.000	4,370	5,860	--	--
Well-AD	01/24/06	1	151.000	3,550	5,710	--	--
Well-AD	02/23/06	1	135.000	3,920	5,640	--	--
Well-AD	03/21/06	1	115.000	3,730	5,330	--	--
Well-AD	04/17/06	1	106.000	5,510	5,460	--	--
Well-AD	05/15/06	1	117.000	5,000	5,780	--	--
Well-AD	06/20/06	1	82.700	4,890	4,870	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AD	07/24/06	1	80,300	5,470	4,650	--	--
Well-AD	08/22/06	1	81,200	2,520	2,100	--	--
Well-AD	09/21/06	1	61,900	7,550	4,240	--	--
Well-AD	10/06/06	1	73,600	6,270	4,430	--	--
Well-AD	11/16/06		76,143	168	517	--	--
Well-AD	12/15/06		72,300	147	471	--	--
Well-AD	01/23/07		71,873	155	481	--	--
Well-AD	02/06/07	1	61,900	4,370	4,130	--	--
Well-AD	03/14/07	1	56,000	4,020	3,770	--	--
Well-AD	06/19/07	1	68,500	3,430	4,300	--	--
Well-AD	07/19/07	1	61,700	4,530	4,200	--	--
Well-AD	08/23/07	1	71,300	4,280	4,520	--	--
Well-AD	09/20/07		62,399	146	431	--	--
Well-AD	10/17/07		49,284	167	416	--	--
Well-AD	11/15/07		43,625	123	351	--	--
Well-AD	12/13/07		47,643	148	376	--	--
Well-AD	01/24/08		47,925	140	372	--	--
Well-AD	03/12/08		57,773	146	416	--	--
Well-AD	04/23/08	1	58,300	5,060	4,090	--	--
Well-AD	05/09/08		1,197	148	105	--	--
Well-AD	06/12/08	1	60,100	5,210	3,980	--	--
Well-AD	07/16/08	1	61,700	4,780	4,060	--	--
Well-AD	09/22/08		57,254	134	394	--	--
Well-AE	10/27/03		5,990	145	156	0.23	14
Well-AE	11/02/03	1	5,710	NA	NA	--	--
Well-AE	11/19/03	1	6,910	NA	NA	--	--
Well-AE	12/04/03		10,200	146	190	0.17	10
Well-AE	12/18/03	1	16,100	NA	NA	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AE	12/18/03		15,800	147	229	--	--
Well-AE	01/14/04		16,100	144	229	--	--
Well-AE	02/09/04		16,600	139	232	--	--
Well-AE	02/09/04	1	19,200	NA	NA	--	--
Well-AE	03/03/04		17,000	147	237	--	--
Well-AE	03/18/04		19,000	145	248	--	--
Well-AE	04/28/04		14,900	140	220	0.09	8
Well-AE	05/03/04	1	14,000	5,589	2,409	--	--
Well-AE	06/17/04	1	7,810	5,666	2,152	<3.33	11
Well-AE	07/13/04		7,820	149	175	--	--
Well-AE	08/16/04		7,238	151	173	--	--
Well-AE	09/22/04		5,939	140	156	--	--
Well-AE	10/18/04		5,375	150	156	--	--
Well-AE	11/22/04		4,636	152	149	--	--
Well-AE	12/16/04	1	<3,230	3,230	1,200	--	--
Well-AE	01/18/05		7,530	164	185	--	--
Well-AE	02/08/05		10,100	147	192	0.099	11
Well-AE	03/08/05		13,026	142	212	--	--
Well-AE	04/11/05		8,832	157	192	--	--
Well-AE	05/10/05		9,305	147	187	--	--
Well-AE	06/07/05		7,741	147	173	--	--
Well-AE	07/06/05		6,336	148	162	--	--
Well-AE	08/02/05		4,947	148	149	--	--
Well-AE	09/07/05		3,384	150	134	--	--
Well-AE	10/04/05		3,305	152	135	--	--
Well-AE	11/02/05		3,592	151	136	--	--
Well-AE	12/09/05		5,123	153	154	--	--
Well-AE	01/16/06	1	20,300	3,550	2,390	--	--
Well-AE	02/07/06		9,966	149	193	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AE	03/07/06	1	13,400	3,310	2,000	--	--
Well-AE	04/04/06		9,924	161	200	--	--
Well-AE	05/02/06		7,075	150	171	--	--
Well-AE	06/19/06		3,945	151	141	--	--
Well-AE	07/17/06		4,379	160	150	--	--
Well-AE	08/21/06		3,822	152	140	--	--
Well-AE	09/18/06		11,860	167	219	--	--
Well-AE	10/05/06		4,300	161	151	--	--
Well-AE	11/02/06		5,226	161	160	--	--
Well-AE	12/07/06		5,000	172	167	--	--
Well-AE	01/13/07		4,289	156	150	--	--
Well-AE	02/24/07		5,721	170	171	--	--
Well-AE	03/07/07		4,749	143	146	--	--
Well-AE	04/20/07		5,233	156	159	--	--
Well-AE	05/16/07		8,428	153	182	--	--
Well-AE	06/18/07		6,863	146	164	--	--
Well-AE	07/19/07		5,663	146	153	--	--
Well-AE	08/15/07		5,174	147	149	--	--
Well-AE	09/19/07		4,064	144	137	--	--
Well-AE	10/04/07		4,065	158	149	--	--
Well-AE	11/19/07		4,673	151	153	--	--
Well-AE	12/12/07		4,998	148	148	--	--
Well-AE	01/16/08		7,322	140	165	--	--
Well-AE	02/07/08		9,715	151	190	--	--
Well-AE	03/12/08		10,326	152	196	--	--
Well-AE	04/01/08		11,548	160	210	--	--
Well-AE	05/08/08		10,692	140	188	--	--
Well-AE	06/19/08		7,902	134	163	--	--
Well-AE	07/16/08		7,569	143	168	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AE	08/18/08		6,349	139	155	--	--
Well-AE	09/02/08		6,152	134	149	--	--
Well-AE	10/17/08		6,302	134	152	--	--
Well-AE	11/18/08		9,085	133	174	--	--
Well-AE	12/16/08		10,576	149	194	--	--
Well-AF	10/07/03		<142	142	86	0.38	227
Well-AF	10/27/03	1	<2,430	2,430	NA	--	--
Well-AF	10/27/03		242	145	90	--	--
Well-AF	11/10/03		330	144	91	--	--
Well-AF	11/24/03		245	146	91	0.43	545
Well-AF	12/10/03		343	140	89	--	--
Well-AF	12/22/03		302	141	89	--	--
Well-AF	01/06/04		366	142	90	--	--
Well-AF	01/20/04		262	143	89	--	--
Well-AF	02/02/04		295	144	91	--	--
Well-AF	03/18/04		150	144	88	--	--
Well-AF	04/20/04		247	141	88	4.80E-01	654
Well-AF	05/03/04		308	141	89	--	--
Well-AF	06/25/04		301	144	90	0.523	766
Well-AF	07/13/04		270	145	91	--	--
Well-AF	08/16/04		177	156	96	--	--
Well-AF	09/23/04		241	147	92	--	--
Well-AF	10/12/04		<151	151	90	--	--
Well-AF	11/16/04		168	153	94	--	--
Well-AF	12/21/04	1	<3,910	3,910	1,130	--	--
Well-AF	01/11/05	1	<3,910	3,910	1,180	--	--
Well-AF	02/08/05		<154	154	94	0.644	843
Well-AF	03/14/05	1	<4,320	4,320	1,240	--	--

Notes:

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- 762** Constituent was detected above the laboratory method detection limit.
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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AF	04/11/05		363	148	94	--	--
Well-AF	05/09/05		245	143	89	--	--
Well-AF	07/11/05		193	152	93	--	--
Well-AF	10/17/05		182	157	96	--	--
Well-AF	01/16/06		264	152	95	--	--
Well-AF	04/10/06		244	156	97	--	--
Well-AF	07/17/06		372	154	97	--	--
Well-AF	10/09/06		249	162	100	--	--
Well-AF	01/22/07		347	158	99	--	--
Well-AF	04/19/07		223	165	102	--	--
Well-AF	07/13/07		210	146	90	--	--
Well-AF	10/09/07		<173	173	101	--	--
Well-AF	01/23/08		158	139	85	--	--
Well-AF	04/22/08		<154	154	93	--	--
Well-AF	07/16/08		177	143	88	--	--
Well-AF	10/20/08		<137	137	81	--	--
Well-AG-D	02/23/04		6,100	140	156	0.34	849
Well-AG-D	03/09/04		3,280	149	132	--	--
Well-AG-D	03/29/04		2,540	151	125	--	--
Well-AG-D	04/12/04		4,990	141	145	5.10E-01	765
Well-AG-D	04/19/04		2,920	141	124	0.5	868
Well-AG-D	04/28/04		896	135	95	0.38	866
Well-AG-D	05/03/04	1	<5,590	5,590	NA	--	--
Well-AG-D	05/10/04		1,490	140	106	5.60E-01	885
Well-AG-D	05/24/04		1,290	152	109	--	--
Well-AG-D	05/28/04	1	<4,560	4,560	1,551	--	--
Well-AG-D	06/03/04		4,040	145	139	--	--
Well-AG-D	06/08/04		13,625	142	214	--	--

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AG-D	06/16/04		566	154	101	0.18	239
Well-AG-D	06/25/04		1,865	141	111	0.539	862
Well-AG-D	07/07/04		2,698	141	121	--	--
Well-AG-D	07/14/04		3,426	142	130	0.506	798
Well-AG-D	07/19/04		2,718	152	128	--	--
Well-AG-D	07/28/04		2,939	145	127	0.518	826
Well-AG-D	08/09/04		4,217	148	143	0.533	883
Well-AG-D	08/23/04		6,538	156	171	--	--
Well-AG-D	09/13/04		7,191	149	172	--	--
Well-AG-D	09/29/04		13,241	148	218	--	--
Well-AG-D	10/05/04		8,613	156	190	--	--
Well-AG-D	10/18/04		12,456	144	209	--	--
Well-AG-D	11/04/04		7,424	139	167	--	--
Well-AG-D	11/09/04	1	31,500	3,230	2,690	--	--
Well-AG-D	11/15/04		11,993	150	209	--	--
Well-AG-D	11/22/04		3,813	148	138	--	--
Well-AG-D	11/29/04	1	8,860	2,650	1,580	--	--
Well-AG-D	12/07/04	1	<4,170	4,170	1,510	--	--
Well-AG-D	12/14/04	1	6,910	3,230	1,500	--	--
Well-AG-D	12/21/04	1	<3,910	3,910	1,370	--	--
Well-AG-D	12/28/04	1	5,710	4,060	1,570	--	--
Well-AG-D	01/07/05		6,300	150	166	--	--
Well-AG-D	01/11/05		8,700	143	180	--	--
Well-AG-D	01/18/05		4,880	154	153	0.823	836
Well-AG-D	01/26/05		4,040	141	139	--	--
Well-AG-D	02/02/05		6,455	155	168	--	--
Well-AG-D	02/09/05		6,310	149	162	--	--
Well-AG-D	02/14/05		5,995	146	159	--	--
Well-AG-D	02/22/05		958	155	107	--	--

