

**BSC**

**Calculation/Analysis Change Notice**

1. QA: QA  
2. Page 1 of 70

Complete only applicable items.

3. Document Identifier: 000-00C-MGR0-00900-000		4. Rev.: 00E	5. CACN: 002 <i>BSC</i> <i>2/12/09</i>
6. Title: Preclosure Consequence Analyses			
7. Reason for Change: This calculation determines the consequences from normal operations and event sequences from surface and subsurface facilities during the preclosure period. This CACN is needed because three CRs identified errors in the calculation and in a referenced calculation.  CR12284 identified an error in the SUM <sup>3</sup> module of GENII Version 2.05 that affects the analysis presented in Appendix III.  CR12381 identified three light elements having incorrect source terms for the Pressurized Water Reactor (PWR) representative fuel. The values for <sup>14</sup> C and <sup>36</sup> Cl are higher and <sup>3</sup> H are lower than the correct values.  CR12741 identified three errors in Appendix III of this calculation:  1. Table III-5 in Appendix III compares deterministic and stochastic results for several radionuclides. For <sup>241</sup> Am, this table indicates large difference between them. This is due to an incorrect source term entered for <sup>241</sup> Am in the GENII run (7.27 Ci). When the correct source term (1,180 Ci) is used, the results between the deterministic and stochastic results (Columns 3 and 4) are the same. The error may also cause Table III-6 (Column 2) to change slightly, but the conclusion of selected important parameters (highlighted in green in Table III-6) is the same. Furthermore, this error has no impact to the final results of the uncertainty study.  2. Table III-9 in Appendix III erroneously reports a long-term dose for <sup>85</sup> Kr when in actuality it is zero.  3. In addition, Note b for Tables III-5, III-9 and III-10 does not accurately express the daughter product contribution to the dose. This may also impact the information provided in Tables III-5 and III-11. Further evaluation will be performed.  In addition, this CACN replaces a duplicate reference with a new reference used in a new assumption clarifying the use of the Geologic Repository Operations Area (GROA) atmospheric dispersion factors, $\chi/Q$ values, for the Aging Facility. A new reference is added to clarify the date for the Idaho National Laboratory high level radioactive waste inventory in Table 8. Minor editorial changes are also implemented. The entire list of files in Appendix X is replaced due to the Microsoft Windows operating system time anomaly for daylight savings time.			
8. Supersedes Change Notice:		<input type="checkbox"/> Yes    If, Yes, CACN No.: _____ <input checked="" type="checkbox"/> No	
9. Change Impact:			
Inputs Changed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Results Impacted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Assumptions Changed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Design Impacted: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

10. Description of Change:

There is no change to the calculation method and conclusions of this calculation by this CACN002

Affected calculation pages: 28, 29, 36 to 38, 62, 63, 67, 68, 71, 78, 80, 81, 87, 90, 95, 99, 100, 124, 125, 133, 153, 155, III-13, III-14, III-16, III-17, III-22, III-28, X3 to X40.

Added pages: X41.

Pages affected by the resolution to CR12284: III-13

Pages affected by the resolution to CR12381: 67, 68, 124, 125

Pages affected by the resolution to CR12741: III-14, III-16, III-17, III-22

Replaced Reference 2.2.57 on page 28, a duplicate of Reference 2.2.13, with a new reference used in Assumption 3.2.17.

Added Reference 2.2.70 on page 29.

Added Assumption 3.2.17 on pages 37 and 38 clarifying the use of the GROA  $\chi/Q$  values for the Aging Facility.

Added a note clarifying the date for disposal of INL HLW waste on page 71.

Editorial corrections were performed on pages 36, 38, 62, 63, 78, 80, 95, 99, 100, 133, 153, 155, III-28.

Appendix X, listing of the electronic files contained in the appendix XI CD-ROM was regenerated to address Microsoft Windows operating system time anomaly for daylight savings.

The detailed changes to the calculation are presented in the following pages to be inserted into this calculation.

11. REVIEWS AND APPROVAL

Printed Name	Signature	Date
11a. Originator: J. Schulz	<i>Jorge Schulz</i>	12/16/2008
11b. Checker: D. T. Dexheimer	<i>D. T. Dexheimer</i>	12/16/08
11c. EGS: S. S. Tsai	<i>S. S. Tsai</i>	12/16/08
11d. DEM: M. Frank	<i>M. Frank</i>	2/9/08
11e. Design Authority: B. Rusinko	<i>B. Rusinko</i>	2/12/09

- 2.2.55 ICRP (International Commission on Radiological Protection) 1995. *Dose Coefficients for Intakes of Radionuclides by Workers, Replacement of ICRP Publication 61*. Volume 24, No. 4 of *Annals of the ICRP*. ICRP Publication 68. Tarrytown, New York: Pergamon. TIC: 235867. [DIRS 172721]
- 2.2.56 ICRP 2001. *The ICRP Database of Dose Coefficients: Workers and Members of the Public*. ICRP Publications 68. [New York, New York]: Elsevier. TIC: 255638. [DIRS 172979]
- 2.2.57 BSC 2008. *Effects of Withdrawal Area Boundary Coordinates and Aging Pads Location on General Public Atmospheric Dispersion Factors*. 000-30R-MGR0-04100-000-00A. Las Vegas, Nevada: Bechtel SAIC Company. ACC: ENG.20080905.0004.
- 2.2.58 BSC 2007. *Low-Level Waste Facility General Arrangement Sections A, B, & C*. 160-P10-LW00-00105-000-00A. Las Vegas, Nevada: Bechtel SAIC Company. ACC: ENG.20070924.0029.
- 2.2.59 NRC (U.S. Nuclear Regulatory Commission) 2002. *Interim Staff Guidance 1. Damaged Fuel*. ISG-1, Rev. 1. Washington, D.C.: U.S. Nuclear Regulatory Commission. ACC: MOL.20061121.0044. [DIRS 164018]
- 2.2.60 EIA (Energy Information Administration) 2004. "Spent Nuclear Fuel Data, Detailed United States as of December 31, 2002." [Washington, D.C.]: U.S. Department of Energy, Energy Information Administration. Accessed March 8, 2005. ACC: MOL.20050306.0374.  
URL: [http://www.eia.doe.gov/cneaf/nuclear/spent\\_fuel/ussnfddata.html](http://www.eia.doe.gov/cneaf/nuclear/spent_fuel/ussnfddata.html) [DIRS 172860]
- 2.2.61 Bailey, W.J. and Wu, S. 1990. *Fuel Performance Annual Report for 1988*. NUREG/CR-3950. Washington, D.C.: U.S. Nuclear Regulatory Commission. TIC: 245644. [DIRS 109192]
- 2.2.62 Potts, G.A. and Proebstle, R.A. 1994. "Recent GE BWR Fuel Experience." *Proceedings of the 1994 International Topical Meeting on Light Water Reactor Fuel Performance, West Palm Beach, Florida, April 17-21, 1994*. Pages 87-95. La Grange Park, Illinois: American Nuclear Society. TIC: 243043. [DIRS 107774]
- 2.2.63 Yang, R.L. 1997. "Meeting the Challenge of Managing Nuclear Fuel in a Competitive Environment." *Proceedings of the 1997 International Topical Meeting on LWR Fuel Performance, Portland, Oregon, March 2-6, 1997*. Pages 3-10. La Grange Park, Illinois: American Nuclear Society. TIC: 232556. [DIRS 102049]
- 2.2.64 Yang, R.; Ozer, O.; Edsinger, K.; Cheng, B.; and Deshon, J. 2004. "An Integrated Approach to Maximizing Fuel Reliability." *2004 International Meeting on LWR Fuel Performance, Orlando, Florida, September 19-22, 2004. Paper 1119*, 11-17. La Grange Park, Illinois: American Nuclear Society. TIC: 256786. [DIRS 172866]

- 2.2.65 Yang, R.L.; Ozer, O.; and Klepfer, H.H. 1991. *Fuel Performance Evaluation for EPRI Program Planning*. Volume 1 of *International Topical Meeting on LWR Fuel Performance, Avignon (France), April 21-24, 1991, Proceedings, Fuel for the 90's*. Pages 258-271. La Grange Park, Illinois: American Nuclear Society. TIC: 243519. [DIRS 125302]
- 2.2.66 McDonald, S.G. and Kaiser, R.S. 1985. "The Impact of Metallic Debris on Fuel Performance - A Case History." *Proceedings, American Nuclear Society Topical Meeting on Light Water Reactor Fuel Performance, Orlando, Florida, April 21-24, 1985*. DOE/NE/34130-1. Volume 1. La Grange Park, Illinois: American Nuclear Society. TIC: 226810. [DIRS 101725]
- 2.2.67 EPRI (Electric Power Research Institute) 1997. *The Technical Basis for the Classification of Failed Fuel in the Back-End of the Fuel Cycle*. EPRI TR-108237. Palo Alto, California: Electric Power Research Institute. TIC: 236839. [DIRS 100444]
- 2.2.68 DOE (U.S. Department of Energy) 2007. *Transportation, Aging and Disposal Canister System Performance Specification*. WMO-TADCS-000001, Rev. 0. Washington, D.C.: U.S. Department of Energy, Office of Civilian Radioactive Waste Management. ACC: DOC.20070614.0007. [DIRS 181403]
- 2.2.69 Sprung, J.L.; Ammerman, D.J.; Breivik, N.L.; Dukart, R.J.; Kanipe, F.L.; Koski, J.A.; Mills, G.S.; Neuhauser, K.S.; Radloff, H.D.; Weiner, R.F.; and Yoshimura, H.R. 2000. *Reexamination of Spent Fuel Shipment Risk Estimates*. NUREG/CR-6672. Two volumes. Washington, D.C.: U.S. Nuclear Regulatory Commission. ACC: MOL.20001010.0217. [DIRS 152476]
- 2.2.70 INEEL (Idaho National Engineering and Environmental Laboratory) 1998. *Accelerating Cleanup: Paths to Closure Idaho Operations Office*. PLN-177. Idaho Falls, Idaho: Idaho National Engineering and Environmental Laboratory. ACC: MOL.20010724.0329.

### 2.3 DESIGN CONSTRAINTS

There are no design constraints.

### 2.4 DESIGN OUTPUTS

This calculation does not support a specific engineering drawing, specification, or design list.

### 3.2.11 Ingestion Doses

Offsite members of the public in the general environment receive a dose due to the ingestion of contaminated food and soil. Onsite radiation workers, onsite members of the public, and offsite members of the public not in the general environment do not receive a dose through the ingestion pathway.

**Rationale:** Radionuclides from an airborne release are depleted as the plume travels and is dispersed. The radionuclides are deposited on the soil, and on the vegetation, which can then be ingested by animals and people. Ground vegetation can also absorb the radionuclides from the soil and water as it grows, after which animals and people may ingest it. The ingestion dose is calculated from this ingestion intake of food crops and animal products containing nuclide concentrations as a result of an airborne release. No ingestion of contaminated food is expected for onsite radiation workers, onsite members of the public and offsite members of the public not in the general environment. Thus, ingestion dose is only calculated for offsite public in the general environment.

### 3.2.12 Bounding Fire Event Sequence

The bounding Category 2 fire event consists of a fire in the LLWF that consumes the entire combustible LLW inventory in the LLWF and damages the HEPA filters staged in B-25 boxes.

**Rationale:** The LLWF inventory includes combustible dry active waste (DAW) in bags and drums; WHF pool filters in HICs; WHF spent resins in HICs; and non-combustible waste including empty dual-purpose canisters (DPCs); the contents of the liquid waste collection tanks, and HEPA filters in B-25 boxes. Including the entire combustible inventory in the fire is conservative. It is unlikely that an actual fire could consume all the combustible material because (1) some of it is in non-flammable containers, (2) internal walls and building structure may prevent the spread of the fire to some of the waste, and (3) some waste containers may be stored in such a way that enough oxygen to support combustion cannot reach all of the containers.

### 3.2.13 Breathing Rates for Onsite Public and Public not in the General Environment

The breathing rate for the onsite public and the public located beyond the site boundary but not in the general environment is the 0 – 8 hour acute breathing rate determined in Reference 2.2.10 and shown in Table 16, is used for normal releases and Category 1 and Category 2 event sequences.

**Rationale:** Because no one can live onsite or offsite not in the general environment (i.e. in the Nevada Test Site or in the Nevada Test and Training Range) individuals in these locations are workers or visitors that are performing various activities. Therefore, it is appropriate to use the higher breathing rate considered for the calculation of doses from acute releases.

### 3.2.14 Fraction of a Day Outdoor Inhalation and Air Submersion Occurs for Event Sequences

For evaluating event sequence dose consequences involving inhalation and air submersion, the fraction of the day that outdoor inhalation and air submersion occurs is 1.0 for short duration events, such as burst or drop events. For long duration release events such as oxidation, a fraction of a day value of 0.35 is used for receptors with exposure periods based on a normal work schedule.

**Rationale:** The exposure period applies to inhalation and outdoor air submersion. For short duration events it is appropriate and conservative to consider that the affected individuals will be exposed outdoors for the entire exposure period. For long duration exposures, such as oxidation events, it is bounding to have a member of the public in the general environment spend the entire exposure period outdoors because it maximizes the exposure to contaminated outdoor air. For other receptors in which individuals are in a work environment, the exposure period is based on a normal work schedule of 8.5 hours per day (i.e. 0.35 fraction of a day).

### 3.2.15 Fall Season for Event Sequence Release Timing

In modeling the dose consequences from an event sequence, a fall season event is assumed and the input to the GENII model (Section 4.3.3) is September 1, at 0 hour.

**Rationale:** Ingestion exposure pathways include local farm products, local animal products, and inadvertent soil intake. As the radioactive plume passes, radionuclides deposit on the ground and directly contaminate soil and vegetation. Vegetation can also become contaminated indirectly by uptake of radionuclides from the soil during the growing season, during which radioactive decay occurs. The Category 2 event sequence exposure time is 30 days (Assumption 3.2.3), which is shorter than the growing season for most farm produce. A fall season event is modeled in the GENII code (Reference 2.2.12) because it occurs immediately before the harvest of the farm produce contaminated by the plume passage. This modeling approach yields the shortest time for radioactive decay, which maximizes the amount of radioactive material available for ingestion and thereby results in the highest calculated ingestion dose. Thus, this assumption is conservative.

### 3.2.16 HEPA Filter Replacement Schedule

It is assumed that the HEPA filters are replaced every 18 months.

**Rationale:** Radionuclide buildup occurs on the HEPA filters in the WHF during normal operations. Reference 2.2.13, Sections 3.1.9 and 6.1.6.7 gives a replacement schedule of 10 months in order to maintain the filters as Class C low-level waste. By assuming that the filters are replaced on an 18-month schedule, additional filter loading occurs resulting in higher concentrations of radionuclides and higher doses from accidents involving these filters.

### 3.2.17 Applicability of GROA Atmospheric Dispersion Factors to Aging Facility

The use of GROA maximum atmospheric dispersion factors ( $\chi/Qs$ ) and deposition rates for radionuclide releases from the Aging Facility to the general environment and the non-general environment is conservative.

**Rationale:** The Aging Facility is located directly north of the surface facilities as shown on drawing 170-P10-AP00-00101-000-00C (Reference 2.2.41). For receptors in the general environment, Cases 10, 11, and 12 in Section 5.3 of 000-30R-MGR0-04100-000-000 (Reference 2.2.57) shows that  $\chi/Qs$  and deposition rates for the Aging Facility are lower for receptors in the general environment than the corresponding maximum  $\chi/Qs$  and deposition rates from the GROA. For receptors not in the general environment, Cases 4, 5, and 6 in Section 5.3 of 000-30R-MGR0-04100-000-000 shows that  $\chi/Qs$  and deposition rates for the Aging Facility are lower than the corresponding maximum  $\chi/Q$  values from the GROA. Therefore, it is conservative to use the GROA  $\chi/Qs$  and deposition rates for radionuclide releases from the Aging Facility to the worst sector in the general environment and in the non-general environment.

## 3.3 ASSUMPTIONS NOT REQUIRING VERIFICATION THAT RESULT IN DESIGN OR OPERATIONAL REQUIREMENTS

### 3.3.1 Maximum Annual Receipt Rate

The nominal annual receipt rate of commercial SNF and HLW of 3,000 metric tons of heavy metal (MTHM) (Reference 2.2.14, Section 2.2.1.2) is conservatively increased by a factor of 20%.

**Rationale:** For the purposes of this calculation a maximum annual receipt rate of 3,600 MTHM of commercial SNF provides additional margin in the calculation of doses from normal operation releases. Therefore, this is a conservative assumption.

### 3.3.2 Primary Confinement Ventilation and Filtration Availability

The ventilation system and HEPA filters for facilities with Category 2 event sequences resulting in radionuclide releases with filtration credit must be available for the duration of the event (30 days for Category 2 event sequences).

**Rationale:** The doses calculated in Sections 6.6 and 6.8 are based on HEPA filtration for the duration of the event. Per Assumption 3.2.3 the exposure duration for Category 2 event sequences is 30 days; therefore, the ventilation system and HEPA filtration must be available for at least 30 days from the onset of the event.

### 3.3.3 Doses to Onsite Public and Workers from Ground Contamination

Doses to onsite public and workers from ground contamination are not considered.

**Rationale:** The surface and subsurface facilities are under the control of the licensee and are monitored for potential radiation contamination. If elevated radiation levels are found, appropriate remedial steps will be taken to reduce the radiation levels.

12 times per year, and there are 10 containers per shipment. Therefore, the space provided in room 1009 is adequate for HEPA filters. Conservatively, the number of containers from Reference 2.2.26 was doubled to ensure that the LLWF was at full capacity during the postulated fire event sequence and the seismic event sequence. Reference 2.2.27 provides the dimensions for the waste containers and the expected amount of DAW in the sorting room. The number of containers is presented in Table 3.

Table 3. Number and Dimensions of Low-Level Waste Facility Waste Containers

Area Description	No. Containers	Waste Container Unit <sup>b</sup>
High-integrity container staging (room 1010)	28 <sup>a</sup>	HIC (76 in diameter × 78 in height)
HEPA Filter staging (room 1009)	38 <sup>a</sup>	B-25 Box (4 ft × 4 ft × 6 ft)
Liquid low-level waste collection tank (area 1016)	3	23,750 gallons (tank at 95% capacity)
Drum staging for DAW (room 1008)	216 <sup>a</sup>	55-gallon drums
Sorting room <sup>b</sup> (rooms 1004 and 1005)	102	DAW bag (55 gallons of effective capacity); three days of storage at 15 bags per day from WHF, five from CRCF 1, five from CRCF 2, five from CRCF 3, one from Heavy Equipment Maintenance Facility, one from LLWF, one from aging, and one from subsurface

NOTES: CRCF = Canister Receipt and Closure Facilities; DAW = dry active waste; DPC = dual-purpose canister; HIC = high-integrity container; LLLW = low-level liquid radioactive waste; LLWF = Low-Level Waste Facility; WHF = Wet Handling Facility

Source: <sup>a</sup> Reference 2.2.26 × 2

<sup>b</sup> Reference 2.2.27, Table I-1.

#### 6.1.1.6 Radionuclide Concentrations of Low-level Radioactive Waste

The radionuclide concentrations in each LLW form are those estimated for the conceptual design of the LLWF in Reference 2.2.28 (Table 14) as shown in Table 4. The spent resins are a low-level waste form that is processed in the WHF and placed in a HIC that may be transferred to the LLWF for temporary staging (Assumption 3.1.2).

Table 4. Radionuclide Concentrations for Each Low-Level Waste Form

Radionuclide	Dry Active Waste (Ci/m <sup>3</sup> )	Pool Filter (Ci/m <sup>3</sup> )	Spent Resin (Ci/m <sup>3</sup> )	Liquid (Ci/m <sup>3</sup> )
<sup>58</sup> Co	5.59 × 10 <sup>-3</sup>	6.30	4.74	-
<sup>60</sup> Co	1.42 × 10 <sup>-2</sup>	1.61 × 10 <sup>1</sup>	1.21 × 10 <sup>1</sup>	1.00 × 10 <sup>-3</sup>
<sup>134</sup> Cs	6.30 × 10 <sup>-3</sup>	1.90	1.51 × 10 <sup>1</sup>	-
<sup>137</sup> Cs	7.13 × 10 <sup>-3</sup>	2.15	1.71 × 10 <sup>1</sup>	1.50 × 10 <sup>-3</sup>
<sup>54</sup> Mn	7.32 × 10 <sup>-4</sup>	1.84	2.48	-

Source: Reference 2.2.28, Table 14.



### 6.1.1.7 Spent Fuel Pool Filter Characteristics

The spent fuel pool filters are approximately 6 inches in diameter and 2 feet in length (Reference 2.2.29, Section 3.1.19). The filters are placed in a HIC and the HIC has a capacity of 200 filters (Reference 2.2.29, Section 3.1.19). Three HICs are needed to process all filters in a year (Reference 2.2.29, Section 3.1.19). The used filter cartridges will be processed three times a year (Reference 2.2.29, Section 3.1.15); therefore, there may be three HICs with pool filters transported to the LLWF annually (Assumption 3.1.2).

### 6.1.1.8 Spent Resins in WHF

Per Assumption 3.1.2, spent resins will be processed and may be shipped offsite directly from the WHF or shipped for interim storage in the LLWF. Per Reference 2.2.30 Section 6.2.4 each of the three treatment trains in the Pool Water Treatment System has an ion exchange vessel with one 50 ft<sup>3</sup> resin bed. The total volume of spent resins from three beds generated in one year following dewatering will be 100 ft<sup>3</sup> (Reference 2.2.30 Table 3); therefore, there may be 100 ft<sup>3</sup> of spent resins transported to the LLWF annually.

### 6.1.1.9 Atmospheric Dispersion Factors

Downwind atmospheric dispersion factors ( $\chi/Q$ ) for acute (short-term) and chronic (long-term) exposures to radioactive materials from airborne releases are determined at locations of the general public, both onsite and beyond the site boundary, and at onsite radiation worker locations. The atmospheric dispersion factor value represents the dilution of airborne contamination from atmospheric mixing and turbulence based on site-specific atmospheric conditions, the relative configuration of the release point and the receptor, and the distance from the release point to the receptor of interest. It is the ratio of the contaminant air concentration at the receptor to the contaminant release rate at the release point, and it is used to determine the dose consequences for a receptor based on the quantity released, the atmospheric conditions, and the distance to the receptor.

Sector-dependent atmospheric dispersion factors are determined along the Yucca Mountain repository site boundary for general public exposures, at the minimum distance from a ground-level release point to the GROA restricted area boundary for onsite public exposures, from the subsurface exhaust shafts to GROA surface facilities, and from GROA surface facilities to subsurface intake shafts (Reference 2.2.23, Section 1).

Atmospheric dispersion factors are calculated at the site boundary for all 16 meteorological sectors from surface and subsurface effluent releases. The distances from the surface effluent releases to the site boundary for each sector are determined by calculating the minimum distance from the site boundary to an extended GROA boundary that encompasses all of the surface facilities that may contain radioactive materials. The distances from the subsurface effluent releases to the site boundary for each sector are determined by calculating the distances from each exhaust shaft to the site boundary and then selecting the minimum distance (Reference 2.2.23, Section 1). This is a conservative approach for both surface and subsurface releases as it minimizes the distance to the receptors and thereby maximizes the potential doses. The maximum annual average and 95<sup>th</sup>-percentile  $\chi/Q$ s at the site boundary are presented in Table 5.

Table 6. Commercial Spent Fuel Assembly Characteristics

Spent Fuel Assembly	Initial Enrichment (Percent)	Initial MTHM/assembly	Burnup (GWd/MTU)	Decay Time (Years)
Representative PWR <sup>a</sup>	4.2	0.475	50	10
Maximum PWR <sup>b</sup>	5.0	0.475	80	5
Representative BWR <sup>a</sup>	4.0	0.200	50	10
Maximum BWR <sup>b</sup>	5.0	0.200	75	5

NOTES: BWR = boiling water reactor; GWd = gigawatt days; MTHM = metric ton heavy metal; MTU = metric ton uranium; PWR = pressurized water reactor.

Sources: <sup>a</sup> Reference 2.2.31, Table 12

<sup>b</sup> Reference 2.2.31, Table II-1

### 6.1.2.2 Commercial Spent Nuclear Fuel Radionuclide Inventories

Radionuclide inventories in curies per fuel assembly (Ci/fuel assembly) for the representative and maximum PWR and the representative and maximum BWR SFAs are presented in Table 7.

Crud is activated corrosion products found on the exterior surface of commercial fuel assemblies. Crud can be released to the environment during an event sequence involving commercial SNF. Crud activities have been calculated in Reference 2.2.31 and are included in Table 7.

Table 7. Boiling Water Reactor and Pressurized Water Reactor Radionuclide Inventories

Radionuclide	Representative PWR <sup>a</sup> (Ci/fuel assembly)	Representative BWR <sup>a</sup> (Ci/fuel assembly)	Bounding PWR <sup>b</sup> (Ci/fuel assembly)	Bounding BWR <sup>b</sup> (Ci/fuel assembly)
<sup>241</sup> Am	$1.18 \times 10^3$	$3.73 \times 10^2$	$8.79 \times 10^2$	$2.66 \times 10^2$
<sup>242</sup> Am	7.27	2.87	$1.01 \times 10^1$	3.39
<sup>242m</sup> Am	7.30	2.88	$1.02 \times 10^1$	3.40
<sup>243</sup> Am	$2.30 \times 10^1$	8.63	$6.00 \times 10^1$	$1.93 \times 10^1$
<sup>137m</sup> Ba	$5.70 \times 10^4$	$2.27 \times 10^4$	$9.89 \times 10^4$	$3.65 \times 10^4$
<sup>14</sup> C	$3.35 \times 10^{-1}$	$2.12 \times 10^{-1}$	$5.35 \times 10^{-1}$	$3.16 \times 10^{-1}$
<sup>113m</sup> Cd	$1.39 \times 10^1$	5.24	$3.77 \times 10^1$	$1.21 \times 10^1$
<sup>144</sup> Ce	$7.26 \times 10^1$	$1.73 \times 10^1$	$5.80 \times 10^3$	$1.38 \times 10^3$
<sup>36</sup> Cl	$6.84 \times 10^{-3}$	$3.48 \times 10^{-3}$	$1.05 \times 10^{-2}$	$4.99 \times 10^{-3}$
<sup>242</sup> Cm	6.03	2.38	$3.56 \times 10^1$	$1.13 \times 10^1$
<sup>243</sup> Cm	$1.57 \times 10^1$	5.55	$4.19 \times 10^1$	$1.12 \times 10^1$
<sup>244</sup> Cm	$2.59 \times 10^3$	$9.23 \times 10^2$	$1.40 \times 10^4$	$3.95 \times 10^3$
<sup>245</sup> Cm	$3.37 \times 10^{-1}$	$9.07 \times 10^{-2}$	1.79	$3.54 \times 10^{-1}$
<sup>246</sup> Cm	$1.16 \times 10^{-1}$	$4.26 \times 10^{-2}$	1.21	$2.97 \times 10^{-1}$
<sup>60</sup> Co (crud)	$1.69 \times 10^1$	$5.66 \times 10^1$	$3.26 \times 10^1$	$1.09 \times 10^2$
<sup>134</sup> Cs	$4.08 \times 10^3$	$1.31 \times 10^3$	$4.05 \times 10^4$	$1.16 \times 10^4$
<sup>135</sup> Cs	$3.74 \times 10^{-1}$	$1.81 \times 10^{-1}$	$6.34 \times 10^{-1}$	$2.82 \times 10^{-1}$
<sup>137</sup> Cs	$6.04 \times 10^4$	$2.41 \times 10^4$	$1.05 \times 10^5$	$3.87 \times 10^4$
<sup>154</sup> Eu	$2.36 \times 10^3$	$7.73 \times 10^2$	$6.15 \times 10^3$	$1.79 \times 10^3$
<sup>155</sup> Eu	$4.94 \times 10^2$	$1.92 \times 10^2$	$1.80 \times 10^3$	$6.25 \times 10^2$
<sup>59</sup> Fe (crud)	$2.09 \times 10^2$	$9.84 \times 10^1$	$7.45 \times 10^2$	$3.50 \times 10^2$

Table 7. Boiling Water Reactor and Pressurized Water Reactor Radionuclide Inventories

Radionuclide	Representative PWR <sup>a</sup> (Ci/fuel assembly)	Representative BWR <sup>a</sup> (Ci/fuel assembly)	Bounding PWR <sup>b</sup> (Ci/fuel assembly)	Bounding BWR <sup>b</sup> (Ci/fuel assembly)
<sup>3</sup> H	$2.70 \times 10^2$	$1.05 \times 10^2$	$4.95 \times 10^2$	$1.77 \times 10^2$
<sup>129</sup> I	$2.27 \times 10^{-2}$	$9.22 \times 10^{-3}$	$3.60 \times 10^{-2}$	$1.36 \times 10^{-2}$
<sup>85</sup> Kr	$3.11 \times 10^3$	$1.17 \times 10^3$	$5.79 \times 10^3$	$2.03 \times 10^3$
<sup>93m</sup> Nb	$3.44 \times 10^{-1}$	$1.58 \times 10^{-1}$	$3.94 \times 10^{-1}$	$1.91 \times 10^{-1}$
<sup>94</sup> Nb	$6.31 \times 10^{-5}$	$2.56 \times 10^{-5}$	$1.02 \times 10^{-4}$	$3.83 \times 10^{-5}$
<sup>237</sup> Np	$2.53 \times 10^{-1}$	$8.74 \times 10^{-2}$	$4.01 \times 10^{-1}$	$1.33 \times 10^{-1}$
<sup>239</sup> Np	$2.30 \times 10^1$	8.63	$6.00 \times 10^1$	$1.93 \times 10^1$
<sup>231</sup> Pa	$3.00 \times 10^{-5}$	$1.86 \times 10^{-5}$	$4.18 \times 10^{-5}$	$2.94 \times 10^{-5}$
<sup>107</sup> Pd	$8.65 \times 10^{-2}$	$3.45 \times 10^{-2}$	$1.60 \times 10^{-1}$	$5.70 \times 10^{-2}$
<sup>147</sup> Pm	$6.36 \times 10^3$	$2.11 \times 10^3$	$2.29 \times 10^4$	$7.46 \times 10^3$
<sup>144</sup> Pr	$7.26 \times 10^1$	$1.73 \times 10^1$	$5.80 \times 10^3$	$1.38 \times 10^3$
<sup>238</sup> Pu	$2.77 \times 10^3$	$1.02 \times 10^3$	$6.80 \times 10^3$	$2.11 \times 10^3$
<sup>239</sup> Pu	$1.80 \times 10^2$	$5.41 \times 10^1$	$1.83 \times 10^2$	$5.36 \times 10^1$
<sup>240</sup> Pu	$3.20 \times 10^2$	$1.27 \times 10^2$	$4.01 \times 10^2$	$1.48 \times 10^2$
<sup>241</sup> Pu	$5.20 \times 10^4$	$1.57 \times 10^4$	$8.00 \times 10^4$	$2.25 \times 10^4$
<sup>242</sup> Pu	1.68	$7.08 \times 10^{-1}$	3.34	1.26
<sup>106</sup> Ru	$3.40 \times 10^2$	$9.05 \times 10^1$	$1.33 \times 10^4$	$3.29 \times 10^3$
<sup>125</sup> Sb	$3.90 \times 10^2$	$1.20 \times 10^2$	$1.87 \times 10^3$	$5.10 \times 10^2$
<sup>79</sup> Se	$4.75 \times 10^{-2}$	$1.97 \times 10^{-2}$	$7.35 \times 10^{-2}$	$2.89 \times 10^{-2}$
<sup>151</sup> Sm	$2.45 \times 10^2$	$6.73 \times 10^1$	$3.19 \times 10^2$	$8.22 \times 10^1$
<sup>126</sup> Sn	$3.97 \times 10^{-1}$	$1.61 \times 10^{-1}$	$6.83 \times 10^{-1}$	$2.52 \times 10^{-1}$
<sup>90</sup> Sr	$4.10 \times 10^4$	$1.66 \times 10^4$	$6.52 \times 10^4$	$2.52 \times 10^4$
<sup>99</sup> Tc	9.32	3.88	$1.34 \times 10^1$	5.35
<sup>230</sup> Th	$6.45 \times 10^{-5}$	$3.06 \times 10^{-5}$	$3.33 \times 10^{-5}$	$2.05 \times 10^{-5}$
<sup>232</sup> U	$2.44 \times 10^{-2}$	$8.74 \times 10^{-3}$	$5.97 \times 10^{-2}$	$2.00 \times 10^{-2}$
<sup>233</sup> U	$2.46 \times 10^{-5}$	0.00	$2.42 \times 10^{-5}$	0.00
<sup>234</sup> U	$6.01 \times 10^{-1}$	$2.39 \times 10^{-1}$	$5.21 \times 10^{-1}$	$2.26 \times 10^{-1}$
<sup>235</sup> U	$7.66 \times 10^{-3}$	$2.11 \times 10^{-3}$	$3.28 \times 10^{-3}$	$9.40 \times 10^{-4}$
<sup>236</sup> U	$1.81 \times 10^{-1}$	$7.45 \times 10^{-2}$	$2.23 \times 10^{-1}$	$9.55 \times 10^{-2}$
<sup>238</sup> U	$1.47 \times 10^{-1}$	$6.24 \times 10^{-2}$	$1.42 \times 10^{-1}$	$6.07 \times 10^{-2}$
<sup>90</sup> Y	$4.10 \times 10^4$	$1.66 \times 10^4$	$6.53 \times 10^4$	$2.52 \times 10^4$
<sup>93</sup> Zr	$8.34 \times 10^{-1}$	$3.49 \times 10^{-1}$	1.25	$5.01 \times 10^{-1}$

NOTES: Ci = curies.

<sup>144</sup>Pr is treated as implicit progeny of <sup>144</sup>Ce by GENII; therefore it is not used in the calculation of doses.

Sources: <sup>a</sup> Reference 2.2.31, Table 20 (as modified by CACN001 to Reference 2.2.31)

<sup>b</sup> Reference 2.2.31, Table II-3.

### 6.1.2.3 High-Level Waste Glass Inventory

HLW forms from the Savannah River Site, Hanford Site, West Valley Demonstration Project, and Idaho National Laboratory are received at the repository in sealed canisters inside transportation casks. The HLW maximum per canister inventory from the four sites is provided in Table 8 for the year 2017, except for Idaho National Laboratory HLW, which is provided for year 2035. These inventories are from Reference 2.2.33, Table 18.