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AG-D	03/03/05		1,099	148	105	--	--
Well-AG-D	03/07/05		937	155	106	--	--
Well-AG-D	03/14/05		1,026	143	101	--	--
Well-AG-D	03/23/05		1,203	149	107	--	--
Well-AG-D	03/28/05		1,217	141	102	--	--
Well-AG-D	04/05/05		764	169	113	0.39	1,060
Well-AG-D	04/18/05		938	162	111	0.344	971
Well-AG-D	05/03/05		1,380	149	109	--	958
Well-AG-D	05/16/05		798	144	98	--	876
Well-AG-D	06/06/05		883	148	102	--	929
Well-AG-D	07/11/05		884	149	102	--	858
Well-AG-D	08/01/05		762	144	97	--	865
Well-AG-D	09/06/05		1,170	149	106	--	--
Well-AG-D	10/11/05		901	147	101	--	--
Well-AG-D	11/01/05		995	150	104	--	--
Well-AG-D	12/08/05		712	146	98	--	--
Well-AG-D	01/09/06		525	156	101	--	--
Well-AG-D	02/06/06		575	177	114	--	--
Well-AG-D	03/06/06		620	159	104	--	--
Well-AG-D	04/03/06		270	156	97	--	--
Well-AG-D	05/01/06		486	152	99	--	--
Well-AG-D	06/05/06		685	155	102	--	--
Well-AG-D	07/11/06		763	162	108	--	--
Well-AG-D	08/07/06		720	153	102	--	--
Well-AG-D	09/18/06		663	158	104	--	--
Well-AG-D	10/06/06		413	160	101	--	--
Well-AG-D	11/15/06		671	160	106	--	--
Well-AG-D	12/08/06		496	198	126	--	--
Well-AG-D	01/14/07		543	159	103	--	--

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AG-D	02/20/07		204	158	97	--	--
Well-AG-D	03/14/07		201	179	110	--	--
Well-AG-D	04/19/07		391	175	111	--	--
Well-AG-D	05/03/07		633	141	94	--	--
Well-AG-D	06/18/07		716	142	95	--	--
Well-AG-D	07/12/07		490	151	97	--	--
Well-AG-D	08/16/07		702	147	98	--	--
Well-AG-D	09/20/07		608	144	95	--	--
Well-AG-D	10/17/07		2,172	149	118	--	--
Well-AG-D	11/20/07		1,491	150	113	--	--
Well-AG-D	12/20/07		905	137	96	--	--
Well-AG-D	01/23/08		1,019	154	106	--	--
Well-AG-D	02/20/08		1,116	153	107	--	--
Well-AG-D	03/13/08		1,141	137	99	--	--
Well-AG-D	04/01/08		1,153	149	106	--	--
Well-AG-D	05/15/08		1,724	135	105	--	--
Well-AG-D	06/24/08		1,974	136	109	--	--
Well-AG-D	07/17/08		1,536	138	104	--	--
Well-AG-D	08/18/08		1,205	134	98	--	--
Well-AG-D	09/03/08		1,120	134	96	--	--
Well-AG-D	10/17/08		1,367	132	99	--	--
Well-AG-D	11/21/08		882	131	91	--	--
Well-AG-D	12/23/08		1,070	134	96	--	--
Well-AG-S	02/23/04		2,320	138	115	0.04	348
Well-AG-S	03/09/04		3,000	146	126	--	--
Well-AG-S	03/29/04		4,810	153	150	--	--
Well-AG-S	04/12/04		6,620	143	161	0.26	319
Well-AG-S	04/20/04		8,060	142	173	0.23	338

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			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AG-S	04/28/04		10,300	136	188	0.19	312
Well-AG-S	05/10/04		9,580	139	184	--	--
Well-AG-S	05/24/04		9,390	147	189	--	--
Well-AG-S	05/26/04	1	11,300	5,780	2,281	--	--
Well-AG-S	05/27/04	1	18,300	4,563	2,383	--	--
Well-AG-S	05/28/04	1	14,400	4,563	2,193	--	--
Well-AG-S	06/03/04		17,329	150	242	--	--
Well-AG-S	06/08/04		13,226	154	220	--	--
Well-AG-S	06/16/04		17,244	145	237	0.247	286
Well-AG-S	06/25/04		20,049	152	263	0.271	300
Well-AG-S	07/07/04		13,528	147	217	--	--
Well-AG-S	07/14/04		17,361	149	241	0.243	323
Well-AG-S	07/19/04		12,601	149	210	--	--
Well-AG-S	07/26/04	1	21,300	3,230	2,230	--	341
Well-AG-S	07/28/04		15,617	147	232	0.231	315
Well-AG-S	07/30/04	1	26,700	4,850	2,700	--	365
Well-AG-S	08/09/04		21,380	144	263	0.241	321
Well-AG-S	08/23/04	1	20,300	3,025	2,176	--	--
Well-AG-S	09/13/04		10,430	151	200	--	--
Well-AG-S	09/29/04		7,074	160	179	--	--
Well-AG-S	10/05/04		11,088	154	207	--	--
Well-AG-S	10/18/04		16,353	143	233	--	--
Well-AG-S	11/04/04		15,313	150	231	--	--
Well-AG-S	11/09/04	1	22,100	3,230	2,320	--	--
Well-AG-S	11/15/04	1	21,200	3,910	2,390	--	--
Well-AG-S	11/22/04	1	20,300	4,220	2,350	--	--
Well-AG-S	11/29/04	1	21,300	2,650	2,220	--	--
Well-AG-S	12/07/04	1	23,700	4,170	2,480	--	--
Well-AG-S	12/14/04	1	23,300	3,230	2,330	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AG-S	12/21/04	1	23.700	4,020	2,700	--	--
Well-AG-S	12/28/04	1	22.200	4,060	2,380	--	--
Well-AG-S	01/07/05	1	28.800	3,910	2,610	--	--
Well-AG-S	01/11/05	1	33.200	3,910	2,770	--	--
Well-AG-S	01/18/05	1	29.400	3,950	2,630	--	--
Well-AG-S	01/26/05		21.600	149	267	--	--
Well-AG-S	02/02/05	1	31.200	2,650	2,660	--	--
Well-AG-S	02/02/05	1	29.700	4,660	2,810	--	--
Well-AG-S	02/09/05	1	27.200	4,660	2,710	--	--
Well-AG-S	02/14/05	1	24.300	3,910	2,480	--	--
Well-AG-S	02/22/05		11,929	154	211	--	--
Well-AG-S	03/03/05		6,944	158	174	--	--
Well-AG-S	03/07/05		7,239	136	164	--	--
Well-AG-S	03/14/05		7,693	143	171	--	--
Well-AG-S	03/23/05		9,248	147	187	--	--
Well-AG-S	03/28/05		9,399	141	183	--	--
Well-AG-S	04/05/05		9,357	143	187	0.175	240
Well-AG-S	04/18/05		3,472	152	138	0.144	426
Well-AG-S	05/03/05		6,858	151	169	--	236
Well-AG-S	05/16/05		2,493	146	121	--	192
Well-AG-S	06/06/05		1,007	148	103	--	567
Well-AG-S	07/11/05		2,022	150	119	--	582
Well-AG-S	08/01/05		3,537	151	136	--	606
Well-AG-S	09/06/05		4,295	151	144	--	--
Well-AG-S	10/11/05		6,309	146	160	--	--
Well-AG-S	11/01/05		4,043	149	139	--	--
Well-AG-S	12/08/05		349	150	95	--	--
Well-AG-S	01/09/06		744	159	106	--	--
Well-AG-S	02/06/06		1,551	165	121	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AG-S	03/06/06		1,926	157	120	--	--
Well-AG-S	04/03/06		1,616	159	118	--	--
Well-AG-S	05/01/06		1,150	149	106	--	--
Well-AG-S	06/05/06		639	158	103	--	--
Well-AG-S	07/11/06		499	162	104	--	--
Well-AG-S	08/07/06		453	158	101	--	--
Well-AG-S	09/18/06		403	159	101	--	--
Well-AG-S	10/06/06		339	165	103	--	--
Well-AG-S	11/15/06		602	158	104	--	--
Well-AG-S	12/08/06		487	194	123	--	--
Well-AG-S	01/14/07		513	157	102	--	--
Well-AG-S	01/22/07	1	<4,610	4,610	NA	--	--
Well-AG-S	02/20/07		406	152	97	--	--
Well-AG-S	03/14/07		336	190	118	--	--
Well-AG-S	04/19/07		363	160	101	--	--
Well-AG-S	05/03/07		201	142	88	--	--
Well-AG-S	06/18/07		888	141	97	--	--
Well-AG-S	07/12/07		645	150	99	--	--
Well-AG-S	08/16/07		1,101	144	102	--	--
Well-AG-S	09/20/07		671	146	97	--	--
Well-AG-S	11/20/07		304	142	90	--	--
Well-AG-S	12/20/07		343	137	87	--	--
Well-AG-S	01/23/08		291	151	94	--	--
Well-AG-S	02/20/08		432	151	96	--	--
Well-AG-S	03/13/08		341	139	88	--	--
Well-AG-S	04/01/08		320	144	91	--	--
Well-AG-S	05/15/08		383	147	93	--	--
Well-AG-S	06/24/08		633	136	91	--	--
Well-AG-S	07/17/08		653	138	92	--	--

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			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AG-S	07/21/08	1	<4,780	4,780	NA	--	--
Well-AG-S	08/18/08		590	133	88	--	--
Well-AG-S	09/03/08		537	134	88	--	--
Well-AG-S	10/17/08		1,074	133	95	--	--
Well-AG-S	11/21/08		1,580	131	101	--	--
Well-AG-S	12/23/08		2,405	143	119	--	--
Well-AH-D	02/23/04		548	142	93	0.21	309
Well-AH-D	03/08/04		620	142	95	--	--
Well-AH-D	03/29/04		522	142	93	0.31	290
Well-AH-D	04/19/04		563	140	93	0.19	241
Well-AH-D	05/03/04		637	142	95	--	--
Well-AH-D	06/03/04		619	157	103	--	--
Well-AH-D	06/16/04	1	<5,670	5,670	1,571	--	--
Well-AH-D	07/19/04		552	147	97	0.191	260
Well-AH-D	08/23/04		586	140	93	--	--
Well-AH-D	09/13/04		557	151	99	--	--
Well-AH-D	09/29/04		517	155	101	--	--
Well-AH-D	10/18/04		308	144	90	--	--
Well-AH-D	11/15/04	1	<3,910	3,910	1,328	--	--
Well-AH-D	12/20/04	1	<3,910	3,910	1,130	--	--
Well-AH-D	01/11/05		487	154	100	0.235	250
Well-AH-D	02/15/05		493	147	96	--	--
Well-AH-D	03/08/05		529	146	96	--	--
Well-AH-D	04/18/05		407	150	96	0.298	673
Well-AH-D	05/16/05		492	146	95	--	654
Well-AH-D	06/07/05		610	148	98	--	1,020
Well-AH-D	07/11/05		665	143	96	--	--
Well-AH-D	08/02/05		599	145	96	--	--

Notes:

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- pCi/L Picocuries per liter
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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AH-D	09/07/05		522	151	98	--	--
Well-AH-D	10/17/05		361	156	99	--	--
Well-AH-D	11/02/05		403	152	97	--	--
Well-AH-D	12/09/05		257	151	94	--	--
Well-AH-D	01/10/06		260	151	94	--	--
Well-AH-D	02/06/06		264	165	102	--	--
Well-AH-D	03/06/06		318	156	98	--	--
Well-AH-D	04/10/06		303	155	97	--	--
Well-AH-D	05/01/06		439	152	98	--	--
Well-AH-D	06/05/06		297	157	98	--	--
Well-AH-D	07/17/06		321	160	100	--	--
Well-AH-D	08/08/06		330	157	98	--	--
Well-AH-D	09/06/06		322	161	101	--	--
Well-AH-D	10/06/06		278	162	101	--	--
Well-AH-D	11/02/06		430	152	97	--	--
Well-AH-D	12/19/06		209	159	98	--	--
Well-AH-D	01/22/07		333	159	100	--	--
Well-AH-D	02/20/07		<177	177	108	--	--
Well-AH-D	03/14/07		<155	155	94	--	--
Well-AH-D	04/19/07		270	168	104	--	--
Well-AH-D	05/15/07		<142	142	86	--	--
Well-AH-D	06/18/07		343	141	89	--	--
Well-AH-D	07/13/07		221	149	92	--	--
Well-AH-D	08/15/07		1,089	148	104	--	--
Well-AH-D	09/19/07		376	145	92	--	--
Well-AH-D	10/03/07		1,311	151	109	--	--
Well-AH-D	11/19/07		920	177	119	--	--
Well-AH-D	12/12/07		973	138	97	--	--
Well-AH-D	01/23/08		1,104	152	106	--	--

Notes:

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AH-D	02/07/08		1,209	150	107	--	--
Well-AH-D	03/12/08		1,524	146	109	--	--
Well-AH-D	04/01/08		1,799	148	113	--	--
Well-AH-D	05/29/08		1,675	136	105	--	--
Well-AH-D	06/20/08		1,265	136	99	--	--
Well-AH-D	07/07/08		1,010	139	98	--	--
Well-AH-D	08/18/08		729	131	89	--	--
Well-AH-D	09/22/08		751	141	95	--	--
Well-AH-D	10/17/08		741	137	93	--	--
Well-AH-D	11/18/08		809	132	91	--	--
Well-AH-D	12/16/08		489	133	87	--	--
Well-AH-S	02/23/04		899	143	99	0.14	135
Well-AH-S	03/08/04		894	142	98	--	--
Well-AH-S	03/29/04		878	141	97	0.27	56
Well-AH-S	04/20/04		932	141	98	0.25	67
Well-AH-S	05/03/04		908	141	98	--	--
Well-AH-S	06/03/04		759	149	100	--	--
Well-AH-S	06/16/04		835	142	97	0.263	48
Well-AH-S	07/19/04		816	151	103	0.204	38
Well-AH-S	08/23/04		752	155	105	--	--
Well-AH-S	09/13/04		512	144	94	--	--
Well-AH-S	09/29/04		533	149	97	--	--
Well-AH-S	10/18/04		420	159	101	--	--
Well-AH-S	11/15/04	1	<3,910	3,910	1,235	--	--
Well-AH-S	12/20/04	1	<3,910	3,910	1,130	--	--
Well-AH-S	01/11/05		658	163	107	0.446	61
Well-AH-S	02/15/05		633	146	97	--	--
Well-AH-S	03/08/05		614	147	97	--	--

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AH-S	04/18/05		319	146	92	0.138	216
Well-AH-S	05/16/05		249	150	93	--	277
Well-AH-S	06/07/05		238	147	91	--	151
Well-AH-S	07/11/05		293	144	91	--	--
Well-AH-S	08/02/05		241	147	92	--	--
Well-AH-S	09/07/05		162	149	91	--	--
Well-AH-S	10/17/05		<153	153	92	--	--
Well-AH-S	11/02/05		298	151	94	--	--
Well-AH-S	12/09/05		218	148	91	--	--
Well-AH-S	01/10/06		251	153	95	--	--
Well-AH-S	02/06/06		213	170	105	--	--
Well-AH-S	03/06/06		<158	158	94	--	--
Well-AH-S	04/10/06		<155	155	92	--	--
Well-AH-S	05/01/06		163	151	92	--	--
Well-AH-S	06/05/06		190	156	96	--	--
Well-AH-S	07/17/06		<171	171	104	--	--
Well-AH-S	08/08/06		178	160	98	--	--
Well-AH-S	09/06/06		211	157	97	--	--
Well-AH-S	10/06/06		238	159	99	--	--
Well-AH-S	11/02/06		366	154	97	--	--
Well-AH-S	12/19/06		252	163	101	--	--
Well-AH-S	01/22/07		384	155	98	--	--
Well-AH-S	02/20/07		242	151	93	--	--
Well-AH-S	03/14/07		248	149	93	--	--
Well-AH-S	04/19/07		<162	162	98	--	--
Well-AH-S	05/15/07		154	137	84	--	--
Well-AH-S	06/18/07		236	142	88	--	--
Well-AH-S	07/13/07		1,193	147	105	--	--
Well-AH-S	08/15/07		<145	145	88	--	--

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AH-S	09/19/07		<144	144	88	--	--
Well-AH-S	10/03/07		195	164	101	--	--
Well-AH-S	11/19/07		2,790	190	152	--	--
Well-AH-S	12/12/07		5,579	142	150	--	--
Well-AH-S	01/23/08		1,322	152	109	--	--
Well-AH-S	02/07/08		1,365	139	103	--	--
Well-AH-S	03/12/08		1,377	145	107	--	--
Well-AH-S	04/01/08		400	142	91	--	--
Well-AH-S	05/29/08		274	148	92	--	--
Well-AH-S	06/20/08		546	136	89	--	--
Well-AH-S	07/07/08		434	138	89	--	--
Well-AH-S	08/18/08		488	132	87	--	--
Well-AH-S	09/22/08		620	128	86	--	--
Well-AH-S	10/17/08		738	133	91	--	--
Well-AH-S	11/18/08		1,345	131	98	--	--
Well-AH-S	12/16/08		858	139	96	--	--
Well-AI	02/02/04	1	<5,780	5,780	NA	--	--
Well-AI	02/26/04		4,360	140	138	0.05	8
Well-AI	03/11/04		4,370	145	141	--	--
Well-AI	03/30/04		3,550	143	131	--	--
Well-AI	05/04/04		11,800	140	200	0.17	16
Well-AI	05/11/04	1	40,300	5,392	3,466	--	--
Well-AI	05/19/04	1	44,100	5,780	3,439	<3.3	47
Well-AI	06/03/04	1	45,900	4,563	3,360	--	--
Well-AI	07/19/04	1	30,200	2,870	2,550	--	--
Well-AI	07/28/04	1	29,900	3,790	2,650	--	--
Well-AI	08/02/04	1	31,100	3,320	2,670	--	--
Well-AI	08/09/04	1	35,600	4,850	3,030	--	28