Table 8. Maximum Radionuclide Inventory per High-Level Waste Glass Canister at 2017

Nuclide	Radioactivity (Ci)			
	HS	SRS	WVDP	INL <sup>a</sup>
<sup>126</sup> Sb	$8.04 \times 10^{-2}$	$1.10 \times 10^{-1}$	$1.38 \times 10^{-1}$	$7.61 \times 10^{-4}$
<sup>126m</sup> Sb	$5.74 \times 10^{-1}$	$7.83 \times 10^{-1}$	$9.85 \times 10^{-1}$	$2.59 \times 10^{-1}$
<sup>79</sup> Se	$9.15 \times 10^{-2}$	$5.34 \times 10^{-1}$	$5.70 \times 10^{-1}$	—
<sup>146</sup> Sm	—	—	$3.14 \times 10^{-10}$	—
<sup>147</sup> Sm	—	$5.12 \times 10^{-8}$	$1.61 \times 10^{-9}$	$2.02 \times 10^{-16}$
<sup>151</sup> Sm	$3.43 \times 10^3$	$1.49 \times 10^2$	$6.49 \times 10^2$	—
<sup>121</sup> Sn	—	1.33	$3.48 \times 10^{-2}$	—
<sup>121m</sup> Sn	—	1.71	$4.49 \times 10^{-2}$	—
<sup>126</sup> Sn	$5.74 \times 10^{-1}$	$7.83 \times 10^{-1}$	$9.85 \times 10^{-1}$	$2.59 \times 10^{-1}$
<sup>90</sup> Sr	$6.21 \times 10^4$	$2.67 \times 10^4$	$1.67 \times 10^4$	$1.16 \times 10^4$
<sup>99</sup> Tc	$2.31 \times 10^1$	9.16	8.72	9.92
<sup>123</sup> Te	$1.07 \times 10^{-9}$	—	—	—
<sup>125m</sup> Te	$7.72 \times 10^{-1}$	2.24	$6.95 \times 10^{-3}$	$1.19 \times 10^{-6}$
<sup>227</sup> Th	$1.70 \times 10^{-4}$	$2.06 \times 10^{-8}$	$1.15 \times 10^{-1}$	$6.47 \times 10^{-20}$
<sup>228</sup> Th	$4.84 \times 10^{-4}$	$1.07 \times 10^{-3}$	$4.72 \times 10^{-2}$	$2.31 \times 10^{-9}$
<sup>229</sup> Th	$1.40 \times 10^{-6}$	$1.39 \times 10^{-4}$	$9.47 \times 10^{-4}$	$5.53 \times 10^{-13}$
<sup>230</sup> Th	$9.41 \times 10^{-7}$	$1.35 \times 10^{-5}$	$2.18 \times 10^{-4}$	$1.06 \times 10^{-9}$
<sup>231</sup> Th	$5.56 \times 10^{-4}$	$6.64 \times 10^{-4}$	$3.72 \times 10^{-4}$	$1.44 \times 10^{-4}$
<sup>232</sup> Th	$1.50 \times 10^{-4}$	$1.40 \times 10^{-3}$	$1.55 \times 10^{-2}$	$4.96 \times 10^{-10}$
<sup>234</sup> Th	$1.01 \times 10^{-2}$	$4.74 \times 10^{-2}$	$3.33 \times 10^{-3}$	$3.55 \times 10^{-7}$
<sup>206</sup> Tl	$3.32 \times 10^{-12}$	—	$6.82 \times 10^{-13}$	$1.55 \times 10^{-18}$
<sup>207</sup> Tl	$1.72 \times 10^{-4}$	$2.08 \times 10^{-8}$	$1.16 \times 10^{-1}$	$1.69 \times 10^{-21}$
<sup>208</sup> Tl	$1.74 \times 10^{-4}$	$3.85 \times 10^{-4}$	$1.70 \times 10^{-2}$	$3.31 \times 10^{-12}$
<sup>209</sup> Tl	$2.93 \times 10^{-8}$	$2.91 \times 10^{-6}$	$1.99 \times 10^{-5}$	$8.94 \times 10^{-19}$
<sup>232</sup> U	$4.40 \times 10^{-4}$	$2.69 \times 10^{-4}$	$3.24 \times 10^{-2}$	$6.15 \times 10^{-6}$
<sup>233</sup> U	$2.10 \times 10^{-3}$	$5.59 \times 10^{-2}$	$9.03 \times 10^{-2}$	$6.06 \times 10^{-6}$
<sup>234</sup> U	$1.46 \times 10^{-2}$	$7.23 \times 10^{-2}$	$2.62 \times 10^{-2}$	$1.11 \times 10^{-1}$
<sup>235</sup> U	$5.56 \times 10^{-4}$	$6.64 \times 10^{-4}$	$3.72 \times 10^{-4}$	$6.57 \times 10^{-4}$
<sup>236</sup> U	$1.18 \times 10^{-3}$	$3.67 \times 10^{-3}$	$1.08 \times 10^{-3}$	$1.71 \times 10^{-3}$
<sup>237</sup> U	$2.08 \times 10^{-3}$	$1.24 \times 10^{-2}$	$2.70 \times 10^{-3}$	$1.96 \times 10^{-5}$
<sup>238</sup> U	$1.01 \times 10^{-2}$	$4.74 \times 10^{-2}$	$3.33 \times 10^{-3}$	$3.27 \times 10^{-5}$
<sup>50</sup> V	$2.35 \times 10^{-14}$	—	—	—
<sup>90</sup> Y	$6.21 \times 10^4$	$2.67 \times 10^4$	$1.67 \times 10^4$	$1.16 \times 10^4$
<sup>93</sup> Zr	5.76	$3.86 \times 10^{-1}$	2.58	—
Total	$2.44 \times 10^5$	$1.42 \times 10^5$	$7.28 \times 10^4$	$4.69 \times 10^4$

NOTES: <sup>a</sup>Radionuclide inventory for INL HLW canister is provided for year 2035. Per Reference 2.2.70, pp A-40 and A-41 the INL HLW storage modules are scheduled to be completed by October 2035 and ready for shipment out of Idaho by December 2035.

HS = Hanford Site, INL = Idaho National Laboratory, SRS = Savannah River Site, WVDP = West Valley Demonstration Project.

Source: Reference 2.2.33, Table 18

## 6.1.5 Potential Radiation Worker Dose Results

### 6.1.5.1 Radiation Worker Doses from Airborne Releases

Doses to radiation workers from airborne releases were determined for the releases from the WHF, subsurface releases due to activation of air and silica dust and resuspension of waste package surface contamination, and resuspension of surface contamination from aging casks on the aging pads to workers located throughout the site. Radiation workers located at the WHF received the highest dose from airborne releases, which are shown in Table 13 (Reference 2.2.36, Table 15).

Table 13. Airborne Release Radiation Worker Dose Results

Facility Number	Facility Name	Total Effective Dose Equivalent (mrem/yr)	Total Organ Dose Equivalent <sup>a</sup> (mrem/yr)	Skin (mrem/yr)	Lens (mrem/yr)
60	Canister Receipt and Closure Facility-1	$2.88 \times 10^{-1}$	6.37	1.63	1.92
70	Canister Receipt and Closure Facility-2	$2.07 \times 10^{-1}$	6.63	$5.08 \times 10^{-1}$	$7.15 \times 10^{-1}$
80	Canister Receipt and Closure Facility-3	$1.98 \times 10^{-1}$	6.77	$3.50 \times 10^{-1}$	$5.48 \times 10^{-1}$
200	Receipt Facility	$2.54 \times 10^{-1}$	6.46	1.16	1.41
50	Wet Handling Facility	$1.53 \times 10^1$	$1.86 \times 10^2$	$1.37 \times 10^2$	$1.53 \times 10^2$
51A	Initial Handling Facility	$1.34 \times 10^{-1}$	2.85	$7.49 \times 10^{-1}$	$8.83 \times 10^{-1}$
160	Low-Level Waste Facility	$2.66 \times 10^{-1}$	4.99	1.77	2.04
17RE	Aging Pad R – East	$2.75 \times 10^{-1}$	9.37	$5.21 \times 10^{-1}$	$7.96 \times 10^{-1}$
17RW	Aging Pad R - West	$1.47 \times 10^{-1}$	4.10	$5.28 \times 10^{-1}$	$6.75 \times 10^{-1}$
17PN	Aging Pad P – North	$1.97 \times 10^{-1}$	6.69	$3.53 \times 10^{-1}$	$5.49 \times 10^{-1}$
17PS	Aging Pad P – South	$2.83 \times 10^{-1}$	$1.00 \times 10^1$	$4.24 \times 10^{-1}$	$7.08 \times 10^{-1}$
IS2	Intake Shaft 2	$2.48 \times 10^{-2}$	$5.52 \times 10^{-1}$	$1.60 \times 10^{-2}$	$4.08 \times 10^{-2}$
IS3	Intake Shaft 3	$3.50 \times 10^{-2}$	$7.52 \times 10^{-1}$	$2.34 \times 10^{-2}$	$5.84 \times 10^{-2}$
IS4	Intake Shaft 4	$4.40 \times 10^{-2}$	$8.82 \times 10^{-1}$	$2.91 \times 10^{-2}$	$7.31 \times 10^{-2}$
NC	North Construction Portal	$3.56 \times 10^{-2}$	$9.05 \times 10^{-1}$	$1.21 \times 10^{-1}$	$1.57 \times 10^{-1}$
NP	North Portal	$1.27 \times 10^{-1}$	2.54	$7.60 \times 10^{-1}$	$8.87 \times 10^{-1}$
SP	South Portal	$8.22 \times 10^{-2}$	1.44	$5.25 \times 10^{-1}$	$6.07 \times 10^{-1}$
220	Heavy Equipment Maintenance Facility	$1.55 \times 10^{-1}$	3.02	$9.71 \times 10^{-1}$	1.13
240	Central Control Center Facility	$1.23 \times 10^{-1}$	3.14	$5.16 \times 10^{-1}$	$6.39 \times 10^{-1}$
230	Warehouse and Non-Nuclear Receipt Facility	$1.12 \times 10^{-1}$	3.05	$4.04 \times 10^{-1}$	$5.16 \times 10^{-1}$
25A	Utilities Facility	$1.03 \times 10^{-1}$	3.68	$9.61 \times 10^{-2}$	$1.99 \times 10^{-1}$
620	Administration Facility	$1.13 \times 10^{-1}$	4.06	$1.09 \times 10^{-1}$	$2.22 \times 10^{-1}$
71A	Craft Shops	$1.26 \times 10^{-1}$	4.53	$1.27 \times 10^{-1}$	$2.54 \times 10^{-1}$
30A	Central Security Station	$1.06 \times 10^{-1}$	3.79	$1.01 \times 10^{-1}$	$2.07 \times 10^{-1}$
30B	Cask Receipt Security Station	$9.96 \times 10^{-2}$	2.51	$4.17 \times 10^{-1}$	$5.17 \times 10^{-1}$
30C	North Perimeter Security Station	$8.41 \times 10^{-2}$	2.25	$3.02 \times 10^{-1}$	$3.86 \times 10^{-1}$
27A	Switchyard	$1.78 \times 10^{-1}$	3.24	1.19	1.37
780	Lower Muck Yard	$8.45 \times 10^{-2}$	2.73	$1.58 \times 10^{-1}$	$2.43 \times 10^{-1}$
33A	Rail Buffer Area	$1.07 \times 10^{-1}$	2.75	$4.41 \times 10^{-1}$	$5.48 \times 10^{-1}$
33B	Truck Buffer Area	$1.01 \times 10^{-1}$	2.59	$4.08 \times 10^{-1}$	$5.08 \times 10^{-1}$

NOTE: <sup>a</sup>Highest organ dose is to the bone surface.

Source: Reference 2.2.36, Table 15.

Table 15. Normal Operation Direct and Airborne Doses At Facility Locations in the GROA

Area No. <sup>a</sup>	GROA Location	Direct Radiation TEDE <sup>b, d</sup> (mrem/yr)	Airborne Release TEDE <sup>c, d</sup> (mrem/yr)	Total TEDE (direct + airborne) (mrem/yr)
17P	Aging Pad 17P	$1.0 \times 10^1$	$2.8 \times 10^{-1}$	$1.0 \times 10^1$
51A	Initial Handling Facility	3.7	$1.3 \times 10^{-1}$	3.8
160	Low-Level Waste Facility	$4.2 \times 10^{-1}$	$2.7 \times 10^{-1}$	$6.9 \times 10^{-1}$
050	Wet Handling Facility	$4.0 \times 10^{-1}$	$1.5 \times 10^1$	$1.5 \times 10^1$
200	Receipt Facility	$4.7 \times 10^{-1}$	$2.5 \times 10^{-1}$	$7.2 \times 10^{-1}$
060	Canister Receipt and Closure Facility 1	$1.2 \times 10^{-1}$	$2.9 \times 10^{-1}$	$4.1 \times 10^{-1}$
070	Canister Receipt and Closure Facility 2	1.5	$2.1 \times 10^{-1}$	1.7
080	Canister Receipt and Closure Facility 3	1.8	$2.0 \times 10^{-1}$	2.0
220	Heavy Equipment Maintenance Facility	1.5	$1.6 \times 10^{-1}$	1.7
240	Central Control Center Facility	7.0	$1.2 \times 10^{-1}$	7.1
230	Warehouse and Non-Nuclear Receipt Facility	$1.7 \times 10^1$	$1.1 \times 10^{-1}$	$1.7 \times 10^1$
25A	Utility Facility	$5.3 \times 10^{-1}$	$1.0 \times 10^{-1}$	$6.3 \times 10^{-1}$
620	Administration Facility	$6.9 \times 10^{-2}$	$1.1 \times 10^{-1}$	$1.8 \times 10^{-1}$
71A	Craft Shop	$1.1 \times 10^{-1}$	$1.3 \times 10^{-1}$	$2.4 \times 10^{-1}$
30A	Central Security Station	$8.2 \times 10^{-2}$	$1.1 \times 10^{-1}$	$1.9 \times 10^{-1}$
30B	Cask Receipt Security Station	2.2	$1.0 \times 10^{-1}$	2.3
30C	North Perimeter Security Station	9.7	$8.4 \times 10^{-2}$	9.8
27A	Switchyard	$3.6 \times 10^1$	$1.8 \times 10^{-1}$	$3.6 \times 10^1$
780	Lower Muck Yard	$7.8 \times 10^1$	$8.5 \times 10^{-2}$	$7.8 \times 10^1$
33A	Railcar Buffer Area	NA	$1.1 \times 10^{-1}$	NA
33B	Truck Buffer Area	NA	$1.0 \times 10^{-1}$	NA

NOTES: <sup>a</sup>Areas are shown in References 2.2.40 and 2.2.41

<sup>b</sup>Direct radiation doses are the total external doses from aging overpacks on the aging pads (17P and 17R), and transportation casks in 33A (rail buffer area) and 33B (truck buffer area)

<sup>c</sup>Airborne release doses are the total from all surface and subsurface facility normal operation releases

<sup>d</sup>Doses are based on 2,000 hr/yr occupancy.

Source: Reference 2.2.39, Table 6.

## 6.1.6 Other Inputs

### 6.1.6.1 Breathing Rates

For acute releases, Regulatory Guide 1.183 (Reference 2.2.42, Section 4.1.3) allows three different breathing rates. For the first 8 hours, the breathing rate for people offsite is  $3.5 \times 10^{-4}$  m<sup>3</sup>/s (30.2 m<sup>3</sup>/day). From 8 to 24 hours following the accident, the breathing rate is  $1.8 \times 10^{-4}$  m<sup>3</sup>/s (15.6 m<sup>3</sup>/day). After that and until the end of the accident, the breathing rate is  $2.3 \times 10^{-4}$  m<sup>3</sup>/s (19.9 m<sup>3</sup>/day). For chronic releases, the breathing rates are obtained from Reference 2.2.10, Table 93 and Section 7.5.4. Per Assumption 3.2.13, the breathing rate for the offsite public not in the general environment or onsite worker is the same as the 0 – 8 hour breathing rate for an acute release. Table 16 provides a summary of the breathing rates used in the analysis.

Table 16. Breathing Rates

Individual	Condition	Period	Inhalation Rate (m <sup>3</sup> /day) (Mean Value)	Inhalation Rate (m <sup>3</sup> /day) Distribution and Value)
Offsite Public in the General Environment	Chronic	Continuous	21.7	Normal distribution: Mean = 21.7 Standard Deviation = 0.12 Min = 21.3 and Max = 22.1
		Acute		
		0 – 8 hr	30.2	Fixed value
		8 – 24 hrs	15.6	Fixed value
		> 24 hrs	19.9	Fixed value
Offsite Public Not within the General Environment, Onsite Public, or Radiation Worker	Chronic	Continuous	30.2	Fixed value
	Acute	Continuous	30.2	Fixed value

NOTE: Chronic inhalation rates are for normal operations and resuspension inhalation. Acute inhalation rates are for Category 1 and Category 2 event sequences.

Source: Reference 2.2.10, Table 93 and Section 7.5.4.

### 6.1.6.2 Dose Coefficients

Doses are determined in this calculation with the GENII code discussed in Section 4.3.3 for offsite releases using ingestion and inhalation dose coefficients from ICRP Publication 72, *Age-Dependent Doses to Members of the Public from Intake of Radionuclides: Part 5 Compilation of Ingestion and Inhalation Dose Coefficients* (Reference 2.2.43) and air submersion and groundshine dose coefficients from Federal Guidance Report No. 13 (Reference 2.2.44). These dose coefficients are contained in the database files for GENII discussed in Reference 2.2.10 Sections 4.1.7.3 to 4.1.7.7. The effective dose equivalents are based on the organ weighting factors from ICRP 60 (Reference 2.2.45). As discussed in Design Input 6.1.1.12 the default GENII inhalation dose coefficient file, *FGR13INH.hdb* is replaced with a site-specific inhalation dose coefficient file which contains revised tritium inhalation dose coefficients for all organs to account for skin absorption.

Table 21. Changes to GENII Default Files

GENII Parameter	Description (units)	Chronic Default File Values			Acute Default File Values			Table
		Offsite General Environment	Offsite Non-General Environment	Onsite Worker or Public	Offsite General Environment	Offsite Non-General Environment	Onsite Worker or Public	
<b>Parameter Changes to Default File Values in GNDFLiud.pop</b>								
<b>Ground Shine</b>								
UEXGRD	Daily exposure factor giving hours of exposure to contaminated ground per day (hr/day)	24 <sup>a</sup>	8.5	8.5	24	8.5	8.5	Table 18
TEXGRD	Annual exposure factor giving days of exposure to contaminated ground per year (days/yr).	365 <sup>a</sup>	250	250	30 (365 in run)	30 (365 in run)	30 (365 in run)	Table 18 adjusted in spreadsheet
FTIN	Fraction of time spent inside a home (dimensionless)	0.61 <sup>a</sup>	0	0	0.61	0	0	Table 20
FTOUJ	Fraction of time spent outside (dimensionless)	0.31 <sup>a</sup>	1	1	0.31	1	1	Table 20
<b>Air Submersion</b>								
UEXAIR	Daily exposure factor giving hours of exposure to external plume per day (hr/day)	22 <sup>a</sup>	8.5	8.5	22	8.5	8.5	Table 17
TEXAIR	Annual exposure factor giving days of exposure to external plume per year (days/yr)	365 <sup>a</sup>	250	250	30 (365 in run)	30 (365 in run)	30 (365 in run)	Table 17 adjusted in spreadsheet
<b>Air Inhalation</b>								
UINH	Inhalation rate for outdoor air (m <sup>3</sup> /day)	21.7	30.2 <sup>a</sup>	30.2	30.2 (burst) 2.38 x 10 <sup>-4</sup> m <sup>3</sup> /s (oxidation)	30.2 (burst) 3.50 x 10 <sup>-4</sup> m <sup>3</sup> /s (oxidation)	30.2	Table 16 Section 6.2.4
TINH	Annual intake factor (days/yr)	365 <sup>a</sup>	250	250	30 (365 in run)	30 (365 in run)	30 (365 in run)	Table 17 adjusted in spreadsheet
FRINH	Fraction of day that outdoor inhalation occurs (dimensionless)	0.92 <sup>a</sup>	0.35	0.35	1.0	0.35 (1 in run)	0.35 (1 in run)	Table 19 adjusted in spreadsheet



### 6.2.4 Time-Weighted Breathing Rates for Oxidation Release

Using the breathing rates from Design Input 6.1.6.1, Equation 19, and the depleted and undepleted  $\gamma/Qs$  from Table 22, effective breathing rates are calculated and presented in Table 23. The undepleted time-weighted breathing rates are used for the oxidation cases for the public in the general environment. Per Assumption 3.2.13, the breathing rate for the offsite public not in the general environment or onsite worker is the same as the 0 – 8 hour ( $3.50 \times 10^{-4}$  m<sup>3</sup>/s) breathing rate for an acute release.

Table 23. Time-Weighted Breathing Rates

Breathing Rates from Design Input 6.1.6.1 (m <sup>3</sup> /s)						
	0 - 2 hrs	2 - 8 hrs	8 - 24 hrs	24-96 hrs	96-720 hrs	Weighted Breathing Rate
<b>Breathing Rate</b>	$3.50 \times 10^{-4}$	$3.50 \times 10^{-4}$	$1.80 \times 10^{-4}$	$2.30 \times 10^{-4}$	$2.30 \times 10^{-4}$	Design Input 6.1.6.1
Effective Breathing Rates – Offsite Public in General Environment (m <sup>3</sup> /s)						
<b>Undepleted</b>	$8.68 \times 10^{-10}$	$1.42 \times 10^{-9}$	$1.13 \times 10^{-8}$	$2.86 \times 10^{-8}$	$7.55 \times 10^{-8}$	$2.38 \times 10^{-4}$
<b>Depleted</b>	$3.08 \times 10^{-10}$	$5.17 \times 10^{-10}$	$4.20 \times 10^{-9}$	$1.09 \times 10^{-8}$	$2.99 \times 10^{-8}$	$2.32 \times 10^{-4}$

Source: Worksheet XQ Adjustment of Excel file Summary of Doses.xls.

### 6.2.5 Crud Source Term Adjustment for Burst Release

GENII provides the user with inventory release multipliers based on chemical families of radionuclides. Crud, consisting of <sup>60</sup>Co and <sup>55</sup>Fe, are in the noble metals family (Reference 2.2.18, p. 22). Elements in the noble metals family, besides cobalt and iron, include technetium, palladium, and tin, which are considered in this calculation but are classified as fuel fines in Design Input 6.1.3.1. The release fraction for crud is different than the release fraction for fuel fines (Table 10). Therefore, in order to use the release fractions as the GENII inventory release multipliers, the crud source term needs to be adjusted as follows.

The source terms for <sup>60</sup>Co and <sup>55</sup>Fe shown in Table 24 are obtained from Table 7.

Table 24. Crud Source Terms

	Source Term (Ci/fuel assembly)			
	Representative Fuel		Maximum Fuel	
	BWR	PWR	BWR	PWR
<sup>60</sup> Co	$5.66 \times 10^1$	$1.69 \times 10^1$	$1.09 \times 10^2$	$3.26 \times 10^1$
<sup>55</sup> Fe	$9.84 \times 10^1$	$2.09 \times 10^2$	$3.50 \times 10^2$	$7.45 \times 10^2$

Source: Table 7

The release fractions (ARF × RF) for fuel fines and crud are obtained from Table 10. The low-burnup fuel release fractions are used for the representative fuel assembly and the high-burnup fuel release fractions are used for the maximum fuel assembly. For releases through HEPA filters, the ARF from Table 10 is multiplied by a respirable fraction of one (Assumption 3.2.8).

Table 28. Unit Volumes of Low-Level Radioactive Waste Storage Containers

Waste Container <sup>a</sup>	Dimensions <sup>a</sup>	Volume <sup>b</sup>	Units <sup>b</sup>	Unit Conversion Factor <sup>c</sup>	Factor Units <sup>c</sup>	Unit Volume (m <sup>3</sup> ) <sup>c</sup>
55-gallon drum	24 in diameter × 36 in height	$1.63 \times 10^4$	in <sup>3</sup>	$1.639 \times 10^{-5}$	(m/in) <sup>3</sup>	$2.67 \times 10^{-1}$

NOTES: <sup>a</sup> Data from Design Input 6.1.1.5.

<sup>b</sup> Drum volumes calculated as  $\pi \times (\text{diameter}/2)^2 \times \text{height}$ .

<sup>c</sup> Unit conversion based on  $1 \text{ in}^3 = (2.54 \text{ cm/in} / 100 \text{ cm/m})^3$ ;  $1 \text{ ft}^3 = (30.48 \text{ cm/ft} / 100 \text{ cm/m})^3$ .

Per Assumption 3.1.2 there may be three HICs with pool filters and one HIC with spent resins transported to the LLWF annually. Per Design Input 6.1.1.5 the LLWF may store 28 HICs, 7 with spent resins and 21 with pool filters.

Per Design Input 6.1.1.8 the amount of spent resins in a HIC is  $100 \text{ ft}^3$ , or  $2.83 \text{ m}^3$ . The total volume of spent resins is then  $19.8 \text{ m}^3$ .

For the fuel pool filters, the volume of material in a HIC is  $200 \text{ filters} \times \text{volume per filter}$ . The volume per filter is calculated using the dimensions from Design Input 6.1.1.7:

$$V_f = \pi \left( \frac{6 \text{ in}}{2} \right)^2 \times 24 \text{ in} = 679 \text{ in}^3 = 1.11 \times 10^{-2} \text{ m}^3$$

The total volume of waste in the HIC is then  $2.22 \text{ m}^3$ . The total volume of pool filters is then  $46.7 \text{ m}^3$ .

The total volume of material available for release in a fire event is calculated from the unit volumes and the number of each waste container type in the LLWF. A volume release factor is calculated in Table 29 for each waste container as the product of the total volume and the ARF and RF values from Design Input 6.1.3.2 applicable to each waste container from Design Input 6.1.1.5.

the fire event source term, there would only be one set of contaminated HEPA filters from the WHF on-site at any time, either within the WHF or in the B-25 boxes.

### 6.3.4 Seismic Event Source Term

A seismic event, which is a Category 2 event sequence, generates radioactive material source terms by damaging HEPA filters in surface facilities and stored low-level waste in the LLWF. These source terms are determined in the following subsections.

#### 6.3.4.1 HEPA Filter Source Terms

The HEPA source term is conservatively taken to be for WHF filters based on an 18-month accumulation period. This source term is the same as the source term for the fire event calculated in Section 6.3.3.2 and shown in Table 31.

In addition to filters from the WHF, the LLWF stores filters from the other facilities. Accumulation of radioactive material on filters from facilities other than the WHF can only be from resuspension of the surface contamination on casks, TAD canisters, or DPCs. At any one time, there would be a number of 1<sup>st</sup> stage HEPA filters in B-25 boxes in the LLWF.

The bases for the radioactive material accumulated on the 1<sup>st</sup> stage HEPA filters from facilities other than WHF are: (a) transportation cask contamination levels of  $10^{-4}$   $\mu\text{Ci}/\text{cm}^2$  for beta and gamma emitters and  $10^{-5}$   $\mu\text{Ci}/\text{cm}^2$  for alpha emitters (Reference 2.2.48, Section 3.2.8), (b) a cask surface area of  $51 \text{ m}^2$  (Reference 2.2.48, Section 3.2.12), (c) a resuspension rate of  $4 \times 10^{-5} \text{ hr}^{-1}$  (Reference 2.2.48, Section 3.2.9), and (d) 273 transportation casks per year (Reference 2.2.48, Section 4.32). Per Reference 2.2.48, Section 3.2.4 handling operations are performed 24 hours per day, 7 days per week. Therefore, each cask takes 32.09 hours to process on the average ( $8,760 \text{ hours/yr} \div 273 \text{ casks/yr}$ ). The amount of radioactive material accumulated after 18 months on these filters is then calculated as follows.

The activity released from one cask is:

$$A_{r,\beta} = \left( \frac{1 \times 10^{-4} \mu\text{Ci}}{\text{cm}^2} \right) \times 51 \text{ m}^2 \times \frac{(100 \text{ cm})^2}{\text{m}^2} \times \left( \frac{4 \times 10^{-5}}{\text{hr}} \right) \times 32.09 \text{ hr} = 6.55 \times 10^{-2} \mu\text{Ci}$$

$$A_{\alpha} = \left( \frac{1 \times 10^{-5} \mu\text{Ci}}{\text{cm}^2} \right) \times 51 \text{ m}^2 \times \frac{(100 \text{ cm})^2}{\text{m}^2} \times \left( \frac{4 \times 10^{-5}}{\text{hr}} \right) \times 32.09 \text{ hr} = 6.55 \times 10^{-3} \mu\text{Ci}$$

The total activity accumulated on the filters for an 18-month period (1.5 yr) is then:

$$A_r = (6.55 \times 10^{-2} \mu\text{C} + 6.55 \times 10^{-3} \mu\text{C}) \times \frac{273 \text{ casks}}{\text{yr}} \times 1.5 \text{ yr} = 29.5 \mu\text{Ci}$$

This activity is negligible compared to the activity on the WHF filters of 6,580 Ci determined in Table 31. Consequently, the activity on these other filters can be ignored in the seismic event dose evaluation.

### 6.3.4.2 Low-Level Waste Facility Seismic Release Source Terms

During a seismic event, failure of confinements for the solid and liquid LLW inventories in the LLWF results in the release of that LLW inventory. The LLWF inventory is provided in Table 3. HEPA filters are not included in the LLWF inventory because their radionuclide content is already accounted for in the activity release from the WHF (Section 6.3.4.1). Empty DPCs are also not included due to the negligible doses that would result from releases involving their low contamination levels.

The unit volumes of the individual waste containers in the LLWF are calculated in Table 32 based on dimensions from Table 3.

Table 32. Unit Volumes for Low-Level Radioactive Waste Storage Containers

Waste Container <sup>a</sup>	Dimensions <sup>a</sup>	Volume <sup>b</sup>	Units <sup>b</sup>	Unit Conversions Factor <sup>c</sup>	Factor Units <sup>c</sup>	Unit Volume (m <sup>3</sup> ) <sup>c</sup>
55-gallon drum	24 in diameter × 36 in height	1.63 × 10 <sup>4</sup>	in <sup>3</sup>	1.639 × 10 <sup>-5</sup>	(m/in.) <sup>3</sup>	2.67 × 10 <sup>-1</sup>
LLLW tank	23,750 gal	23,750	gal	3.785 × 10 <sup>-4</sup>	m <sup>3</sup> /gal	8.99

NOTES: <sup>a</sup> Data from Design Input 6.1.1.5

<sup>b</sup> Drum and HIC volumes calculated as  $[\pi \times (\text{diameter}/2)^2 \times \text{height}]$ ; box volume calculated as  $(L \times W \times H)$ .

<sup>c</sup> Unit conversion based on  $1 \text{ in}^3 = (2.54 \text{ cm/in.} / 100 \text{ cm/m})^3$ ;  $1 \text{ ft}^3 = (30.48 \text{ cm/ft} / 100 \text{ cm/m})^3$ ; and  $264.2 \text{ gal} = 1 \text{ m}^3$ .

The total volume of material available for release in a seismic event is calculated from the unit volumes and the number of each waste container type in the LLWF. A volume release factor is calculated in Table 33 for each waste container as the product of the total volume and the ARF and RF values applicable to each waste container from Design Input 6.1.1.5.

fraction consistent with filtration credit. For example, Event 2-03 considers the LPF from the canister only. Therefore, the doses from Event 2-02 are multiplied by 10 to determine the doses for Event 2-03. Similarly, if HEPA filtration is considered, the unfiltered doses are multiplied by the HEPA filter LPF factor of  $1 \times 10^{-4}$  and multiplied by 100 to account for the respirable fraction of one (1) (Assumption 3.2.8) to determine the filtered doses.

## 6.6 DOSES FOR INDIVIDUAL WASTE FORMS

This section presents the dose results for individual waste forms on a per unit basis.

### 6.6.1 Pressurized Water Reactor Commercial Spent Nuclear Fuel

This section presents the annual results for normal operations, which are airborne releases from the WHF discussed in Section 4.4.1.1, assuming that only PWR fuel is processed. This section also presents the results for a Category 2 event sequence involving a single PWR commercial SNF assembly. Table 38 provides the results when using a representative PWR assembly in the analyses. Table 39 provides the results when using a maximum PWR assembly in the analyses.

It should be noted that Table 39 also includes results for normal operations with maximum PWR fuel even though such fuel is normally only applicable to Category 1 and 2 event sequences (Section 6.1.2.2). These additional results are presented to provide additional confidence that normal operation performance objectives will not be exceeded even under conditions not expected to be encountered during normal repository operation.

Table 38. Representative Pressurized Water Reactor Assembly Results

	Total Effective Dose Equivalent (mrem)	Highest Total Organ Dose Equivalent (mrem)	Shallow Dose Equivalent to Skin (mrem)	Lens Dose Equivalent (mrem)
<b>Representative PWR-Normal Release-Filtered-50% <math>\chi/Q</math> (Annual Dose)</b>				
Onsite <sup>a</sup>	2.93	$2.95 \times 10^1$ (Skin)	$2.95 \times 10^1$	$3.25 \times 10^1$
Exhaust Shafts <sup>b</sup>	$3.00 \times 10^{-3}$	$3.04 \times 10^{-2}$ (Skin)	$3.04 \times 10^{-2}$	$3.34 \times 10^{-2}$
Offsite Public in the General Environment <sup>c</sup>	$1.03 \times 10^{-2}$	$5.65 \times 10^{-2}$ (Skin)	$5.65 \times 10^{-2}$	$6.68 \times 10^{-2}$
Offsite Public Not in the General Environment <sup>c</sup>	$1.78 \times 10^{-2}$	$7.26 \times 10^{-2}$ (Skin)	$7.26 \times 10^{-2}$	$9.04 \times 10^{-2}$
<b>Representative PWR-Burst Release-Filtered-50% <math>\chi/Q</math> (Dose/Event)</b>				
Onsite <sup>a</sup>	1.36	$1.60 \times 10^1$ (Skin)	$1.60 \times 10^1$	$1.74 \times 10^1$
<b>Representative PWR-Oxidation Release-Filtered-50% <math>\chi/Q</math> (Dose/Event)</b>				
Onsite <sup>a</sup>	1.48	$1.69 \times 10^1$ (Bone Surface)	6.18	7.66
<b>Representative PWR-Burst and Oxidation Release Combined-Filtered-50% <math>\chi/Q</math> (Dose/Event)</b>				
Onsite <sup>a</sup>	2.83	$2.22 \times 10^1$ (Skin)	$2.22 \times 10^1$	$2.51 \times 10^1$
<b>Representative PWR-Burst Release-Filtered-95% <math>\chi/Q</math> (Dose/Event)</b>				
Onsite <sup>a</sup>	8.26	$9.82 \times 10^1$ (Skin)	$9.82 \times 10^1$	$1.06 \times 10^2$

Table 38. Representative Pressurized Water Reactor Assembly Results

Offsite Public in the General Environment <sup>c</sup>	$1.32 \times 10^{-1}$	$6.77 \times 10^{-1}$ (Skin)	$6.77 \times 10^{-1}$	$8.09 \times 10^{-1}$
Offsite Public Not in the General Environment <sup>c</sup>	$1.07 \times 10^{-1}$	1.34 (Skin)	1.34	1.45
<b>Representative PWR-Oxidation Release- Filtered-95% <math>\chi/Q</math> (Dose/Event)</b>				
Onsite <sup>a</sup>	2.37	$2.69 \times 10^1$ (Bone Surface)	9.84	$1.22 \times 10^1$
Offsite Public in the General Environment <sup>c</sup>	$6.13 \times 10^{-3}$	$4.12 \times 10^{-2}$ (Skin)	$4.12 \times 10^{-2}$	$4.74 \times 10^{-2}$
Offsite Public Not in the General Environment <sup>c</sup>	$8.37 \times 10^{-3}$	$6.70 \times 10^{-2}$ (Bone Surface)	$4.26 \times 10^{-2}$	$5.10 \times 10^{-2}$
<b>Representative PWR- Burst and Oxidation Release Combined - Filtered-95% <math>\chi/Q</math> (Dose/Event)</b>				
Onsite <sup>a</sup>	$1.06 \times 10^1$	$1.08 \times 10^2$ (Skin)	$1.08 \times 10^2$	$1.19 \times 10^2$
Offsite Public in the General Environment <sup>c</sup>	$1.38 \times 10^{-1}$	$7.18 \times 10^{-1}$ (Skin)	$7.18 \times 10^{-1}$	$8.56 \times 10^{-1}$
Offsite Public Not in the General Environment <sup>c</sup>	$1.15 \times 10^{-1}$	1.38 (Skin)	1.38	1.50
<b>Representative PWR-Burst Release-Not Filtered-95% <math>\chi/Q</math> (Dose/Event)</b>				
Offsite Public in the General Environment <sup>c</sup>	$2.90 \times 10^{-1}$	$9.00 \times 10^{-1}$ (Skin)	$9.00 \times 10^{-1}$	1.19
Offsite Public Not in the General Environment <sup>c</sup>	$4.25 \times 10^{-1}$	1.90 (Bone Surface)	1.82	2.24
<b>Representative PWR-Oxidation Release- Not Filtered -95% <math>\chi/Q</math> (Dose/Event)</b>				
Offsite Public in the General Environment <sup>c</sup>	1.12	$2.90 \times 10^1$ (Bone Surface)	$3.08 \times 10^{-1}$	1.43
Offsite Public Not in the General Environment <sup>c</sup>	2.30	$6.12 \times 10^1$ (Bone Surface)	$6.71 \times 10^{-1}$	2.97
<b>Representative PWR- Burst and Oxidation Release Combined - Not Filtered -95% <math>\chi/Q</math> (Dose/Event)</b>				
Offsite Public in the General Environment <sup>c</sup>	1.41	$2.98 \times 10^1$ (Bone Surface)	1.21	2.62
Offsite Public Not in the General Environment <sup>c</sup>	2.73	$6.31 \times 10^1$ (Bone Surface)	2.49	5.22

NOTES: <sup>a</sup>Onsite receptor location is 60 m from aging pad or building HVAC exhaust vent.

<sup>b</sup>Exhaust shaft receptor location is 100 m from subsurface exhaust shaft.

<sup>c</sup>Offsite public receptor locations are shown on Figure 1.

Source: *Summary of Doses. xls-Result Matrix*

Table 39. Maximum Pressurized Water Reactor Assembly Results

	Total Effective Dose Equivalent (mrem)	Highest Total Organ Dose Equivalent (mrem)	Shallow Dose Equivalent to Skin (mrem)	Lens Dose Equivalent (mrem)
<b>Maximum PWR-Normal Release-Filtered-50% <math>\chi/Q</math> (Annual Dose)</b>				
Onsite <sup>a</sup>	6.02	$5.53 \times 10^1$ (Skin)	$5.53 \times 10^1$	$6.13 \times 10^1$
Exhaust Shafts <sup>b</sup>	$6.18 \times 10^{-3}$	$5.66 \times 10^{-2}$ (Skin)	$5.66 \times 10^{-2}$	$6.28 \times 10^{-2}$

Table 47. Potential Onsite Public Doses from Normal Operation

Area No. <sup>a</sup>	GROA Location	Direct Radiation TEDE <sup>b, d</sup> (mrem/yr)	Airborne Release TEDE <sup>c, d</sup> (mrem/yr)	Total TEDE (direct + airborne) (mrem/yr)
<b>Construction Worker Locations</b>				
17P	Aging Pad 17P	$1.0 \times 10^1$	$2.8 \times 10^{-1}$	$1.0 \times 10^1$
200	Receipt Facility	$4.7 \times 10^{-1}$	$2.5 \times 10^{-1}$	$7.2 \times 10^{-1}$
070	Canister Receipt and Closure Facility 2	1.5	$2.1 \times 10^{-1}$	1.7
080	Canister Receipt and Closure Facility 3	1.8	$2.0 \times 10^{-1}$	2.0
620	Administration Facility	$6.9 \times 10^{-2}$	$1.1 \times 10^{-1}$	$1.8 \times 10^{-1}$
71A	Craft Shop	$1.1 \times 10^{-1}$	$1.3 \times 10^{-1}$	$2.4 \times 10^{-1}$
30C	North Perimeter Security Station	9.7	$8.4 \times 10^{-2}$	9.8
<b>Other Onsite Areas</b>				
220	Heavy Equipment Maintenance Facility	1.5	$1.6 \times 10^{-1}$	1.7
240	Central Control Center Facility	7.0	$1.2 \times 10^{-1}$	7.1
230	Warehouse and Non-Nuclear Receipt Facility	$1.7 \times 10^1$	$1.1 \times 10^{-1}$	$1.7 \times 10^1$
25A	Utility Facility	$5.3 \times 10^{-1}$	$1.0 \times 10^{-1}$	$6.3 \times 10^{-1}$
30A	Central Security Station	$8.2 \times 10^{-2}$	$1.1 \times 10^{-1}$	$1.9 \times 10^{-1}$
27A	Switchyard	$3.6 \times 10^1$	$1.8 \times 10^{-1}$	$3.6 \times 10^1$
780	Lower Muck Yard	$7.8 \times 10^1$	$8.5 \times 10^{-2}$	$7.8 \times 10^1$

NOTES: <sup>a</sup>Areas are shown in References 2.2.40 and 2.2.41

<sup>b</sup>Direct radiation doses are the total external doses from aging overpacks on the aging pads (17P and 17R), and transportation casks in 33A (rail buffer area) and 33B (truck buffer area)

<sup>c</sup>Airborne release doses are the total from all surface and subsurface facility normal operation releases

<sup>d</sup>Doses are based on 2,000 hr/yr occupancy.

GROA = geologic repository operations area; TEDE = total effective dose equivalent.

Source: Table 15

As stated in Section 4.4, in addition to the construction worker and other onsite public occupied areas, the normal operation onsite public doses from airborne releases from surface facilities are also determined at 60 m from surface facilities, the WHF and the Aging Facility, and 100 m from the subsurface exhaust shafts. These are restricted area boundary doses, not continuously occupied area doses. Results are given in Table 43, Table 44, and Table 45. The total onsite public normal operations dose for the maximum dose locations in occupied areas from Table 47 for construction workers and other onsite public are shown in Table 48.

Table 68. Offsite Public Not in General Environment Category 2 Event Sequence Dose

Bounding Category 2 Event Sequence	Total Effective Dose Equivalent (mrem)	Highest Total Organ Dose Equivalent (mrem)	Shallow Dose Equivalent to Skin (mrem)	Lens Dose Equivalent (mrem)
2-01 Seismic event resulting in LLWF collapse and failure of HEPA filters and ductwork in other facilities	$3.46 \times 10^1$	$2.92 \times 10^2$ (Bone Surface)	$1.51 \times 10^1$	$4.97 \times 10^1$
2-02 Breach of sealed SRS HLW canisters in a sealed transportation cask	2.57	$6.73 \times 10^1$ (Bone Surface)	$3.12 \times 10^{-1}$	2.88
2-03 Breach of sealed SRS HLW canisters in an unsealed waste package	$2.57 \times 10^1$	$6.73 \times 10^2$ (Bone Surface)	3.12	$2.88 \times 10^1$
2-04 Breach of sealed SRS HLW canister during transfer (one drops onto another)	$1.03 \times 10^1$	$2.70 \times 10^2$ (Bone Surface)	1.25	$1.15 \times 10^1$
2-05 Breach of uncanistered commercial SNF in a sealed truck transportation cask in air	$8.62 \times 10^{-1}$	$1.03 \times 10^1$ (Skin)	$1.03 \times 10^1$	$1.11 \times 10^1$
2-06 Breach of uncanistered commercial SNF in an unsealed truck transportation cask in pool	$7.47 \times 10^{-1}$	9.98 (Skin)	9.98	$1.07 \times 10^1$
2-07 Breach of a sealed DPC in air	7.76	$9.23 \times 10^1$ (Skin)	$9.23 \times 10^1$	$1.00 \times 10^2$
2-08 Breach of commercial SNF in unsealed DPC in pool	6.20	$8.98 \times 10^1$ (Skin)	$8.98 \times 10^1$	$9.65 \times 10^1$
2-09 Breach of a sealed TAD canister in air within facility	4.53	$5.39 \times 10^1$ (Skin)	$5.39 \times 10^1$	$5.84 \times 10^1$
2-10 Breach of commercial SNF in unsealed TAD canister in pool	3.92	$5.24 \times 10^1$ (Skin)	$5.24 \times 10^1$	$5.63 \times 10^1$
2-11 Breach of uncanistered commercial SNF assembly in pool (one drops onto another)	$3.74 \times 10^{-1}$	4.99 (Skin)	4.99	5.36
2-12 Breach of uncanistered commercial SNF in pool	$1.87 \times 10^{-1}$	2.49 (Skin)	2.49	2.68
2-13 Fire involving LLWF inventory	$8.98 \times 10^{-1}$	3.36 (Bone Surface)	$5.49 \times 10^{-1}$	1.45
2-14 Breach of a sealed truck transportation cask due to a fire	4.37	$1.13 \times 10^2$ (Bone Surface)	1.08	5.45



## 7 RESULTS AND CONCLUSIONS

Table 69 contains the final results and compares the results with the performance objectives (Table 1). Table 69 shows that all performance objectives have been met.

These results are dependent on two design features and 9 procedural safety controls.

### **Design Features:**

HEPA filtration is maintained with an LPF of  $1 \times 10^{-4}$  for a 30-day duration to mitigate the consequences from all Category 2 event sequences. This design feature applies to facilities with Category 2 event sequences resulting in radionuclide releases with filtration credit. To achieve an LPF of  $1 \times 10^{-4}$ , the design features shall include two stages of HEPA filtration with 99% efficiency per stage, and prefilters and demisters.

The WHF pool structure and system is capable of maintaining a minimum of 23 feet of water above the active fuel region of staged (e.g. in racks, open canisters, or open transportation casks) commercial SNF under normal, off-normal and Category 1 and Category 2 event sequence conditions.

### **Procedural Safety Controls:**

The procedural safety controls are presented in Table 70.

Table III - 4. Input Parameter Values and Distributions

No.	Symbol	Distribution	Units	AM or GM	SD or GSD	Log(GM)	Log(GSD)	LB	UB
17	SLDN	Normal	kg/m <sup>2</sup>	262	109	-	-	69	488
18	SOILKD	Lognormal	mL/g	radionuclide dependent					
19	SSLDN	Normal	kg/m <sup>3</sup>	1500	82	-	-	1300	1700
20	SURCM	Uniform	cm	-	-	-	-	5	30
21	THICK	Uniform	cm	-	-	-	-	5	30
22	VLEACH	Lognormal	cm/yr	6.4	2.34	0.81	0.37	0.90	27.5
23	WTIM	Lognormal	d	14	1.65	1.15	0.22	5	30
24	XMLF*	Lognormal	g/m <sup>3</sup>	0.0006	1.5	-3.22	0.18	0.0002	0.001
25	YELDLV	Lognormal	kg/m <sup>2</sup>	2.83	1.65	0.452	0.217	1.08	7.85
26	YELDRV	Lognormal	kg/m <sup>2</sup>	4.06	1.20	0.609	0.079	2.80	6.61
27	YELDFR	Lognormal	kg/m <sup>2</sup>	2.70	1.37	0.431	0.137	0.73	6.89
28	YELDMT	Lognormal	kg/m <sup>2</sup>	1.83	1.72	0.262	0.236	0.69	6.28
29	FRINHR	Normal	-	0.31	0.014	-	-	0.27	0.35
30	FTIN	Normal	-	0.61	0.022	-	-	0.54	0.67
31	FTOUT	Normal	-	0.31	0.014	-	-	0.27	0.35
32	TANMMT	Lognormal	d/yr	15.1	3.14	1.179	0.497	0.001	364.99
33	TCRPLV	Lognormal	d/yr	17.9	2.82	1.253	0.450	0.001	364.99
34	TCRPRV	Lognormal	d/yr	22.5	2.47	1.352	0.393	0.001	364.99
35	TCRPFV	Lognormal	d/yr	54.0	2.08	1.732	0.318	0.001	364.99
36	UANMMT	Normal	kg/d	0.098	0.008	-	-	0.078	0.119
37	UCRPLV	Normal	kg/d	0.123	0.022	-	-	0.067	0.180
38	UCRPRV	Normal	kg/d	0.141	0.010	-	-	0.116	0.167
39	UCRPFV	Normal	kg/d	0.185	0.008	-	-	0.163	0.206
40	UEXAIR	Normal	hr	22	0.4	-	-	20.7	22.8
41	UINH	Normal	m <sup>3</sup> /d	21.7	0.12	-	-	21.3	22.1
42	UINHR	Normal	m <sup>3</sup> /d	21.7	0.12	-	-	21.3	22.1
43	SOILT	Uniform	m	-	-	-	-	0.05	0.30
44	SSLDN	Normal	kg/m <sup>3</sup>	1500	82	-	-	1300	1700
45	CLBVA*F*	Lognormal	kg/kg	radionuclide dependent					
46	CLBVFR*	Lognormal	kg/kg	radionuclide dependent					
47	CLBVLV*	Lognormal	kg/kg	radionuclide dependent					
48	CLBVRV*	Lognormal	kg/kg	radionuclide dependent					
49	CLFMT*	Lognormal	d/kg	radionuclide dependent					
50	CLKD	Lognormal	mL/g	radionuclide dependent					
51	CLVD	Lognormal	m/s	0.008	5.6	-2.10	0.75	0.0003	0.30
52	JHOUR	Uniform	hr	-	-	-	-	0.01	8759.99

NOTES: AM = arithmetic mean, GM = geometric mean, GSD = geometric standard deviation, LB = lower bound, SD = standard deviation, UB = upper bound.

Source: Excel file *GENII\_Parameter\_Summary.xls* (\* spreadsheet values in the range of  $> 10^{-3}$  and  $< 10^2$  for these parameters are truncated to one digit when used in the SUM<sup>3</sup> module).

### III.4 UNCERTAINTY ANALYSIS FOR A CHRONIC RELEASE

#### III.4.1 Radionuclide Dose Uncertainty for Chronic Release

For each of the 11 important radionuclides identified in Table III - 1, a GENII SUM<sup>3</sup> run for a chronic release is performed using the selected pathway input parameters and distributions from Table III - 4. The chronic release scenario is the normal release from WHF scenario used for radionuclide screening in Section III.3.1. The GENII run file is *nodhdgrg.gid*, and it is used as a start file to add the SUM<sup>3</sup> module.

Within the start file, *nodhdgrg.gid*, all radionuclides are deleted except one (<sup>137</sup>Cs) for a given radionuclide run. A total of 51 input parameter distributions as shown in Table III - 4 are added to SUM<sup>3</sup> module. The parameters with the same distributions and correlations between parameters are included in the module. The number of iterations is selected as 500, the maximum number allowed by GENII, which also meets the guideline suggesting that the number of iterations typically be two to three times the number of uncertain input parameters (Reference 2.2.51, p. 59). The random seed number is selected as one (1).

The uncertainty result files (with a names of \*.suf) from each of the radionuclide GENII runs are imported into 11 Excel spreadsheets for statistical analysis. Excel files are named the same as GENII files, except for extension name (\*.xls). Calculations of mean, standard deviation, minimum, geometric mean, and maximum are performed in the worksheet, and results are listed in Table III - 5 with a comparison of TEDE dose results between deterministic and stochastic runs. The deterministic results are for the GENII run with 1) multiple radionuclides (taken from *nodhdgrg.gid*) and 2) that single radionuclide.

Table III - 5. Comparison of Deterministic and Stochastic TEDE Dose Results (mrem/yr) for Single Radionuclides

GENII Filename	Radio-nuclide	Deterministic Multiple <sup>c</sup>	Deterministic Single <sup>d</sup>	Stochastic Results <sup>e</sup>				
				Median	5 <sup>th</sup> %ile	95 <sup>th</sup> %ile	Mean	SD
ch5cam1	<sup>241</sup> Am <sup>a</sup>	5.0 × 10 <sup>-5</sup>	5.0 × 10 <sup>-5</sup>	5.0 × 10 <sup>-5</sup>	4.9 × 10 <sup>-5</sup>	5.1 × 10 <sup>-5</sup>	5.0 × 10 <sup>-5</sup>	5.2 × 10 <sup>-7</sup>
ch5cc14	<sup>14</sup> C	1.2 × 10 <sup>-4</sup>	1.2 × 10 <sup>-4</sup>	1.4 × 10 <sup>-4</sup>	8.5 × 10 <sup>-5</sup>	3.0 × 10 <sup>-4</sup>	1.6 × 10 <sup>-4</sup>	7.2 × 10 <sup>-5</sup>
ch5ccm4	<sup>244</sup> Cm/ <sup>240</sup> Pu <sup>b</sup>	7.4 × 10 <sup>-5</sup>	7.4 × 10 <sup>-5</sup>	7.4 × 10 <sup>-5</sup>	7.3 × 10 <sup>-5</sup>	7.5 × 10 <sup>-5</sup>	7.4 × 10 <sup>-5</sup>	5.1 × 10 <sup>-7</sup>
ch5cco0	<sup>60</sup> Co	4.3 × 10 <sup>-5</sup>	4.3 × 10 <sup>-5</sup>	4.2 × 10 <sup>-5</sup>	1.4 × 10 <sup>-5</sup>	1.1 × 10 <sup>-4</sup>	4.9 × 10 <sup>-5</sup>	3.3 × 10 <sup>-5</sup>
ch5ccs7	<sup>137</sup> Cs	1.9 × 10 <sup>-3</sup>	1.9 × 10 <sup>-3</sup>	1.9 × 10 <sup>-3</sup>	6.4 × 10 <sup>-4</sup>	5.0 × 10 <sup>-3</sup>	2.2 × 10 <sup>-3</sup>	1.5 × 10 <sup>-3</sup>
ch5ch3	<sup>3</sup> H	2.2 × 10 <sup>-3</sup>	2.2 × 10 <sup>-3</sup>	2.4 × 10 <sup>-3</sup>	1.8 × 10 <sup>-3</sup>	4.1 × 10 <sup>-3</sup>	2.6 × 10 <sup>-3</sup>	7.6 × 10 <sup>-4</sup>
ch5ci29	<sup>129</sup> I	6.9 × 10 <sup>-4</sup>	6.9 × 10 <sup>-4</sup>	8.4 × 10 <sup>-4</sup>	3.4 × 10 <sup>-4</sup>	2.5 × 10 <sup>-3</sup>	1.1 × 10 <sup>-3</sup>	8.8 × 10 <sup>-4</sup>
ch5ckr5	<sup>85</sup> Kr	7.1 × 10 <sup>-4</sup>	7.1 × 10 <sup>-4</sup>	7.1 × 10 <sup>-4</sup>	6.9 × 10 <sup>-4</sup>	7.3 × 10 <sup>-4</sup>	7.1 × 10 <sup>-4</sup>	1.2 × 10 <sup>-5</sup>
ch5cpu8	<sup>238</sup> Pu	4.6 × 10 <sup>-5</sup>	4.6 × 10 <sup>-5</sup>	4.5 × 10 <sup>-5</sup>	4.4 × 10 <sup>-5</sup>	4.6 × 10 <sup>-5</sup>	4.5 × 10 <sup>-5</sup>	5.3 × 10 <sup>-7</sup>
ch5cru6	<sup>106</sup> Ru	4.0 × 10 <sup>-7</sup>	4.0 × 10 <sup>-7</sup>	4.1 × 10 <sup>-7</sup>	2.0 × 10 <sup>-7</sup>	9.4 × 10 <sup>-7</sup>	4.7 × 10 <sup>-7</sup>	2.6 × 10 <sup>-7</sup>
ch5csr0	<sup>90</sup> Sr/ <sup>90</sup> Y <sup>b</sup>	3.5 × 10 <sup>-5</sup>	3.5 × 10 <sup>-5</sup>	3.1 × 10 <sup>-5</sup>	6.5 × 10 <sup>-6</sup>	9.1 × 10 <sup>-5</sup>	3.8 × 10 <sup>-5</sup>	2.9 × 10 <sup>-5</sup>

NOTES: <sup>a</sup> The <sup>241</sup>Am results in the deterministic multiple radionuclide run (Column 3) includes contributions as a daughter of several nuclides, such as <sup>241</sup>Pu, <sup>245</sup>Cm.

<sup>b</sup> Dose contributions from daughters <sup>240</sup>Pu and <sup>90</sup>Y are included with <sup>244</sup>Cm and <sup>90</sup>Sr, respectively.

<sup>c</sup> Results taken from GENII run *nodhdgrg.gid*.

<sup>d</sup> Results are deterministic taken from GENII runs listed in GENII Filename

<sup>e</sup> Results are stochastic taken from GENII runs listed in GENII Filename

Source: Worksheet *RN\_Dose* of Excel file *chronic summary.xls*.

Table III - 6. Summary of Rank Correlation Coefficients for Single Radionuclides for a Chronic Release

Radio-nuclide	<sup>241</sup> Am	<sup>14</sup> C	<sup>244</sup> Cm	<sup>60</sup> Co	<sup>137</sup> Cs	<sup>3</sup> H	<sup>129</sup> I	<sup>85</sup> Kr	<sup>238</sup> Pu	<sup>106</sup> Ru	<sup>90</sup> Sr
CLVD	-0.03	0.00	-0.03	0.01	0.01	0.00	0.00	-0.02	-0.02	0.01	0.02
CLFMT	0.00	0.00	0.01	-0.02	-0.02	-0.01	0.21	-0.01	0.03	0.07	0.00
CLBVLV	0.00	-0.01	0.01	-0.01	-0.01	0.00	0.10	0.00	0.00	0.00	0.03
CLBVRV	-0.02	-0.02	0.01	-0.04	-0.04	-0.01	-0.01	0.00	-0.02	-0.04	-0.02
CLBVAF	-0.02	0.01	0.01	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.02
CLBVFR	-0.03	0.00	0.02	0.00	0.00	0.01	0.05	-0.02	0.00	0.00	0.05
CLKD	0.06	-0.01	0.03	0.02	0.02	-0.01	0.59	-0.02	0.02	0.01	0.46
AMBTEMP	0.01	0.01	0.02	-0.02	-0.02	0.01	-0.01	-0.01	0.01	-0.01	-0.01
ABSHUM	-0.01	-0.06	-0.02	0.01	0.01	-0.71	-0.02	0.00	-0.03	0.00	-0.02
XMLF	0.16	0.01	0.13	-0.01	-0.01	0.02	0.00	0.01	0.14	-0.01	0.01
AVALSL	0.01	-0.04	0.01	0.01	0.01	-0.04	-0.01	0.01	-0.01	-0.01	-0.03
YELDMT	-0.01	-0.01	0.01	0.02	0.02	-0.01	-0.08	0.00	0.00	-0.01	-0.01
YELDLV	-0.01	-0.01	-0.05	-0.02	-0.02	-0.01	-0.04	-0.01	-0.07	-0.03	-0.01
YELDRV	0.01	0.00	0.01	-0.02	-0.02	-0.01	0.00	0.00	0.00	-0.01	-0.02
YELDFR	-0.03	0.05	-0.02	0.01	0.01	0.02	-0.03	0.01	-0.04	0.01	-0.02
SSLDN2	0.05	-0.05	-0.01	0.06	0.06	-0.04	0.00	0.01	0.00	0.05	0.06
WTIM	0.11	-0.01	0.19	-0.02	-0.02	-0.01	0.23	0.00	0.33	0.01	0.00
RAIN	0.05	0.01	0.04	-0.01	-0.01	0.03	0.00	0.02	0.04	-0.01	-0.01
THICK	0.35	0.04	0.03	0.75	0.75	0.02	0.33	0.01	0.03	0.73	0.64
MOISTC	-0.02	0.02	0.00	-0.01	-0.01	0.01	0.00	0.00	-0.01	-0.01	-0.02
BULKD	0.05	-0.05	-0.01	0.06	0.06	-0.04	0.00	0.01	0.00	0.05	0.06
VLEACH	-0.02	0.02	-0.02	0.01	0.01	-0.01	-0.25	0.02	0.00	0.01	-0.22
LEAFRS	-0.02	0.02	-0.04	0.00	0.00	-0.01	0.01	-0.01	0.00	0.00	0.01
DPVRES	0.00	0.01	0.02	0.02	0.02	0.03	0.04	0.02	0.01	0.03	0.00
SLDNA	-0.52	0.01	-0.19	-0.60	-0.60	0.01	-0.22	0.01	-0.25	-0.58	-0.45
SURCM	0.35	0.04	0.03	0.75	0.75	0.02	0.33	0.01	0.03	0.73	0.64
BIOMAMT	-0.01	-0.01	0.01	0.02	0.02	-0.01	-0.08	0.00	0.00	-0.01	-0.01
BIOMALV	-0.01	-0.01	-0.05	-0.02	-0.02	-0.01	-0.04	-0.01	-0.07	-0.03	-0.01
BIOMARV	0.01	0.00	0.01	-0.02	-0.02	-0.01	0.00	0.00	0.00	-0.01	-0.02
BIOMAFR	-0.03	0.05	-0.02	0.01	0.01	0.02	-0.03	0.01	-0.04	0.01	-0.02
DRYFAMT	0.03	0.02	0.00	0.03	0.03	0.00	0.02	0.02	-0.01	0.03	0.01
DRYFALV	-0.02	-0.01	0.02	0.01	0.01	0.01	-0.02	0.01	0.05	0.00	-0.03
DRYFARV	0.02	-0.01	0.00	0.00	0.00	0.01	0.03	-0.01	0.01	-0.01	0.02
DRYFAFR	0.03	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.01
SOILKD	0.06	-0.01	0.03	0.02	0.02	-0.01	0.59	-0.02	0.02	0.01	0.46
UEXAIR	-0.01	-0.02	-0.03	0.00	0.00	0.00	0.01	1.00	-0.01	0.00	-0.01
FTIN	0.01	-0.02	0.00	0.02	0.02	-0.02	0.03	-0.01	0.01	0.01	0.01
FTOUT	0.01	-0.01	-0.01	0.02	0.02	0.00	0.01	0.01	0.01	0.03	-0.01
UCRPLV	0.01	-0.01	0.03	0.00	0.00	0.02	0.00	0.02	0.05	0.01	-0.02

Table III - 6. Summary of Rank Correlation Coefficients for Single Radionuclides for a Chronic Release

Radio-nuclide	<sup>241</sup> Am	<sup>14</sup> C	<sup>244</sup> Cm	<sup>60</sup> Co	<sup>137</sup> Cs	<sup>3</sup> H	<sup>129</sup> I	<sup>85</sup> Kr	<sup>238</sup> Pu	<sup>106</sup> Ru	<sup>90</sup> Sr
UCRPRV	-0.01	0.05	0.02	-0.01	-0.01	0.04	0.01	-0.01	0.06	-0.01	0.00
UCRPFR	0.00	0.05	0.02	-0.01	-0.01	0.01	-0.01	0.01	0.00	-0.02	0.01
TCRPLV	0.20	0.27	0.33	0.00	0.00	0.24	0.22	0.00	0.53	0.04	0.03
TCRPRV	0.02	0.31	0.04	0.01	0.01	0.25	0.04	0.01	0.08	0.00	0.02
TCRPFR	0.09	0.63	0.12	0.02	0.02	0.49	0.09	0.00	0.20	0.03	0.05
UANMMT	0.00	0.04	0.00	0.00	0.00	0.01	-0.01	-0.01	0.01	0.01	0.01
TANMMT	0.02	0.47	0.01	0.02	0.03	0.13	0.23	-0.03	0.02	0.08	0.03
UINH	0.56	-0.02	0.81	0.01	0.01	0.02	0.00	-0.01	0.55	0.00	0.00
UINHR	0.04	0.02	0.03	0.00	0.00	0.01	0.02	0.01	0.03	0.00	0.01
FRINHR	0.01	-0.02	0.01	-0.01	-0.01	0.00	-0.01	0.00	0.02	-0.02	0.00
SOILT	0.35	0.04	0.03	0.75	0.75	0.02	0.33	0.01	0.03	0.73	0.64
SSLDN	0.05	-0.05	-0.01	0.06	0.06	-0.04	0.00	0.01	0.00	0.05	0.06

NOTES: Green highlights indicate high correlation input parameters that are important for at least one radionuclide.

Yellow highlights indicate rank correlation coefficients higher than 10% absolute value.

Source: Worksheet *RN\_RCC* of Excel file *chronic summary.xls*.

### III.4.3 Uncertainty Analysis for Chronic Release

The high correlation input parameters identified in Table III - 6 are used in a chronic release run including the entire list of radionuclides in the normal release from the WHF. The distribution and standard deviation for the calculated dose is determined. In addition, the number of important input parameters is further reduced based on the rank correlation coefficients calculated from that scenario.

The selected chronic release scenario for uncertainty analysis is the same as the one used for radionuclide screening and pathway analyses for a normal operation with representative PWR inventory in Section III.3.1 (GENII file is *nodhdgrg.gid*). The other two chronic scenarios (Exhaust Shafts and Aging Pad in Table III - 1) are not selected, because they are dominated by inhalation and external exposure (Table III-2). A SUM<sup>3</sup> module is added into the GENII file. The 20 high correlation input parameters from Table III - 6 are input. Calculated doses for the scenario are shown in Table III - 7 with four cases of different number of iterations and random seed number. The means and standard deviations do not vary significantly among these four cases.

The results indicate that the uncertainty of the calculated dose is relatively small, with a ratio of less than two between the 95<sup>th</sup> percentile and median values (see Table III - 7) compared with the large uncertainty for input parameters such as TCRPLV, TCRPRV and TCRPFR (see Table III - 4). The low uncertainty of dose distribution for the chronic release scenario is mostly because more than 80% of dose comes from external and inhalation pathways (see Normal PWR column in Table III - 2), which have only a few input parameters with distributions. Some major

Table III - 9. Comparison of Deterministic TEDE Dose Results for an Acute Release

GENII Filename	Radionuclide	All Radionuclide Deterministic <sup>c</sup>		Single Radionuclide Deterministic <sup>d</sup>	
		Initial Period (mrem)	Long-term (mrem)	Initial Period (mrem)	Long-term (mrem)
ac5cam1	<sup>241</sup> Am <sup>a</sup>	$6.26 \times 10^{-5}$	$1.41 \times 10^{-6}$	$6.26 \times 10^{-5}$	$1.31 \times 10^{-6}$
ac5cc14	<sup>14</sup> C	$1.61 \times 10^{-5}$	$6.50 \times 10^{-3}$	$1.61 \times 10^{-5}$	$6.50 \times 10^{-3}$
ac5ccm4	<sup>244</sup> Cm <sup>b</sup>	$6.36 \times 10^{-4}$	$1.23 \times 10^{-5}$	$6.36 \times 10^{-4}$	$1.23 \times 10^{-5}$
ac5cco0	<sup>60</sup> Co	$8.63 \times 10^{-7}$	$8.41 \times 10^{-6}$	$8.63 \times 10^{-7}$	$8.41 \times 10^{-6}$
ac5ccs7	<sup>137</sup> Cs	$5.65 \times 10^{-5}$	$1.82 \times 10^{-3}$	$5.65 \times 10^{-5}$	$1.82 \times 10^{-3}$
ac5ch3	<sup>3</sup> H	$6.45 \times 10^{-2}$	$1.47 \times 10^{-1}$	$6.45 \times 10^{-2}$	$1.47 \times 10^{-1}$
ac5ci29	<sup>129</sup> I	$2.21 \times 10^{-3}$	$4.31 \times 10^{-2}$	$2.21 \times 10^{-3}$	$4.31 \times 10^{-2}$
ac5ckr5	<sup>85</sup> Kr	$1.91 \times 10^{-2}$	-	$1.91 \times 10^{-2}$	-
ac5cpu8	<sup>238</sup> Pu	$1.86 \times 10^{-4}$	$1.13 \times 10^{-5}$	$1.86 \times 10^{-4}$	$1.13 \times 10^{-5}$
ac5cru6	<sup>106</sup> Ru	$4.25 \times 10^{-5}$	$8.50 \times 10^{-5}$	$4.25 \times 10^{-5}$	$8.50 \times 10^{-5}$
ac5csr0	<sup>90</sup> Sr <sup>b</sup>	$3.95 \times 10^{-6}$	$1.40 \times 10^{-5}$	$3.95 \times 10^{-6}$	$1.40 \times 10^{-5}$

NOTES: <sup>a</sup> The <sup>241</sup>Am results in the deterministic all radionuclide run includes contributions as a daughter of several nuclides, such as <sup>241</sup>Pu, <sup>245</sup>Cm.  
<sup>b</sup> Dose contributions from daughters <sup>240</sup>Pu and <sup>90</sup>Y are not included with <sup>244</sup>Cm and <sup>90</sup>Sr, respectively.  
<sup>c</sup> Results are taken from GENII run *pmdhlggrg.gid*.  
<sup>d</sup> Results are taken from GENII runs listed in GENII Filename.

Source: Worksheet *RN\_Dose* of Excel file *acute summary.xls*.

Table III - 10. Comparison of Deterministic and Stochastic TEDE Dose Results for Single Radionuclide (mrem)

GENII Filename	Radio-nuclide	Deterministic Results <sup>c</sup>	Time Period	Stochastic Results <sup>d</sup>				
				Median	5 <sup>th</sup> %ile	95 <sup>th</sup> %ile	Mean	SD
ac5cam1	<sup>241</sup> Am <sup>a</sup>	$6.26 \times 10^{-5}$	Initial	- <sup>e</sup>	-	-	-	-
ac5cc14	<sup>14</sup> C	$6.50 \times 10^{-3}$	Long-term	$7.88 \times 10^{-3}$	$4.32 \times 10^{-3}$	$1.89 \times 10^{-2}$	$9.28 \times 10^{-3}$	$4.89 \times 10^{-3}$
ac5ccm4	<sup>244</sup> Cm/ <sup>240</sup> Pu <sup>b</sup>	$6.36 \times 10^{-4}$	Initial	-	-	-	-	-
ac5cco0	<sup>60</sup> Co	$8.41 \times 10^{-6}$	Long-term	$8.61 \times 10^{-6}$	$3.37 \times 10^{-6}$	$2.18 \times 10^{-5}$	$9.97 \times 10^{-6}$	$6.29 \times 10^{-6}$
ac5ccs7	<sup>137</sup> Cs	$1.82 \times 10^{-3}$	Long-term	$2.17 \times 10^{-3}$	$1.13 \times 10^{-3}$	$5.38 \times 10^{-3}$	$2.56 \times 10^{-3}$	$1.41 \times 10^{-3}$
ac5ch3	<sup>3</sup> H	$1.47 \times 10^{-1}$	Long-term	$2.52 \times 10^{-1}$	$8.42 \times 10^{-2}$	$7.91 \times 10^{-1}$	$3.20 \times 10^{-1}$	$2.36 \times 10^{-1}$
ac5ci29	<sup>129</sup> I	$4.31 \times 10^{-2}$	Long-term	$5.21 \times 10^{-2}$	$2.77 \times 10^{-2}$	$1.41 \times 10^{-1}$	$6.21 \times 10^{-2}$	$3.81 \times 10^{-2}$
ac5ckr5	<sup>85</sup> Kr	$1.91 \times 10^{-2}$	Initial	-	-	-	-	-
ac5cpu8	<sup>238</sup> Pu	$1.86 \times 10^{-4}$	Initial	-	-	-	-	-
ac5cru6	<sup>106</sup> Ru	$8.50 \times 10^{-5}$	Long-term	$1.04 \times 10^{-4}$	$4.89 \times 10^{-5}$	$2.79 \times 10^{-4}$	$1.23 \times 10^{-4}$	$7.20 \times 10^{-5}$
ac5csr0	<sup>90</sup> Sr/ <sup>90</sup> Y <sup>b</sup>	$1.40 \times 10^{-5}$	Long-term	$1.95 \times 10^{-5}$	$8.53 \times 10^{-6}$	$5.87 \times 10^{-5}$	$2.48 \times 10^{-5}$	$1.80 \times 10^{-5}$

NOTES: <sup>a</sup> The <sup>241</sup>Am results in the deterministic all radionuclide run includes contributions as a daughter of several nuclides, such as <sup>241</sup>Pu, <sup>245</sup>Cm.  
<sup>b</sup> Dose contributions from daughters <sup>240</sup>Pu and <sup>90</sup>Y are included with <sup>244</sup>Cm and <sup>90</sup>Sr, respectively.  
<sup>c</sup> Results are deterministic taken from GENII runs listed in GENII Filename.  
<sup>d</sup> Results are stochastic taken from GENII runs listed in GENII Filename.  
<sup>e</sup> The calculated dose is dominated from the initial period during the acute release, which has no uncertainty input parameters associated with.

Source: Worksheet *RN\_Dose* of Excel file *acute summary.xls*.

that reduce the overall uncertainty. For other parameters that model offsite radionuclide transport in the environment and receptor exposure and have available developed distributions, mean or geometric mean values of their distributions are used.

The preclosure consequence analysis for worker and onsite public doses is dominated by direct radiation and inhalation exposures. The methodology for both those pathways is based on fixed parameters with conservative or bounding values with no associated uncertainty distributions. The doses provided in Table 69 for demonstrating compliance with the performance objectives for those categories are already bounding values.