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AI	08/16/04	1	41,000	3,320	3,000	--	--
Well-AI	08/25/04	1	43,200	3,030	3,050	--	--
Well-AI	12/27/04		13,120	153	222	--	--
Well-AI	04/19/05		13,120	153	222	--	--
Well-AI	05/10/05	1	31,100	3,620	2,640	--	--
Well-AI	06/21/05	1	34,400	3,750	2,820	--	--
Well-AI	07/12/05		14,060	155	226	--	--
Well-AI	08/15/05		7,683	147	172	--	--
Well-AI	09/06/05		6,669	150	166	--	--
Well-AI	10/10/05		5,081	148	151	--	--
Well-AI	11/14/05		4,535	152	148	--	--
Well-AI	12/20/05		3,602	156	139	--	--
Well-AI	01/17/06		2,755	150	127	--	--
Well-AI	02/21/06		2,730	149	126	--	--
Well-AI	03/20/06	1	4,200	3,730	1,530	--	--
Well-AI	04/10/06	1	<4,720	4,720	NA	--	--
Well-AI	04/11/06		5,194	157	156	--	--
Well-AI	05/16/06		2,354	149	122	--	--
Well-AI	06/19/06		2,082	162	126	--	--
Well-AI	07/18/06		1,572	150	112	--	--
Well-AI	07/19/06	1	<4,890	4,890	NA	--	--
Well-AI	08/08/06		1,621	160	118	--	--
Well-AI	09/18/06		1,782	157	119	--	--
Well-AI	10/10/06		2,110	159	124	--	--
Well-AI	11/01/06		1,543	157	116	--	--
Well-AI	12/18/06		2,495	178	142	--	--
Well-AI	12/19/06	1	<4,840	4,840	NA	--	--
Well-AI	01/13/07		2,784	149	127	--	--
Well-AI	02/06/07		2,393	157	127	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AI	03/08/07		2,100	149	119	--	--
Well-AI	04/20/07		2,677	161	134	--	--
Well-AI	05/15/07		2,556	140	119	--	--
Well-AI	06/18/07		2,867	142	123	--	--
Well-AI	07/18/07		2,784	145	123	--	--
Well-AI	08/15/07		3,204	143	128	--	--
Well-AI	09/20/07		3,137	150	131	--	--
Well-AI	10/03/07		3,360	149	132	--	--
Well-AI	11/14/07		3,173	154	138	--	--
Well-AI	12/12/07		2,902	138	121	--	--
Well-AI	01/17/08		2,933	151	128	--	--
Well-AI	02/06/08		2,920	138	122	--	--
Well-AI	03/18/08		3,035	149	129	--	--
Well-AI	04/02/08		3,255	151	132	--	--
Well-AI	05/08/08		3,339	146	129	--	--
Well-AI	06/19/08		2,708	136	117	--	--
Well-AI	07/07/08		2,934	128	116	--	--
Well-AI	08/06/08		2,005	140	111	--	--
Well-AI	09/02/08		2,478	136	114	--	--
Well-AI	11/19/08		3,732	133	127	--	--
Well-AI	12/15/08		5,220	151	152	--	--
Well-AJ	02/25/04		1,150	142	102	0.62	616
Well-AJ	03/09/04		1,040	140	99	0.68	650
Well-AJ	03/30/04		1,080	146	103	0.62	642
Well-AJ	04/19/04		1,190	139	101	0.67	621
Well-AJ	05/10/04		1,240	142	103	--	--
Well-AJ	05/24/04		1,270	158	113	--	--
Well-AJ	06/16/04		1,495	148	111	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AJ	07/13/04		2,193	142	116	--	--
Well-AJ	07/20/04		1,525	152	113	--	--
Well-AJ	08/16/04		1,677	141	110	--	--
Well-AJ	09/08/04		4,254	152	146	--	--
Well-AJ	10/18/04	1	54,800	3,230	3,560	--	--
Well-AJ	11/16/04	1	193,000	3,910	6,440	--	--
Well-AJ	12/28/04	1	144,000	2,820	5,450	--	--
Well-AJ	01/12/05	1	366,000	3,910	8,540	--	--
Well-AJ	02/14/05	1	331,000	3,910	8,260	--	--
Well-AJ	03/02/05	1	218,000	3,670	6,710	--	--
Well-AJ	03/07/05	1	155,000	3,490	5,670	--	--
Well-AJ	03/14/05	1	172,000	4,320	6,120	--	--
Well-AJ	03/23/05	1	70,400	3,790	3,720	--	--
Well-AJ	03/28/05	1	152,000	6,280	5,880	--	--
Well-AJ	04/18/05	1	139,000	4,420	5,490	--	--
Well-AJ	05/18/05	1	122,000	3,490	4,900	--	--
Well-AJ	08/15/05	1	68,500	3,905	3,877	--	--
Well-AJ	10/17/05	1	182,000	3,790	6,330	--	--
Well-AJ	11/15/05	1	62,300	3,430	3,770	--	--
Well-AJ	12/12/05	1	143,000	4,370	5,750	--	--
Well-AJ	01/24/06	1	51,400	3,550	3,520	--	--
Well-AJ	02/23/06	1	42,200	3,920	3,280	--	--
Well-AJ	03/21/06	1	66,200	3,730	4,120	--	--
Well-AJ	04/17/06	1	53,200	5,510	4,030	--	--
Well-AJ	05/15/06	1	44,400	5,000	3,780	--	--
Well-AJ	07/24/06	1	41,100	5,470	3,500	--	--
Well-AJ	08/22/06	1	26,600	2,520	1,340	--	--
Well-AJ	06/19/07		34,983	150	329	--	--
Well-AJ	08/28/08		4,641	140	139	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AL	02/25/04		<141	141	83	0.21	60
Well-AL	03/09/04		<147	147	86	0.20	55
Well-AL	03/30/04		<146	146	86	0.22	63
Well-AL	04/19/04		<141	141	85	0.3	62
Well-AL	05/19/04		<151	151	89	--	--
Well-AL	06/16/04		<141	141	85	--	--
Well-AL	07/13/04		<141	141	85	--	--
Well-AL	07/28/04		<147	147	88	--	--
Well-AL	08/16/04		<150	150	91	--	--
Well-AL	09/08/04		<153	153	91	--	--
Well-AL	10/12/04		<146	146	85	--	--
Well-AL	11/16/04	1	<3,910	3,910	1,126	--	--
Well-AL	12/21/04	1	<3,910	3,910	1,130	--	--
Well-AL	01/11/05		<157	157	92	--	--
Well-AL	02/08/05		<157	157	92	0.23	74
Well-AL	03/14/05		<146	146	87	--	--
Well-AL	04/11/05		<158	158	93	--	--
Well-AL	05/09/05		<150	150	88	--	--
Well-AL	07/11/05		<154	154	90	--	--
Well-AL	10/10/05		<148	148	89	--	--
Well-AL	01/23/06		<153	153	91	--	--
Well-AL	04/10/06		<165	165	99	--	--
Well-AL	07/17/06		<154	154	92	--	--
Well-AL	10/09/06		<162	162	97	--	--
Well-AL	01/13/07		<153	153	91	--	--
Well-AL	04/19/07		243	158	98	--	--
Well-AL	07/19/07		203	146	90	--	--
Well-AL	10/09/07		<175	175	103	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AL	01/23/08		366	151	96	--	--
Well-AL	04/22/08		375	154	98	--	--
Well-AL	07/16/08		426	142	91	--	--
Well-AL	10/20/08		396	139	89	--	--
Well-AM	02/02/04	1	425.000	NA	NA	--	--
Well-AM	02/26/04	1	273.000	NA	NA	--	--
Well-AM	02/26/04	1	273.000	NA	NA	--	--
Well-AM	03/11/04	1	234.000	NA	NA	--	--
Well-AM	03/11/04	1	234.000	NA	NA	--	--
Well-AM	04/08/04	1	196.000	5,822	6,425	--	--
Well-AM	04/08/04	1	196.000	5,822	6,425	--	--
Well-AM	05/06/04	1	150.000	5,589	5,807	--	--
Well-AM	05/06/04	1	150.000	5,589	5,807	--	--
Well-AM	05/20/04	1	149.000	4,563	5,651	<3.3	6
Well-AM	06/10/04	1	156.000	4,974	5,832	<3.33	5
Well-AM	07/20/04	1	128.000	2,870	5,020	--	--
Well-AM	08/17/04	1	137.000	3,320	5,270	--	--
Well-AM	09/14/04	1	139.000	4,560	5,380	--	6
Well-AM	10/25/04	1	124.000	3,030	5,080	--	--
Well-AM	11/23/04	1	116.000	4,220	4,940	--	--
Well-AM	12/27/04	1	103.000	4,060	4,590	--	--
Well-AM	01/12/05	1	108.000	3,910	4,660	--	--
Well-AM	02/22/05	1	89.300	3,550	4,340	--	--
Well-AM	03/15/05	1	76.900	4,320	4,100	--	--
Well-AM	04/19/05	1	54.200	4,420	3,570	--	--
Well-AM	05/17/05	1	58.400	3,490	3,480	--	--
Well-AM	06/21/05	1	53.800	3,750	3,420	--	--
Well-AM	07/11/05	1	43.200	3,750	3,110	--	--

Notes:

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AM	08/15/05	1	38,100	3,905	2,979	--	--
Well-AM	09/20/05	1	87,500	4,563	4,478	--	--
Well-AM	10/10/05	1	34,200	3,790	2,930	--	--
Well-AM	11/14/05	1	43,100	3,430	3,210	--	--
Well-AM	12/20/05	1	25,400	3,430	2,580	--	--
Well-AM	01/23/06	1	28,700	3,550	2,750	--	--
Well-AM	02/23/06	1	72,200	3,920	4,200	--	--
Well-AM	03/21/06	1	429,000	3,730	10,100	--	--
Well-AM	04/11/06	1	732,000	4,720	13,700	--	--
Well-AM	05/16/06	1	866,000	5,000	15,100	--	--
Well-AM	06/20/06	1	554,000	4,890	12,100	--	--
Well-AM	07/17/06	1	91,000	4,670	5,130	--	--
Well-AM	07/21/06		37,500	NA	NA	--	--
Well-AM	08/08/06		90,500	NA	NA	--	--
Well-AM	08/21/06	1	259,000	2,520	3,590	--	--
Well-AM	09/07/06		17,003	151	241	--	--
Well-AM	09/13/06		239,000	NA	NA	--	--
Well-AM	09/19/06		18,191	161	257	--	--
Well-AM	10/09/06		19,530	156	261	--	--
Well-AM	11/01/06		20,848	162	275	--	--
Well-AM	11/15/06		22,937	162	290	--	--
Well-AM	12/07/06		32,938	153	330	--	--
Well-AM	12/18/06		39,050	148	352	--	--
Well-AM	01/13/07		20,493	148	266	--	--
Well-AM	01/22/07		25,079	155	294	--	--
Well-AM	02/06/07		28,011	162	311	--	--
Well-AM	02/23/07		51,812	157	407	--	--
Well-AM	03/08/07		20,495	149	266	--	--
Well-AM	04/20/07		20,290	160	275	--	--

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AM	05/15/07		36.032	174	363	--	--
Well-AM	06/19/07	1	50.300	3,430	3,730	--	--
Well-AM	07/18/07		37.401	146	335	--	--
Well-AM	07/30/07		36.361	139	321	--	--
Well-AM	08/15/07		38.711	148	342	--	--
Well-AM	09/21/07	1	209.000	3,830	7,330	--	--
Well-AM	09/25/07	1	249.000	3,730	7,950	--	--
Well-AM	10/03/07	1	223.000	3,830	7,550	--	--
Well-AM	10/17/07	1	118.000	4,370	5,690	--	--
Well-AM	11/14/07	1	101.000	4,110	5,210	--	--
Well-AM	11/28/07	1	105.000	3,630	5,330	--	--
Well-AM	12/12/07		22.758	150	272	--	--
Well-AM	12/27/07		19,329	149	250	--	--
Well-AM	01/17/08		18,293	140	239	--	--
Well-AM	01/28/08		19,454	140	246	--	--
Well-AM	02/06/08		19,910	140	250	--	--
Well-AM	02/20/08		19,927	149	255	--	--
Well-AM	03/13/08		17,686	146	241	--	--
Well-AM	03/18/08		21.764	146	265	--	--
Well-AM	04/02/08		25.177	155	287	--	--
Well-AM	04/23/08		25.398	146	282	--	--
Well-AM	05/08/08		23.403	147	270	--	--
Well-AM	06/24/08		22.981	135	256	--	--
Well-AM	06/30/08		23.957	136	262	--	--
Well-AM	07/07/08		26.203	141	281	--	--
Well-AM	07/24/08		21.019	140	253	--	--
Well-AM	08/07/08		21.348	140	254	--	--
Well-AM	08/21/08		30.082	128	290	--	--
Well-AM	09/02/08		34.763	132	316	--	--

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AM	09/22/08		32,991	135	312	--	--
Well-AM	11/14/08		30,046	147	304	--	--
Well-AM	11/25/08		26,960	133	278	--	--
Well-AM	12/08/08		30,751	134	297	--	--
Well-AM	12/23/08		30,935	143	303	--	--
Well-AN	08/10/04		21,579	143	263	0.685	32
Well-AN	08/24/04		19,632	155	263	--	--
Well-AN	09/14/04		9,150	141	182	0.567	23
Well-AN	10/25/04		8,950	147	185	--	--
Well-AN	11/23/04		6,245	144	158	--	--
Well-AN	12/29/04	1	<4,020	4,020	1,210	--	--
Well-AN	01/12/05		6,180	159	169	--	--
Well-AN	03/02/05	1	192,000	3,670	6,300	--	--
Well-AN	03/07/05	1	171,000	3,490	5,940	--	--
Well-AN	03/14/05	1	154,000	4,320	5,700	--	--
Well-AN	03/23/05	1	172,000	3,790	6,030	--	--
Well-AN	03/28/05	1	98,900	6,280	4,900	--	--
Well-AN	04/18/05	1	149,000	4,420	5,650	--	--
Well-AN	05/18/05	1	121,000	3,490	4,920	--	--
Well-AN	06/22/05	1	98,000	3,750	4,470	--	--
Well-AN	07/19/05		76,094	148	479	--	--
Well-AN	08/15/05	1	69,000	3,905	3,879	--	--
Well-AN	10/17/05	1	75,100	3,790	4,150	--	--
Well-AN	11/15/05	1	106,000	3,430	4,860	--	--
Well-AN	12/12/05	1	76,400	4,370	4,260	--	--
Well-AN	01/24/06	1	99,100	3,550	4,800	--	--
Well-AN	02/22/06		78,129	149	485	--	--
Well-AN	02/23/06	1	65,600	3,920	4,030	--	--