For offsite public doses, the uncertainty analysis is performed for both chronic and acute release scenarios that use a combination of the fixed conservative parameters and those based on developed distributions. The majority of those distribution-based parameters are related to the ingestion dose pathway and therefore uncertainties for scenarios without significant contributions from ingestion are low. The following conclusions can be drawn from this uncertainty analysis for the offsite release scenarios evaluated:

1. The offsite doses provided in Table 69 for demonstrating compliance with the performance objectives are based on the deterministic methodology described in Section 4.3 using fixed values of input parameters. Because many of those fixed values are conservative or bounding, the doses shown would be higher than the mean or median values if all distribution-based parameters were used. Even with the conservatisms, all of the offsite doses provided in Table 69 are orders of magnitude below the performance objectives.
2. For the offsite chronic release scenario, the ratio between the 95<sup>th</sup> percentile and median values from uncertainty analysis is about two. The offsite TEDE dose in Table 69 is 0.05 mrem/yr for an individual in the general environment that includes the ingestion pathway. Even with a factor of two for a 95<sup>th</sup> percentile level, the dose is still orders of magnitude below the performance objectives.
3. For the offsite acute release scenarios, the ratio between the 95<sup>th</sup> percentile and median values from uncertainty analysis is about three. The offsite TEDE dose in Table 69 is less than 0.01 mrem per event for an individual in the general environment that includes the ingestion pathway. Even with a factor of three for a 95<sup>th</sup> percentile level, the dose is still orders of magnitude below the performance objectives.
4. For offsite public acute release scenarios, the dose consists of two portions, a short-term dose and long-term dose due to radionuclides in the environment following the short-term release. The short-term dose is dominated by the inhalation pathway. There is no uncertainty in the short-term dose methodology because the inhalation pathway dose is based on fixed parameters with conservative or bounding values.
5. For offsite acute release scenario long-term doses where the ingestion pathway is a significant contributor, the preclosure consequence analysis dose results using the deterministic methodology are within 40% of the median values from the stochastic calculation (Table III - 12). This similarity in results is expected because the high

File Name	Size/Type	Date	Time
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GENII VERIFICATION	DIR	9/18/2008	14:06:10
OTHER SPREADSHEETS	DIR	9/18/2008	14:06:10
RUNS	DIR	9/18/2008	14:07:16
UNCERTAINTY	DIR	9/18/2008	14:03:23

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e-chron.xqs	271	8/28/2007	12:58:24
g-annual.xqg	286	7/26/2007	13:23:18
g-annual.xqo	263	7/24/2007	11:34:08
g-annual.xqs	285	7/23/2007	11:39:42
g-chron.xqe	264	8/28/2007	12:33:14
g-chron.xqg	288	8/27/2007	8:46:02
g-chron.xqo	265	8/28/2007	6:44:42
g-chron.xqs	287	8/28/2007	6:44:10
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g0-2.xqo	261	7/25/2007	12:07:20
g0-2.xqs	279	7/25/2007	12:12:44
g0-720.xqg	282	7/20/2007	11:52:16
g0-720.xqo	263	7/23/2007	12:24:40
g0-720.xqs	282	7/23/2007	13:41:02
g2-720.xqg	283	8/30/2007	11:13:00
g2-720.xqs	282	6/15/2007	8:01:50
g2-8.xqg	282	7/18/2007	7:39:24

D:\FACILITY ESD TABLES

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Att 2 - WHF ESD Table.doc	61,952	9/27/2007	12:42:38
Att 3 - CRCF ESD Table.doc	51,712	9/27/2007	12:43:06
Att 4 - RF ESD Table.doc	41,984	10/5/2007	10:27:06
Att 5 - Subsurface ESD Table.doc	32,256	9/27/2007	12:44:22
Att 6 - Intra-site ESD Table.doc	32,256	10/1/2007	14:59:06
Att 7 - End State Preliminary Information and Assumptions.doc	26,624	9/27/2007	12:44:46

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Aging Pad Onsite.xls	1,199,104	10/23/2007	8:11:18
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BWR Fire Site Boundary.xls	1,076,736	12/6/2007	5:55:22
BWR Pool General Environment.xls	4,645,376	10/23/2007	9:21:10
BWR Pool Site Boundary.xls	1,146,368	10/23/2007	9:35:54
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HLW INL Site Boundary.xls	1,236,992	10/23/2007	12:31:32
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LLW MAR and Source Term.xls	26,624	1/23/2008	8:06:12
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bmonlgrs.els	25,385	12/5/2007	10:56:12
bmonlgrs.epf	23,093	12/5/2007	10:56:12
bmonlgrs.gid	634,693	12/5/2007	10:56:28
bmonlgrs.hif	160,202	12/5/2007	10:56:22
bmonlgrs.hls	830	12/5/2007	10:56:22
bmonlgrs.ref	77	9/14/2007	7:00:56
bmonlgrs.rif	40,165	12/5/2007	10:56:20
bmonlgrs.rls	5,390	12/5/2007	10:56:20
bmonlgrs.wlm	445	12/5/2007	10:56:20
bmonlgrs.wm	0	12/5/2007	10:55:50

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bmpnlgrg.aff	1,004	8/30/2007	9:04:56
bmpnlgrg.ato	1,004	8/30/2007	9:04:56
bmpnlgrg.els	3,897	8/30/2007	9:04:58
bmpnlgrg.epf	6,041	8/30/2007	9:04:58
bmpnlgrg.gid	61,724	9/12/2007	12:51:18
bmpnlgrg.hif	46,032	9/12/2007	12:51:12
bmpnlgrg.hls	830	9/12/2007	12:51:12
bmpnlgrg.ref	77	8/30/2007	9:03:30
bmpnlgrg.rif	10,317	9/12/2007	12:51:12
bmpnlgrg.rls	1,434	9/12/2007	12:51:12
bmpnlgrg.wlm	178	9/12/2007	12:51:12
bmpnlgrg.wm	0	8/30/2007	9:04:56
bmpnlgrs.aff	1,004	8/30/2007	9:07:24
bmpnlgrs.ato	1,003	8/30/2007	9:07:24
bmpnlgrs.els	3,897	8/30/2007	9:07:24
bmpnlgrs.epf	2,218	8/30/2007	9:07:24
bmpnlgrs.gid	61,729	9/12/2007	12:47:32

File Name	Size/Type	Date	Time
bmpnlgrs.hif	14,916	9/12/2007	12:47:26
bmpnlgrs.hls	830	9/12/2007	12:47:26
bmpnlgrs.ref	77	8/30/2007	9:06:08
bmpnlgrs.rif	3,825	9/12/2007	12:47:26
bmpnlgrs.rls	1,434	9/12/2007	12:47:26
bmpnlgrs.wlm	267	9/12/2007	12:47:26
bmpnlgrs.wrn	0	8/30/2007	9:07:24

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badhlgrg.aff	6,601	9/24/2007	9:06:42
badhlgrg.ato	9,629	9/24/2007	9:06:42
badhlgrg.els	26,175	9/24/2007	9:07:12
badhlgrg.epf	71,023	9/24/2007	9:07:12
badhlgrg.gid	645,778	9/24/2007	9:07:30
badhlgrg.hif	522,796	9/24/2007	9:07:24
badhlgrg.hls	830	9/24/2007	9:07:24
badhlgrg.ref	77	9/7/2007	9:46:28
badhlgrg.rif	116,011	9/24/2007	9:07:22
badhlgrg.rls	5,484	9/24/2007	9:07:22
badhlgrg.wlm	267	9/24/2007	9:07:22
badhlgrg.wrn	0	9/24/2007	9:06:42
badhlgro.aff	6,601	9/24/2007	9:09:34
badhlgro.ato	8,966	9/24/2007	9:09:34
badhlgro.els	26,175	9/24/2007	9:09:58
badhlgro.epf	23,103	9/24/2007	9:09:58
badhlgro.gid	645,783	10/18/2007	8:58:52
badhlgro.hif	164,962	10/18/2007	8:58:46
badhlgro.hls	830	10/18/2007	8:58:46
badhlgro.ref	77	9/10/2007	6:45:44
badhlgro.rif	41,353	10/18/2007	8:58:44
badhlgro.rls	5,484	10/18/2007	8:58:44
badhlgro.wlm	445	10/18/2007	8:58:44
badhlgro.wrn	0	9/24/2007	9:09:34
badhlgrs.aff	6,601	9/24/2007	9:11:42
badhlgrs.ato	9,621	9/24/2007	9:11:42
badhlgrs.els	26,175	9/24/2007	9:12:02
badhlgrs.epf	24,116	9/24/2007	9:12:02
badhlgrs.gid	645,783	9/24/2007	9:12:20
badhlgrs.hif	164,962	9/24/2007	9:12:14
badhlgrs.hls	830	9/24/2007	9:12:14
badhlgrs.ref	77	9/10/2007	6:29:24
badhlgrs.rif	41,353	9/24/2007	9:12:12
badhlgrs.rls	5,484	9/24/2007	9:12:12
badhlgrs.wlm	356	9/24/2007	9:12:12
badhlgrs.wrn	0	9/24/2007	9:11:42
badnlgrg.aff	6,631	9/24/2007	9:15:12
badnlgrg.ato	9,575	9/24/2007	9:15:12
badnlgrg.els	26,175	9/24/2007	9:15:36

File Name	Size/Type	Date	Time
badnlgrg.epf	70,826	9/24/2007	9:15:36
badnlgrg.gid	645,785	9/24/2007	9:15:52
badnlgrg.hif	522,796	9/24/2007	9:15:46
badnlgrg.hls	830	9/24/2007	9:15:46
badnlgrg.ref	77	9/14/2007	9:30:08
badnlgrg.rif	116,011	9/24/2007	9:15:44
badnlgrg.rls	5,484	9/24/2007	9:15:44
badnlgrg.wlm	178	9/24/2007	9:15:44
badnlgrg.wm	0	9/24/2007	9:15:12
badnlgrs.aff	6,631	9/24/2007	9:21:18
badnlgrs.ato	9,565	9/24/2007	9:21:18
badnlgrs.els	26,175	9/24/2007	9:21:40
badnlgrs.epf	24,058	9/24/2007	9:21:40
badnlgrs.gid	645,790	9/24/2007	9:21:54
badnlgrs.hif	164,962	9/24/2007	9:21:48
badnlgrs.hls	830	9/24/2007	9:21:48
badnlgrs.ref	77	9/14/2007	9:41:22
badnlgrs.rif	41,353	9/24/2007	9:21:46
badnlgrs.rls	5,484	9/24/2007	9:21:46
badnlgrs.wlm	178	9/24/2007	9:21:46
badnlgrs.wm	0	9/24/2007	9:21:18
baohdlgrs.els	25,385	9/10/2007	6:38:46
baohlgrg.aff	6,238	9/7/2007	10:11:48
baohlgrg.ato	9,276	9/7/2007	10:11:48
baohlgrg.els	25,385	9/7/2007	10:12:10
baohlgrg.epf	68,786	9/7/2007	10:12:10
baohlgrg.gid	634,657	10/2/2007	13:31:10
baohlgrg.hif	507,664	10/2/2007	13:31:02
baohlgrg.hls	830	10/2/2007	13:31:02
baohlgrg.ref	77	9/7/2007	10:05:08
baohlgrg.rif	112,659	10/2/2007	13:31:00
baohlgrg.rls	5,390	10/2/2007	13:31:00
baohlgrg.wlm	178	10/2/2007	13:31:00
baohlgrg.wm	0	9/7/2007	10:11:48
baohlgro.aff	6,236	9/10/2007	6:48:20
baohlgro.ato	8,627	9/10/2007	6:48:20
baohlgro.els	25,385	9/10/2007	6:48:40
baohlgro.epf	22,211	9/10/2007	6:48:40
baohlgro.gid	634,660	10/2/2007	13:39:18
baohlgro.hif	160,202	10/2/2007	13:39:12
baohlgro.hls	830	10/2/2007	13:39:12
baohlgro.ref	77	9/10/2007	6:47:48
baohlgro.rif	40,165	10/2/2007	13:39:12
baohlgro.rls	5,390	10/2/2007	13:39:12
baohlgro.wlm	267	10/2/2007	13:39:12
baohlgro.wm	0	9/10/2007	6:48:20
baohlgrs.aff	6,236	9/10/2007	6:38:26
baohlgrs.ato	9,259	9/10/2007	6:38:26
baohlgrs.epf	23,171	9/10/2007	6:38:46
baohlgrs.gid	634,660	10/3/2007	7:10:00



File Name	Size/Type	Date	Time
baohlgrs.hif	160,202	10/3/2007	7:09:52
baohlgrs.hls	830	10/3/2007	7:09:52
baohlgrs.ref	77	9/10/2007	6:33:26
baohlgrs.rif	40,165	10/3/2007	7:09:50
baohlgrs.rls	5,390	10/3/2007	7:09:50
baohlgrs.wlm	534	10/3/2007	7:09:50
baohlgrs.wrn	0	9/10/2007	6:38:26
baonlgrg.aff	6,236	9/24/2007	9:18:18
baonlgrg.ato	9,167	9/24/2007	9:18:18
baonlgrg.els	25,385	9/24/2007	9:18:44
baonlgrg.epf	68,583	9/24/2007	9:18:44
baonlgrg.gid	634,657	10/2/2007	13:48:12
baonlgrg.hif	507,664	10/2/2007	13:45:28
baonlgrg.hls	830	10/2/2007	13:45:28
baonlgrg.ref	77	9/14/2007	9:35:30
baonlgrg.rif	112,659	10/2/2007	13:45:28
baonlgrg.rls	5,390	10/2/2007	13:45:28
baonlgrg.wlm	267	10/2/2007	13:45:26
baonlgrg.wrn	0	9/24/2007	9:18:18
baonlgrs.aff	6,236	9/24/2007	9:23:42
baonlgrs.ato	9,139	9/24/2007	9:23:42
baonlgrs.els	25,385	9/24/2007	9:24:08
baonlgrs.epf	23,152	9/24/2007	9:24:08
baonlgrs.gid	634,660	10/3/2007	7:12:10
baonlgrs.hif	160,202	10/3/2007	7:12:04
baonlgrs.hls	830	10/3/2007	7:12:04
baonlgrs.ref	77	9/14/2007	9:45:58
baonlgrs.rif	40,165	10/3/2007	7:12:02
baonlgrs.rls	5,390	10/3/2007	7:12:02
baonlgrs.wlm	356	10/3/2007	7:12:02
baonlgrs.wrn	0	9/24/2007	9:23:42

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badhlgro.aff	6,604	9/17/2007	11:39:18
badhlgro.ato	8,975	9/17/2007	11:39:18
badhlgro.els	26,175	9/17/2007	11:39:42
badhlgro.epf	23,113	9/17/2007	11:39:42
badhlgro.gid	645,787	10/18/2007	9:02:02
badhlgro.hif	164,962	10/18/2007	9:01:54
badhlgro.hls	830	10/18/2007	9:01:54
badhlgro.ref	77	9/17/2007	11:39:02
badhlgro.rif	41,353	10/18/2007	9:01:52
badhlgro.rls	5,484	10/18/2007	9:01:52
badhlgro.wlm	178	10/18/2007	9:01:52
badhlgro.wrn	0	9/17/2007	11:39:18
baohlgro.aff	6,239	9/17/2007	11:40:54
baohlgro.ato	8,633	9/17/2007	11:40:56
baohlgro.els	25,385	9/17/2007	11:41:16

File Name	Size/Type	Date	Time
baohlgro.epf	22,211	9/17/2007	11:41:16
baohlgro.gid	634,662	10/2/2007	13:58:52
baohlgro.hif	160,202	10/2/2007	13:58:40
baohlgro.hls	830	10/2/2007	13:58:40
baohlgro.ref	77	9/17/2007	11:40:40
baohlgro.rif	40,165	10/2/2007	13:58:38
baohlgro.rls	5,390	10/2/2007	13:58:38
baohlgro.wlm	178	10/2/2007	13:58:38
baohlgro.wrn	0	9/17/2007	11:40:56

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hbsndgrg.aff	6,198	3/8/2008	15:14:40
hbsndgrg.ato	8,813	3/8/2008	15:14:40
hbsndgrg.els	24,448	3/8/2008	15:15:06
hbsndgrg.epf	65,787	3/8/2008	15:15:06
hbsndgrg.gid	614,848	3/8/2008	15:15:24
hbsndgrg.hif	484,976	3/8/2008	15:15:18
hbsndgrg.hls	830	3/8/2008	15:15:18
hbsndgrg.ref	197	9/18/2007	12:05:48
hbsndgrg.rif	107,641	3/8/2008	15:15:14
hbsndgrg.rls	5,218	3/8/2008	15:15:14
hbsndgrg.wlm	623	3/8/2008	15:15:14
hbsndgrg.wrn	0	3/8/2008	15:14:40
hbsndgrs.aff	6,198	3/8/2008	15:17:02
hbsndgrs.ato	8,798	3/8/2008	15:17:02
hbsndgrs.els	24,448	3/8/2008	15:17:26
hbsndgrs.epf	22,318	3/8/2008	15:17:26
hbsndgrs.gid	614,853	3/8/2008	15:17:44
hbsndgrs.hif	153,072	3/8/2008	15:17:38
hbsndgrs.hls	830	3/8/2008	15:17:38
hbsndgrs.ref	197	10/19/2007	9:08:28
hbsndgrs.rif	38,393	3/8/2008	15:17:36
hbsndgrs.rls	5,218	3/8/2008	15:17:36
hbsndgrs.wlm	267	3/8/2008	15:17:36
hbsndgrs.wrn	0	3/8/2008	15:17:02
hpsndgrg.aff	6,536	3/8/2008	15:19:40
hpsndgrg.ato	9,081	3/8/2008	15:19:42
hpsndgrg.els	25,320	3/8/2008	15:20:10
hpsndgrg.epf	69,833	3/8/2008	15:20:10
hpsndgrg.gid	666,824	3/8/2008	15:20:34
hpsndgrg.hif	515,246	3/8/2008	15:20:22
hpsndgrg.hls	830	3/8/2008	15:20:22
hpsndgrg.ref	77	8/30/2007	6:39:34
hpsndgrg.rif	114,351	3/8/2008	15:20:18
hpsndgrg.rls	5,535	3/8/2008	15:20:18
hpsndgrg.wlm	356	3/8/2008	15:20:18
hpsndgrg.wrn	0	3/8/2008	15:19:42
hpsndgrs.aff	6,536	3/8/2008	15:22:08

File Name	Size/Type	Date	Time
hpsndgrs.ato	9,065	3/8/2008	15:22:08
hpsndgrs.els	25,320	3/8/2008	15:22:38
hpsndgrs.epf	23,670	3/8/2008	15:22:38
hpsndgrs.gid	666,829	3/8/2008	15:23:00
hpsndgrs.hif	162,598	3/8/2008	15:22:54
hpsndgrs.hls	830	3/8/2008	15:22:54
hpsndgrs.ref	77	8/30/2007	6:41:10
hpsndgrs.rif	40,775	3/8/2008	15:22:52
hpsndgrs.rls	5,535	3/8/2008	15:22:52
hpsndgrs.wlm	534	3/8/2008	15:22:52
hpsndgrs.wm	0	3/8/2008	15:22:08

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hbsndgrg.aff	6,203	10/19/2007	9:06:06
hbsndgrg.ato	8,804	10/19/2007	9:06:06
hbsndgrg.els	24,448	10/19/2007	9:06:26
hbsndgrg.epf	65,806	10/19/2007	9:06:26
hbsndgrg.gid	614,848	10/19/2007	9:06:40
hbsndgrg.hif	484,976	10/19/2007	9:06:36
hbsndgrg.hls	830	10/19/2007	9:06:36
hbsndgrg.rif	107,641	10/19/2007	9:06:34
hbsndgrg.rls	5,218	10/19/2007	9:06:34
hbsndgrg.wlm	534	10/19/2007	9:06:34
hbsndgrg.wm	0	10/19/2007	9:06:06
hbsndgrs.aff	6,203	10/19/2007	9:09:44
hbsndgrs.ato	8,789	10/19/2007	9:09:44
hbsndgrs.els	24,448	10/19/2007	9:10:04
hbsndgrs.epf	22,321	10/19/2007	9:10:04
hbsndgrs.gid	614,853	10/19/2007	9:10:22
hbsndgrs.hif	153,072	10/19/2007	9:10:14
hbsndgrs.hls	830	10/19/2007	9:10:14
hbsndgrs.ref	197	10/19/2007	9:08:28
hbsndgrs.rif	38,393	10/19/2007	9:10:12
hbsndgrs.rls	5,218	10/19/2007	9:10:12
hbsndgrs.wlm	267	10/19/2007	9:10:12
hbsndgrs.wm	0	10/19/2007	9:09:44
hhdhlgrg.aff	5,869	8/29/2007	15:56:38
hhdhlgrg.ato	8,498	8/29/2007	15:56:38
hhdhlgrg.els	24,506	8/29/2007	15:56:58
hhdhlgrg.epf	63,598	8/29/2007	15:56:58
hhdhlgrg.gid	622,942	9/12/2007	13:17:46
hhdhlgrg.hif	462,264	9/12/2007	13:17:42
hhdhlgrg.hls	830	9/12/2007	13:17:42
hhdhlgrg.ref	77	8/29/2007	15:28:26
hhdhlgrg.rif	102,599	9/12/2007	13:17:40
hhdhlgrg.rls	5,156	9/12/2007	13:17:40
hhdhlgrg.wlm	267	9/12/2007	13:17:40
hhdhlgrg.wm	0	8/29/2007	15:56:38

File Name	Size/Type	Date	Time
hhdhlgrs.aff	5,869	8/29/2007	15:58:42
hhdhlgrs.ato	8,480	8/29/2007	15:58:42
hhdhlgrs.els	24,506	8/29/2007	15:58:58
hhdhlgrs.epf	21,479	8/29/2007	15:58:58
hhdhlgrs.gid	622,947	9/12/2007	13:20:48
hhdhlgrs.hif	145,918	9/12/2007	13:20:42
hhdhlgrs.hls	830	9/12/2007	13:20:42
hhdhlgrs.ref	77	8/29/2007	15:30:32
hhdhlgrs.rif	36,597	9/12/2007	13:20:40
hhdhlgrs.rls	5,156	9/12/2007	13:20:40
hhdhlgrs.wlm	534	9/12/2007	13:20:40
hhdhlgrs.wrn	0	8/29/2007	15:58:42
hidhlgrg.aff	6,148	9/11/2007	13:52:28
hidhlgrg.ato	8,910	9/11/2007	13:52:28
hidhlgrg.els	25,705	9/11/2007	13:52:54
hidhlgrg.epf	66,945	9/11/2007	13:52:54
hidhlgrg.gid	657,994	9/12/2007	13:23:04
hidhlgrg.hif	484,960	9/12/2007	13:22:44
hidhlgrg.hls	830	9/12/2007	13:22:44
hidhlgrg.ref	77	8/29/2007	15:39:44
hidhlgrg.rif	107,625	9/12/2007	13:22:42
hidhlgrg.rls	5,383	9/12/2007	13:22:42
hidhlgrg.wlm	534	9/12/2007	13:22:42
hidhlgrg.wrn	0	9/11/2007	13:52:28
hidhlgrs.aff	6,148	9/11/2007	13:55:12
hidhlgrs.ato	8,898	9/11/2007	13:55:12
hidhlgrs.els	25,705	9/11/2007	13:55:36
hidhlgrs.epf	22,473	9/11/2007	13:55:36
hidhlgrs.gid	657,999	9/12/2007	13:25:32
hidhlgrs.hif	153,056	9/12/2007	13:25:24
hidhlgrs.hls	830	9/12/2007	13:25:24
hidhlgrs.ref	77	8/29/2007	15:42:02
hidhlgrs.rif	38,377	9/12/2007	13:25:24
hidhlgrs.rls	5,383	9/12/2007	13:25:24
hidhlgrs.wlm	445	9/12/2007	13:25:24
hidhlgrs.wrn	0	9/11/2007	13:55:12
hpsndgrg.aff	6,531	10/19/2007	9:11:54
hpsndgrg.ato	9,072	10/19/2007	9:11:54
hpsndgrg.els	25,320	10/19/2007	9:12:18
hpsndgrg.epf	69,857	10/19/2007	9:12:18
hpsndgrg.gid	666,824	10/19/2007	9:14:18
hpsndgrg.hif	515,246	10/19/2007	9:12:26
hpsndgrg.hls	830	10/19/2007	9:12:26
hpsndgrg.rif	114,351	10/19/2007	9:12:26
hpsndgrg.rls	5,535	10/19/2007	9:12:26
hpsndgrg.wlm	356	10/19/2007	9:12:26
hpsndgrg.wrn	0	10/19/2007	9:11:54
hpsndgrs.aff	6,531	10/19/2007	9:19:52
hpsndgrs.ato	9,056	10/19/2007	9:19:52
hpsndgrs.els	25,320	10/19/2007	9:20:16

File Name	Size/Type	Date	Time
hpsndgrs.epf	23,674	10/19/2007	9:20:16
hpsndgrs.gid	666,829	10/19/2007	9:20:38
hpsndgrs.hif	162,598	10/19/2007	9:20:26
hpsndgrs.hls	830	10/19/2007	9:20:26
hpsndgrs.rif	40,775	10/19/2007	9:20:24
hpsndgrs.rls	5,535	10/19/2007	9:20:24
hpsndgrs.wlm	534	10/19/2007	9:20:24
hpsndgrs.wrn	0	10/19/2007	9:19:52
hsdhlgrg.aff	6,673	8/29/2007	15:47:12
hsdhlgrg.ato	9,782	8/29/2007	15:47:12
hsdhlgrg.els	28,144	8/29/2007	15:47:38
hsdhlgrg.epf	72,449	8/29/2007	15:47:38
hsdhlgrg.gid	721,989	9/12/2007	13:27:40
hsdhlgrg.hif	530,378	9/12/2007	13:27:30
hsdhlgrg.hls	830	9/12/2007	13:27:30
hsdhlgrg.ref	77	8/29/2007	15:45:48
hsdhlgrg.rif	117,703	9/12/2007	13:27:30
hsdhlgrg.rls	5,794	9/12/2007	13:27:30
hsdhlgrg.wlm	178	9/12/2007	13:27:28
hsdhlgrg.wrn	0	8/29/2007	15:47:12
hsdhlgrs.aff	6,673	8/29/2007	15:53:16
hsdhlgrs.ato	9,760	8/29/2007	15:53:18
hsdhlgrs.els	28,144	8/29/2007	15:53:42
hsdhlgrs.epf	24,571	8/29/2007	15:53:42
hsdhlgrs.gid	721,994	9/12/2007	13:29:48
hsdhlgrs.hif	167,358	9/12/2007	13:29:38
hsdhlgrs.hls	830	9/12/2007	13:29:38
hsdhlgrs.ref	77	8/29/2007	15:52:14
hsdhlgrs.rif	41,963	9/12/2007	13:29:38
hsdhlgrs.rls	5,794	9/12/2007	13:29:38
hsdhlgrs.wlm	356	9/12/2007	13:29:38
hsdhlgrs.wrn	0	8/29/2007	15:53:18
hwdhlgrg.aff	7,109	9/11/2007	13:30:46
hwdhlgrg.ato	10,511	9/11/2007	13:30:46
hwdhlgrg.els	30,033	9/11/2007	13:31:22
hwdhlgrg.epf	77,972	9/11/2007	13:31:22
hwdhlgrg.gid	763,007	9/12/2007	13:31:40
hwdhlgrg.hif	568,204	9/12/2007	13:31:30
hwdhlgrg.hls	830	9/12/2007	13:31:30
hwdhlgrg.ref	77	8/29/2007	15:23:38
hwdhlgrg.rif	126,079	9/12/2007	13:31:28
hwdhlgrg.rls	6,084	9/12/2007	13:31:28
hwdhlgrg.wlm	356	9/12/2007	13:31:28
hwdhlgrg.wrn	0	9/11/2007	13:30:46
hwdhlgrs.aff	7,109	9/11/2007	13:34:20
hwdhlgrs.ato	10,476	9/11/2007	13:34:20
hwdhlgrs.els	30,033	9/11/2007	13:34:54
hwdhlgrs.epf	26,309	9/11/2007	13:34:54
hwdhlgrs.gid	763,012	9/12/2007	13:34:04
hwdhlgrs.hif	179,254	9/12/2007	13:33:48

File Name	Size/Type	Date	Time
hwdhlgrs.hls	830	9/12/2007	13:33:48
hwdhlgrs.ref	77	8/29/2007	15:07:24
hwdhlgrs.rif	44,929	9/12/2007	13:33:48
hwdhlgrs.rls	6,084	9/12/2007	13:33:48
hwdhlgrs.wlm	534	9/12/2007	13:33:46
hwdhlgrs.wrn	0	9/11/2007	13:34:20

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lwfndgrg.aff	930	8/30/2007	5:52:38
lwfndgrg.ato	985	8/30/2007	5:52:38
lwfndgrg.els	3,750	8/30/2007	5:52:40
lwfndgrg.epf	5,281	8/30/2007	5:52:40
lwfndgrg.gid	53,188	9/12/2007	13:36:22
lwfndgrg.hif	38,478	9/12/2007	13:36:18
lwfndgrg.hls	830	9/12/2007	13:36:18
lwfndgrg.ref	77	8/30/2007	5:52:28
lwfndgrg.rif	8,653	9/12/2007	13:36:18
lwfndgrg.rls	1,356	9/12/2007	13:36:18
lwfndgrg.wlm	178	9/12/2007	13:36:18
lwfndgrg.wrn	0	8/30/2007	5:52:38
lwfndgrs.aff	930	8/30/2007	5:57:12
lwfndgrs.ato	996	8/30/2007	5:57:12
lwfndgrs.els	3,750	8/30/2007	5:57:12
lwfndgrs.epf	1,956	8/30/2007	5:57:12
lwfndgrs.gid	53,193	9/12/2007	13:37:52
lwfndgrs.hif	12,548	9/12/2007	13:37:50
lwfndgrs.hls	830	9/12/2007	13:37:50
lwfndgrs.ref	77	8/30/2007	5:56:58
lwfndgrs.rif	3,243	9/12/2007	13:37:50
lwfndgrs.rls	1,356	9/12/2007	13:37:50
lwfndgrs.wlm	267	9/12/2007	13:37:50
lwfndgrs.wrn	0	8/30/2007	5:57:12
lwsndgrg.aff	975	12/27/2007	13:47:42
lwsndgrg.ato	1,012	12/27/2007	13:47:42
lwsndgrg.els	3,750	12/27/2007	13:47:44
lwsndgrg.epf	5,132	12/27/2007	13:47:44
lwsndgrg.gid	53,234	12/27/2007	13:48:00
lwsndgrg.hif	38,478	12/27/2007	13:47:44
lwsndgrg.hls	830	12/27/2007	13:47:44
lwsndgrg.ref	77	8/30/2007	6:18:02
lwsndgrg.rif	8,653	12/27/2007	13:47:44
lwsndgrg.rls	1,356	12/27/2007	13:47:44
lwsndgrg.wlm	267	12/27/2007	13:47:44
lwsndgrg.wrn	0	12/27/2007	13:47:42
lwsndgrs.aff	975	12/27/2007	13:53:52
lwsndgrs.ato	1,020	12/27/2007	13:53:52
lwsndgrs.els	3,750	12/27/2007	13:53:52
lwsndgrs.epf	1,919	12/27/2007	13:53:52

File Name	Size/Type	Date	Time
lwsndgrs.gid	53,238	12/27/2007	13:53:58
lwsndgrs.hif	12,548	12/27/2007	13:53:54
lwsndgrs.hls	830	12/27/2007	13:53:54
lwsndgrs.ref	77	8/30/2007	6:25:20
lwsndgrs.rif	3,243	12/27/2007	13:53:52
lwsndgrs.rls	1,356	12/27/2007	13:53:52
lwsndgrs.wlm	356	12/27/2007	13:53:52
lwsndgrs.wrn	0	12/27/2007	13:53:52

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cmdhdape.aff	611	10/19/2007	8:24:16
cmdhdape.ato	472	10/19/2007	8:24:16
cmdhdape.els	2,378	10/19/2007	8:24:16
cmdhdape.epf	600	10/19/2007	8:24:16
cmdhdape.gid	36,575	10/19/2007	8:24:26
cmdhdape.hif	3,050	10/19/2007	8:24:18
cmdhdape.hls	830	10/19/2007	8:24:18
cmdhdape.ref	77	8/29/2007	7:48:36
cmdhdape.rif	889	10/19/2007	8:24:16
cmdhdape.rls	1,215	10/19/2007	8:24:16
cmdhdape.wlm	267	10/19/2007	8:24:16
cmdhdape.wrn	0	10/19/2007	8:24:16
cmdhdapg.aff	611	10/19/2007	8:29:56
cmdhdapg.ato	494	10/19/2007	8:29:56
cmdhdapg.els	2,378	10/19/2007	8:29:56
cmdhdapg.epf	1,362	10/19/2007	8:29:56
cmdhdapg.gid	36,574	10/19/2007	8:30:02
cmdhdapg.hif	8,236	10/19/2007	8:29:58
cmdhdapg.hls	830	10/19/2007	8:29:58
cmdhdapg.ref	197	8/29/2007	7:42:42
cmdhdapg.rif	1,971	10/19/2007	8:29:58
cmdhdapg.rls	1,215	10/19/2007	8:29:58
cmdhdapg.wlm	267	10/19/2007	8:29:58
cmdhdapg.wrn	0	10/19/2007	8:29:56
cmdhdapo.aff	611	10/19/2007	8:32:16
cmdhdapo.ato	465	10/19/2007	8:32:16
cmdhdapo.els	2,378	10/19/2007	8:32:16
cmdhdapo.epf	594	10/19/2007	8:32:16
cmdhdapo.gid	36,575	10/19/2007	8:32:20
cmdhdapo.hif	3,050	10/19/2007	8:32:16
cmdhdapo.hls	830	10/19/2007	8:32:16
cmdhdapo.ref	197	8/29/2007	7:45:52
cmdhdapo.rif	889	10/19/2007	8:32:16
cmdhdapo.rls	1,215	10/19/2007	8:32:16
cmdhdapo.wlm	267	10/19/2007	8:32:16
cmdhdapo.wrn	0	10/19/2007	8:32:16
cmdhdaps.aff	611	10/19/2007	8:34:36
cmdhdaps.ato	492	10/19/2007	8:34:36

File Name	Size/Type	Date	Time
cmdhdaps.els	2,378	10/19/2007	8:34:38
cmdhdaps.epf	624	10/19/2007	8:34:38
cmdhdaps.gid	36,575	10/19/2007	8:34:42
cmdhdaps.hif	3,050	10/19/2007	8:34:38
cmdhdaps.hls	830	10/19/2007	8:34:38
cmdhdaps.ref	77	8/29/2007	7:48:56
cmdhdaps.rif	889	10/19/2007	8:34:38
cmdhdaps.rls	1,215	10/19/2007	8:34:38
cmdhdaps.wlm	267	10/19/2007	8:34:38
cmdhdaps.wrn	0	10/19/2007	8:34:36
nbdhdgre.aff	4,557	3/8/2008	14:13:36
nbdhdgre.ato	9,353	3/8/2008	14:13:38
nbdhdgre.els	25,890	3/8/2008	14:14:08
nbdhdgre.epf	12,333	3/8/2008	14:14:08
nbdhdgre.gid	643,229	3/8/2008	14:14:20
nbdhdgre.hif	83,680	3/8/2008	14:14:16
nbdhdgre.hls	830	3/8/2008	14:14:16
nbdhdgre.ref	77	9/20/2007	8:44:12
nbdhdgre.rif	21,688	3/8/2008	14:14:14
nbdhdgre.rls	5,484	3/8/2008	14:14:14
nbdhdgre.wlm	356	3/8/2008	14:14:14
nbdhdgre.wrn	0	3/8/2008	14:13:38
nbdhdgrg.aff	4,557	3/8/2008	14:31:20
nbdhdgrg.ato	9,880	3/8/2008	14:31:20
nbdhdgrg.els	25,890	3/8/2008	14:31:54
nbdhdgrg.epf	38,929	3/8/2008	14:31:54
nbdhdgrg.gid	643,224	3/8/2008	14:32:04
nbdhdgrg.hif	262,597	3/8/2008	14:32:00
nbdhdgrg.hls	830	3/8/2008	14:32:00
nbdhdgrg.ref	77	9/20/2007	7:59:52
nbdhdgrg.rif	59,017	3/8/2008	14:31:58
nbdhdgrg.rls	5,484	3/8/2008	14:31:58
nbdhdgrg.wlm	267	3/8/2008	14:31:58
nbdhdgrg.wrn	0	3/8/2008	14:31:20
nbdhdgro.aff	4,541	3/8/2008	14:33:34
nbdhdgro.ato	9,248	3/8/2008	14:33:34
nbdhdgro.els	25,890	3/8/2008	14:34:08
nbdhdgro.epf	12,319	3/8/2008	14:34:08
nbdhdgro.gid	643,229	3/8/2008	14:34:20
nbdhdgro.hif	83,680	3/8/2008	14:34:16
nbdhdgro.hls	830	3/8/2008	14:34:16
nbdhdgro.ref	77	9/20/2007	8:46:44
nbdhdgro.rif	21,688	3/8/2008	14:34:14
nbdhdgro.rls	5,484	3/8/2008	14:34:14
nbdhdgro.wlm	445	3/8/2008	14:34:14
nbdhdgro.wrn	0	3/8/2008	14:33:34
nbdhdgrs.aff	4,557	3/8/2008	14:36:04
nbdhdgrs.ato	9,885	3/8/2008	14:36:04
nbdhdgrs.els	25,890	3/8/2008	14:36:40
nbdhdgrs.epf	13,301	3/8/2008	14:36:40



File Name	Size/Type	Date	Time
nbdhdgrs.gid	643,229	3/8/2008	14:37:02
nbdhdgrs.hif	83,680	3/8/2008	14:36:46
nbdhdgrs.hls	830	3/8/2008	14:36:46
nbdhdgrs.ref	77	9/20/2007	8:37:44
nbdhdgrs.rif	21,688	3/8/2008	14:36:44
nbdhdgrs.rls	5,484	3/8/2008	14:36:44
nbdhdgrs.wlm	356	3/8/2008	14:36:44
nbdhdgrs.wrn	0	3/8/2008	14:36:04
nmhdgre.aff	5,915	3/8/2008	14:39:10
nmhdgre.ato	9,622	3/8/2008	14:39:10
nmhdgre.els	26,760	3/8/2008	14:39:42
nmhdgre.epf	13,023	3/8/2008	14:39:42
nmhdgre.gid	696,129	3/8/2008	14:39:54
nmhdgre.hif	88,494	3/8/2008	14:39:50
nmhdgre.hls	830	3/8/2008	14:39:50
nmhdgre.ref	77	9/7/2007	9:14:32
nmhdgre.rif	22,930	3/8/2008	14:39:48
nmhdgre.rls	5,801	3/8/2008	14:39:48
nmhdgre.wlm	979	3/8/2008	14:39:48
nmhdgre.wrn	0	3/8/2008	14:39:10
nmhdgrg.aff	5,915	3/8/2008	14:41:32
nmhdgrg.ato	10,157	3/8/2008	14:41:32
nmhdgrg.els	26,760	3/8/2008	14:42:10
nmhdgrg.epf	41,088	3/8/2008	14:42:10
nmhdgrg.gid	696,122	3/8/2008	14:42:20
nmhdgrg.hif	277,783	3/8/2008	14:42:16
nmhdgrg.hls	830	3/8/2008	14:42:16
nmhdgrg.ref	77	9/7/2007	8:15:48
nmhdgrg.rif	62,423	3/8/2008	14:42:14
nmhdgrg.rls	5,801	3/8/2008	14:42:14
nmhdgrg.wlm	534	3/8/2008	14:42:14
nmhdgrg.wrn	0	3/8/2008	14:41:32
nmhdgro.aff	5,915	3/8/2008	14:43:56
nmhdgro.ato	9,501	3/8/2008	14:43:56
nmhdgro.els	26,760	3/8/2008	14:44:28
nmhdgro.epf	12,981	3/8/2008	14:44:28
nmhdgro.gid	696,127	3/8/2008	14:44:56
nmhdgro.hif	88,494	3/8/2008	14:44:36
nmhdgro.hls	830	3/8/2008	14:44:36
nmhdgro.ref	77	9/7/2007	9:17:12
nmhdgro.rif	22,930	3/8/2008	14:44:34
nmhdgro.rls	5,801	3/8/2008	14:44:34
nmhdgro.wlm	890	3/8/2008	14:44:34
nmhdgro.wrn	0	3/8/2008	14:43:56
nmhdgrs.aff	5,915	3/8/2008	14:46:18
nmhdgrs.ato	10,159	3/8/2008	14:46:18
nmhdgrs.els	26,760	3/8/2008	14:46:54
nmhdgrs.epf	14,025	3/8/2008	14:46:54
nmhdgrs.gid	696,127	3/8/2008	14:47:12
nmhdgrs.hif	88,494	3/8/2008	14:47:04

File Name	Size/Type	Date	Time
nmdhdgrs.hls	830	3/8/2008	14:47:04
nmdhdgrs.ref	77	9/7/2007	8:57:42
nmdhdgrs.rif	22,930	3/8/2008	14:47:02
nmdhdgrs.rls	5,801	3/8/2008	14:47:02
nmdhdgrs.wlm	890	3/8/2008	14:47:02
nmdhdgrs.wrn	0	3/8/2008	14:46:18
nodhdgre.aff	6,002	7/17/2008	6:52:58
nodhdgre.ato	9,623	7/17/2008	6:52:58
nodhdgre.els	26,760	7/17/2008	6:53:20
nodhdgre.epf	13,025	7/17/2008	6:53:20
nodhdgre.gid	696,267	7/17/2008	6:53:30
nodhdgre.hif	88,494	7/17/2008	6:53:26
nodhdgre.hls	830	7/17/2008	6:53:26
nodhdgre.ref	77	8/28/2007	12:34:08
nodhdgre.rif	22,930	7/17/2008	6:53:24
nodhdgre.rls	5,801	7/17/2008	6:53:24
nodhdgre.wlm	534	7/17/2008	6:53:24
nodhdgre.wrn	0	7/17/2008	6:52:58
nodhdgrg.aff	6,002	7/17/2008	6:39:50
nodhdgrg.ato	10,155	7/17/2008	6:39:50
nodhdgrg.els	26,760	7/17/2008	6:40:14
nodhdgrg.epf	41,127	7/17/2008	6:40:14
nodhdgrg.gid	696,262	7/17/2008	6:40:36
nodhdgrg.hif	277,783	7/17/2008	6:40:24
nodhdgrg.hls	830	7/17/2008	6:40:24
nodhdgrg.ref	77	8/27/2007	7:25:56
nodhdgrg.rif	62,423	7/17/2008	6:40:20
nodhdgrg.rls	5,801	7/17/2008	6:40:20
nodhdgrg.wlm	1,068	7/17/2008	6:40:20
nodhdgrg.wrn	0	7/17/2008	6:39:50
nodhdgro.aff	6,002	7/17/2008	6:58:38
nodhdgro.ato	9,507	7/17/2008	6:58:38
nodhdgro.els	26,760	7/17/2008	6:59:10
nodhdgro.epf	12,993	7/17/2008	6:59:10
nodhdgro.gid	696,267	7/17/2008	6:59:26
nodhdgro.hif	88,494	7/17/2008	6:59:16
nodhdgro.hls	830	7/17/2008	6:59:16
nodhdgro.ref	77	8/28/2007	7:15:14
nodhdgro.rif	22,930	7/17/2008	6:59:14
nodhdgro.rls	5,801	7/17/2008	6:59:14
nodhdgro.wlm	623	7/17/2008	6:59:14
nodhdgro.wrn	0	7/17/2008	6:58:38
nodhdgrs.aff	6,002	7/17/2008	6:47:38
nodhdgrs.ato	10,161	7/17/2008	6:47:38
nodhdgrs.els	26,760	7/17/2008	6:48:02
nodhdgrs.epf	14,037	7/17/2008	6:48:02
nodhdgrs.gid	696,267	7/17/2008	6:48:16
nodhdgrs.hif	88,494	7/17/2008	6:48:10
nodhdgrs.hls	830	7/17/2008	6:48:10
nodhdgrs.ref	77	8/28/2007	6:47:08

File Name	Size/Type	Date	Time
nodhdgrs.rif	22,930	7/17/2008	6:48:08
nodhdgrs.rls	5,801	7/17/2008	6:48:08
nodhdgrs.wlm	534	7/17/2008	6:48:08
nodhdgrs.wrn	0	7/17/2008	6:47:38
sfdhdsfe.aff	1,899	3/8/2008	14:58:02
sfdhdsfe.ato	3,890	3/8/2008	14:58:02
sfdhdsfe.els	10,866	3/8/2008	14:58:06
sfdhdsfe.epf	4,321	3/8/2008	14:58:06
sfdhdsfe.gid	179,541	3/8/2008	14:58:10
sfdhdsfe.hif	28,312	3/8/2008	14:58:08
sfdhdsfe.hls	830	3/8/2008	14:58:08
sfdhdsfe.ref	77	12/6/2007	9:58:02
sfdhdsfe.rif	7,398	3/8/2008	14:58:06
sfdhdsfe.rls	2,369	3/8/2008	14:58:06
sfdhdsfe.wlm	267	3/8/2008	14:58:06
sfdhdsfe.wrn	0	3/8/2008	14:58:02
sfdhdsfg.aff	1,899	3/8/2008	14:59:44
sfdhdsfg.ato	4,045	3/8/2008	14:59:44
sfdhdsfg.els	10,866	3/8/2008	14:59:46
sfdhdsfg.epf	13,266	3/8/2008	14:59:46
sfdhdsfg.gid	179,536	3/8/2008	14:59:52
sfdhdsfg.hif	87,951	3/8/2008	14:59:48
sfdhdsfg.hls	830	3/8/2008	14:59:48
sfdhdsfg.ref	197	12/6/2007	9:33:22
sfdhdsfg.rif	19,841	3/8/2008	14:59:48
sfdhdsfg.rls	2,369	3/8/2008	14:59:48
sfdhdsfg.wlm	178	3/8/2008	14:59:48
sfdhdsfg.wrn	0	3/8/2008	14:59:44
sfdhdsfo.aff	1,899	3/8/2008	15:01:06
sfdhdsfo.ato	3,894	3/8/2008	15:01:06
sfdhdsfo.els	10,866	3/8/2008	15:01:10
sfdhdsfo.epf	4,329	3/8/2008	15:01:10
sfdhdsfo.gid	179,541	3/8/2008	15:01:16
sfdhdsfo.hif	28,312	3/8/2008	15:01:12
sfdhdsfo.hls	830	3/8/2008	15:01:12
sfdhdsfo.ref	77	12/6/2007	10:04:38
sfdhdsfo.rif	7,398	3/8/2008	15:01:10
sfdhdsfo.rls	2,369	3/8/2008	15:01:10
sfdhdsfo.wlm	178	3/8/2008	15:01:10
sfdhdsfo.wrn	0	3/8/2008	15:01:06
sfdhdsfs.aff	1,899	3/8/2008	15:02:22
sfdhdsfs.ato	4,042	3/8/2008	15:02:22
sfdhdsfs.els	10,866	3/8/2008	15:02:26
sfdhdsfs.epf	4,671	3/8/2008	15:02:26
sfdhdsfs.gid	179,541	3/8/2008	15:02:30
sfdhdsfs.hif	28,312	3/8/2008	15:02:26
sfdhdsfs.hls	830	3/8/2008	15:02:26
sfdhdsfs.ref	77	12/6/2007	9:49:44
sfdhdsfs.rif	7,398	3/8/2008	15:02:26
sfdhdsfs.rls	2,369	3/8/2008	15:02:26

File Name	Size/Type	Date	Time
sfdhdsfs.wlm	178	3/8/2008	15:02:26
sfdhdsfs.wrn	0	3/8/2008	15:02:22

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MAX	DIR	9/18/2008	14:06:45
MAX50%	DIR	9/18/2008	14:06:28
POOL	DIR	9/18/2008	14:06:24
REP	DIR	9/18/2008	14:06:23
REP50%	DIR	9/18/2008	14:06:12

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p1dnlgrg.aff	6,944	3/8/2008	16:18:12
p1dnlgrg.ato	9,806	3/8/2008	16:18:12
p1dnlgrg.els	27,047	3/8/2008	16:18:46
p1dnlgrg.epf	74,803	3/8/2008	16:18:46
p1dnlgrg.gid	697,740	3/8/2008	16:19:06
p1dnlgrg.hif	553,066	3/8/2008	16:19:00
p1dnlgrg.hls	830	3/8/2008	16:19:00
p1dnlgrg.ref	77	3/8/2008	16:17:06
p1dnlgrg.rif	122,721	3/8/2008	16:18:56
p1dnlgrg.rls	5,801	3/8/2008	16:18:56
p1dnlgrg.wlm	89	3/8/2008	16:18:56
p1dnlgrg.wrn	0	3/8/2008	16:18:12
p1dnlgrs.aff	6,944	3/8/2008	16:24:46
p1dnlgrs.ato	9,799	3/8/2008	16:24:46
p1dnlgrs.els	27,047	3/8/2008	16:25:18
p1dnlgrs.epf	25,371	3/8/2008	16:25:18
p1dnlgrs.gid	697,743	3/8/2008	16:25:36
p1dnlgrs.hif	174,488	3/8/2008	16:25:32
p1dnlgrs.hls	830	3/8/2008	16:25:32
p1dnlgrs.ref	77	3/8/2008	16:22:04
p1dnlgrs.rif	43,735	3/8/2008	16:25:30
p1dnlgrs.rls	5,801	3/8/2008	16:25:30
p1dnlgrs.wlm	178	3/8/2008	16:25:30
p1dnlgrs.wrn	0	3/8/2008	16:24:46
p1onlgrg.aff	6,517	3/8/2008	16:20:16
p1onlgrg.ato	9,430	3/8/2008	16:20:16
p1onlgrg.els	26,257	3/8/2008	16:20:50
p1onlgrg.epf	72,684	3/8/2008	16:20:50
p1onlgrg.gid	686,620	3/8/2008	16:21:06
p1onlgrg.hif	537,934	3/8/2008	16:21:02
p1onlgrg.hls	830	3/8/2008	16:21:02
p1onlgrg.ref	77	3/8/2008	16:20:00
p1onlgrg.rif	119,369	3/8/2008	16:21:00
p1onlgrg.rls	5,707	3/8/2008	16:21:00
p1onlgrg.wlm	89	3/8/2008	16:21:00

File Name	Size/Type	Date	Time
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plonlgrs.aff	6,517	3/8/2008	16:26:24
plonlgrs.ato	9,421	3/8/2008	16:26:26
plonlgrs.els	26,257	3/8/2008	16:26:54
plonlgrs.epf	24,509	3/8/2008	16:26:54
plonlgrs.gid	686,623	3/8/2008	16:27:12
plonlgrs.hif	169,728	3/8/2008	16:27:08
plonlgrs.hls	830	3/8/2008	16:27:08
plonlgrs.ref	77	3/8/2008	16:26:06
plonlgrs.rif	42,547	3/8/2008	16:27:04
plonlgrs.rls	5,707	3/8/2008	16:27:04
plonlgrs.wlm	89	3/8/2008	16:27:04
plonlgrs.wrn	0	3/8/2008	16:26:26
pmdhlgrg.aff	6,931	8/30/2007	10:04:48
pmdhlgrg.ato	9,874	8/30/2007	10:04:48
pmdhlgrg.els	27,047	8/30/2007	10:05:30
pmdhlgrg.epf	74,973	8/30/2007	10:05:30
pmdhlgrg.gid	697,744	10/18/2007	5:51:30
pmdhlgrg.hif	553,066	10/18/2007	5:50:34
pmdhlgrg.hls	830	10/18/2007	5:50:34
pmdhlgrg.ref	77	8/30/2007	10:03:18
pmdhlgrg.rif	122,721	10/18/2007	5:50:32
pmdhlgrg.rls	5,801	10/18/2007	5:50:32
pmdhlgrg.wlm	267	10/18/2007	5:50:32
pmdhlgrg.wrn	0	8/30/2007	10:04:48
pmdhlgrs.aff	6,931	8/30/2007	10:32:52
pmdhlgrs.ato	9,861	8/30/2007	10:32:52
pmdhlgrs.els	27,047	8/30/2007	10:33:34
pmdhlgrs.epf	25,409	8/30/2007	10:33:34
pmdhlgrs.gid	697,749	9/12/2007	11:34:42
pmdhlgrs.hif	174,488	9/12/2007	11:34:36
pmdhlgrs.hls	830	9/12/2007	11:34:36
pmdhlgrs.ref	77	8/30/2007	10:32:02
pmdhlgrs.rif	43,735	9/12/2007	11:34:34
pmdhlgrs.rls	5,801	9/12/2007	11:34:34
pmdhlgrs.wlm	178	9/12/2007	11:34:34
pmdhlgrs.wrn	0	8/30/2007	10:32:52
pmdndgrg.aff	6,992	7/4/2007	9:42:08
pmdndgrg.ato	9,799	7/20/2007	11:37:26
pmdndgrg.els	27,047	7/20/2007	11:37:58
pmdndgrg.epf	74,546	7/20/2007	11:37:58
pmdndgrg.gid	697,753	7/20/2007	11:38:22
pmdndgrg.hif	553,066	7/20/2007	11:38:14
pmdndgrg.hls	830	7/20/2007	11:38:14
pmdndgrg.ref	77	6/1/2007	7:22:44
pmdndgrg.rif	122,721	7/20/2007	11:38:10
pmdndgrg.rls	5,801	7/20/2007	11:38:10
pmdndgrg.wlm	267	7/20/2007	11:38:10
pmdndgrg.wrn	0	7/20/2007	11:37:26
pmdndgrs.aff	6,992	7/4/2007	15:20:54

File Name	Size/Type	Date	Time
pmdndgrs.ato	9,786	7/4/2007	15:20:54
pmdndgrs.els	27,047	7/4/2007	15:21:28
pmdndgrs.epf	25,302	7/4/2007	15:21:28
pmdndgrs.gid	697,766	7/4/2007	15:22:10
pmdndgrs.hif	174,488	7/4/2007	15:21:42
pmdndgrs.hls	830	7/4/2007	15:21:42
pmdndgrs.ref	77	7/4/2007	15:15:52
pmdndgrs.rif	43,735	7/4/2007	15:21:38
pmdndgrs.rls	5,801	7/4/2007	15:21:38
pmdndgrs.wlm	89	7/4/2007	15:21:38
pmdndgrs.wrn	0	7/4/2007	15:20:54
pmdnlgrg.aff	6,995	9/6/2007	10:10:54
pmdnlgrg.ato	9,778	9/6/2007	10:10:54
pmdnlgrg.els	27,047	9/6/2007	10:11:20
pmdnlgrg.epf	74,438	9/6/2007	10:11:20
pmdnlgrg.gid	697,737	10/18/2007	6:00:54
pmdnlgrg.hif	553,066	10/18/2007	6:00:38
pmdnlgrg.hls	830	10/18/2007	6:00:38
pmdnlgrg.ref	77	9/6/2007	10:10:00
pmdnlgrg.rif	122,721	10/18/2007	6:00:38
pmdnlgrg.rls	5,801	10/18/2007	6:00:38
pmdnlgrg.wlm	267	10/18/2007	6:00:38
pmdnlgrg.wrn	0	9/6/2007	10:10:54
pmdnlgrs.aff	6,995	9/6/2007	10:12:22
pmdnlgrs.ato	9,774	9/6/2007	10:12:22
pmdnlgrs.els	27,047	9/6/2007	10:12:48
pmdnlgrs.epf	25,258	9/6/2007	10:12:48
pmdnlgrs.gid	697,740	9/12/2007	11:47:44
pmdnlgrs.hif	174,488	9/12/2007	11:47:34
pmdnlgrs.hls	830	9/12/2007	11:47:34
pmdnlgrs.ref	77	9/6/2007	10:11:46
pmdnlgrs.rif	43,735	9/12/2007	11:47:32
pmdnlgrs.rls	5,801	9/12/2007	11:47:32
pmdnlgrs.wlm	178	9/12/2007	11:47:32
pmdnlgrs.wrn	0	9/6/2007	10:12:22
pmfnlgrg.aff	6,700	12/6/2007	6:01:30
pmfnlgrg.ato	9,885	12/6/2007	6:01:30
pmfnlgrg.els	27,047	12/6/2007	6:01:56
pmfnlgrg.epf	74,886	12/6/2007	6:01:56
pmfnlgrg.gid	697,527	12/6/2007	6:02:18
pmfnlgrg.hif	553,066	12/6/2007	6:02:08
pmfnlgrg.hls	830	12/6/2007	6:02:08
pmfnlgrg.ref	197	12/6/2007	5:57:32
pmfnlgrg.rif	122,721	12/6/2007	6:02:06
pmfnlgrg.rls	5,801	12/6/2007	6:02:06
pmfnlgrg.wlm	267	12/6/2007	6:02:06
pmfnlgrg.wrn	0	12/6/2007	6:01:30
pmfnlgrs.aff	6,700	12/6/2007	6:07:34
pmfnlgrs.ato	9,868	12/6/2007	6:07:34
pmfnlgrs.els	27,047	12/6/2007	6:08:00

File Name	Size/Type	Date	Time
pmfnlgrs.epf	25,192	12/6/2007	6:08:00
pmfnlgrs.gid	697,529	12/6/2007	6:08:20
pmfnlgrs.hif	174,488	12/6/2007	6:08:12
pmfnlgrs.hls	830	12/6/2007	6:08:12
pmfnlgrs.ref	197	12/6/2007	6:04:52
pmfnlgrs.rif	43,735	12/6/2007	6:08:10
pmfnlgrs.rls	5,801	12/6/2007	6:08:10
pmfnlgrs.wlm	178	12/6/2007	6:08:10
pmfnlgrs.wrn	0	12/6/2007	6:07:34
pmohlgrg.aff	6,536	8/30/2007	10:18:20
pmohlgrg.ato	9,505	8/30/2007	10:18:20
pmohlgrg.els	26,257	8/30/2007	10:18:58
pmohlgrg.epf	72,779	8/30/2007	10:18:58
pmohlgrg.gid	686,618	10/2/2007	14:29:46
pmohlgrg.hif	537,934	10/2/2007	14:29:40
pmohlgrg.hls	830	10/2/2007	14:29:40
pmohlgrg.ref	77	8/30/2007	10:17:44
pmohlgrg.rif	119,369	10/2/2007	14:29:38
pmohlgrg.rls	5,707	10/2/2007	14:29:38
pmohlgrg.wlm	267	10/2/2007	14:29:38
pmohlgrg.wrn	0	8/30/2007	10:18:20
pmohlgrs.aff	6,536	8/30/2007	10:35:34
pmohlgrs.ato	9,481	8/30/2007	10:35:36
pmohlgrs.els	26,257	8/30/2007	10:36:06
pmohlgrs.epf	24,513	8/30/2007	10:36:06
pmohlgrs.gid	686,621	10/3/2007	6:39:40
pmohlgrs.hif	169,728	10/3/2007	6:39:24
pmohlgrs.hls	830	10/3/2007	6:39:24
pmohlgrs.ref	77	8/30/2007	10:35:00
pmohlgrs.rif	42,547	10/3/2007	6:39:22
pmohlgrs.rls	5,707	10/3/2007	6:39:22
pmohlgrs.wlm	534	10/3/2007	6:39:22
pmohlgrs.wrn	0	8/30/2007	10:35:36
pmonlgrg.aff	6,528	9/6/2007	10:17:10
pmonlgrg.ato	9,388	9/6/2007	10:17:10
pmonlgrg.els	26,257	9/6/2007	10:17:36
pmonlgrg.epf	72,261	9/6/2007	10:17:36
pmonlgrg.gid	686,618	10/2/2007	14:39:48
pmonlgrg.hif	537,934	10/2/2007	14:39:42
pmonlgrg.hls	830	10/2/2007	14:39:42
pmonlgrg.ref	77	9/6/2007	10:16:20
pmonlgrg.rif	119,369	10/2/2007	14:39:40
pmonlgrg.rls	5,707	10/2/2007	14:39:40
pmonlgrg.wlm	267	10/2/2007	14:39:40
pmonlgrg.wrn	0	9/6/2007	10:17:10
pmonlgrs.aff	6,528	9/6/2007	10:18:32
pmonlgrs.ato	9,399	9/6/2007	10:18:32
pmonlgrs.els	26,257	9/6/2007	10:18:56
pmonlgrs.epf	24,403	9/6/2007	10:18:56
pmonlgrs.gid	686,621	10/3/2007	6:43:02

File Name	Size/Type	Date	Time
pmonlgrs.hif	169,728	10/3/2007	6:42:48
pmonlgrs.hls	830	10/3/2007	6:42:48
pmonlgrs.ref	77	9/6/2007	10:18:02
pmonlgrs.rif	42,547	10/3/2007	6:42:46
pmonlgrs.rls	5,707	10/3/2007	6:42:46
pmonlgrs.wlm	356	10/3/2007	6:42:46
pmonlgrs.wrn	0	9/6/2007	10:18:32

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pmdhlgrg.aff	6,934	9/18/2007	9:09:42
pmdhlgrg.ato	9,913	9/18/2007	9:09:42
pmdhlgrg.els	27,047	9/18/2007	9:10:08
pmdhlgrg.epf	75,036	9/18/2007	9:10:08
pmdhlgrg.gid	697,748	10/18/2007	9:05:36
pmdhlgrg.hif	553,066	10/18/2007	9:05:30
pmdhlgrg.hls	830	10/18/2007	9:05:30
pmdhlgrg.ref	77	9/18/2007	9:09:24
pmdhlgrg.rif	122,721	10/18/2007	9:05:30
pmdhlgrg.rls	5,801	10/18/2007	9:05:30
pmdhlgrg.wlm	178	10/18/2007	9:05:28
pmdhlgrg.wrn	0	9/18/2007	9:09:42
pmdhlgrs.aff	6,934	9/18/2007	9:17:24
pmdhlgrs.ato	9,901	9/18/2007	9:17:24
pmdhlgrs.els	27,047	9/18/2007	9:17:48
pmdhlgrs.epf	25,438	9/18/2007	9:17:48
pmdhlgrs.gid	697,753	9/18/2007	9:18:08
pmdhlgrs.hif	174,488	9/18/2007	9:18:00
pmdhlgrs.hls	830	9/18/2007	9:18:00
pmdhlgrs.ref	77	9/18/2007	9:17:06
pmdhlgrs.rif	43,735	9/18/2007	9:17:58
pmdhlgrs.rls	5,801	9/18/2007	9:17:58
pmdhlgrs.wlm	89	9/18/2007	9:17:58
pmdhlgrs.wrn	0	9/18/2007	9:17:24
pmohlgrg.aff	6,539	9/18/2007	9:14:56
pmohlgrg.ato	9,534	9/18/2007	9:14:56
pmohlgrg.els	26,257	9/18/2007	9:15:20
pmohlgrg.epf	72,785	9/18/2007	9:15:20
pmohlgrg.gid	686,620	10/18/2007	12:56:52
pmohlgrg.hif	537,934	10/18/2007	12:56:40
pmohlgrg.hls	830	10/18/2007	12:56:40
pmohlgrg.ref	77	9/18/2007	9:11:42
pmohlgrg.rif	119,369	10/18/2007	12:56:38
pmohlgrg.rls	5,707	10/18/2007	12:56:38
pmohlgrg.wlm	267	10/18/2007	12:56:38
pmohlgrg.wrn	0	9/18/2007	9:14:56
pmohlgrs.aff	6,539	9/18/2007	9:19:14
pmohlgrs.ato	9,505	9/18/2007	9:19:14
pmohlgrs.els	26,257	9/18/2007	9:19:40



File Name	Size/Type	Date	Time
pmohlgrs.epf	24,504	9/18/2007	9:19:40
pmohlgrs.gid	686,623	10/18/2007	13:04:36
pmohlgrs.hif	169,728	10/18/2007	13:04:00
pmohlgrs.hls	830	10/18/2007	13:04:00
pmohlgrs.ref	77	9/18/2007	9:19:00
pmohlgrs.rif	42,547	10/18/2007	13:03:58
pmohlgrs.rls	5,707	10/18/2007	13:03:58
pmohlgrs.wlm	356	10/18/2007	13:03:58
pmohlgrs.wrn	0	9/18/2007	9:19:14

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pmpnlgrg.aff	1,014	8/30/2007	8:48:36
pmpnlgrg.ato	1,004	8/30/2007	8:48:36
pmpnlgrg.els	3,897	8/30/2007	8:48:38
pmpnlgrg.epf	6,040	8/30/2007	8:48:38
pmpnlgrg.gid	61,726	10/18/2007	5:45:16
pmpnlgrg.hif	46,032	10/18/2007	5:45:06
pmpnlgrg.hls	830	10/18/2007	5:45:06
pmpnlgrg.ref	77	8/30/2007	8:48:24
pmpnlgrg.rif	10,317	10/18/2007	5:45:06
pmpnlgrg.rls	1,434	10/18/2007	5:45:06
pmpnlgrg.wlm	267	10/18/2007	5:45:06
pmpnlgrg.wrn	0	8/30/2007	8:48:36
pmpnlgrs.aff	1,014	8/30/2007	8:51:22
pmpnlgrs.ato	1,004	8/30/2007	8:51:24
pmpnlgrs.els	3,897	8/30/2007	8:51:24
pmpnlgrs.epf	2,222	8/30/2007	8:51:24
pmpnlgrs.gid	61,731	9/12/2007	12:44:42
pmpnlgrs.hif	14,916	9/12/2007	12:44:38
pmpnlgrs.hls	830	9/12/2007	12:44:38
pmpnlgrs.ref	77	8/30/2007	8:51:08
pmpnlgrs.rif	3,825	9/12/2007	12:44:38
pmpnlgrs.rls	1,434	9/12/2007	12:44:38
pmpnlgrs.wlm	267	9/12/2007	12:44:38
pmpnlgrs.wrn	0	8/30/2007	8:51:24

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padhlgrg.aff	6,899	7/17/2008	8:18:44
padhlgrg.ato	9,891	7/17/2008	8:18:44
padhlgrg.els	27,047	7/17/2008	8:19:20
padhlgrg.epf	75,062	7/17/2008	8:19:20
padhlgrg.gid	697,698	7/17/2008	8:19:42
padhlgrg.hif	553,066	7/17/2008	8:19:32
padhlgrg.hls	830	7/17/2008	8:19:32
padhlgrg.ref	77	9/5/2007	8:48:12
padhlgrg.rif	122,721	7/17/2008	8:19:30

File Name	Size/Type	Date	Time
padhlgrg.rls	5,801	7/17/2008	8:19:30
padhlgrg.wlm	445	7/17/2008	8:19:30
padhlgrg.wrn	0	7/17/2008	8:18:44
padhlgro.aff	6,899	7/17/2008	7:37:22
padhlgro.ato	9,531	7/17/2008	7:37:22
padhlgro.els	27,047	7/17/2008	7:37:52
padhlgro.epf	24,393	7/17/2008	7:37:52
padhlgro.gid	697,703	7/17/2008	7:38:12
padhlgro.hif	174,488	7/17/2008	7:38:06
padhlgro.hls	830	7/17/2008	7:38:06
padhlgro.ref	77	9/5/2007	12:14:52
padhlgro.rif	43,735	7/17/2008	7:38:02
padhlgro.rls	5,801	7/17/2008	7:38:02
padhlgro.wlm	445	7/17/2008	7:38:02
padhlgro.wrn	0	7/17/2008	7:37:22
padhlgrs.aff	6,899	7/17/2008	8:29:36
padhlgrs.ato	9,871	7/17/2008	8:29:36
padhlgrs.els	27,047	7/17/2008	8:30:02
padhlgrs.epf	25,451	7/17/2008	8:30:02
padhlgrs.gid	697,703	7/17/2008	8:30:22
padhlgrs.hif	174,488	7/17/2008	8:30:14
padhlgrs.hls	830	7/17/2008	8:30:14
padhlgrs.ref	77	9/5/2007	11:53:18
padhlgrs.rif	43,735	7/17/2008	8:30:12
padhlgrs.rls	5,801	7/17/2008	8:30:12
padhlgrs.wlm	534	7/17/2008	8:30:12
padhlgrs.wrn	0	7/17/2008	8:29:36
padnlgrg.aff	6,879	7/17/2008	8:58:02
padnlgrg.ato	9,831	7/17/2008	8:58:02
padnlgrg.els	27,047	7/17/2008	8:58:38
padnlgrg.epf	74,851	7/17/2008	8:58:38
padnlgrg.gid	697,705	7/17/2008	8:58:58
padnlgrg.hif	553,066	7/17/2008	8:58:52
padnlgrg.hls	830	7/17/2008	8:58:52
padnlgrg.ref	77	9/14/2007	8:11:14
padnlgrg.rif	122,721	7/17/2008	8:58:48
padnlgrg.rls	5,801	7/17/2008	8:58:48
padnlgrg.wlm	356	7/17/2008	8:58:48
padnlgrg.wrn	0	7/17/2008	8:58:02
padnlgrs.aff	6,879	7/17/2008	9:09:52
padnlgrs.ato	9,820	7/17/2008	9:09:52
padnlgrs.els	27,047	7/17/2008	9:10:28
padnlgrs.epf	25,398	7/17/2008	9:10:28
padnlgrs.gid	697,710	7/17/2008	9:10:46
padnlgrs.hif	174,488	7/17/2008	9:10:42
padnlgrs.hls	830	7/17/2008	9:10:42
padnlgrs.ref	77	9/14/2007	8:22:48
padnlgrs.rif	43,735	7/17/2008	9:10:38
padnlgrs.rls	5,801	7/17/2008	9:10:38
padnlgrs.wlm	267	7/17/2008	9:10:38

File Name	Size/Type	Date	Time
padnlgrs.wrn	0	7/17/2008	9:09:52
paohlgrg.aff	6,516	7/17/2008	8:22:12
paohlgrg.ato	9,530	7/17/2008	8:22:12
paohlgrg.els	26,257	7/17/2008	8:22:44
paohlgrg.epf	72,793	7/17/2008	8:22:44
paohlgrg.gid	686,567	7/17/2008	8:23:04
paohlgrg.hif	537,934	7/17/2008	8:22:58
paohlgrg.hls	830	7/17/2008	8:22:58
paohlgrg.ref	77	9/5/2007	11:34:48
paohlgrg.rif	119,369	7/17/2008	8:22:54
paohlgrg.rls	5,707	7/17/2008	8:22:54
paohlgrg.wlm	445	7/17/2008	8:22:54
paohlgrg.wrn	0	7/17/2008	8:22:12
paohlgro.aff	6,516	7/17/2008	7:40:18
paohlgro.ato	8,893	7/17/2008	7:40:18
paohlgro.els	26,257	7/17/2008	7:40:56
paohlgro.epf	23,501	7/17/2008	7:40:56
paohlgro.gid	686,570	7/17/2008	7:41:12
paohlgro.hif	169,728	7/17/2008	7:41:08
paohlgro.hls	830	7/17/2008	7:41:08
paohlgro.ref	77	9/5/2007	12:16:42
paohlgro.rif	42,547	7/17/2008	7:41:04
paohlgro.rls	5,707	7/17/2008	7:41:04
paohlgro.wlm	445	7/17/2008	7:41:04
paohlgro.wrn	0	7/17/2008	7:40:18
paohlgrs.aff	6,516	7/17/2008	8:34:56
paohlgrs.ato	9,499	7/17/2008	8:34:56
paohlgrs.els	26,257	7/17/2008	8:35:30
paohlgrs.epf	24,513	7/17/2008	8:35:30
paohlgrs.gid	686,570	7/17/2008	8:36:14
paohlgrs.hif	169,728	7/17/2008	8:35:44
paohlgrs.hls	830	7/17/2008	8:35:44
paohlgrs.ref	77	9/5/2007	11:57:02
paohlgrs.rif	42,547	7/17/2008	8:35:42
paohlgrs.rls	5,707	7/17/2008	8:35:42
paohlgrs.wlm	623	7/17/2008	8:35:42
paohlgrs.wrn	0	7/17/2008	8:34:56
paonlgrg.aff	6,520	7/17/2008	9:02:14
paonlgrg.ato	9,415	7/17/2008	9:02:14
paonlgrg.els	26,257	7/17/2008	9:02:44
paonlgrg.epf	72,537	7/17/2008	9:02:44
paonlgrg.gid	686,567	7/17/2008	9:03:10
paonlgrg.hif	537,934	7/17/2008	9:03:00
paonlgrg.hls	830	7/17/2008	9:03:00
paonlgrg.ref	77	9/14/2007	8:17:30
paonlgrg.rif	119,369	7/17/2008	9:02:56
paonlgrg.rls	5,707	7/17/2008	9:02:56
paonlgrg.wlm	534	7/17/2008	9:02:56
paonlgrg.wrn	0	7/17/2008	9:02:14
paonlgrs.aff	6,520	7/17/2008	9:12:52

File Name	Size/Type	Date	Time
paonlgrs.ato	9,413	7/17/2008	9:12:52
paonlgrs.els	26,257	7/17/2008	9:13:20
paonlgrs.epf	24,466	7/17/2008	9:13:20
paonlgrs.gid	686,568	7/17/2008	9:13:42
paonlgrs.hif	169,728	7/17/2008	9:13:34
paonlgrs.hls	830	7/17/2008	9:13:34
paonlgrs.ref	77	9/14/2007	8:25:04
paonlgrs.rif	42,547	7/17/2008	9:13:32
paonlgrs.rls	5,707	7/17/2008	9:13:32
paonlgrs.wlm	712	7/17/2008	9:13:32
paonlgrs.wrn	0	7/17/2008	9:12:52

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padhlgro.aff	6,899	7/17/2008	7:22:10
padhlgro.ato	9,227	7/17/2008	7:22:10
padhlgro.els	27,047	7/17/2008	7:22:32
padhlgro.epf	24,415	7/17/2008	7:22:32
padhlgro.gid	697,707	7/17/2008	7:22:48
padhlgro.hif	174,488	7/17/2008	7:22:42
padhlgro.hls	830	7/17/2008	7:22:42
padhlgro.ref	77	9/17/2007	11:32:16
padhlgro.rif	43,735	7/17/2008	7:22:40
padhlgro.rls	5,801	7/17/2008	7:22:40
padhlgro.wlm	178	7/17/2008	7:22:40
padhlgro.wrn	0	7/17/2008	7:22:10
paohlgro.aff	6,516	7/17/2008	7:25:52
paohlgro.ato	8,887	7/17/2008	7:25:52
paohlgro.els	26,257	7/17/2008	7:26:26
paohlgro.epf	23,501	7/17/2008	7:26:26
paohlgro.gid	686,568	7/17/2008	7:26:46
paohlgro.hif	169,728	7/17/2008	7:26:38
paohlgro.hls	830	7/17/2008	7:26:38
paohlgro.ref	77	9/17/2007	11:34:48
paohlgro.rif	42,547	7/17/2008	7:26:36
paohlgro.rls	5,707	7/17/2008	7:26:36
paohlgro.wlm	356	7/17/2008	7:26:36
paohlgro.wrn	0	7/17/2008	7:25:52

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ACUTE RELEASE	DIR	9/18/2008	14:03:37
CHRONIC RELEASE	DIR	9/18/2008	14:02:54
GENII_Parameter_Summary.xls	144,384	3/15/2007	12:23:30
RnList.xls	24,576	12/3/2007	10:29:30

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File Name	Size/Type	Date	Time
EXCEL FILES	DIR	9/18/2008	14:03:59
GENIIV2 FILES	DIR	9/18/2008	14:03:29

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ac5cam1.xls	478,720	12/14/2007	8:26:08
ac5cc14.xls	6,034,432	12/14/2007	8:16:14
ac5ccm4.xls	478,208	12/14/2007	8:16:44
ac5cco0.xls	6,033,408	12/14/2007	8:17:54
ac5ccs7.xls	6,016,000	12/14/2007	8:18:54
ac5ch3.xls	6,024,704	12/14/2007	8:20:22
ac5ci29.xls	6,037,504	12/14/2007	8:21:02
ac5ckr5.xls	478,208	12/14/2007	8:21:20
ac5cpu8.xls	478,208	12/14/2007	8:21:38
ac5cru6.xls	6,026,240	12/14/2007	8:22:08
ac5csr0.xls	6,033,408	12/14/2007	8:22:48
Acute summary.xls	49,152	12/14/2007	15:19:12
hsdhlst5.xls	197,120	12/14/2007	8:23:14
nrdndst5.xls	2,217,984	12/14/2007	8:24:08
nrdndstj.xls	2,317,312	12/14/2007	8:24:40
pmdhlst5.xls	2,234,880	12/14/2007	8:25:12
pmdhlstj.xls	2,325,504	12/14/2007	8:25:42
pmohlst5.xls	198,144	12/14/2007	8:26:04

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ACUTE REL	DIR	9/18/2008	14:03:37
RN UNCERTAINTY	DIR	9/18/2008	14:03:29