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AN	03/21/06	1	86.200	3,730	4,630	--	--
Well-AN	04/17/06	1	54.500	5,510	4,070	--	--
Well-AN	05/15/06	1	80.300	5,000	4,870	--	--
Well-AN	06/20/06	1	76.400	4,890	4,730	--	--
Well-AN	07/24/06	1	54.800	5,470	3,930	--	--
Well-AN	08/22/06	1	101.000	2,520	2,320	--	--
Well-AN	09/21/06	1	82.400	7,550	4,720	--	--
Well-AN	10/06/06		3,169	161	138	--	--
Well-AN	11/16/06	1	89.000	3,630	4,680	--	--
Well-AN	12/15/06		22.903	158	286	--	--
Well-AN	01/23/07		5,973	154	164	--	--
Well-AN	02/06/07		43.366	181	404	--	--
Well-AN	08/23/07		27.075	143	289	--	--
Well-AN	09/20/07		79.768	151	492	--	--
Well-AN	10/17/07		41.105	158	381	--	--
Well-AN	11/15/07	1	54.400	4,110	3,930	--	--
Well-AN	12/13/07	1	66.700	4,030	4,300	--	--
Well-AN	03/12/08	1	60.500	3,980	3,950	--	--
Well-AN	04/23/08	1	73.700	5,060	4,590	--	--
Well-AN	05/09/08		4,827	140	141	--	--
Well-AN	06/12/08		41.194	136	338	--	--
Well-AN	07/16/08		54.458	144	400	--	--
Well-AN	08/21/08	1	51.400	4,530	3,600	--	--
Well-AN	09/22/08		25.168	148	278	--	--
Well-AO	07/29/04		6,739	146	163	--	--
Well-AO	08/10/04		2,399	153	125	0.24	27
Well-AO	08/16/04		5,420	146	155	--	--
Well-AO	08/24/04		2,225	155	125	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AO	09/14/04		2,417	149	123	--	--
Well-AO	09/29/04		2,794	152	130	--	--
Well-AO	10/25/04		2,706	158	132	--	--
Well-AO	11/23/04		2,570	147	123	--	--
Well-AO	12/27/04	1	<4,060	4,060	1,370	--	--
Well-AO	01/12/05		1,780	166	125	--	--
Well-AO	03/02/05	1	15,900	3,670	2,100	--	--
Well-AO	03/07/05	1	158,000	3,490	5,710	--	--
Well-AO	03/14/05	1	138,000	4,320	5,430	--	--
Well-AO	03/23/05	1	192,000	3,790	6,570	--	--
Well-AO	03/28/05		6,395	147	162	--	--
Well-AO	11/15/05	1	34,700	3,430	2,900	--	--
Well-AO	12/12/05	1	58,000	4,370	3,750	--	--
Well-AO	07/24/06	1	38,400	5,470	3,410	--	--
Well-AO	08/22/06	1	98,600	2,520	2,290	--	--
Well-AO	10/06/06		4,190	160	148	--	--
Well-AO	11/16/06		24,704	164	301	--	--
Well-AO	12/15/06		7,629	168	190	--	--
Well-AO	01/23/07		5,136	154	154	--	--
Well-AP	07/19/04		2,078	148	118	0.06	59
Well-AP	08/09/04		1,455	150	112	0.126	105
Well-AP	08/23/04		1,006	151	106	--	--
Well-AP	09/08/04		1,039	148	105	--	--
Well-AP	09/22/04		1,679	156	119	--	--
Well-AP	10/11/04		777	151	102	--	--
Well-AP	11/22/04		1,531	150	112	0.204	65
Well-AP	12/14/04	1	<3,230	3,230	984	--	--
Well-AP	01/27/05		1,200	138	102	0.16	134

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AP	02/01/05		2,680	153	128	--	--
Well-AP	03/07/05	1	70,300	3,490	3,970	--	--
Well-AP	04/05/05	1	100,000	4,220	4,730	--	--
Well-AP	05/02/05	1	94,400	3,320	1,690	--	--
Well-AP	06/06/05	1	106,000	3,460	4,630	--	--
Well-AP	06/21/05	1	46,400	3,750	3,220	--	--
Well-AP	07/06/05		1,968	144	114	--	--
Well-AP	07/19/05		4,563	148	145	--	--
Well-AP	08/01/05	1	6,190	3,320	3,640	--	--
Well-AP	08/16/05	1	25,500	3,905	2,564	--	--
Well-AP	08/29/05		961	151	105	--	--
Well-AP	09/06/05		1,196	150	107	--	--
Well-AP	09/19/05		10,097	152	195	--	--
Well-AP	10/03/05	1	48,600	4,220	3,530	--	--
Well-AP	10/18/05		12,250	156	212	--	--
Well-AP	11/01/05		798	149	101	--	--
Well-AP	12/08/05	1	28,200	3,730	2,750	--	--
Well-AP	01/10/06		14,354	152	225	--	--
Well-AP	02/07/06		9,723	152	191	--	--
Well-AP	02/21/06		14,580	152	226	--	--
Well-AP	03/06/06		9,829	161	199	--	--
Well-AP	03/20/06	1	8,860	3,730	1,850	--	--
Well-AP	04/03/06		9,490	155	192	--	--
Well-AP	04/17/06		8,284	158	184	--	--
Well-AP	05/01/06		8,316	154	184	--	--
Well-AP	05/15/06		7,686	158	180	--	--
Well-AP	06/05/06		5,639	167	167	--	--
Well-AP	06/20/06		5,681	150	158	--	--
Well-AP	07/10/06		757	157	105	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AP	07/24/06		465	152	98	--	--
Well-AP	08/07/06		2,006	159	123	--	--
Well-AP	08/21/06		4,405	153	147	--	--
Well-AP	09/06/06		2,560	157	128	--	--
Well-AP	10/10/06		5,939	161	166	--	--
Well-AP	11/01/06		779	153	103	--	--
Well-AP	12/08/06		5,412	186	179	--	--
Well-AP	01/13/07		1,086	156	109	--	--
Well-AP	02/05/07		4,348	151	145	--	--
Well-AP	03/07/07		1,169	151	109	--	--
Well-AP	04/19/07		1,059	158	111	--	--
Well-AP	05/15/07		781	186	123	--	--
Well-AP	06/18/07		1,093	145	102	--	--
Well-AP	07/18/07		1,049	144	101	--	--
Well-AP	08/15/07		2,730	144	122	--	--
Well-AP	09/19/07		3,830	161	144	--	--
Well-AP	10/03/07		3,442	150	133	--	--
Well-AP	11/14/07		4,025	124	128	--	--
Well-AP	12/12/07		3,806	137	130	--	--
Well-AP	01/17/08		1,282	154	110	--	--
Well-AP	02/21/08		1,225	149	106	--	--
Well-AP	03/12/08		1,123	138	99	--	--
Well-AP	04/01/08		1,224	147	105	--	--
Well-AP	05/08/08		1,130	136	98	--	--
Well-AP	06/19/08		1,143	143	102	--	--
Well-AP	07/07/08		831	128	89	--	--
Well-AP	08/07/08		1,070	133	95	--	--
Well-AP	09/02/08		936	133	93	--	--
Well-AP	10/17/08		947	146	101	--	--

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			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AP	11/18/08		922	131	92	--	--
Well-AP	12/15/08		1,113	144	102	--	--
Well-AQ	07/08/04	1	<3,260	3,260	1,094	--	--
Well-AQ	07/19/04		217	142	88	0.436	308
Well-AQ	08/09/04		309	152	95	0.57	1,090
Well-AQ	08/23/04		243	147	92	--	--
Well-AQ	09/08/04		273	150	94	--	--
Well-AQ	09/22/04		213	138	86	--	--
Well-AQ	10/26/04		201	144	89	--	--
Well-AQ	11/16/04		218	147	91	--	--
Well-AQ	12/21/04	1	<4,280	4,280	1,300	--	--
Well-AQ	01/27/05		225	135	84	--	--
Well-AQ	02/02/05		<148	148	90	0.448	1,100
Well-AQ	03/14/05		367	145	92	--	--
Well-AQ	04/12/05		247	143	89	--	--
Well-AQ	05/09/05		248	151	94	--	--
Well-AR	07/14/04	1	324,000	3,620	7,980	--	--
Well-AR	07/19/04	1	390,000	2,870	8,700	--	--
Well-AR	08/09/04	1	464,000	4,850	9,620	6.00	75
Well-AR	08/23/04	1	496,000	3,670	10,000	--	--
Well-AR	09/13/04	1	551,000	4,560	10,500	7.10	65
Well-AR	09/30/04	1	582,000	5,780	10,800	--	--
Well-AR	10/26/04	1	589,000	3,030	11,000	--	--
Well-AR	12/28/04	1	423,000	4,060	9,050	--	--
Well-AR	01/27/05	1	336,000	2,470	8,140	--	--
Well-AR	02/22/05	1	334,000	3,550	8,220	--	--
Well-AR	03/14/05	1	204,000	4,320	6,510	--	--
Well-AR	04/12/05	1	233,000	4,220	7,010	--	--

Notes:

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AR	05/10/05	1	215.000	3,620	6,420	--	--
Well-AR	06/21/05	1	227.000	3,750	6,670	--	--
Well-AR	07/19/05	1	201.000	2,820	6,310	--	--
Well-AR	08/16/05	1	214.000	3,905	6,592	--	--
Well-AR	09/19/05	1	180.000	4,563	6,272	--	--
Well-AR	10/10/05	1	140.000	3,790	5,540	--	--
Well-AR	11/02/05	1	199.000	3,030	6,560	--	--
Well-AR	12/08/05	1	165.000	3,730	6,090	--	--
Well-AR	01/10/06	1	169.000	4,370	6,250	--	--
Well-AR	02/06/06	1	100.000	3,090	4,810	--	--
Well-AR	03/20/06	1	46.500	3,730	3,510	--	--
Well-AR	04/10/06		16,572	155	240	--	--
Well-AR	05/15/06		12,555	156	215	--	--
Well-AR	06/06/06		12,751	162	221	--	--
Well-AR	07/17/06	1	85.700	4,670	5,000	--	--
Well-AR	08/08/06	1	72.100	4,440	4,330	--	--
Well-AR	09/06/06		21.554	157	273	--	--
Well-AR	10/10/06		12,619	158	216	--	--
Well-AR	11/02/06		74.038	169	506	--	--
Well-AR	12/18/06		61.149	155	447	--	--
Well-AR	12/19/06	1	59.900	4,840	4,060	--	--
Well-AR	01/13/07	1	85.400	3,730	4,700	--	--
Well-AR	02/05/07	1	62.900	4,370	4,350	--	--
Well-AR	03/07/07	1	62.300	3,630	4,110	--	--
Well-AR	06/18/07	1	80.600	3,430	4,620	--	--
Well-AR	07/19/07	1	84.400	4,370	4,780	--	--
Well-AR	07/23/07	1	82.300	1,840	2,180	--	--
Well-AR	08/08/07	1	68.900	4,110	4,390	--	--
Well-AR	08/15/07	1	84.700	3,830	4,760	--	--

Notes:

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AR	09/19/07	1	51,500	3,830	3,760	--	--
Well-AR	09/25/07	1	61,400	3,730	4,170	--	--
Well-AR	10/03/07		20,163	157	267	--	--
Well-AR	10/17/07		12,266	137	200	--	--
Well-AR	11/14/07	1	52,900	4,110	3,940	--	--
Well-AR	11/28/07		50,018	123	374	--	--
Well-AR	12/12/07		47,105	146	373	--	--
Well-AR	12/27/07		43,089	149	360	--	--
Well-AR	01/23/08		37,961	140	334	--	--
Well-AR	02/21/08		33,079	139	313	--	--
Well-AR	03/12/08		33,332	147	323	--	--
Well-AR	04/01/08		27,929	152	297	--	--
Well-AR	05/08/08		23,914	146	272	--	--
Well-AR	06/19/08		16,288	135	220	--	--
Well-AR	07/07/08		15,470	139	220	--	--
Well-AR	08/18/08		22,857	129	256	--	--
Well-AR	09/04/08		24,809	134	266	--	--
Well-AR	09/22/08		11,194	147	196	--	--
Well-AR	10/13/08		11,555	135	194	--	--
Well-AR	10/27/08		12,787	135	202	--	--
Well-AR	11/18/08		10,362	137	186	--	--
Well-AR	11/25/08		8,539	132	168	--	--
Well-AR	12/15/08		8,935	148	181	--	--
Well-AR	12/23/08		8,735	145	178	--	--
Well-AS	07/08/04	1	37,700	3,620	2,920	--	--
Well-AS	07/19/04	1	27,600	2,870	2,460	--	--
Well-AS	08/09/04	1	7,510	4,850	1,920	--	--
Well-AS	08/23/04	1	41,300	3,030	2,990	--	--

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AS	09/13/04		20,456	145	259	0.727	199
Well-AS	09/29/04		18,171	146	248	--	--
Well-AS	10/11/04		9,899	156	200	--	--
Well-AS	11/16/04	1	14,400	3,910	2,090	--	--
Well-AS	12/21/04	1	15,200	3,910	2,070	--	--
Well-AS	01/27/05		14,000	143	224	0.459	186
Well-AS	03/02/05	1	23,400	3,670	2,430	--	--
Well-AS	03/07/05	1	40,100	3,490	3,020	--	--
Well-AS	03/14/05	1	12,600	4,320	2,080	--	--
Well-AS	03/23/05	1	72,400	3,790	4,050	--	--
Well-AS	03/28/05	1	67,600	6,280	4,180	--	--
Well-AS	04/18/05	1	75,700	4,420	4,140	--	--
Well-AS	05/18/05	1	59,200	3,490	3,520	--	--
Well-AS	06/22/05	1	64,900	3,750	3,730	--	--
Well-AS	07/19/05	1	60,500	2,820	3,530	--	--
Well-AS	08/15/05	1	49,100	3,905	3,334	--	--
Well-AS	10/17/05	1	35,300	3,790	3,010	--	--
Well-AS	11/15/05	1	66,500	3,430	3,910	--	--
Well-AS	12/12/05	1	61,400	4,370	3,870	--	--
Well-AS	01/24/06	1	72,100	3,550	4,150	--	--
Well-AS	02/23/06	1	72,100	3,920	4,190	--	--
Well-AS	03/21/06	1	50,900	3,730	3,640	--	--
Well-AS	04/17/06	1	46,200	5,510	3,820	--	--
Well-AS	05/15/06	1	46,500	5,000	3,850	--	--
Well-AS	06/20/06	1	51,500	4,890	3,970	--	--
Well-AS	07/24/06	1	44,300	5,470	3,640	--	--
Well-AS	08/22/06	1	61,300	2,520	1,850	--	--
Well-AS	09/21/06	1	66,100	7,550	4,350	--	--
Well-AS	10/06/06	1	67,000	6,270	4,260	--	--

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Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AS	11/16/06		101,284	163	584	--	--
Well-AS	12/15/06		48,104	151	394	--	--
Well-AS	01/23/07		48,552	158	403	--	--
Well-AS	02/06/07		32,517	162	334	--	--
Well-AS	03/14/07		41,901	165	383	--	--
Well-AS	06/19/07		28,799	147	298	--	--
Well-AS	07/19/07		4,925	146	146	--	--
Well-AS	08/23/07		14,497	141	218	--	--
Well-AS	09/20/07		13,072	149	214	--	--
Well-AS	10/17/07		8,922	168	204	--	--
Well-AS	11/15/07		15,870	124	220	--	--
Well-AS	12/13/07		27,876	150	296	--	--
Well-AS	01/24/08		36,053	141	326	--	--
Well-AS	02/25/08		27,445	149	294	--	--
Well-AS	03/12/08		25,791	148	286	--	--
Well-AS	04/23/08		15,043	160	233	--	--
Well-AS	05/09/08		2,435	137	115	--	--
Well-AS	07/16/08	1	53,200	4,780	3,800	--	--
Well-AS	08/28/08		6,876	128	154	--	--
Well-AS	09/22/08		27,899	145	288	--	--
Well-AT	07/02/04	1	30,600	3,490	2,650	--	--
Well-AT	07/08/04		4,288	142	139	0.275	309
Well-AT	07/12/04	1	32,700	3,620	2,750	--	--
Well-AT	07/22/04	1	21,600	2,870	2,200	--	--
Well-AT	08/03/04	1	28,700	3,320	2,580	--	--
Well-AT	08/11/04	1	23,300	3,030	2,320	--	--
Well-AT	08/12/04	1	30,900	3,030	2,620	--	--
Well-AT	08/13/04	1	20,700	3,030	2,220	--	--

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AT	08/21/04	1	26,700	3,030	2,460	--	--
Well-AT	08/31/04		17,124	157	250	--	--
Well-AT	12/28/04	1	<4,060	4,060	1,260	--	--
Well-AT	01/19/05		1,991	159	124	0.286	163
Well-AT	03/02/05	1	40,200	3,670	3,030	--	--
Well-AT	03/07/05	1	21,200	3,490	2,330	--	--
Well-AT	03/14/05	1	58,400	4,320	3,660	--	--
Well-AT	03/23/05		10,039	150	195	--	--
Well-AT	03/28/05		7,973	148	176	--	--
Well-AT	04/18/05		4,974	151	153	0.267	396
Well-AT	05/18/05		3,451	151	136	--	--
Well-AT	06/22/05		1,777	145	112	--	--
Well-AT	07/19/05		1,687	146	112	--	--
Well-AT	08/15/05		1,578	150	112	--	--
Well-AT	10/17/05		2,224	157	124	--	--
Well-AT	11/15/05		1,451	151	112	--	--
Well-AT	12/12/05		1,722	153	116	--	--
Well-AT	01/24/06		2,139	153	121	--	--
Well-AT	02/22/06		2,375	152	123	--	--
Well-AT	02/23/06	1	<3,920	3,920	NA	--	--
Well-AT	03/21/06	1	<3,730	3,730	NA	--	--
Well-AT	04/17/06		1,396	159	115	--	--
Well-AT	05/15/06		1,517	156	115	--	--
Well-AT	06/20/06		1,911	151	117	--	--
Well-AT	07/24/06		2,110	151	120	--	--
Well-AT	08/22/06		3,715	152	139	--	--
Well-AT	09/21/06		4,002	158	145	--	--
Well-AT	10/06/06		4,785	159	154	--	--
Well-AT	11/16/06		6,235	170	178	--	--

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-AT	12/15/06		2,458	166	134	--	--
Well-AT	01/23/07		2,103	146	118	--	--
Well-AT	02/06/07		1,401	149	110	--	--
Well-AT	03/14/07		2,359	197	152	--	--
Well-AT	04/24/07		4,046	160	149	--	--
Well-AT	05/22/07		3,482	151	135	--	--
Well-AT	06/19/07		1,892	143	112	--	--
Well-AT	07/19/07		2,158	145	116	--	--
Well-AT	08/22/07	1	<4,280	4,280	NA	--	--
Well-AT	08/23/07		2,182	148	118	--	--
Well-AT	09/20/07		2,114	148	118	--	--
Well-AT	10/17/07		1,705	149	112	--	--
Well-AT	11/15/07		2,221	176	136	--	--
Well-AT	12/13/07		4,326	140	137	--	--
Well-AT	03/12/08	1	49,500	4,890	3,700	--	--
Well-AT	04/23/08	1	70,000	5,060	4,490	--	--
Well-AT	05/09/08		14,174	136	210	--	--
Well-AT	08/28/08		707	139	94	--	--
Well-AT	12/18/08		3,250	132	121	--	--
Well-AV	07/20/05		3,060	NA	NA	--	--
Well-AY	07/20/05		3,000	NA	NA	--	--
Well-AZ	07/20/05		8,710	NA	NA	--	--
Well-BA	10/16/06		<157	157	94	--	--
Well-BA	04/10/07		<126	126	75	--	--
Well-BA	05/07/07		172	172	105	--	--
Well-BA	10/17/07		<150	150	89	--	--

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			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-BA	04/17/08		<147	147	88	--	--
Well-BA	10/20/08		<133	133	78	--	--
Well-BB	10/16/06		289	162	101	--	--
Well-BB	12/08/06		338	165	104	--	--
Well-BB	04/10/07		<161	161	97	--	--
Well-BB	10/17/07		<149	149	89	--	--
Well-BB	04/17/08		168	143	88	--	--
Well-BB	10/20/08		<134	134	81	--	--
Well-BC	10/16/06		<163	163	98	--	--
Well-BC	04/10/07		<162	162	94	--	--
Well-BC	10/17/07		<150	150	89	--	--
Well-BC	04/17/08		<144	144	86	--	--
Well-BD	10/16/06		325	157	99	--	--
Well-BD	04/10/07		256	152	95	--	--
Well-BD	10/10/07		264	156	97	--	--
Well-BD	04/22/08		323	148	93	--	--
Well-BD	10/20/08		264	133	83	--	--
Well-BE	10/16/06		<159	159	95	--	--
Well-BE	04/10/07		<168	168	98	--	--
Well-BE	10/10/07		<158	158	93	--	--
Well-BE	04/17/08		<152	152	90	--	--
Well-BE	10/21/08		659	134	90	--	--
Well-BF	10/16/06		<155	155	91	--	--
Well-BF	04/11/07		<164	164	94	--	--
Well-BF	10/17/07		<189	189	109	--	--
Well-BF	04/17/08		<152	152	91	--	--

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for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-BF	10/21/08		<136	136	80	--	--
Well-BG	10/17/06		<162	162	97	--	--
Well-BG	04/11/07		<152	152	92	--	--
Well-BG	11/01/07		<165	165	94	--	--
Well-BG	04/22/08		322	152	95	--	--
Well-BG	10/21/08		<137	137	82	--	--
Well-BU	04/24/07		<181	181	106	--	--
Well-BU	10/18/07		<153	153	90	--	--
Well-BU	04/16/08		<157	157	94	--	--
Well-BU	10/27/08		<149	149	88	--	--
Well-BW	02/24/07		2,556	162	132	--	--
Well-BW	03/27/07		3,728	164	149	--	--
Well-BW	04/20/07		3,054	159	138	--	--
Well-BW	05/22/07		1,517	168	122	--	--
Well-BW	06/25/07	1	<3,730	3,730	NA	--	--
Well-BW	07/12/07		1,593	146	110	--	--
Well-BW	08/22/07		1,719	149	113	--	--
Well-BW	09/21/07		1,917	149	115	--	--
Well-BW	10/09/07		2,056	150	117	--	--
Well-BW	11/20/07		1,729	179	132	--	--
Well-BW	12/19/07		1,641	147	111	--	--
Well-BW	01/16/08		1,638	141	107	--	--
Well-BW	02/25/08		1,347	142	104	--	--
Well-BW	03/13/08		1,201	138	100	--	--
Well-BW	04/02/08		1,657	151	113	--	--
Well-BW	05/28/08		762	136	93	--	--
Well-BW	06/19/08		1,299	135	99	--	--

Notes:

LLD Lower Limit of Detection

mg/L Milligrams per liter

pCi/L Picocuries per liter

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762 Constituent was detected above the laboratory method detection limit.