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hsdhlst5.aff	6,676	11/27/2007	16:05:32
hsdhlst5.ato	9,782	11/27/2007	16:05:34
hsdhlst5.els	28,144	11/27/2007	16:06:04
hsdhlst5.epf	72,449	11/27/2007	16:06:04
hsdhlst5.gid	744,542	11/28/2007	6:50:46
hsdhlst5.hif	530,378	11/27/2007	16:06:14
hsdhlst5.hls	830	11/27/2007	16:06:14
hsdhlst5.ref	77	11/27/2007	16:05:16
hsdhlst5.rif	117,703	11/27/2007	16:06:14
hsdhlst5.rls	5,794	11/27/2007	16:06:14
hsdhlst5.suf	123,759	11/27/2007	22:19:36
hsdhlst5.wlm	89	11/27/2007	16:06:14
hsdhlst5.wrm	106,496	11/27/2007	22:19:36
nrdndst5.aff	7,710	11/30/2007	15:00:04
nrdndst5.ato	11,327	11/30/2007	15:00:04

File Name	Size/Type	Date	Time
nrdndst5.els	31,846	11/30/2007	15:00:42
nrdndst5.epf	82,498	11/30/2007	15:00:42
nrdndst5.gid	802,628	12/3/2007	7:10:48
nrdndst5.hif	606,040	11/30/2007	15:00:56
nrdndst5.hls	830	11/30/2007	15:00:56
nrdndst5.ref	77	11/30/2007	14:59:18
nrdndst5.rif	134,465	11/30/2007	15:00:54
nrdndst5.rls	6,295	11/30/2007	15:00:54
nrdndst5.suf	127,072	11/30/2007	22:31:46
nrdndst5.wlm	89	11/30/2007	15:00:54
nrdndst5.wrn	106,496	11/30/2007	22:31:46
nrdndstj.aff	7,710	11/30/2007	14:47:18
nrdndstj.ato	11,327	11/30/2007	14:47:18
nrdndstj.els	31,846	11/30/2007	14:48:04
nrdndstj.epf	82,498	11/30/2007	14:48:04
nrdndstj.gid	803,618	12/3/2007	7:12:22
nrdndstj.hif	606,040	11/30/2007	14:48:20
nrdndstj.hls	830	11/30/2007	14:48:20
nrdndstj.ref	77	11/30/2007	14:45:56
nrdndstj.rif	134,465	11/30/2007	14:48:16
nrdndstj.rls	6,295	11/30/2007	14:48:16
nrdndstj.suf	133,635	11/30/2007	22:22:18
nrdndstj.wlm	89	11/30/2007	14:48:16
nrdndstj.wrn	106,496	11/30/2007	22:22:18
pmdhlst5.aff	6,934	11/28/2007	16:17:32
pmdhlst5.ato	9,874	11/28/2007	16:17:32
pmdhlst5.els	27,047	11/28/2007	16:17:56
pmdhlst5.epf	74,973	11/28/2007	16:17:56
pmdhlst5.gid	721,159	11/29/2007	6:48:30
pmdhlst5.hif	553,066	11/28/2007	16:18:04
pmdhlst5.hls	830	11/28/2007	16:18:04
pmdhlst5.ref	77	11/28/2007	16:17:18
pmdhlst5.rif	122,721	11/28/2007	16:18:04
pmdhlst5.rls	5,801	11/28/2007	16:18:04
pmdhlst5.suf	127,071	11/28/2007	21:52:32
pmdhlst5.wlm	89	11/28/2007	16:18:02
pmdhlst5.wrn	106,496	11/28/2007	21:52:32
pmdhlstj.aff	6,934	11/27/2007	15:27:38
pmdhlstj.ato	9,874	11/27/2007	15:27:38
pmdhlstj.els	27,047	11/27/2007	15:28:08
pmdhlstj.epf	74,973	11/27/2007	15:28:08
pmdhlstj.gid	722,153	11/28/2007	6:53:30
pmdhlstj.hif	553,066	11/27/2007	15:28:20
pmdhlstj.hls	830	11/27/2007	15:28:20
pmdhlstj.ref	77	11/27/2007	15:27:22
pmdhlstj.rif	122,721	11/27/2007	15:28:18
pmdhlstj.rls	5,801	11/27/2007	15:28:18
pmdhlstj.suf	133,552	11/27/2007	21:05:12
pmdhlstj.wlm	89	11/27/2007	15:28:18
pmdhlstj.wrn	106,496	11/27/2007	21:05:12

File Name	Size/Type	Date	Time
pmohlst5.aff	6,539	11/27/2007	15:29:06
pmohlst5.ato	9,505	11/27/2007	15:29:06
pmohlst5.els	26,257	11/27/2007	15:29:32
pmohlst5.epf	72,779	11/27/2007	15:29:32
pmohlst5.gid	710,036	11/28/2007	6:54:30
pmohlst5.hif	537,934	11/27/2007	15:29:42
pmohlst5.hls	830	11/27/2007	15:29:42
pmohlst5.ref	77	11/27/2007	15:28:48
pmohlst5.rif	119,369	11/27/2007	15:29:40
pmohlst5.rls	5,707	11/27/2007	15:29:40
pmohlst5.suf	123,511	11/27/2007	20:48:28
pmohlst5.wlm	89	11/27/2007	15:29:40
pmohlst5.wrn	106,496	11/27/2007	20:48:28

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ac5cam1.aff	553	11/28/2007	6:55:34
ac5cam1.ato	316	11/28/2007	6:55:34
ac5cam1.els	2,170	11/28/2007	6:55:34
ac5cam1.epf	1,271	11/28/2007	6:55:34
ac5cam1.gid	89,627	11/28/2007	7:20:22
ac5cam1.hif	8,212	11/28/2007	6:55:36
ac5cam1.hls	830	11/28/2007	6:55:36
ac5cam1.ref	77	11/28/2007	6:55:24
ac5cam1.rif	1,947	11/28/2007	6:55:34
ac5cam1.rls	1,168	11/28/2007	6:55:36
ac5cam1.suf	334,148	11/28/2007	7:19:34
ac5cam1.wlm	89	11/28/2007	6:55:34
ac5cam1.wrn	106,496	11/28/2007	7:19:34
ac5cc14.aff	557	11/28/2007	7:21:02
ac5cc14.ato	308	11/28/2007	7:21:02
ac5cc14.els	2,170	11/28/2007	7:21:04
ac5cc14.epf	1,206	11/28/2007	7:21:04
ac5cc14.gid	89,459	11/28/2007	7:48:54
ac5cc14.hif	8,208	11/28/2007	7:21:04
ac5cc14.hls	830	11/28/2007	7:21:04
ac5cc14.ref	77	11/28/2007	7:20:52
ac5cc14.rif	1,943	11/28/2007	7:21:04
ac5cc14.rls	1,168	11/28/2007	7:21:04
ac5cc14.suf	335,297	11/28/2007	7:40:22
ac5cc14.wlm	89	11/28/2007	7:21:04
ac5cc14.wrn	106,496	11/28/2007	7:40:22
ac5ccm4.aff	651	11/28/2007	7:49:24
ac5ccm4.ato	491	11/28/2007	7:49:24
ac5ccm4.els	2,665	11/28/2007	7:49:24
ac5ccm4.epf	2,327	11/28/2007	7:49:24
ac5ccm4.gid	100,034	11/28/2007	8:19:48
ac5ccm4.hif	15,780	11/28/2007	7:49:24
ac5ccm4.hls	830	11/28/2007	7:49:24

File Name	Size/Type	Date	Time
ac5ccm4.ref	77	11/28/2007	7:49:14
ac5ccm4.rif	3,625	11/28/2007	7:49:24
ac5ccm4.rls	1,246	11/28/2007	7:49:24
ac5ccm4.suf	334,148	11/28/2007	8:09:30
ac5ccm4.wlm	89	11/28/2007	7:49:24
ac5ccm4.wrn	106,496	11/28/2007	8:09:30
ac5cco0.aff	551	11/28/2007	8:20:04
ac5cco0.ato	313	11/28/2007	8:20:04
ac5cco0.els	2,170	11/28/2007	8:20:04
ac5cco0.epf	1,265	11/28/2007	8:20:04
ac5cco0.gid	90,099	11/28/2007	9:50:08
ac5cco0.hif	8,210	11/28/2007	8:20:06
ac5cco0.hls	830	11/28/2007	8:20:06
ac5cco0.ref	77	11/28/2007	8:19:54
ac5cco0.rif	1,945	11/28/2007	8:20:06
ac5cco0.rls	1,168	11/28/2007	8:20:06
ac5cco0.suf	342,495	11/28/2007	8:39:24
ac5cco0.wlm	89	11/28/2007	8:20:06
ac5cco0.wrn	106,496	11/28/2007	8:39:24
ac5ccs7.aff	553	11/28/2007	9:50:28
ac5ccs7.ato	311	11/28/2007	9:50:28
ac5ccs7.els	2,170	11/28/2007	9:50:28
ac5ccs7.epf	1,242	11/28/2007	9:50:28
ac5ccs7.gid	89,555	11/28/2007	10:10:10
ac5ccs7.hif	8,212	11/28/2007	9:50:30
ac5ccs7.hls	830	11/28/2007	9:50:30
ac5ccs7.ref	77	11/28/2007	9:50:18
ac5ccs7.rif	1,947	11/28/2007	9:50:28
ac5ccs7.rls	1,168	11/28/2007	9:50:28
ac5ccs7.suf	337,104	11/28/2007	10:09:44
ac5ccs7.wlm	89	11/28/2007	9:50:28
ac5ccs7.wrn	106,496	11/28/2007	10:09:44
ac5ch3.aff	620	11/28/2007	10:10:30
ac5ch3.ato	333	11/28/2007	10:10:30
ac5ch3.els	2,317	11/28/2007	10:10:30
ac5ch3.epf	2,157	11/28/2007	10:10:30
ac5ch3.gid	98,592	11/28/2007	10:47:52
ac5ch3.hif	15,770	11/28/2007	10:10:30
ac5ch3.hls	830	11/28/2007	10:10:30
ac5ch3.ref	77	11/28/2007	10:10:22
ac5ch3.rif	3,615	11/28/2007	10:10:30
ac5ch3.rls	1,246	11/28/2007	10:10:30
ac5ch3.suf	335,860	11/28/2007	10:30:08
ac5ch3.wlm	89	11/28/2007	10:10:30
ac5ch3.wrn	106,496	11/28/2007	10:30:08
ac5ci29.aff	552	11/28/2007	10:48:08
ac5ci29.ato	313	11/28/2007	10:48:08
ac5ci29.els	2,170	11/28/2007	10:48:10
ac5ci29.epf	1,238	11/28/2007	10:48:10
ac5ci29.gid	89,508	11/28/2007	11:16:52



File Name	Size/Type	Date	Time
ac5ci29.hif	8,210	11/28/2007	10:48:10
ac5ci29.hls	830	11/28/2007	10:48:10
ac5ci29.ref	77	11/28/2007	10:48:00
ac5ci29.rif	1,945	11/28/2007	10:48:10
ac5ci29.rls	1,168	11/28/2007	10:48:10
ac5ci29.suf	336,964	11/28/2007	11:07:20
ac5ci29.wlm	89	11/28/2007	10:48:10
ac5ci29.wrn	106,496	11/28/2007	11:07:20
ac5ckr5.aff	519	11/28/2007	11:17:12
ac5ckr5.ato	310	11/28/2007	11:17:12
ac5ckr5.els	2,170	11/28/2007	11:17:14
ac5ckr5.epf	1,188	11/28/2007	11:17:14
ac5ckr5.gid	89,199	11/28/2007	12:54:58
ac5ckr5.hif	8,210	11/28/2007	11:17:14
ac5ckr5.hls	830	11/28/2007	11:17:14
ac5ckr5.ref	77	11/28/2007	11:17:00
ac5ckr5.rif	1,945	11/28/2007	11:17:14
ac5ckr5.rls	1,168	11/28/2007	11:17:14
ac5ckr5.suf	330,645	11/28/2007	11:36:20
ac5ckr5.wlm	89	11/28/2007	11:17:14
ac5ckr5.wrn	106,496	11/28/2007	11:36:20
ac5cpu8.aff	554	11/28/2007	12:55:14
ac5cpu8.ato	316	11/28/2007	12:55:14
ac5cpu8.els	2,170	11/28/2007	12:55:14
ac5cpu8.epf	1,270	11/28/2007	12:55:14
ac5cpu8.gid	89,672	11/28/2007	13:19:22
ac5cpu8.hif	8,212	11/28/2007	12:55:14
ac5cpu8.hls	830	11/28/2007	12:55:14
ac5cpu8.ref	77	11/28/2007	12:55:02
ac5cpu8.rif	1,947	11/28/2007	12:55:14
ac5cpu8.rls	1,168	11/28/2007	12:55:14
ac5cpu8.suf	334,148	11/28/2007	13:15:46
ac5cpu8.wlm	89	11/28/2007	12:55:14
ac5cpu8.wrn	106,496	11/28/2007	13:15:46
ac5cru6.aff	553	11/28/2007	13:19:38
ac5cru6.ato	312	11/28/2007	13:19:38
ac5cru6.els	2,170	11/28/2007	13:19:40
ac5cru6.epf	1,259	11/28/2007	13:19:40
ac5cru6.gid	89,596	11/28/2007	13:58:48
ac5cru6.hif	8,212	11/28/2007	13:19:40
ac5cru6.hls	830	11/28/2007	13:19:40
ac5cru6.ref	77	11/28/2007	13:19:26
ac5cru6.rif	1,947	11/28/2007	13:19:40
ac5cru6.rls	1,168	11/28/2007	13:19:40
ac5cru6.suf	336,731	11/28/2007	13:38:56
ac5cru6.wlm	89	11/28/2007	13:19:40
ac5cru6.wrn	106,496	11/28/2007	13:38:56
ac5csr0.aff	645	11/28/2007	14:01:18
ac5csr0.ato	480	11/28/2007	14:01:18
ac5csr0.els	2,665	11/28/2007	14:01:20

File Name	Size/Type	Date	Time
ac5csr0.epf	2,310	11/28/2007	14:01:20
ac5csr0.gid	99,832	11/28/2007	14:22:20
ac5csr0.hif	15,774	11/28/2007	14:01:20
ac5csr0.hls	830	11/28/2007	14:01:20
ac5csr0.ref	77	11/28/2007	13:58:52
ac5csr0.rif	3,619	11/28/2007	14:01:20
ac5csr0.rls	1,246	11/28/2007	14:01:20
ac5csr0.suf	337,440	11/28/2007	14:21:40
ac5csr0.wlm	89	11/28/2007	14:01:20
ac5csr0.wrn	106,496	11/28/2007	14:21:40

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GENIIV2 FILES	DIR	9/18/2008	14:02:50

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ch5cco0.xls	6,247,936	12/14/2007	7:59:52
ch5ccs7.xls	7,049,728	12/14/2007	8:01:06
ch5ch3.xls	6,809,600	12/14/2007	8:01:58
ch5ci29.xls	6,831,104	12/14/2007	8:02:44
ch5ckr5.xls	6,809,600	12/14/2007	8:03:26
ch5cpu8.xls	6,810,624	12/14/2007	8:03:56
ch5cru6.xls	6,811,136	12/14/2007	8:04:30
ch5csr0.xls	6,826,496	12/14/2007	8:06:10
Chronic Summary.xls	61,952	9/25/2008	6:32:16
nodhdst.xls	570,880	12/14/2007	8:10:52
nodhdst2.xls	1,113,088	12/14/2007	8:09:24
nodhdst5.xls	2,531,328	12/14/2007	8:11:42
nodhdst6.xls	2,523,648	12/14/2007	8:13:32

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nodhdst.rif	62,423	10/4/2007	13:24:36
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ch5cco0.ato	312	10/4/2007	14:01:32
ch5cco0.els	1,985	10/4/2007	14:01:32
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OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT  
SPECIAL INSTRUCTION SHEET

1. QA: QA  
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2. Record Date 12/16/2008	3. Accession Number ATT to: ENG.20090212.0007
4. Author Name(s) Schultz, J	5. Authorization Organization BSC/PSCA
6. Title/Description Preclosure Consequence Analyses	
7. Document Number(s) 000-00C-MGR0-00900-000-00E-CACN002	8. Version Designator N/A
9. Document Type Media <i>DATA</i> <i>NO 2-24-09</i>	10. Medium 2 CD'S
11. Access Control Code PUB	
12. Traceability, Designator 000-00C-MGR0-00900-000-00E-CACN002	
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14. RPC Electronic Media Verification	
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Att 3 - CRCF ESD Table.doc	51,712	9/27/2007	12:43:06
Att 4 - RF ESD Table.doc	41,984	10/5/2007	10:27:06
Att 5 - Subsurface ESD Table.doc	32,256	9/27/2007	12:44:22
Att 6 - Intra-site ESD Table.doc	32,256	10/1/2007	14:59:06
Att 7 - End State Preliminary Information and Assumptions.doc	26,624	9/27/2007	12:44:46
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Normal Onsite - PWR.xls	1,198,080	7/17/2008	7:02:12
Normal Site Boundary - BWR.xls	1,224,192	3/8/2008	14:37:48
Normal Site Boundary - Max PWR.xls	1,230,336	3/8/2008	14:47:30
Normal Site Boundary - PWR.xls	1,234,432	7/17/2008	6:50:42
PWR Air General Environment 50%ile.xls	9,605,632	10/24/2007	11:30:12
PWR Air General Environment no HEPA.xls	9,572,864	10/24/2007	11:44:52
PWR Air General Environment.xls	9,570,304	10/24/2007	11:53:04

File Name	Size/Type	Date	Time
PWR Air Site Boundary 50%ile.xls	2,169,344	10/24/2007	12:11:12
PWR Air Site Boundary no HEPA.xls	2,312,704	10/24/2007	12:11:06
PWR Air Site Boundary.xls	2,310,144	10/24/2007	12:29:00
PWR Fire General Environment.xls	4,733,952	12/6/2007	6:03:20
PWR Fire Site Boundary.xls	1,093,120	12/6/2007	6:09:34
PWR Pool General Environment.xls	4,683,264	10/24/2007	12:28:50
PWR Pool Site Boundary.xls	1,102,848	10/24/2007	12:27:14
Representative BWR Air General Environment no HEPA.xls	9,502,208	10/25/2007	6:50:30
Representative BWR Air General Environment.xls	9,501,184	10/25/2007	7:21:12
Representative BWR Air Onsite 50%ile.xls	2,196,992	10/25/2007	7:39:56
Representative BWR Air Onsite.xls	2,196,992	10/25/2007	7:44:30
Representative BWR Air Site Boundary no HEPA.xls	2,266,112	1/16/2008	14:42:10
Representative BWR Air Site Boundary.xls	2,403,840	10/25/2007	8:02:22
Representative PWR Air General Environment no HEPA.xls	9,438,720	7/17/2008	9:03:48
Representative PWR Air General Environment.xls	9,435,648	7/17/2008	8:23:38
Representative PWR Air Onsite 50%ile.xls	2,217,984	7/17/2008	7:30:16
Representative PWR Air Onsite.xls	2,217,984	7/17/2008	7:41:38
Representative PWR Air Site Boundary no HEPA.xls	2,291,200	7/17/2008	9:14:14
Representative PWR Air Site Boundary.xls	2,288,640	7/17/2008	8:36:46
Summary of Doses.xls	221,184	7/17/2008	9:17:36

D:\AGENII VERIFICATION

TestCompare - YMP004475.txt	2,912	9/18/2007	13:02:48
TestCompare - YMP004480.txt	2,622	7/27/2007	9:04:28
TestCompare - YMP004489.txt	2,622	7/27/2007	8:59:50
TestCompare - YMP004490.txt	2,622	7/27/2007	9:06:34

D:\OTHER SPREADSHEETS

18 mos HEPA Source Term.xls	60,416	3/8/2008	15:06:34
DrumDrop3.xls	18,432	12/27/2007	7:58:22
HLW Significant Isotopes.xls	70,144	10/3/2007	9:21:20
LLW MAR and Source Term.xls	26,624	1/23/2008	8:06:12
SNF Dose Significant Isotopes.xls	124,416	1/17/2008	9:42:56

D:\RUNS

BWR	DIR	9/18/2008	14:07:29
HEPA	DIR	9/18/2008	14:07:16
HLW	DIR	9/18/2008	14:07:12
LLW	DIR	9/18/2008	14:06:59
NORMAL	DIR	9/18/2008	14:06:58
PWR	DIR	9/18/2008	14:06:28

File Name	Size/Type	Date	Time
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MAX	DIR	9/18/2008	14:07:45
POOL	DIR	9/18/2008	14:07:29
REP	DIR	9/18/2008	14:07:28
REP50%	DIR	9/18/2008	14:07:18
D:\RUNS\BWR\MAX			
b1dnlgrg.aff	6,612	3/8/2008	16:01:44
b1dnlgrg.ato	9,555	3/8/2008	16:01:44
b1dnlgrg.els	26,175	3/8/2008	16:02:14
b1dnlgrg.epf	70,784	3/8/2008	16:02:14
b1dnlgrg.gid	645,804	3/8/2008	16:02:34
b1dnlgrg.hif	522,796	3/8/2008	16:02:28
b1dnlgrg.hls	830	3/8/2008	16:02:28
b1dnlgrg.ref	77	3/8/2008	15:59:32
b1dnlgrg.rif	116,011	3/8/2008	16:02:24
b1dnlgrg.rls	5,484	3/8/2008	16:02:24
b1dnlgrg.wlm	89	3/8/2008	16:02:24
b1dnlgrg.wrn	0	3/8/2008	16:01:44
b1dnlgrs.aff	6,612	3/8/2008	16:05:10
b1dnlgrs.ato	9,539	3/8/2008	16:05:10
b1dnlgrs.els	26,175	3/8/2008	16:05:38
b1dnlgrs.epf	24,045	3/8/2008	16:05:38
b1dnlgrs.gid	645,809	3/8/2008	16:05:56
b1dnlgrs.hif	164,962	3/8/2008	16:05:52
b1dnlgrs.hls	830	3/8/2008	16:05:52
b1dnlgrs.ref	77	3/8/2008	16:04:10
b1dnlgrs.rif	41,353	3/8/2008	16:05:48
b1dnlgrs.rls	5,484	3/8/2008	16:05:48
b1dnlgrs.wlm	89	3/8/2008	16:05:48
b1dnlgrs.wrn	0	3/8/2008	16:05:10
b1onlgrg.aff	6,223	3/8/2008	16:08:50
b1onlgrg.ato	9,168	3/8/2008	16:08:50
b1onlgrg.els	25,385	3/8/2008	16:09:20
b1onlgrg.epf	68,701	3/8/2008	16:09:20
b1onlgrg.gid	634,692	3/8/2008	16:09:36
b1onlgrg.hif	507,664	3/8/2008	16:09:30
b1onlgrg.hls	830	3/8/2008	16:09:30
b1onlgrg.ref	77	3/8/2008	16:08:32
b1onlgrg.rif	112,659	3/8/2008	16:09:28
b1onlgrg.rls	5,390	3/8/2008	16:09:28
b1onlgrg.wlm	89	3/8/2008	16:09:28
b1onlgrg.wrn	0	3/8/2008	16:08:50
b1onlgrs.aff	6,223	3/8/2008	16:10:54
b1onlgrs.ato	9,164	3/8/2008	16:10:54
b1onlgrs.els	25,385	3/8/2008	16:11:20

File Name	Size/Type	Date	Time
b1onlgrs.epf	23,176	3/8/2008	16:11:20
b1onlgrs.gid	634,695	3/8/2008	16:11:54
b1onlgrs.hif	160,202	3/8/2008	16:11:30
b1onlgrs.hls	830	3/8/2008	16:11:30
b1onlgrs.ref	77	3/8/2008	16:10:36
b1onlgrs.rif	40,165	3/8/2008	16:11:28
b1onlgrs.rls	5,390	3/8/2008	16:11:28
b1onlgrs.wlm	89	3/8/2008	16:11:28
b1onlgrs.wrn	0	3/8/2008	16:10:54
bmdhlgrg.aff	6,591	8/30/2007	11:09:44
bmdhlgrg.ato	9,607	8/30/2007	11:09:46
bmdhlgrg.els	26,175	8/30/2007	11:10:06
bmdhlgrg.epf	70,932	8/30/2007	11:10:06
bmdhlgrg.gid	645,808	9/12/2007	12:57:08
bmdhlgrg.hif	522,796	9/12/2007	12:57:02
bmdhlgrg.hls	830	9/12/2007	12:57:02
bmdhlgrg.ref	77	8/30/2007	11:05:22
bmdhlgrg.rif	116,011	9/12/2007	12:57:00
bmdhlgrg.rls	5,484	9/12/2007	12:57:00
bmdhlgrg.wlm	267	9/12/2007	12:57:00
bmdhlgrg.wrn	0	8/30/2007	11:09:46
bmdhlgrs.aff	6,591	8/30/2007	11:20:28
bmdhlgrs.ato	9,604	8/30/2007	11:20:28
bmdhlgrs.els	26,175	8/30/2007	11:20:52
bmdhlgrs.epf	24,092	8/30/2007	11:20:52
bmdhlgrs.gid	645,813	9/12/2007	9:18:36
bmdhlgrs.hif	164,962	9/12/2007	9:18:22
bmdhlgrs.hls	830	9/12/2007	9:18:22
bmdhlgrs.ref	77	8/30/2007	11:19:26
bmdhlgrs.rif	41,353	9/12/2007	9:18:20
bmdhlgrs.rls	5,484	9/12/2007	9:18:20
bmdhlgrs.wlm	267	9/12/2007	9:18:20
bmdhlgrs.wrn	0	8/30/2007	11:20:28
bmdnlgrg.aff	6,651	9/24/2007	8:52:10
bmdnlgrg.ato	9,503	9/24/2007	8:52:10
bmdnlgrg.els	26,175	9/24/2007	8:52:30
bmdnlgrg.epf	70,465	9/24/2007	8:52:30
bmdnlgrg.gid	645,801	9/24/2007	8:52:46
bmdnlgrg.hif	522,796	9/24/2007	8:52:40
bmdnlgrg.hls	830	9/24/2007	8:52:40
bmdnlgrg.ref	77	9/14/2007	6:47:18
bmdnlgrg.rif	116,011	9/24/2007	8:52:38
bmdnlgrg.rls	5,484	9/24/2007	8:52:38
bmdnlgrg.wlm	178	9/24/2007	8:52:38
bmdnlgrg.wrn	0	9/24/2007	8:52:10
bmdnlgrs.aff	6,651	9/24/2007	8:57:14
bmdnlgrs.ato	9,517	9/24/2007	8:57:14
bmdnlgrs.els	26,175	9/24/2007	8:57:34
bmdnlgrs.epf	23,943	9/24/2007	8:57:34
bmdnlgrs.gid	645,806	9/24/2007	8:57:48

File Name	Size/Type	Date	Time
bmdnlgrs.hif	164,962	9/24/2007	8:57:42
bmdnlgrs.hls	830	9/24/2007	8:57:42
bmdnlgrs.ref	77	9/14/2007	6:58:52
bmdnlgrs.rif	41,353	9/24/2007	8:57:40
bmdnlgrs.rls	5,484	9/24/2007	8:57:40
bmdnlgrs.wlm	178	9/24/2007	8:57:40
bmdnlgrs.wm	0	9/24/2007	8:57:14
bmfnlgrg.aff	6,374	12/6/2007	5:44:44
bmfnlgrg.ato	9,630	12/6/2007	5:44:46
bmfnlgrg.els	26,175	12/6/2007	5:45:08
bmfnlgrg.epf	70,840	12/6/2007	5:45:08
bmfnlgrg.gid	645,601	12/6/2007	5:45:32
bmfnlgrg.hif	522,796	12/6/2007	5:45:20
bmfnlgrg.hls	830	12/6/2007	5:45:20
bmfnlgrg.ref	197	12/6/2007	5:40:40
bmfnlgrg.rif	116,011	12/6/2007	5:45:16
bmfnlgrg.rls	5,484	12/6/2007	5:45:16
bmfnlgrg.wlm	178	12/6/2007	5:45:16
bmfnlgrg.wm	0	12/6/2007	5:44:46
bmfnlgrs.aff	6,374	12/6/2007	5:54:10
bmfnlgrs.ato	9,618	12/6/2007	5:54:10
bmfnlgrs.els	26,175	12/6/2007	5:54:34
bmfnlgrs.epf	23,853	12/6/2007	5:54:34
bmfnlgrs.gid	645,603	12/6/2007	5:54:50
bmfnlgrs.hif	164,962	12/6/2007	5:54:42
bmfnlgrs.hls	830	12/6/2007	5:54:42
bmfnlgrs.ref	197	12/6/2007	5:51:20
bmfnlgrs.rif	41,353	12/6/2007	5:54:40
bmfnlgrs.rls	5,484	12/6/2007	5:54:40
bmfnlgrs.wlm	178	12/6/2007	5:54:40
bmfnlgrs.wm	0	12/6/2007	5:54:10
bmohlgrg.aff	6,236	12/5/2007	10:36:48
bmohlgrg.ato	9,260	12/5/2007	10:36:48
bmohlgrg.els	25,385	12/5/2007	10:37:08
bmohlgrg.epf	68,748	12/5/2007	10:37:08
bmohlgrg.gid	634,686	12/5/2007	10:37:26
bmohlgrg.hif	507,664	12/5/2007	10:37:16
bmohlgrg.hls	830	12/5/2007	10:37:16
bmohlgrg.ref	77	8/30/2007	11:11:44
bmohlgrg.rif	112,659	12/5/2007	10:37:14
bmohlgrg.rls	5,390	12/5/2007	10:37:14
bmohlgrg.wlm	356	12/5/2007	10:37:14
bmohlgrg.wm	0	12/5/2007	10:36:48
bmohlgrs.aff	6,236	12/5/2007	10:44:40
bmohlgrs.ato	9,231	12/5/2007	10:44:40
bmohlgrs.els	25,385	12/5/2007	10:45:00
bmohlgrs.epf	23,173	12/5/2007	10:45:00
bmohlgrs.gid	634,693	12/5/2007	10:45:18
bmohlgrs.hif	160,202	12/5/2007	10:45:10
bmohlgrs.hls	830	12/5/2007	10:45:10

File Name	Size/Type	Date	Time
bmohlgrs.ref	77	8/30/2007	11:22:00
bmohlgrs.rif	40,165	12/5/2007	10:45:08
bmohlgrs.rls	5,390	12/5/2007	10:45:08
bmohlgrs.wlm	445	12/5/2007	10:45:08
bmohlgrs.wm	0	12/5/2007	10:44:40
bmonlgrg.aff	6,244	12/5/2007	10:50:24
bmonlgrg.ato	9,145	12/5/2007	10:50:24
bmonlgrg.els	25,385	12/5/2007	10:50:50
bmonlgrg.epf	68,329	12/5/2007	10:50:50
bmonlgrg.gid	634,690	12/5/2007	10:51:10
bmonlgrg.hif	507,664	12/5/2007	10:50:58
bmonlgrg.hls	830	12/5/2007	10:50:58
bmonlgrg.ref	77	9/14/2007	6:50:44
bmonlgrg.rif	112,659	12/5/2007	10:50:56
bmonlgrg.rls	5,390	12/5/2007	10:50:56
bmonlgrg.wlm	356	12/5/2007	10:50:56
bmonlgrg.wm	0	12/5/2007	10:50:24
bmonlgrs.aff	6,244	12/5/2007	10:55:50
bmonlgrs.ato	9,125	12/5/2007	10:55:50
bmonlgrs.els	25,385	12/5/2007	10:56:12
bmonlgrs.epf	23,093	12/5/2007	10:56:12
bmonlgrs.gid	634,693	12/5/2007	10:56:28
bmonlgrs.hif	160,202	12/5/2007	10:56:22
bmonlgrs.hls	830	12/5/2007	10:56:22
bmonlgrs.ref	77	9/14/2007	7:00:56
bmonlgrs.rif	40,165	12/5/2007	10:56:20
bmonlgrs.rls	5,390	12/5/2007	10:56:20
bmonlgrs.wlm	445	12/5/2007	10:56:20
bmonlgrs.wm	0	12/5/2007	10:55:50

D:\RUNS\BWR\POOL

bmpnlgrg.aff	1,004	8/30/2007	9:04:56
bmpnlgrg.ato	1,004	8/30/2007	9:04:56
bmpnlgrg.els	3,897	8/30/2007	9:04:58
bmpnlgrg.epf	6,041	8/30/2007	9:04:58
bmpnlgrg.gid	61,724	9/12/2007	12:51:18
bmpnlgrg.hif	46,032	9/12/2007	12:51:12
bmpnlgrg.hls	830	9/12/2007	12:51:12
bmpnlgrg.ref	77	8/30/2007	9:03:30
bmpnlgrg.rif	10,317	9/12/2007	12:51:12
bmpnlgrg.rls	1,434	9/12/2007	12:51:12
bmpnlgrg.wlm	178	9/12/2007	12:51:12
bmpnlgrg.wm	0	8/30/2007	9:04:56
bmpnlgrs.aff	1,004	8/30/2007	9:07:24
bmpnlgrs.ato	1,003	8/30/2007	9:07:24
bmpnlgrs.els	3,897	8/30/2007	9:07:24
bmpnlgrs.epf	2,218	8/30/2007	9:07:24
bmpnlgrs.gid	61,729	9/12/2007	12:47:32

File Name	Size/Type	Date	Time
bmpnlgrs.hif	14,916	9/12/2007	12:47:26
bmpnlgrs.hls	830	9/12/2007	12:47:26
bmpnlgrs.ref	77	8/30/2007	9:06:08
bmpnlgrs.rif	3,825	9/12/2007	12:47:26
bmpnlgrs.rls	1,434	9/12/2007	12:47:26
bmpnlgrs.wlm	267	9/12/2007	12:47:26
bmpnlgrs.wm	0	8/30/2007	9:07:24

DARUNSBWRREP

badhlgrg.aff	6,601	9/24/2007	9:06:42
badhlgrg.ato	9,629	9/24/2007	9:06:42
badhlgrg.els	26,175	9/24/2007	9:07:12
badhlgrg.epf	71,023	9/24/2007	9:07:12
badhlgrg.gid	645,778	9/24/2007	9:07:30
badhlgrg.hif	522,796	9/24/2007	9:07:24
badhlgrg.hls	830	9/24/2007	9:07:24
badhlgrg.ref	77	9/7/2007	9:46:28
badhlgrg.rif	116,011	9/24/2007	9:07:22
badhlgrg.rls	5,484	9/24/2007	9:07:22
badhlgrg.wlm	267	9/24/2007	9:07:22
badhlgrg.wm	0	9/24/2007	9:06:42
badhlgro.aff	6,601	9/24/2007	9:09:34
badhlgro.ato	8,966	9/24/2007	9:09:34
badhlgro.els	26,175	9/24/2007	9:09:58
badhlgro.epf	23,103	9/24/2007	9:09:58
badhlgro.gid	645,783	10/18/2007	8:58:52
badhlgro.hif	164,962	10/18/2007	8:58:46
badhlgro.hls	830	10/18/2007	8:58:46
badhlgro.ref	77	9/10/2007	6:45:44
badhlgro.rif	41,353	10/18/2007	8:58:44
badhlgro.rls	5,484	10/18/2007	8:58:44
badhlgro.wlm	445	10/18/2007	8:58:44
badhlgro.wm	0	9/24/2007	9:09:34
badhlgrs.aff	6,601	9/24/2007	9:11:42
badhlgrs.ato	9,621	9/24/2007	9:11:42
badhlgrs.els	26,175	9/24/2007	9:12:02
badhlgrs.epf	24,116	9/24/2007	9:12:02
badhlgrs.gid	645,783	9/24/2007	9:12:20
badhlgrs.hif	164,962	9/24/2007	9:12:14
badhlgrs.hls	830	9/24/2007	9:12:14
badhlgrs.ref	77	9/10/2007	6:29:24
badhlgrs.rif	41,353	9/24/2007	9:12:12
badhlgrs.rls	5,484	9/24/2007	9:12:12
badhlgrs.wlm	356	9/24/2007	9:12:12
badhlgrs.wm	0	9/24/2007	9:11:42
badnlgrg.aff	6,631	9/24/2007	9:15:12
badnlgrg.ato	9,575	9/24/2007	9:15:12
badnlgrg.els	26,175	9/24/2007	9:15:36