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Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-BW	07/08/08		1,569	129	100	--	--
Well-BW	08/18/08		1,549	131	101	--	--
Well-BW	09/22/08		1,915	128	104	--	--
Well-BW	10/18/08		1,748	135	106	--	--
Well-BW	11/21/08		1,347	144	105	--	--
Well-BW	12/04/08		1,803	146	113	--	--
Well-BX	02/24/07		1,958	155	120	--	--
Well-BX	03/27/07		962	151	105	--	--
Well-BX	04/20/07		883	161	110	--	--
Well-BX	05/22/07		1,265	138	102	--	--
Well-BX	06/25/07	1	<3,730	3,730	NA	--	--
Well-BX	07/12/07		1,556	144	108	--	--
Well-BX	08/22/07		1,806	147	113	--	--
Well-BX	09/21/07		1,430	150	110	--	--
Well-BX	10/09/07		996	151	104	--	--
Well-BX	11/20/07		1,270	173	122	--	--
Well-BX	12/19/07		1,378	146	107	--	--
Well-BX	01/16/08		1,097	154	107	--	--
Well-BX	02/25/08		599	142	94	--	--
Well-BX	03/13/08		536	139	91	--	--
Well-BX	04/02/08		864	151	103	--	--
Well-BX	05/28/08		770	137	93	--	--
Well-BX	06/19/08		1,115	135	97	--	--
Well-BX	07/08/08		1,354	129	97	--	--
Well-BX	08/18/08		1,189	139	101	--	--
Well-BX	09/22/08		3,213	130	120	--	--
Well-BX	10/18/08		1,585	149	111	--	--
Well-BX	11/21/08		968	144	100	--	--

Notes:

- LLD Lower Limit of Detection
- mg/L Milligrams per liter
- pCi/L Picocuries per liter
- 1 Reported analytical results are from Salem Chemistry.
- < Constituent was not detected above the indicated laboratory detection limit.
- 762 Constituent was detected above the laboratory method detection limit.
- 20,000 Constituent was detected above its New Jersey Groundwater Quality Criteria.
- NA Not Available - Deviation and/or LLD were not reported.
- Constituent not analyzed.

Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-BX	12/04/08		1,147	132	96	--	--
Well-CA	02/21/07		695	161	107	--	--
Well-CA	03/15/07		932	165	113	--	--
Well-CA	04/11/07		853	160	109	--	--
Well-CA	05/22/07		665	170	111	--	--
Well-CA	06/19/07		639	138	92	--	--
Well-CA	07/12/07		710	144	96	--	--
Well-CA	08/22/07		670	147	97	--	--
Well-CA	09/20/07		599	150	98	--	--
Well-CA	10/09/07		549	153	99	--	--
Well-CA	11/19/07		437	177	112	--	--
Well-CA	12/19/07		729	146	98	--	--
Well-CA	01/16/08		792	156	104	--	--
Well-CA	02/20/08		817	141	96	--	--
Well-CA	05/28/08		1,006	137	97	--	--
Well-CA	06/19/08		992	137	97	--	--
Well-CA	07/08/08		964	133	94	--	--
Well-CA	08/18/08		647	139	92	--	--
Well-CA	09/22/08		753	128	88	--	--
Well-CA	10/18/08		568	152	99	--	--
Well-CA	11/21/08		1,330	145	106	--	--
Well-CA	12/04/08		828	135	93	--	--
Well-CB	02/21/07		156	152	93	--	--
Well-CB	03/27/07		<158	158	95	--	--
Well-CB	04/11/07		<162	162	97	--	--
Well-CB	05/22/07		<180	180	106	--	--
Well-CB	06/19/07		<145	145	87	--	--
Well-CB	07/12/07		<147	147	89	--	--

Notes:

- LLD Lower Limit of Detection
- mg/L Milligrams per liter
- pCi/L Picocuries per liter
- 1 Reported analytical results are from Salem Chemistry.
- < Constituent was not detected above the indicated laboratory detection limit.
- 762 Constituent was detected above the laboratory method detection limit.
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- Constituent not analyzed.

Table 02. Groundwater Analytical Results, PSEG Nuclear, LLC, Salem Generating Station.
for Samples collected between 01/22/2003 and 12/31/2008

Well Identification	Sample Date	Note	Tritium			Major Cations and Anions	
			Result (pCi/L)	LLD	Deviation	Boron(mg/L)	Sodium(mg/L)
Well-CB	08/22/07		<149	149	90	--	--
Well-CB	09/20/07		<144	144	87	--	--
Well-CB	10/09/07		<150	150	89	--	--
Well-CB	11/19/07		<180	180	108	--	--
Well-CB	12/19/07		<146	146	89	--	--
Well-CB	01/16/08		<152	152	91	--	--
Well-CB	02/20/08		181	141	87	--	--
Well-CB	05/28/08		1,813	137	107	--	--
Well-CB	05/29/08	1	<3,730	3,730	NA	--	--
Well-CB	06/19/08		1,499	143	106	--	--
Well-CB	07/08/08		2,730	129	114	--	--
Well-CB	08/18/08		1,674	139	107	--	--
Well-CB	09/22/08		6,296	146	157	--	--
Well-CB	10/18/08		2,074	150	118	--	--
Well-CB	11/21/08		1,114	134	97	--	--
Well-CB	12/04/08		861	133	92	--	--

Notes:

- LLD Lower Limit of Detection
- mg/L Milligrams per liter
- pCi/L Picocuries per liter
- 1 Reported analytical results are from Salem Chemistry.
- < Constituent was not detected above the indicated laboratory detection limit.
- 762 Constituent was detected above the laboratory method detection limit.
- 20,000 Constituent was detected above its New Jersey Groundwater Quality Criteria.
- NA Not Available - Deviation and/or LLD were not reported.
- Constituent not analyzed.

Table 03. Unit 1 Seismic Gap Drain Tritium Analytical Results, PSEG Nuclear, LLC, Salem Generating Station

Date of Operation	Tritium Results (pCi/L)
October 5, 2004	2,590,000
October 13, 2004	74,600,000
October 21, 2004	75,600,000
October 27, 2004	1,920,000
November 3, 2004	66,300,000
November 8, 2004	103,000,000
November 15, 2004	61,900,000
November 23, 2004	46,800,000
December 1, 2004	40,400,000
December 8, 2004	63,400,000
December 14, 2004	44,800,000
December 21, 2004	89,900,000
January 4, 2005	13,600,000
January 11, 2005	40,900,000
January 19, 2005	17,700,000
January 24, 2005	57,900,000
February 2, 2005	46,700,000
February 9, 2005	53,800,000
February 25, 2005	26,800,000
February 28, 2005	59,400,000
March 9, 2005	31,800,000
March 18, 2005	44,200,000
April 1, 2005	39,300,000
April 13, 2005	34,600,000 ¹
April 21, 2005	29,900,000
May 11, 2005	25,600,000
May 19, 2005	33,400,000
May 25, 2005	37,400,000
June 9, 2005	35,800,000
July 8, 2005	31,800,000
July 15, 2005	47,900,000
September 4, 2005	32,600,000
September 28, 2005	50,300,000
November 27, 2005	29,700,000
December 26, 2005	27,800,000
February 19, 2006	28,000,000 ¹
March 13, 2006	28,000,000 ¹
March 20, 2006	28,000,000 ¹
March 27, 2006	28,000,000 ¹
April 10, 2006	58,400,000
April 17, 2006	70,300,000
April 23, 2006	70,300,000
May 1, 2006	74,600,000
May 7, 2006	88,000,000
May 14, 2006	85,800,000
May 20, 2006	83,800,000
May 27, 2006	6,970,000
May 29, 2006	ND
June 5, 2006	ND
June 12, 2006	73,100,000
June 18, 2006	58,400,000
June 25, 2006	72,400,000
June 29, 2006	63,200,000
July 2, 2006	30,000,000
July 15, 2006	30,000,000
July 22, 2006	63,200,000
July 29, 2006	36,300,000
August 5, 2006	45,800,000
August 12, 2006	68,600,000
August 20, 2006	68,600,000
September 17, 2006	123,000,000
September 30, 2006	118,000,000
October 7, 2006	128,000,000
October 14, 2006	133,000,000
October 21, 2006	116,000,000
October 28, 2006	84,000,000
November 4, 2006	113,000,000
November 11, 2006	100,000,000

Notes:

¹ concentration estimated based upon results of prior events

ND = Data not available

Volume data after September 2005 estimated due to change in draining procedure

Table 03. Unit 1 Seismic Gap Drain Tritium Analytical Results, PSEG Nuclear, LLC, Salem Generating Station

Date of Operation	Tritium Results (pCi/L)
November 19, 2006	97,200,000
November 25, 2006	116,000,000
December 2, 2006	122,000,000
December 9, 2006	110,000,000
December 17, 2006	100,000,000
December 23, 2006	115,000,000
December 31, 2006	134,000,000
January 8, 2007	131,000,000
January 14, 2007	105,000,000
January 21, 2007	102,000,000
January 27, 2007	77,900,000
February 3, 2007	71,800,000
February 11, 2007	67,700,000
February 17, 2007	67,400,000
February 24, 2007	66,400,000
March 3, 2007	76,000,000
March 7, 2007	40,800,000
March 25, 2007	75,800,000
April 15, 2007	69,900,000
April 20, 2007	1,770,000
May 1, 2007	58,600,000
May 6, 2007	79,100,000
May 11, 2007	80,900,000
May 13, 2007	77,100,000
May 15, 2007	82,300,000
May 16, 2007	82,600,000
May 18, 2007	82,900,000
June 1, 2007	65,700,000
June 10, 2007	66,600,000
June 17, 2007	63,200,000
June 21, 2007	70,200,000
June 24, 2007	73,900,000
June 26, 2007	81,400,000
July 6, 2007	39,000,000
July 8, 2007	1,970,000
July 11, 2007	66,200,000
July 19, 2007	60,400,000
July 24, 2007	57,300,000
July 29, 2007	12,800,000
August 5, 2007	61,500,000
August 12, 2007	66,600,000
August 15, 2007	71,400,000
August 21, 2007	76,400,000
August 26, 2007	66,300,000
September 6, 2007	88,200,000
September 9, 2007	87,000,000
September 16, 2007	89,000,000
September 26, 2007	100,000,000
October 7, 2007	94,600,000
October 14, 2007	98,200,000
October 21, 2007	190,000,000
October 24, 2007	107,000,000
November 1, 2007	100,000,000
November 4, 2007	97,400,000
November 11, 2007	102,000,000
November 19, 2007	4,800,000
November 30, 2007	99,000,000
December 9, 2007	124,000,000
December 16, 2007	107,000,000
December 23, 2007	40,500,000
January 6, 2008	107,000,000
January 13, 2008	70,900,000
January 20, 2008	104,000,000
January 27, 2008	ND
February 3, 2008	139,000,000
February 10, 2008	509,000
February 17, 2008	ND
February 20, 2008	144,000,000
February 24, 2008	142,000,000
March 2, 2008	149,000,000
March 9, 2008	142,000,000
March 16, 2008	169,000,000
March 23, 2008	178,000,000
March 30, 2008	164,000,000
April 6, 2008	181,000,000
April 13, 2008	170,000,000
April 20, 2008	183,000,000
April 27, 2008	5,860,000
May 4, 2008	169,000,000
May 11, 2008	159,000,000