File Name	Size/Type	Date	Time
badnlgrg.epf	70,826	9/24/2007	9:15:36
badnlgrg.gid	645,785	9/24/2007	9:15:52
badnlgrg.hif	522,796	9/24/2007	9:15:46
badnlgrg.hls	830	9/24/2007	9:15:46
badnlgrg.ref	77	9/14/2007	9:30:08
badnlgrg.rif	116,011	9/24/2007	9:15:44
badnlgrg.rls	5,484	9/24/2007	9:15:44
badnlgrg.wlm	178	9/24/2007	9:15:44
badnlgrg.wm	0	9/24/2007	9:15:12
badnlgrs.aff	6,631	9/24/2007	9:21:18
badnlgrs.ato	9,565	9/24/2007	9:21:18
badnlgrs.els	26,175	9/24/2007	9:21:40
badnlgrs.epf	24,058	9/24/2007	9:21:40
badnlgrs.gid	645,790	9/24/2007	9:21:54
badnlgrs.hif	164,962	9/24/2007	9:21:48
badnlgrs.hls	830	9/24/2007	9:21:48
badnlgrs.ref	77	9/14/2007	9:41:22
badnlgrs.rif	41,353	9/24/2007	9:21:46
badnlgrs.rls	5,484	9/24/2007	9:21:46
badnlgrs.wlm	178	9/24/2007	9:21:46
badnlgrs.wm	0	9/24/2007	9:21:18
baohlgrs.els	25,385	9/10/2007	6:38:46
baohlgrg.aff	6,238	9/7/2007	10:11:48
baohlgrg.ato	9,276	9/7/2007	10:11:48
baohlgrg.els	25,385	9/7/2007	10:12:10
baohlgrg.epf	68,786	9/7/2007	10:12:10
baohlgrg.gid	634,657	10/2/2007	13:31:10
baohlgrg.hif	507,664	10/2/2007	13:31:02
baohlgrg.hls	830	10/2/2007	13:31:02
baohlgrg.ref	77	9/7/2007	10:05:08
baohlgrg.rif	112,659	10/2/2007	13:31:00
baohlgrg.rls	5,390	10/2/2007	13:31:00
baohlgrg.wlm	178	10/2/2007	13:31:00
baohlgrg.wm	0	9/7/2007	10:11:48
baohlgro.aff	6,236	9/10/2007	6:48:20
baohlgro.ato	8,627	9/10/2007	6:48:20
baohlgro.els	25,385	9/10/2007	6:48:40
baohlgro.epf	22,211	9/10/2007	6:48:40
baohlgro.gid	634,660	10/2/2007	13:39:18
baohlgro.hif	160,202	10/2/2007	13:39:12
baohlgro.hls	830	10/2/2007	13:39:12
baohlgro.ref	77	9/10/2007	6:47:48
baohlgro.rif	40,165	10/2/2007	13:39:12
baohlgro.rls	5,390	10/2/2007	13:39:12
baohlgro.wlm	267	10/2/2007	13:39:12
baohlgro.wm	0	9/10/2007	6:48:20
baohlgrs.aff	6,236	9/10/2007	6:38:26
baohlgrs.ato	9,259	9/10/2007	6:38:26
baohlgrs.epf	23,171	9/10/2007	6:38:46
baohlgrs.gid	634,660	10/3/2007	7:10:00



File Name	Size/Type	Date	Time
baohlgrs.hif	160,202	10/3/2007	7:09:52
baohlgrs.hls	830	10/3/2007	7:09:52
baohlgrs.ref	77	9/10/2007	6:33:26
baohlgrs.rif	40,165	10/3/2007	7:09:50
baohlgrs.rls	5,390	10/3/2007	7:09:50
baohlgrs.wlm	534	10/3/2007	7:09:50
baohlgrs.wm	0	9/10/2007	6:38:26
baonlgrg.aff	6,236	9/24/2007	9:18:18
baonlgrg.ato	9,167	9/24/2007	9:18:18
baonlgrg.els	25,385	9/24/2007	9:18:44
baonlgrg.epf	68,583	9/24/2007	9:18:44
baonlgrg.gid	634,657	10/2/2007	13:48:12
baonlgrg.hif	507,664	10/2/2007	13:45:28
baonlgrg.hls	830	10/2/2007	13:45:28
baonlgrg.ref	77	9/14/2007	9:35:30
baonlgrg.rif	112,659	10/2/2007	13:45:28
baonlgrg.rls	5,390	10/2/2007	13:45:28
baonlgrg.wlm	267	10/2/2007	13:45:26
baonlgrg.wm	0	9/24/2007	9:18:18
baonlgrs.aff	6,236	9/24/2007	9:23:42
baonlgrs.ato	9,139	9/24/2007	9:23:42
baonlgrs.els	25,385	9/24/2007	9:24:08
baonlgrs.epf	23,152	9/24/2007	9:24:08
baonlgrs.gid	634,660	10/3/2007	7:12:10
baonlgrs.hif	160,202	10/3/2007	7:12:04
baonlgrs.hls	830	10/3/2007	7:12:04
baonlgrs.ref	77	9/14/2007	9:45:58
baonlgrs.rif	40,165	10/3/2007	7:12:02
baonlgrs.rls	5,390	10/3/2007	7:12:02
baonlgrs.wlm	356	10/3/2007	7:12:02
baonlgrs.wm	0	9/24/2007	9:23:42

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badhlgro.aff	6,604	9/17/2007	11:39:18
badhlgro.ato	8,975	9/17/2007	11:39:18
badhlgro.els	26,175	9/17/2007	11:39:42
badhlgro.epf	23,113	9/17/2007	11:39:42
badhlgro.gid	645,787	10/18/2007	9:02:02
badhlgro.hif	164,962	10/18/2007	9:01:54
badhlgro.hls	830	10/18/2007	9:01:54
badhlgro.ref	77	9/17/2007	11:39:02
badhlgro.rif	41,353	10/18/2007	9:01:52
badhlgro.rls	5,484	10/18/2007	9:01:52
badhlgro.wlm	178	10/18/2007	9:01:52
badhlgro.wm	0	9/17/2007	11:39:18
baohlgro.aff	6,239	9/17/2007	11:40:54
baohlgro.ato	8,633	9/17/2007	11:40:56
baohlgro.els	25,385	9/17/2007	11:41:16

File Name	Size/Type	Date	Time
baohlgro.epf	22,211	9/17/2007	11:41:16
baohlgro.gid	634,662	10/2/2007	13:58:52
baohlgro.hif	160,202	10/2/2007	13:58:40
baohlgro.hls	830	10/2/2007	13:58:40
baohlgro.ref	77	9/17/2007	11:40:40
baohlgro.rif	40,165	10/2/2007	13:58:38
baohlgro.rls	5,390	10/2/2007	13:58:38
baohlgro.wlm	178	10/2/2007	13:58:38
baohlgro.wm	0	9/17/2007	11:40:56

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hbsndgrg.aff	6,198	3/8/2008	15:14:40
hbsndgrg.ato	8,813	3/8/2008	15:14:40
hbsndgrg.els	24,448	3/8/2008	15:15:06
hbsndgrg.epf	65,787	3/8/2008	15:15:06
hbsndgrg.gid	614,848	3/8/2008	15:15:24
hbsndgrg.hif	484,976	3/8/2008	15:15:18
hbsndgrg.hls	830	3/8/2008	15:15:18
hbsndgrg.ref	197	9/18/2007	12:05:48
hbsndgrg.rif	107,641	3/8/2008	15:15:14
hbsndgrg.rls	5,218	3/8/2008	15:15:14
hbsndgrg.wlm	623	3/8/2008	15:15:14
hbsndgrg.wm	0	3/8/2008	15:14:40
hbsndgrs.aff	6,198	3/8/2008	15:17:02
hbsndgrs.ato	8,798	3/8/2008	15:17:02
hbsndgrs.els	24,448	3/8/2008	15:17:26
hbsndgrs.epf	22,318	3/8/2008	15:17:26
hbsndgrs.gid	614,853	3/8/2008	15:17:44
hbsndgrs.hif	153,072	3/8/2008	15:17:38
hbsndgrs.hls	830	3/8/2008	15:17:38
hbsndgrs.ref	197	10/19/2007	9:08:28
hbsndgrs.rif	38,393	3/8/2008	15:17:36
hbsndgrs.rls	5,218	3/8/2008	15:17:36
hbsndgrs.wlm	267	3/8/2008	15:17:36
hbsndgrs.wm	0	3/8/2008	15:17:02
hpsndgrg.aff	6,536	3/8/2008	15:19:40
hpsndgrg.ato	9,081	3/8/2008	15:19:42
hpsndgrg.els	25,320	3/8/2008	15:20:10
hpsndgrg.epf	69,833	3/8/2008	15:20:10
hpsndgrg.gid	666,824	3/8/2008	15:20:34
hpsndgrg.hif	515,246	3/8/2008	15:20:22
hpsndgrg.hls	830	3/8/2008	15:20:22
hpsndgrg.ref	77	8/30/2007	6:39:34
hpsndgrg.rif	114,351	3/8/2008	15:20:18
hpsndgrg.rls	5,535	3/8/2008	15:20:18
hpsndgrg.wlm	356	3/8/2008	15:20:18
hpsndgrg.wm	0	3/8/2008	15:19:42
hpsndgrs.aff	6,536	3/8/2008	15:22:08

File Name	Size/Type	Date	Time
hpsndgrs.ato	9,065	3/8/2008	15:22:08
hpsndgrs.els	25,320	3/8/2008	15:22:38
hpsndgrs.epf	23,670	3/8/2008	15:22:38
hpsndgrs.gid	666,829	3/8/2008	15:23:00
hpsndgrs.hif	162,598	3/8/2008	15:22:54
hpsndgrs.hls	830	3/8/2008	15:22:54
hpsndgrs.ref	77	8/30/2007	6:41:10
hpsndgrs.rif	40,775	3/8/2008	15:22:52
hpsndgrs.rls	5,535	3/8/2008	15:22:52
hpsndgrs.wlm	534	3/8/2008	15:22:52
hpsndgrs.wm	0	3/8/2008	15:22:08

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hbsndgrg.aff	6,203	10/19/2007	9:06:06
hbsndgrg.ato	8,804	10/19/2007	9:06:06
hbsndgrg.els	24,448	10/19/2007	9:06:26
hbsndgrg.epf	65,806	10/19/2007	9:06:26
hbsndgrg.gid	614,848	10/19/2007	9:06:40
hbsndgrg.hif	484,976	10/19/2007	9:06:36
hbsndgrg.hls	830	10/19/2007	9:06:36
hbsndgrg.rif	107,641	10/19/2007	9:06:34
hbsndgrg.rls	5,218	10/19/2007	9:06:34
hbsndgrg.wlm	534	10/19/2007	9:06:34
hbsndgrg.wm	0	10/19/2007	9:06:06
hbsndgrs.aff	6,203	10/19/2007	9:09:44
hbsndgrs.ato	8,789	10/19/2007	9:09:44
hbsndgrs.els	24,448	10/19/2007	9:10:04
hbsndgrs.epf	22,321	10/19/2007	9:10:04
hbsndgrs.gid	614,853	10/19/2007	9:10:22
hbsndgrs.hif	153,072	10/19/2007	9:10:14
hbsndgrs.hls	830	10/19/2007	9:10:14
hbsndgrs.ref	197	10/19/2007	9:08:28
hbsndgrs.rif	38,393	10/19/2007	9:10:12
hbsndgrs.rls	5,218	10/19/2007	9:10:12
hbsndgrs.wlm	267	10/19/2007	9:10:12
hbsndgrs.wm	0	10/19/2007	9:09:44
hhdhlgrg.aff	5,869	8/29/2007	15:56:38
hhdhlgrg.ato	8,498	8/29/2007	15:56:38
hhdhlgrg.els	24,506	8/29/2007	15:56:58
hhdhlgrg.epf	63,598	8/29/2007	15:56:58
hhdhlgrg.gid	622,942	9/12/2007	13:17:46
hhdhlgrg.hif	462,264	9/12/2007	13:17:42
hhdhlgrg.hls	830	9/12/2007	13:17:42
hhdhlgrg.ref	77	8/29/2007	15:28:26
hhdhlgrg.rif	102,599	9/12/2007	13:17:40
hhdhlgrg.rls	5,156	9/12/2007	13:17:40
hhdhlgrg.wlm	267	9/12/2007	13:17:40
hhdhlgrg.wm	0	8/29/2007	15:56:38

File Name	Size/Type	Date	Time
hhdhlgrs.aff	5,869	8/29/2007	15:58:42
hhdhlgrs.ato	8,480	8/29/2007	15:58:42
hhdhlgrs.els	24,506	8/29/2007	15:58:58
hhdhlgrs.epf	21,479	8/29/2007	15:58:58
hhdhlgrs.gid	622,947	9/12/2007	13:20:48
hhdhlgrs.hif	145,918	9/12/2007	13:20:42
hhdhlgrs.hls	830	9/12/2007	13:20:42
hhdhlgrs.ref	77	8/29/2007	15:30:32
hhdhlgrs.rif	36,597	9/12/2007	13:20:40
hhdhlgrs.rls	5,156	9/12/2007	13:20:40
hhdhlgrs.wlm	534	9/12/2007	13:20:40
hhdhlgrs.wrn	0	8/29/2007	15:58:42
hidhlgrg.aff	6,148	9/11/2007	13:52:28
hidhlgrg.ato	8,910	9/11/2007	13:52:28
hidhlgrg.els	25,705	9/11/2007	13:52:54
hidhlgrg.epf	66,945	9/11/2007	13:52:54
hidhlgrg.gid	657,994	9/12/2007	13:23:04
hidhlgrg.hif	484,960	9/12/2007	13:22:44
hidhlgrg.hls	830	9/12/2007	13:22:44
hidhlgrg.ref	77	8/29/2007	15:39:44
hidhlgrg.rif	107,625	9/12/2007	13:22:42
hidhlgrg.rls	5,383	9/12/2007	13:22:42
hidhlgrg.wlm	534	9/12/2007	13:22:42
hidhlgrg.wrn	0	9/11/2007	13:52:28
hidhlgrs.aff	6,148	9/11/2007	13:55:12
hidhlgrs.ato	8,898	9/11/2007	13:55:12
hidhlgrs.els	25,705	9/11/2007	13:55:36
hidhlgrs.epf	22,473	9/11/2007	13:55:36
hidhlgrs.gid	657,999	9/12/2007	13:25:32
hidhlgrs.hif	153,056	9/12/2007	13:25:24
hidhlgrs.hls	830	9/12/2007	13:25:24
hidhlgrs.ref	77	8/29/2007	15:42:02
hidhlgrs.rif	38,377	9/12/2007	13:25:24
hidhlgrs.rls	5,383	9/12/2007	13:25:24
hidhlgrs.wlm	445	9/12/2007	13:25:24
hidhlgrs.wrn	0	9/11/2007	13:55:12
hpsndgrg.aff	6,531	10/19/2007	9:11:54
hpsndgrg.ato	9,072	10/19/2007	9:11:54
hpsndgrg.els	25,320	10/19/2007	9:12:18
hpsndgrg.epf	69,857	10/19/2007	9:12:18
hpsndgrg.gid	666,824	10/19/2007	9:14:18
hpsndgrg.hif	515,246	10/19/2007	9:12:26
hpsndgrg.hls	830	10/19/2007	9:12:26
hpsndgrg.rif	114,351	10/19/2007	9:12:26
hpsndgrg.rls	5,535	10/19/2007	9:12:26
hpsndgrg.wlm	356	10/19/2007	9:12:26
hpsndgrg.wrn	0	10/19/2007	9:11:54
hpsndgrs.aff	6,531	10/19/2007	9:19:52
hpsndgrs.ato	9,056	10/19/2007	9:19:52
hpsndgrs.els	25,320	10/19/2007	9:20:16

File Name	Size/Type	Date	Time
hpsndgrs.epf	23,674	10/19/2007	9:20:16
hpsndgrs.gid	666,829	10/19/2007	9:20:38
hpsndgrs.hif	162,598	10/19/2007	9:20:26
hpsndgrs.hls	830	10/19/2007	9:20:26
hpsndgrs.rif	40,775	10/19/2007	9:20:24
hpsndgrs.rls	5,535	10/19/2007	9:20:24
hpsndgrs.wlm	534	10/19/2007	9:20:24
hpsndgrs.wm	0	10/19/2007	9:19:52
hsdhlgrg.aff	6,673	8/29/2007	15:47:12
hsdhlgrg.ato	9,782	8/29/2007	15:47:12
hsdhlgrg.els	28,144	8/29/2007	15:47:38
hsdhlgrg.epf	72,449	8/29/2007	15:47:38
hsdhlgrg.gid	721,989	9/12/2007	13:27:40
hsdhlgrg.hif	530,378	9/12/2007	13:27:30
hsdhlgrg.hls	830	9/12/2007	13:27:30
hsdhlgrg.ref	77	8/29/2007	15:45:48
hsdhlgrg.rif	117,703	9/12/2007	13:27:30
hsdhlgrg.rls	5,794	9/12/2007	13:27:30
hsdhlgrg.wlm	178	9/12/2007	13:27:28
hsdhlgrg.wm	0	8/29/2007	15:47:12
hsdhlgrs.aff	6,673	8/29/2007	15:53:16
hsdhlgrs.ato	9,760	8/29/2007	15:53:18
hsdhlgrs.els	28,144	8/29/2007	15:53:42
hsdhlgrs.epf	24,571	8/29/2007	15:53:42
hsdhlgrs.gid	721,994	9/12/2007	13:29:48
hsdhlgrs.hif	167,358	9/12/2007	13:29:38
hsdhlgrs.hls	830	9/12/2007	13:29:38
hsdhlgrs.ref	77	8/29/2007	15:52:14
hsdhlgrs.rif	41,963	9/12/2007	13:29:38
hsdhlgrs.rls	5,794	9/12/2007	13:29:38
hsdhlgrs.wlm	356	9/12/2007	13:29:38
hsdhlgrs.wm	0	8/29/2007	15:53:18
hwdhlgrg.aff	7,109	9/11/2007	13:30:46
hwdhlgrg.ato	10,511	9/11/2007	13:30:46
hwdhlgrg.els	30,033	9/11/2007	13:31:22
hwdhlgrg.epf	77,972	9/11/2007	13:31:22
hwdhlgrg.gid	763,007	9/12/2007	13:31:40
hwdhlgrg.hif	568,204	9/12/2007	13:31:30
hwdhlgrg.hls	830	9/12/2007	13:31:30
hwdhlgrg.ref	77	8/29/2007	15:23:38
hwdhlgrg.rif	126,079	9/12/2007	13:31:28
hwdhlgrg.rls	6,084	9/12/2007	13:31:28
hwdhlgrg.wlm	356	9/12/2007	13:31:28
hwdhlgrg.wm	0	9/11/2007	13:30:46
hwdhlgrs.aff	7,109	9/11/2007	13:34:20
hwdhlgrs.ato	10,476	9/11/2007	13:34:20
hwdhlgrs.els	30,033	9/11/2007	13:34:54
hwdhlgrs.epf	26,309	9/11/2007	13:34:54
hwdhlgrs.gid	763,012	9/12/2007	13:34:04
hwdhlgrs.hif	179,254	9/12/2007	13:33:48

File Name	Size/Type	Date	Time
hwdhlgrs.hls	830	9/12/2007	13:33:48
hwdhlgrs.ref	77	8/29/2007	15:07:24
hwdhlgrs.rif	44,929	9/12/2007	13:33:48
hwdhlgrs.rls	6,084	9/12/2007	13:33:48
hwdhlgrs.wlm	534	9/12/2007	13:33:46
hwdhlgrs.wrn	0	9/11/2007	13:34:20

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lwfndgrg.aff	930	8/30/2007	5:52:38
lwfndgrg.ato	985	8/30/2007	5:52:38
lwfndgrg.els	3,750	8/30/2007	5:52:40
lwfndgrg.epf	5,281	8/30/2007	5:52:40
lwfndgrg.gid	53,188	9/12/2007	13:36:22
lwfndgrg.hif	38,478	9/12/2007	13:36:18
lwfndgrg.hls	830	9/12/2007	13:36:18
lwfndgrg.ref	77	8/30/2007	5:52:28
lwfndgrg.rif	8,653	9/12/2007	13:36:18
lwfndgrg.rls	1,356	9/12/2007	13:36:18
lwfndgrg.wlm	178	9/12/2007	13:36:18
lwfndgrg.wrn	0	8/30/2007	5:52:38
lwfndgrs.aff	930	8/30/2007	5:57:12
lwfndgrs.ato	996	8/30/2007	5:57:12
lwfndgrs.els	3,750	8/30/2007	5:57:12
lwfndgrs.epf	1,956	8/30/2007	5:57:12
lwfndgrs.gid	53,193	9/12/2007	13:37:52
lwfndgrs.hif	12,548	9/12/2007	13:37:50
lwfndgrs.hls	830	9/12/2007	13:37:50
lwfndgrs.ref	77	8/30/2007	5:56:58
lwfndgrs.rif	3,243	9/12/2007	13:37:50
lwfndgrs.rls	1,356	9/12/2007	13:37:50
lwfndgrs.wlm	267	9/12/2007	13:37:50
lwfndgrs.wrn	0	8/30/2007	5:57:12
lwsndgrg.aff	975	12/27/2007	13:47:42
lwsndgrg.ato	1,012	12/27/2007	13:47:42
lwsndgrg.els	3,750	12/27/2007	13:47:44
lwsndgrg.epf	5,132	12/27/2007	13:47:44
lwsndgrg.gid	53,234	12/27/2007	13:48:00
lwsndgrg.hif	38,478	12/27/2007	13:47:44
lwsndgrg.hls	830	12/27/2007	13:47:44
lwsndgrg.ref	77	8/30/2007	6:18:02
lwsndgrg.rif	8,653	12/27/2007	13:47:44
lwsndgrg.rls	1,356	12/27/2007	13:47:44
lwsndgrg.wlm	267	12/27/2007	13:47:44
lwsndgrg.wrn	0	12/27/2007	13:47:42
lwsndgrs.aff	975	12/27/2007	13:53:52
lwsndgrs.ato	1,020	12/27/2007	13:53:52
lwsndgrs.els	3,750	12/27/2007	13:53:52
lwsndgrs.epf	1,919	12/27/2007	13:53:52

File Name	Size/Type	Date	Time
lwsndgrs.gid	53,238	12/27/2007	13:53:58
lwsndgrs.hif	12,548	12/27/2007	13:53:54
lwsndgrs.hls	830	12/27/2007	13:53:54
lwsndgrs.ref	77	8/30/2007	6:25:20
lwsndgrs.rif	3,243	12/27/2007	13:53:52
lwsndgrs.rls	1,356	12/27/2007	13:53:52
lwsndgrs.wlm	356	12/27/2007	13:53:52
lwsndgrs.wrn	0	12/27/2007	13:53:52

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cmdhdape.aff	611	10/19/2007	8:24:16
cmdhdape.ato	472	10/19/2007	8:24:16
cmdhdape.els	2,378	10/19/2007	8:24:16
cmdhdape.epf	600	10/19/2007	8:24:16
cmdhdape.gid	36,575	10/19/2007	8:24:26
cmdhdape.hif	3,050	10/19/2007	8:24:18
cmdhdape.hls	830	10/19/2007	8:24:18
cmdhdape.ref	77	8/29/2007	7:48:36
cmdhdape.rif	889	10/19/2007	8:24:16
cmdhdape.rls	1,215	10/19/2007	8:24:16
cmdhdape.wlm	267	10/19/2007	8:24:16
cmdhdape.wrn	0	10/19/2007	8:24:16
cmdhdapg.aff	611	10/19/2007	8:29:56
cmdhdapg.ato	494	10/19/2007	8:29:56
cmdhdapg.els	2,378	10/19/2007	8:29:56
cmdhdapg.epf	1,362	10/19/2007	8:29:56
cmdhdapg.gid	36,574	10/19/2007	8:30:02
cmdhdapg.hif	8,236	10/19/2007	8:29:58
cmdhdapg.hls	830	10/19/2007	8:29:58
cmdhdapg.ref	197	8/29/2007	7:42:42
cmdhdapg.rif	1,971	10/19/2007	8:29:58
cmdhdapg.rls	1,215	10/19/2007	8:29:58
cmdhdapg.wlm	267	10/19/2007	8:29:58
cmdhdapg.wrn	0	10/19/2007	8:29:56
cmdhdapo.aff	611	10/19/2007	8:32:16
cmdhdapo.ato	465	10/19/2007	8:32:16
cmdhdapo.els	2,378	10/19/2007	8:32:16
cmdhdapo.epf	594	10/19/2007	8:32:16
cmdhdapo.gid	36,575	10/19/2007	8:32:20
cmdhdapo.hif	3,050	10/19/2007	8:32:16
cmdhdapo.hls	830	10/19/2007	8:32:16
cmdhdapo.ref	197	8/29/2007	7:45:52
cmdhdapo.rif	889	10/19/2007	8:32:16
cmdhdapo.rls	1,215	10/19/2007	8:32:16
cmdhdapo.wlm	267	10/19/2007	8:32:16
cmdhdapo.wrn	0	10/19/2007	8:32:16
cmdhdaps.aff	611	10/19/2007	8:34:36
cmdhdaps.ato	492	10/19/2007	8:34:36

File Name	Size/Type	Date	Time
cmdhdaps.els	2,378	10/19/2007	8:34:38
cmdhdaps.epf	624	10/19/2007	8:34:38
cmdhdaps.gid	36,575	10/19/2007	8:34:42
cmdhdaps.hif	3,050	10/19/2007	8:34:38
cmdhdaps.hls	830	10/19/2007	8:34:38
cmdhdaps.ref	77	8/29/2007	7:48:56
cmdhdaps.rif	889	10/19/2007	8:34:38
cmdhdaps.rls	1,215	10/19/2007	8:34:38
cmdhdaps.wlm	267	10/19/2007	8:34:38
cmdhdaps.wrn	0	10/19/2007	8:34:36
nbhdhgre.aff	4,557	3/8/2008	14:13:36
nbhdhgre.ato	9,353	3/8/2008	14:13:38
nbhdhgre.els	25,890	3/8/2008	14:14:08
nbhdhgre.epf	12,333	3/8/2008	14:14:08
nbhdhgre.gid	643,229	3/8/2008	14:14:20
nbhdhgre.hif	83,680	3/8/2008	14:14:16
nbhdhgre.hls	830	3/8/2008	14:14:16
nbhdhgre.ref	77	9/20/2007	8:44:12
nbhdhgre.rif	21,688	3/8/2008	14:14:14
nbhdhgre.rls	5,484	3/8/2008	14:14:14
nbhdhgre.wlm	356	3/8/2008	14:14:14
nbhdhgre.wrn	0	3/8/2008	14:13:38
nbhdhgrg.aff	4,557	3/8/2008	14:31:20
nbhdhgrg.ato	9,880	3/8/2008	14:31:20
nbhdhgrg.els	25,890	3/8/2008	14:31:54
nbhdhgrg.epf	38,929	3/8/2008	14:31:54
nbhdhgrg.gid	643,224	3/8/2008	14:32:04
nbhdhgrg.hif	262,597	3/8/2008	14:32:00
nbhdhgrg.hls	830	3/8/2008	14:32:00
nbhdhgrg.ref	77	9/20/2007	7:59:52
nbhdhgrg.rif	59,017	3/8/2008	14:31:58
nbhdhgrg.rls	5,484	3/8/2008	14:31:58
nbhdhgrg.wlm	267	3/8/2008	14:31:58
nbhdhgrg.wrn	0	3/8/2008	14:31:20
nbhdhgro.aff	4,541	3/8/2008	14:33:34
nbhdhgro.ato	9,248	3/8/2008	14:33:34
nbhdhgro.els	25,890	3/8/2008	14:34:08
nbhdhgro.epf	12,319	3/8/2008	14:34:08
nbhdhgro.gid	643,229	3/8/2008	14:34:20
nbhdhgro.hif	83,680	3/8/2008	14:34:16
nbhdhgro.hls	830	3/8/2008	14:34:16
nbhdhgro.ref	77	9/20/2007	8:46:44
nbhdhgro.rif	21,688	3/8/2008	14:34:14
nbhdhgro.rls	5,484	3/8/2008	14:34:14
nbhdhgro.wlm	445	3/8/2008	14:34:14
nbhdhgro.wrn	0	3/8/2008	14:33:34
nbhdhdgrs.aff	4,557	3/8/2008	14:36:04
nbhdhdgrs.ato	9,885	3/8/2008	14:36:04
nbhdhdgrs.els	25,890	3/8/2008	14:36:40
nbhdhdgrs.epf	13,301	3/8/2008	14:36:40



File Name	Size/Type	Date	Time
nbdhdgrs.gid	643,229	3/8/2008	14:37:02
nbdhdgrs.hif	83,680	3/8/2008	14:36:46
nbdhdgrs.hls	830	3/8/2008	14:36:46
nbdhdgrs.ref	77	9/20/2007	8:37:44
nbdhdgrs.rif	21,688	3/8/2008	14:36:44
nbdhdgrs.rls	5,484	3/8/2008	14:36:44
nbdhdgrs.wlm	356	3/8/2008	14:36:44
nbdhdgrs.wrm	0	3/8/2008	14:36:04
nmdhdgre.aff	5,915	3/8/2008	14:39:10
nmdhdgre.ato	9,622	3/8/2008	14:39:10
nmdhdgre.els	26,760	3/8/2008	14:39:42
nmdhdgre.epf	13,023	3/8/2008	14:39:42
nmdhdgre.gid	696,129	3/8/2008	14:39:54
nmdhdgre.hif	88,494	3/8/2008	14:39:50
nmdhdgre.hls	830	3/8/2008	14:39:50
nmdhdgre.ref	77	9/7/2007	9:14:32
nmdhdgre.rif	22,930	3/8/2008	14:39:48
nmdhdgre.rls	5,801	3/8/2008	14:39:48
nmdhdgre.wlm	979	3/8/2008	14:39:48
nmdhdgre.wrm	0	3/8/2008	14:39:10
nmdhdgrg.aff	5,915	3/8/2008	14:41:32
nmdhdgrg.ato	10,157	3/8/2008	14:41:32
nmdhdgrg.els	26,760	3/8/2008	14:42:10
nmdhdgrg.epf	41,088	3/8/2008	14:42:10
nmdhdgrg.gid	696,122	3/8/2008	14:42:20
nmdhdgrg.hif	277,783	3/8/2008	14:42:16
nmdhdgrg.hls	830	3/8/2008	14:42:16
nmdhdgrg.ref	77	9/7/2007	8:15:48
nmdhdgrg.rif	62,423	3/8/2008	14:42:14
nmdhdgrg.rls	5,801	3/8/2008	14:42:14
nmdhdgrg.wlm	534	3/8/2008	14:42:14
nmdhdgrg.wrm	0	3/8/2008	14:41:32
nmdhdgro.aff	5,915	3/8/2008	14:43:56
nmdhdgro.ato	9,501	3/8/2008	14:43:56
nmdhdgro.els	26,760	3/8/2008	14:44:28
nmdhdgro.epf	12,981	3/8/2008	14:44:28
nmdhdgro.gid	696,127	3/8/2008	14:44:56
nmdhdgro.hif	88,494	3/8/2008	14:44:36
nmdhdgro.hls	830	3/8/2008	14:44:36
nmdhdgro.ref	77	9/7/2007	9:17:12
nmdhdgro.rif	22,930	3/8/2008	14:44:34
nmdhdgro.rls	5,801	3/8/2008	14:44:34
nmdhdgro.wlm	890	3/8/2008	14:44:34
nmdhdgro.wrm	0	3/8/2008	14:43:56
nmdhdgrs.aff	5,915	3/8/2008	14:46:18
nmdhdgrs.ato	10,159	3/8/2008	14:46:18
nmdhdgrs.els	26,760	3/8/2008	14:46:54
nmdhdgrs.epf	14,025	3/8/2008	14:46:54
nmdhdgrs.gid	696,127	3/8/2008	14:47:12
nmdhdgrs.hif	88,494	3/8/2008	14:47:04

File Name	Size/Type	Date	Time
nmdhdgrs.hls	830	3/8/2008	14:47:04
nmdhdgrs.ref	77	9/7/2007	8:57:42
nmdhdgrs.rif	22,930	3/8/2008	14:47:02
nmdhdgrs.rls	5,801	3/8/2008	14:47:02
nmdhdgrs.wlm	890	3/8/2008	14:47:02
nmdhdgrs.wrn	0	3/8/2008	14:46:18
nodhdgre.aff	6,002	7/17/2008	6:52:58
nodhdgre.ato	9,623	7/17/2008	6:52:58
nodhdgre.els	26,760	7/17/2008	6:53:20
nodhdgre.epf	13,025	7/17/2008	6:53:20
nodhdgre.gid	696,267	7/17/2008	6:53:30
nodhdgre.hif	88,494	7/17/2008	6:53:26
nodhdgre.hls	830	7/17/2008	6:53:26
nodhdgre.ref	77	8/28/2007	12:34:08
nodhdgre.rif	22,930	7/17/2008	6:53:24
nodhdgre.rls	5,801	7/17/2008	6:53:24
nodhdgre.wlm	534	7/17/2008	6:53:24
nodhdgre.wrn	0	7/17/2008	6:52:58
nodhdgrg.aff	6,002	7/17/2008	6:39:50
nodhdgrg.ato	10,155	7/17/2008	6:39:50
nodhdgrg.els	26,760	7/17/2008	6:40:14
nodhdgrg.epf	41,127	7/17/2008	6:40:14
nodhdgrg.gid	696,262	7/17/2008	6:40:36
nodhdgrg.hif	277,783	7/17/2008	6:40:24
nodhdgrg.hls	830	7/17/2008	6:40:24
nodhdgrg.ref	77	8/27/2007	7:25:56
nodhdgrg.rif	62,423	7/17/2008	6:40:20
nodhdgrg.rls	5,801	7/17/2008	6:40:20
nodhdgrg.wlm	1,068	7/17/2008	6:40:20
nodhdgrg.wrn	0	7/17/2008	6:39:50
nodhdgro.aff	6,002	7/17/2008	6:58:38
nodhdgro.ato	9,507	7/17/2008	6:58:38
nodhdgro.els	26,760	7/17/2008	6:59:10
nodhdgro.epf	12,993	7/17/2008	6:59:10
nodhdgro.gid	696,267	7/17/2008	6:59:26
nodhdgro.hif	88,494	7/17/2008	6:59:16
nodhdgro.hls	830	7/17/2008	6:59:16
nodhdgro.ref	77	8/28/2007	7:15:14
nodhdgro.rif	22,930	7/17/2008	6:59:14
nodhdgro.rls	5,801	7/17/2008	6:59:14
nodhdgro.wlm	623	7/17/2008	6:59:14
nodhdgro.wrn	0	7/17/2008	6:58:38
nodhdgrs.aff	6,002	7/17/2008	6:47:38
nodhdgrs.ato	10,161	7/17/2008	6:47:38
nodhdgrs.els	26,760	7/17/2008	6:48:02
nodhdgrs.epf	14,037	7/17/2008	6:48:02
nodhdgrs.gid	696,267	7/17/2008	6:48:16
nodhdgrs.hif	88,494	7/17/2008	6:48:10
nodhdgrs.hls	830	7/17/2008	6:48:10
nodhdgrs.ref	77	8/28/2007	6:47:08

File Name	Size/Type	Date	Time
nodhdgrs.rif	22,930	7/17/2008	6:48:08
nodhdgrs.rls	5,801	7/17/2008	6:48:08
nodhdgrs.wlm	534	7/17/2008	6:48:08
nodhdgrs.wm	0	7/17/2008	6:47:38
sfdhdsfe.aff	1,899	3/8/2008	14:58:02
sfdhdsfe.ato	3,890	3/8/2008	14:58:02
sfdhdsfe.els	10,866	3/8/2008	14:58:06
sfdhdsfe.epf	4,321	3/8/2008	14:58:06
sfdhdsfe.gid	179,541	3/8/2008	14:58:10
sfdhdsfe.hif	28,312	3/8/2008	14:58:08
sfdhdsfe.hls	830	3/8/2008	14:58:08
sfdhdsfe.ref	77	12/6/2007	9:58:02
sfdhdsfe.rif	7,398	3/8/2008	14:58:06
sfdhdsfe.rls	2,369	3/8/2008	14:58:06
sfdhdsfe.wlm	267	3/8/2008	14:58:06
sfdhdsfe.wm	0	3/8/2008	14:58:02
sfdhdsfg.aff	1,899	3/8/2008	14:59:44
sfdhdsfg.ato	4,045	3/8/2008	14:59:44
sfdhdsfg.els	10,866	3/8/2008	14:59:46
sfdhdsfg.epf	13,266	3/8/2008	14:59:46
sfdhdsfg.gid	179,536	3/8/2008	14:59:52
sfdhdsfg.hif	87,951	3/8/2008	14:59:48
sfdhdsfg.hls	830	3/8/2008	14:59:48
sfdhdsfg.ref	197	12/6/2007	9:33:22
sfdhdsfg.rif	19,841	3/8/2008	14:59:48
sfdhdsfg.rls	2,369	3/8/2008	14:59:48
sfdhdsfg.wlm	178	3/8/2008	14:59:48
sfdhdsfg.wm	0	3/8/2008	14:59:44
sfdhdsfo.aff	1,899	3/8/2008	15:01:06
sfdhdsfo.ato	3,894	3/8/2008	15:01:06
sfdhdsfo.els	10,866	3/8/2008	15:01:10
sfdhdsfo.epf	4,329	3/8/2008	15:01:10
sfdhdsfo.gid	179,541	3/8/2008	15:01:16
sfdhdsfo.hif	28,312	3/8/2008	15:01:12
sfdhdsfo.hls	830	3/8/2008	15:01:12
sfdhdsfo.ref	77	12/6/2007	10:04:38
sfdhdsfo.rif	7,398	3/8/2008	15:01:10
sfdhdsfo.rls	2,369	3/8/2008	15:01:10
sfdhdsfo.wlm	178	3/8/2008	15:01:10
sfdhdsfo.wm	0	3/8/2008	15:01:06
sfdhdsfs.aff	1,899	3/8/2008	15:02:22
sfdhdsfs.ato	4,042	3/8/2008	15:02:22
sfdhdsfs.els	10,866	3/8/2008	15:02:26
sfdhdsfs.epf	4,671	3/8/2008	15:02:26
sfdhdsfs.gid	179,541	3/8/2008	15:02:30
sfdhdsfs.hif	28,312	3/8/2008	15:02:26
sfdhdsfs.hls	830	3/8/2008	15:02:26
sfdhdsfs.ref	77	12/6/2007	9:49:44
sfdhdsfs.rif	7,398	3/8/2008	15:02:26
sfdhdsfs.rls	2,369	3/8/2008	15:02:26