Table 03. Unit 1 Seismic Gap Drain Tritium Analytical Results, PSEG Nuclear, LLC, Salem Generating Station

Date of Operation	Tritium Results (pCi/L)
May 19, 2008	154,000,000
May 25, 2008	82,000,000
June 1, 2008	145,000,000
June 10, 2008	150,000,000
June 15, 2008	110,000,000
June 22, 2008	168,000,000
June 29, 2008	191,000,000
July 6, 2008	231,000,000
July 13, 2008	ND
July 20, 2008	212,000,000
July 27, 2008	212,000,000
August 3, 2008	209,000,000
August 10, 2008	165,000,000
August 16, 2008	221,000,000
August 24, 2008	229,000,000
August 31, 2008	246,000,000
September 7, 2008	ND
September 14, 2008	250,000,000
September 21, 2008	246,000,000
September 28, 2008	ND
October 5, 2008	ND
October 12, 2008	ND
October 19, 2008	ND
October 27, 2008	200,000,000
November 2, 2008	238,000,000
November 9, 2008	ND
November 23, 2008	ND
November 30, 2008	ND
December 6, 2008	172,000,000
December 14, 2008	186,000,000
December 21, 2008	181,000,000
December 27, 2008	202,000,000

Notes:

¹ concentration estimated based upon results of prior events

ND = Data not available

Volume data after September 2005 estimated due to change in draining proceeds

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TABLE ELEVATION CONTOURS
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TABLE ELEVATION CONTOURS
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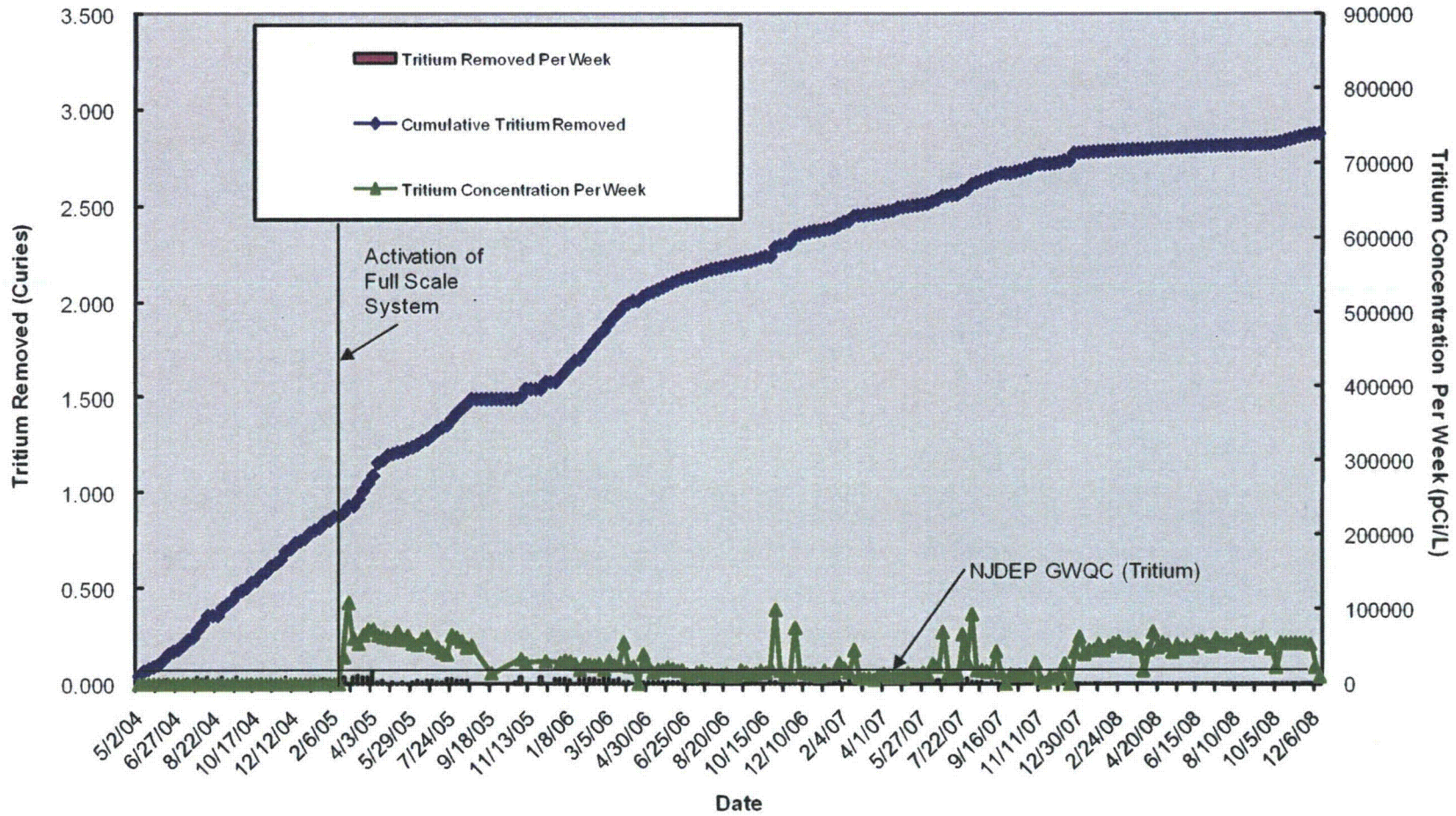
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D-07

PSEG Nuclear, LLC Salem Generating Station - Unit 1 Tritium Recovered Through Well Field Operation



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Project Director P. MILONIS
Task Manager C. SHARPE
Technical Review C. SHARPE

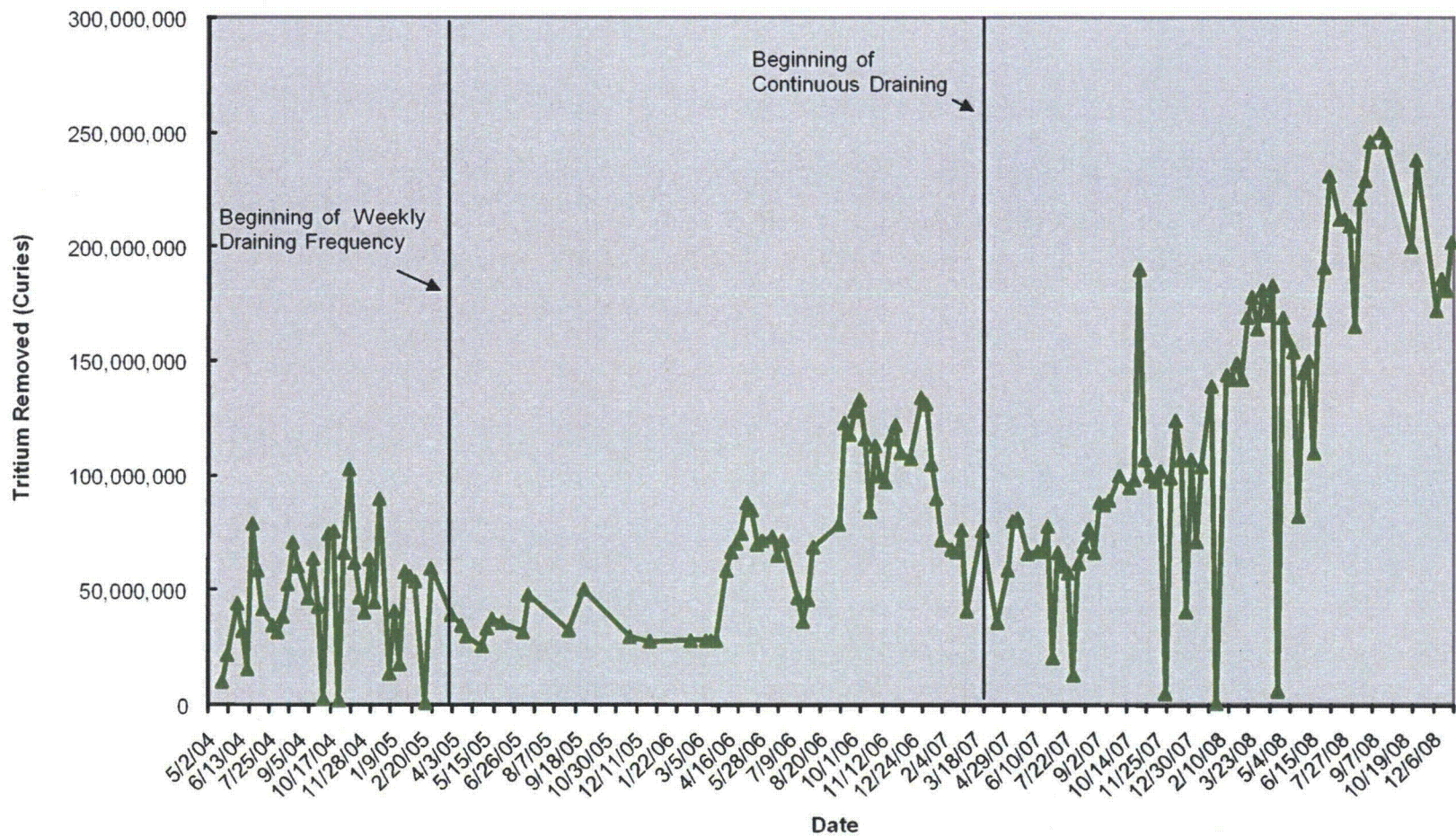
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PSEG NUCLEAR, LLC
SALEM GENERATING STATION
HISTORIC TRITIUM RECOVERED THROUGH
WELL FIELD OPERATION

HANCOCK'S BRIDGE, NEW JERSEY

Project Number NP000571.0007
Drawing Date 20 MAY, 2009
Figure 8

PSEG Nuclear, LLC Salem Generating Station - Unit 1 Concentrations of Tritium in Water Recovered Through Seismic Gap Drain Operation



Area Manager	R. GAN
Project Director	P. MILIONS
Task Manager	C. SHARPE
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PSEG NUCLEAR, LLC
 SALEM GENERATING STATION

HISTORIC TRITIUM CONCENTRATIONS OBSERVED DURING SEISMIC GAP DRAIN OPERATION

HANCOCK'S BRIDGE, NEW JERSEY

Project Number	NP000571.0007
Drawing Date	20 MAY, 2009
Figure	9