File Name	Size/Type	Date	Time
sfdhdsfs.wlm	178	3/8/2008	15:02:26
sfdhdsfs.wrm	0	3/8/2008	15:02:22

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MAX	DIR	9/18/2008	14:06:45
MAX50%	DIR	9/18/2008	14:06:28
POOL	DIR	9/18/2008	14:06:24
REP	DIR	9/18/2008	14:06:23
REP50%	DIR	9/18/2008	14:06:12

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p1dnlgrg.aff	6,944	3/8/2008	16:18:12
p1dnlgrg.ato	9,806	3/8/2008	16:18:12
p1dnlgrg.els	27,047	3/8/2008	16:18:46
p1dnlgrg.epf	74,803	3/8/2008	16:18:46
p1dnlgrg.gid	697,740	3/8/2008	16:19:06
p1dnlgrg.hif	553,066	3/8/2008	16:19:00
p1dnlgrg.hls	830	3/8/2008	16:19:00
p1dnlgrg.ref	77	3/8/2008	16:17:06
p1dnlgrg.rif	122,721	3/8/2008	16:18:56
p1dnlgrg.rls	5,801	3/8/2008	16:18:56
p1dnlgrg.wlm	89	3/8/2008	16:18:56
p1dnlgrg.wrm	0	3/8/2008	16:18:12
p1dnlgrs.aff	6,944	3/8/2008	16:24:46
p1dnlgrs.ato	9,799	3/8/2008	16:24:46
p1dnlgrs.els	27,047	3/8/2008	16:25:18
p1dnlgrs.epf	25,371	3/8/2008	16:25:18
p1dnlgrs.gid	697,743	3/8/2008	16:25:36
p1dnlgrs.hif	174,488	3/8/2008	16:25:32
p1dnlgrs.hls	830	3/8/2008	16:25:32
p1dnlgrs.ref	77	3/8/2008	16:22:04
p1dnlgrs.rif	43,735	3/8/2008	16:25:30
p1dnlgrs.rls	5,801	3/8/2008	16:25:30
p1dnlgrs.wlm	178	3/8/2008	16:25:30
p1dnlgrs.wrm	0	3/8/2008	16:24:46
p1onlgrg.aff	6,517	3/8/2008	16:20:16
p1onlgrg.ato	9,430	3/8/2008	16:20:16
p1onlgrg.els	26,257	3/8/2008	16:20:50
p1onlgrg.epf	72,684	3/8/2008	16:20:50
p1onlgrg.gid	686,620	3/8/2008	16:21:06
p1onlgrg.hif	537,934	3/8/2008	16:21:02
p1onlgrg.hls	830	3/8/2008	16:21:02
p1onlgrg.ref	77	3/8/2008	16:20:00
p1onlgrg.rif	119,369	3/8/2008	16:21:00
p1onlgrg.rls	5,707	3/8/2008	16:21:00
p1onlgrg.wlm	89	3/8/2008	16:21:00

File Name	Size/Type	Date	Time
p1onlgrg.wrn	0	3/8/2008	16:20:16
p1onlgrs.aff	6,517	3/8/2008	16:26:24
p1onlgrs.ato	9,421	3/8/2008	16:26:26
p1onlgrs.els	26,257	3/8/2008	16:26:54
p1onlgrs.epf	24,509	3/8/2008	16:26:54
p1onlgrs.gid	686,623	3/8/2008	16:27:12
p1onlgrs.hif	169,728	3/8/2008	16:27:08
p1onlgrs.hls	830	3/8/2008	16:27:08
p1onlgrs.ref	77	3/8/2008	16:26:06
p1onlgrs.rif	42,547	3/8/2008	16:27:04
p1onlgrs.rls	5,707	3/8/2008	16:27:04
p1onlgrs.wlm	89	3/8/2008	16:27:04
p1onlgrs.wrn	0	3/8/2008	16:26:26
pmdhlgrg.aff	6,931	8/30/2007	10:04:48
pmdhlgrg.ato	9,874	8/30/2007	10:04:48
pmdhlgrg.els	27,047	8/30/2007	10:05:30
pmdhlgrg.epf	74,973	8/30/2007	10:05:30
pmdhlgrg.gid	697,744	10/18/2007	5:51:30
pmdhlgrg.hif	553,066	10/18/2007	5:50:34
pmdhlgrg.hls	830	10/18/2007	5:50:34
pmdhlgrg.ref	77	8/30/2007	10:03:18
pmdhlgrg.rif	122,721	10/18/2007	5:50:32
pmdhlgrg.rls	5,801	10/18/2007	5:50:32
pmdhlgrg.wlm	267	10/18/2007	5:50:32
pmdhlgrg.wrn	0	8/30/2007	10:04:48
pmdhlgrs.aff	6,931	8/30/2007	10:32:52
pmdhlgrs.ato	9,861	8/30/2007	10:32:52
pmdhlgrs.els	27,047	8/30/2007	10:33:34
pmdhlgrs.epf	25,409	8/30/2007	10:33:34
pmdhlgrs.gid	697,749	9/12/2007	11:34:42
pmdhlgrs.hif	174,488	9/12/2007	11:34:36
pmdhlgrs.hls	830	9/12/2007	11:34:36
pmdhlgrs.ref	77	8/30/2007	10:32:02
pmdhlgrs.rif	43,735	9/12/2007	11:34:34
pmdhlgrs.rls	5,801	9/12/2007	11:34:34
pmdhlgrs.wlm	178	9/12/2007	11:34:34
pmdhlgrs.wrn	0	8/30/2007	10:32:52
pmdndgrg.aff	6,992	7/4/2007	9:42:08
pmdndgrg.ato	9,799	7/20/2007	11:37:26
pmdndgrg.els	27,047	7/20/2007	11:37:58
pmdndgrg.epf	74,546	7/20/2007	11:37:58
pmdndgrg.gid	697,753	7/20/2007	11:38:22
pmdndgrg.hif	553,066	7/20/2007	11:38:14
pmdndgrg.hls	830	7/20/2007	11:38:14
pmdndgrg.ref	77	6/1/2007	7:22:44
pmdndgrg.rif	122,721	7/20/2007	11:38:10
pmdndgrg.rls	5,801	7/20/2007	11:38:10
pmdndgrg.wlm	267	7/20/2007	11:38:10
pmdndgrg.wrn	0	7/20/2007	11:37:26
pmdndgrs.aff	6,992	7/4/2007	15:20:54

File Name	Size/Type	Date	Time
pmdndgrs.ato	9,786	7/4/2007	15:20:54
pmdndgrs.els	27,047	7/4/2007	15:21:28
pmdndgrs.epf	25,302	7/4/2007	15:21:28
pmdndgrs.gid	697,766	7/4/2007	15:22:10
pmdndgrs.hif	174,488	7/4/2007	15:21:42
pmdndgrs.hls	830	7/4/2007	15:21:42
pmdndgrs.ref	77	7/4/2007	15:15:52
pmdndgrs.rif	43,735	7/4/2007	15:21:38
pmdndgrs.rls	5,801	7/4/2007	15:21:38
pmdndgrs.wlm	89	7/4/2007	15:21:38
pmdndgrs.wrn	0	7/4/2007	15:20:54
pmdnlgrg.aff	6,995	9/6/2007	10:10:54
pmdnlgrg.ato	9,778	9/6/2007	10:10:54
pmdnlgrg.els	27,047	9/6/2007	10:11:20
pmdnlgrg.epf	74,438	9/6/2007	10:11:20
pmdnlgrg.gid	697,737	10/18/2007	6:00:54
pmdnlgrg.hif	553,066	10/18/2007	6:00:38
pmdnlgrg.hls	830	10/18/2007	6:00:38
pmdnlgrg.ref	77	9/6/2007	10:10:00
pmdnlgrg.rif	122,721	10/18/2007	6:00:38
pmdnlgrg.rls	5,801	10/18/2007	6:00:38
pmdnlgrg.wlm	267	10/18/2007	6:00:38
pmdnlgrg.wrn	0	9/6/2007	10:10:54
pmdnlgrs.aff	6,995	9/6/2007	10:12:22
pmdnlgrs.ato	9,774	9/6/2007	10:12:22
pmdnlgrs.els	27,047	9/6/2007	10:12:48
pmdnlgrs.epf	25,258	9/6/2007	10:12:48
pmdnlgrs.gid	697,740	9/12/2007	11:47:44
pmdnlgrs.hif	174,488	9/12/2007	11:47:34
pmdnlgrs.hls	830	9/12/2007	11:47:34
pmdnlgrs.ref	77	9/6/2007	10:11:46
pmdnlgrs.rif	43,735	9/12/2007	11:47:32
pmdnlgrs.rls	5,801	9/12/2007	11:47:32
pmdnlgrs.wlm	178	9/12/2007	11:47:32
pmdnlgrs.wrn	0	9/6/2007	10:12:22
pmfnlgrg.aff	6,700	12/6/2007	6:01:30
pmfnlgrg.ato	9,885	12/6/2007	6:01:30
pmfnlgrg.els	27,047	12/6/2007	6:01:56
pmfnlgrg.epf	74,886	12/6/2007	6:01:56
pmfnlgrg.gid	697,527	12/6/2007	6:02:18
pmfnlgrg.hif	553,066	12/6/2007	6:02:08
pmfnlgrg.hls	830	12/6/2007	6:02:08
pmfnlgrg.ref	197	12/6/2007	5:57:32
pmfnlgrg.rif	122,721	12/6/2007	6:02:06
pmfnlgrg.rls	5,801	12/6/2007	6:02:06
pmfnlgrg.wlm	267	12/6/2007	6:02:06
pmfnlgrg.wrn	0	12/6/2007	6:01:30
pmfnlgrs.aff	6,700	12/6/2007	6:07:34
pmfnlgrs.ato	9,868	12/6/2007	6:07:34
pmfnlgrs.els	27,047	12/6/2007	6:08:00

File Name	Size/Type	Date	Time
pmfnlgrs.epf	25,192	12/6/2007	6:08:00
pmfnlgrs.gid	697,529	12/6/2007	6:08:20
pmfnlgrs.hif	174,488	12/6/2007	6:08:12
pmfnlgrs.hls	830	12/6/2007	6:08:12
pmfnlgrs.ref	197	12/6/2007	6:04:52
pmfnlgrs.rif	43,735	12/6/2007	6:08:10
pmfnlgrs.rls	5,801	12/6/2007	6:08:10
pmfnlgrs.wlm	178	12/6/2007	6:08:10
pmfnlgrs.wrn	0	12/6/2007	6:07:34
pmohlgrg.aff	6,536	8/30/2007	10:18:20
pmohlgrg.ato	9,505	8/30/2007	10:18:20
pmohlgrg.els	26,257	8/30/2007	10:18:58
pmohlgrg.epf	72,779	8/30/2007	10:18:58
pmohlgrg.gid	686,618	10/2/2007	14:29:46
pmohlgrg.hif	537,934	10/2/2007	14:29:40
pmohlgrg.hls	830	10/2/2007	14:29:40
pmohlgrg.ref	77	8/30/2007	10:17:44
pmohlgrg.rif	119,369	10/2/2007	14:29:38
pmohlgrg.rls	5,707	10/2/2007	14:29:38
pmohlgrg.wlm	267	10/2/2007	14:29:38
pmohlgrg.wrn	0	8/30/2007	10:18:20
pmohlgrs.aff	6,536	8/30/2007	10:35:34
pmohlgrs.ato	9,481	8/30/2007	10:35:36
pmohlgrs.els	26,257	8/30/2007	10:36:06
pmohlgrs.epf	24,513	8/30/2007	10:36:06
pmohlgrs.gid	686,621	10/3/2007	6:39:40
pmohlgrs.hif	169,728	10/3/2007	6:39:24
pmohlgrs.hls	830	10/3/2007	6:39:24
pmohlgrs.ref	77	8/30/2007	10:35:00
pmohlgrs.rif	42,547	10/3/2007	6:39:22
pmohlgrs.rls	5,707	10/3/2007	6:39:22
pmohlgrs.wlm	534	10/3/2007	6:39:22
pmohlgrs.wrn	0	8/30/2007	10:35:36
pmonlgrg.aff	6,528	9/6/2007	10:17:10
pmonlgrg.ato	9,388	9/6/2007	10:17:10
pmonlgrg.els	26,257	9/6/2007	10:17:36
pmonlgrg.epf	72,261	9/6/2007	10:17:36
pmonlgrg.gid	686,618	10/2/2007	14:39:48
pmonlgrg.hif	537,934	10/2/2007	14:39:42
pmonlgrg.hls	830	10/2/2007	14:39:42
pmonlgrg.ref	77	9/6/2007	10:16:20
pmonlgrg.rif	119,369	10/2/2007	14:39:40
pmonlgrg.rls	5,707	10/2/2007	14:39:40
pmonlgrg.wlm	267	10/2/2007	14:39:40
pmonlgrg.wrn	0	9/6/2007	10:17:10
pmonlgrs.aff	6,528	9/6/2007	10:18:32
pmonlgrs.ato	9,399	9/6/2007	10:18:32
pmonlgrs.els	26,257	9/6/2007	10:18:56
pmonlgrs.epf	24,403	9/6/2007	10:18:56
pmonlgrs.gid	686,621	10/3/2007	6:43:02

File Name	Size/Type	Date	Time
pmonlgrs.hif	169,728	10/3/2007	6:42:48
pmonlgrs.hls	830	10/3/2007	6:42:48
pmonlgrs.ref	77	9/6/2007	10:18:02
pmonlgrs.rif	42,547	10/3/2007	6:42:46
pmonlgrs.rls	5,707	10/3/2007	6:42:46
pmonlgrs.wlm	356	10/3/2007	6:42:46
pmonlgrs.wm	0	9/6/2007	10:18:32

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pmdhlgrg.aff	6,934	9/18/2007	9:09:42
pmdhlgrg.ato	9,913	9/18/2007	9:09:42
pmdhlgrg.els	27,047	9/18/2007	9:10:08
pmdhlgrg.epf	75,036	9/18/2007	9:10:08
pmdhlgrg.gid	697,748	10/18/2007	9:05:36
pmdhlgrg.hif	553,066	10/18/2007	9:05:30
pmdhlgrg.hls	830	10/18/2007	9:05:30
pmdhlgrg.ref	77	9/18/2007	9:09:24
pmdhlgrg.rif	122,721	10/18/2007	9:05:30
pmdhlgrg.rls	5,801	10/18/2007	9:05:30
pmdhlgrg.wlm	178	10/18/2007	9:05:28
pmdhlgrg.wm	0	9/18/2007	9:09:42
pmdhlgrs.aff	6,934	9/18/2007	9:17:24
pmdhlgrs.ato	9,901	9/18/2007	9:17:24
pmdhlgrs.els	27,047	9/18/2007	9:17:48
pmdhlgrs.epf	25,438	9/18/2007	9:17:48
pmdhlgrs.gid	697,753	9/18/2007	9:18:08
pmdhlgrs.hif	174,488	9/18/2007	9:18:00
pmdhlgrs.hls	830	9/18/2007	9:18:00
pmdhlgrs.ref	77	9/18/2007	9:17:06
pmdhlgrs.rif	43,735	9/18/2007	9:17:58
pmdhlgrs.rls	5,801	9/18/2007	9:17:58
pmdhlgrs.wlm	89	9/18/2007	9:17:58
pmdhlgrs.wm	0	9/18/2007	9:17:24
pmohlgrg.aff	6,539	9/18/2007	9:14:56
pmohlgrg.ato	9,534	9/18/2007	9:14:56
pmohlgrg.els	26,257	9/18/2007	9:15:20
pmohlgrg.epf	72,785	9/18/2007	9:15:20
pmohlgrg.gid	686,620	10/18/2007	12:56:52
pmohlgrg.hif	537,934	10/18/2007	12:56:40
pmohlgrg.hls	830	10/18/2007	12:56:40
pmohlgrg.ref	77	9/18/2007	9:11:42
pmohlgrg.rif	119,369	10/18/2007	12:56:38
pmohlgrg.rls	5,707	10/18/2007	12:56:38
pmohlgrg.wlm	267	10/18/2007	12:56:38
pmohlgrg.wm	0	9/18/2007	9:14:56
pmohlgrs.aff	6,539	9/18/2007	9:19:14
pmohlgrs.ato	9,505	9/18/2007	9:19:14
pmohlgrs.els	26,257	9/18/2007	9:19:40



File Name	Size/Type	Date	Time
pmohlgrs.epf	24,504	9/18/2007	9:19:40
pmohlgrs.gid	686,623	10/18/2007	13:04:36
pmohlgrs.hif	169,728	10/18/2007	13:04:00
pmohlgrs.hls	830	10/18/2007	13:04:00
pmohlgrs.ref	77	9/18/2007	9:19:00
pmohlgrs.rif	42,547	10/18/2007	13:03:58
pmohlgrs.rls	5,707	10/18/2007	13:03:58
pmohlgrs.wlm	356	10/18/2007	13:03:58
pmohlgrs.wm	0	9/18/2007	9:19:14

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pmpnlgrg.aff	1,014	8/30/2007	8:48:36
pmpnlgrg.ato	1,004	8/30/2007	8:48:36
pmpnlgrg.els	3,897	8/30/2007	8:48:38
pmpnlgrg.epf	6,040	8/30/2007	8:48:38
pmpnlgrg.gid	61,726	10/18/2007	5:45:16
pmpnlgrg.hif	46,032	10/18/2007	5:45:06
pmpnlgrg.hls	830	10/18/2007	5:45:06
pmpnlgrg.ref	77	8/30/2007	8:48:24
pmpnlgrg.rif	10,317	10/18/2007	5:45:06
pmpnlgrg.rls	1,434	10/18/2007	5:45:06
pmpnlgrg.wlm	267	10/18/2007	5:45:06
pmpnlgrg.wm	0	8/30/2007	8:48:36
pmpnlgrs.aff	1,014	8/30/2007	8:51:22
pmpnlgrs.ato	1,004	8/30/2007	8:51:24
pmpnlgrs.els	3,897	8/30/2007	8:51:24
pmpnlgrs.epf	2,222	8/30/2007	8:51:24
pmpnlgrs.gid	61,731	9/12/2007	12:44:42
pmpnlgrs.hif	14,916	9/12/2007	12:44:38
pmpnlgrs.hls	830	9/12/2007	12:44:38
pmpnlgrs.ref	77	8/30/2007	8:51:08
pmpnlgrs.rif	3,825	9/12/2007	12:44:38
pmpnlgrs.rls	1,434	9/12/2007	12:44:38
pmpnlgrs.wlm	267	9/12/2007	12:44:38
pmpnlgrs.wm	0	8/30/2007	8:51:24

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padhlgrg.aff	6,899	7/17/2008	8:18:44
padhlgrg.ato	9,891	7/17/2008	8:18:44
padhlgrg.els	27,047	7/17/2008	8:19:20
padhlgrg.epf	75,062	7/17/2008	8:19:20
padhlgrg.gid	697,698	7/17/2008	8:19:42
padhlgrg.hif	553,066	7/17/2008	8:19:32
padhlgrg.hls	830	7/17/2008	8:19:32
padhlgrg.ref	77	9/5/2007	8:48:12
padhlgrg.rif	122,721	7/17/2008	8:19:30

File Name	Size/Type	Date	Time
padhlgrg.rls	5,801	7/17/2008	8:19:30
padhlgrg.wlm	445	7/17/2008	8:19:30
padhlgrg.wm	0	7/17/2008	8:18:44
padhlgro.aff	6,899	7/17/2008	7:37:22
padhlgro.ato	9,531	7/17/2008	7:37:22
padhlgro.els	27,047	7/17/2008	7:37:52
padhlgro.epf	24,393	7/17/2008	7:37:52
padhlgro.gid	697,703	7/17/2008	7:38:12
padhlgro.hif	174,488	7/17/2008	7:38:06
padhlgro.hls	830	7/17/2008	7:38:06
padhlgro.ref	77	9/5/2007	12:14:52
padhlgro.rif	43,735	7/17/2008	7:38:02
padhlgro.rls	5,801	7/17/2008	7:38:02
padhlgro.wlm	445	7/17/2008	7:38:02
padhlgro.wm	0	7/17/2008	7:37:22
padhlgrs.aff	6,899	7/17/2008	8:29:36
padhlgrs.ato	9,871	7/17/2008	8:29:36
padhlgrs.els	27,047	7/17/2008	8:30:02
padhlgrs.epf	25,451	7/17/2008	8:30:02
padhlgrs.gid	697,703	7/17/2008	8:30:22
padhlgrs.hif	174,488	7/17/2008	8:30:14
padhlgrs.hls	830	7/17/2008	8:30:14
padhlgrs.ref	77	9/5/2007	11:53:18
padhlgrs.rif	43,735	7/17/2008	8:30:12
padhlgrs.rls	5,801	7/17/2008	8:30:12
padhlgrs.wlm	534	7/17/2008	8:30:12
padhlgrs.wm	0	7/17/2008	8:29:36
padnlgrg.aff	6,879	7/17/2008	8:58:02
padnlgrg.ato	9,831	7/17/2008	8:58:02
padnlgrg.els	27,047	7/17/2008	8:58:38
padnlgrg.epf	74,851	7/17/2008	8:58:38
padnlgrg.gid	697,705	7/17/2008	8:58:58
padnlgrg.hif	553,066	7/17/2008	8:58:52
padnlgrg.hls	830	7/17/2008	8:58:52
padnlgrg.ref	77	9/14/2007	8:11:14
padnlgrg.rif	122,721	7/17/2008	8:58:48
padnlgrg.rls	5,801	7/17/2008	8:58:48
padnlgrg.wlm	356	7/17/2008	8:58:48
padnlgrg.wm	0	7/17/2008	8:58:02
padnlgrs.aff	6,879	7/17/2008	9:09:52
padnlgrs.ato	9,820	7/17/2008	9:09:52
padnlgrs.els	27,047	7/17/2008	9:10:28
padnlgrs.epf	25,398	7/17/2008	9:10:28
padnlgrs.gid	697,710	7/17/2008	9:10:46
padnlgrs.hif	174,488	7/17/2008	9:10:42
padnlgrs.hls	830	7/17/2008	9:10:42
padnlgrs.ref	77	9/14/2007	8:22:48
padnlgrs.rif	43,735	7/17/2008	9:10:38
padnlgrs.rls	5,801	7/17/2008	9:10:38
padnlgrs.wlm	267	7/17/2008	9:10:38

File Name	Size/Type	Date	Time
padnlgrs.wrn	0	7/17/2008	9:09:52
paohlgrg.aff	6,516	7/17/2008	8:22:12
paohlgrg.ato	9,530	7/17/2008	8:22:12
paohlgrg.els	26,257	7/17/2008	8:22:44
paohlgrg.epf	72,793	7/17/2008	8:22:44
paohlgrg.gid	686,567	7/17/2008	8:23:04
paohlgrg.hif	537,934	7/17/2008	8:22:58
paohlgrg.hls	830	7/17/2008	8:22:58
paohlgrg.ref	77	9/5/2007	11:34:48
paohlgrg.rif	119,369	7/17/2008	8:22:54
paohlgrg.rls	5,707	7/17/2008	8:22:54
paohlgrg.wlm	445	7/17/2008	8:22:54
paohlgrg.wrn	0	7/17/2008	8:22:12
paohlgro.aff	6,516	7/17/2008	7:40:18
paohlgro.ato	8,893	7/17/2008	7:40:18
paohlgro.els	26,257	7/17/2008	7:40:56
paohlgro.epf	23,501	7/17/2008	7:40:56
paohlgro.gid	686,570	7/17/2008	7:41:12
paohlgro.hif	169,728	7/17/2008	7:41:08
paohlgro.hls	830	7/17/2008	7:41:08
paohlgro.ref	77	9/5/2007	12:16:42
paohlgro.rif	42,547	7/17/2008	7:41:04
paohlgro.rls	5,707	7/17/2008	7:41:04
paohlgro.wlm	445	7/17/2008	7:41:04
paohlgro.wrn	0	7/17/2008	7:40:18
paohlgrs.aff	6,516	7/17/2008	8:34:56
paohlgrs.ato	9,499	7/17/2008	8:34:56
paohlgrs.els	26,257	7/17/2008	8:35:30
paohlgrs.epf	24,513	7/17/2008	8:35:30
paohlgrs.gid	686,570	7/17/2008	8:36:14
paohlgrs.hif	169,728	7/17/2008	8:35:44
paohlgrs.hls	830	7/17/2008	8:35:44
paohlgrs.ref	77	9/5/2007	11:57:02
paohlgrs.rif	42,547	7/17/2008	8:35:42
paohlgrs.rls	5,707	7/17/2008	8:35:42
paohlgrs.wlm	623	7/17/2008	8:35:42
paohlgrs.wrn	0	7/17/2008	8:34:56
paonlgrg.aff	6,520	7/17/2008	9:02:14
paonlgrg.ato	9,415	7/17/2008	9:02:14
paonlgrg.els	26,257	7/17/2008	9:02:44
paonlgrg.epf	72,537	7/17/2008	9:02:44
paonlgrg.gid	686,567	7/17/2008	9:03:10
paonlgrg.hif	537,934	7/17/2008	9:03:00
paonlgrg.hls	830	7/17/2008	9:03:00
paonlgrg.ref	77	9/14/2007	8:17:30
paonlgrg.rif	119,369	7/17/2008	9:02:56
paonlgrg.rls	5,707	7/17/2008	9:02:56
paonlgrg.wlm	534	7/17/2008	9:02:56
paonlgrg.wrn	0	7/17/2008	9:02:14
paonlgrs.aff	6,520	7/17/2008	9:12:52

File Name	Size/Type	Date	Time
paonlgrs.ato	9,413	7/17/2008	9:12:52
paonlgrs.els	26,257	7/17/2008	9:13:20
paonlgrs.epf	24,466	7/17/2008	9:13:20
paonlgrs.gid	686,568	7/17/2008	9:13:42
paonlgrs.hif	169,728	7/17/2008	9:13:34
paonlgrs.hls	830	7/17/2008	9:13:34
paonlgrs.ref	77	9/14/2007	8:25:04
paonlgrs.rif	42,547	7/17/2008	9:13:32
paonlgrs.rls	5,707	7/17/2008	9:13:32
paonlgrs.wlm	712	7/17/2008	9:13:32
paonlgrs.wm	0	7/17/2008	9:12:52

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padhlgro.aff	6,899	7/17/2008	7:22:10
padhlgro.ato	9,227	7/17/2008	7:22:10
padhlgro.els	27,047	7/17/2008	7:22:32
padhlgro.epf	24,415	7/17/2008	7:22:32
padhlgro.gid	697,707	7/17/2008	7:22:48
padhlgro.hif	174,488	7/17/2008	7:22:42
padhlgro.hls	830	7/17/2008	7:22:42
padhlgro.ref	77	9/17/2007	11:32:16
padhlgro.rif	43,735	7/17/2008	7:22:40
padhlgro.rls	5,801	7/17/2008	7:22:40
padhlgro.wlm	178	7/17/2008	7:22:40
padhlgro.wm	0	7/17/2008	7:22:10
paohlgro.aff	6,516	7/17/2008	7:25:52
paohlgro.ato	8,887	7/17/2008	7:25:52
paohlgro.els	26,257	7/17/2008	7:26:26
paohlgro.epf	23,501	7/17/2008	7:26:26
paohlgro.gid	686,568	7/17/2008	7:26:46
paohlgro.hif	169,728	7/17/2008	7:26:38
paohlgro.hls	830	7/17/2008	7:26:38
paohlgro.ref	77	9/17/2007	11:34:48
paohlgro.rif	42,547	7/17/2008	7:26:36
paohlgro.rls	5,707	7/17/2008	7:26:36
paohlgro.wlm	356	7/17/2008	7:26:36
paohlgro.wm	0	7/17/2008	7:25:52

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ACUTE RELEASE	DIR	9/18/2008	14:03:37
CHRONIC RELEASE	DIR	9/18/2008	14:02:54
GENII_Parameter_Summary.xls	144,384	3/15/2007	12:23:30
RnList.xls	24,576	12/3/2007	10:29:30

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File Name	Size/Type	Date	Time
EXCEL FILES	DIR	9/18/2008	14:03:59
GENIIV2 FILES	DIR	9/18/2008	14:03:29

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ac5cam1.xls	478,720	12/14/2007	8:26:08
ac5cc14.xls	6,034,432	12/14/2007	8:16:14
ac5ccm4.xls	478,208	12/14/2007	8:16:44
ac5cco0.xls	6,033,408	12/14/2007	8:17:54
ac5ccs7.xls	6,016,000	12/14/2007	8:18:54
ac5ch3.xls	6,024,704	12/14/2007	8:20:22
ac5ci29.xls	6,037,504	12/14/2007	8:21:02
ac5ckr5.xls	478,208	12/14/2007	8:21:20
ac5cpu8.xls	478,208	12/14/2007	8:21:38
ac5cru6.xls	6,026,240	12/14/2007	8:22:08
ac5csr0.xls	6,033,408	12/14/2007	8:22:48
Acute summary.xls	49,152	12/14/2007	15:19:12
hsdhlst5.xls	197,120	12/14/2007	8:23:14
nrdndst5.xls	2,217,984	12/14/2007	8:24:08
nrdndstj.xls	2,317,312	12/14/2007	8:24:40
pmdhlst5.xls	2,234,880	12/14/2007	8:25:12
pmdhlstj.xls	2,325,504	12/14/2007	8:25:42
pmohlst5.xls	198,144	12/14/2007	8:26:04

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ACUTE REL	DIR	9/18/2008	14:03:37
RN UNCERTAINTY	DIR	9/18/2008	14:03:29

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hsdhlst5.aff	6,676	11/27/2007	16:05:32
hsdhlst5.ato	9,782	11/27/2007	16:05:34
hsdhlst5.els	28,144	11/27/2007	16:06:04
hsdhlst5.epf	72,449	11/27/2007	16:06:04
hsdhlst5.gid	744,542	11/28/2007	6:50:46
hsdhlst5.hif	530,378	11/27/2007	16:06:14
hsdhlst5.hls	830	11/27/2007	16:06:14
hsdhlst5.ref	77	11/27/2007	16:05:16
hsdhlst5.rif	117,703	11/27/2007	16:06:14
hsdhlst5.rls	5,794	11/27/2007	16:06:14
hsdhlst5.suf	123,759	11/27/2007	22:19:36
hsdhlst5.wlm	89	11/27/2007	16:06:14
hsdhlst5.wrn	106,496	11/27/2007	22:19:36
nrdndst5.aff	7,710	11/30/2007	15:00:04
nrdndst5.ato	11,327	11/30/2007	15:00:04

File Name	Size/Type	Date	Time
nrdndst5.els	31,846	11/30/2007	15:00:42
nrdndst5.epf	82,498	11/30/2007	15:00:42
nrdndst5.gid	802,628	12/3/2007	7:10:48
nrdndst5.hif	606,040	11/30/2007	15:00:56
nrdndst5.hls	830	11/30/2007	15:00:56
nrdndst5.ref	77	11/30/2007	14:59:18
nrdndst5.rif	134,465	11/30/2007	15:00:54
nrdndst5.rls	6,295	11/30/2007	15:00:54
nrdndst5.suf	127,072	11/30/2007	22:31:46
nrdndst5.wlm	89	11/30/2007	15:00:54
nrdndst5.wrn	106,496	11/30/2007	22:31:46
nrdndstj.aff	7,710	11/30/2007	14:47:18
nrdndstj.ato	11,327	11/30/2007	14:47:18
nrdndstj.els	31,846	11/30/2007	14:48:04
nrdndstj.epf	82,498	11/30/2007	14:48:04
nrdndstj.gid	803,618	12/3/2007	7:12:22
nrdndstj.hif	606,040	11/30/2007	14:48:20
nrdndstj.hls	830	11/30/2007	14:48:20
nrdndstj.ref	77	11/30/2007	14:45:56
nrdndstj.rif	134,465	11/30/2007	14:48:16
nrdndstj.rls	6,295	11/30/2007	14:48:16
nrdndstj.suf	133,635	11/30/2007	22:22:18
nrdndstj.wlm	89	11/30/2007	14:48:16
nrdndstj.wrn	106,496	11/30/2007	22:22:18
pmdhlst5.aff	6,934	11/28/2007	16:17:32
pmdhlst5.ato	9,874	11/28/2007	16:17:32
pmdhlst5.els	27,047	11/28/2007	16:17:56
pmdhlst5.epf	74,973	11/28/2007	16:17:56
pmdhlst5.gid	721,159	11/29/2007	6:48:30
pmdhlst5.hif	553,066	11/28/2007	16:18:04
pmdhlst5.hls	830	11/28/2007	16:18:04
pmdhlst5.ref	77	11/28/2007	16:17:18
pmdhlst5.rif	122,721	11/28/2007	16:18:04
pmdhlst5.rls	5,801	11/28/2007	16:18:04
pmdhlst5.suf	127,071	11/28/2007	21:52:32
pmdhlst5.wlm	89	11/28/2007	16:18:02
pmdhlst5.wrn	106,496	11/28/2007	21:52:32
pmdhlstj.aff	6,934	11/27/2007	15:27:38
pmdhlstj.ato	9,874	11/27/2007	15:27:38
pmdhlstj.els	27,047	11/27/2007	15:28:08
pmdhlstj.epf	74,973	11/27/2007	15:28:08
pmdhlstj.gid	722,153	11/28/2007	6:53:30
pmdhlstj.hif	553,066	11/27/2007	15:28:20
pmdhlstj.hls	830	11/27/2007	15:28:20
pmdhlstj.ref	77	11/27/2007	15:27:22
pmdhlstj.rif	122,721	11/27/2007	15:28:18
pmdhlstj.rls	5,801	11/27/2007	15:28:18
pmdhlstj.suf	133,552	11/27/2007	21:05:12
pmdhlstj.wlm	89	11/27/2007	15:28:18
pmdhlstj.wrn	106,496	11/27/2007	21:05:12

File Name	Size/Type	Date	Time
pmohlst5.aff	6,539	11/27/2007	15:29:06
pmohlst5.ato	9,505	11/27/2007	15:29:06
pmohlst5.els	26,257	11/27/2007	15:29:32
pmohlst5.epf	72,779	11/27/2007	15:29:32
pmohlst5.gid	710,036	11/28/2007	6:54:30
pmohlst5.hif	537,934	11/27/2007	15:29:42
pmohlst5.hls	830	11/27/2007	15:29:42
pmohlst5.ref	77	11/27/2007	15:28:48
pmohlst5.rif	119,369	11/27/2007	15:29:40
pmohlst5.rls	5,707	11/27/2007	15:29:40
pmohlst5.suf	123,511	11/27/2007	20:48:28
pmohlst5.wlm	89	11/27/2007	15:29:40
pmohlst5.wrn	106,496	11/27/2007	20:48:28

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ac5cam1.aff	553	11/28/2007	6:55:34
ac5cam1.ato	316	11/28/2007	6:55:34
ac5cam1.els	2,170	11/28/2007	6:55:34
ac5cam1.epf	1,271	11/28/2007	6:55:34
ac5cam1.gid	89,627	11/28/2007	7:20:22
ac5cam1.hif	8,212	11/28/2007	6:55:36
ac5cam1.hls	830	11/28/2007	6:55:36
ac5cam1.ref	77	11/28/2007	6:55:24
ac5cam1.rif	1,947	11/28/2007	6:55:34
ac5cam1.rls	1,168	11/28/2007	6:55:36
ac5cam1.suf	334,148	11/28/2007	7:19:34
ac5cam1.wlm	89	11/28/2007	6:55:34
ac5cam1.wrn	106,496	11/28/2007	7:19:34
ac5cc14.aff	557	11/28/2007	7:21:02
ac5cc14.ato	308	11/28/2007	7:21:02
ac5cc14.els	2,170	11/28/2007	7:21:04
ac5cc14.epf	1,206	11/28/2007	7:21:04
ac5cc14.gid	89,459	11/28/2007	7:48:54
ac5cc14.hif	8,208	11/28/2007	7:21:04
ac5cc14.hls	830	11/28/2007	7:21:04
ac5cc14.ref	77	11/28/2007	7:20:52
ac5cc14.rif	1,943	11/28/2007	7:21:04
ac5cc14.rls	1,168	11/28/2007	7:21:04
ac5cc14.suf	335,297	11/28/2007	7:40:22
ac5cc14.wlm	89	11/28/2007	7:21:04
ac5cc14.wrn	106,496	11/28/2007	7:40:22
ac5ccm4.aff	651	11/28/2007	7:49:24
ac5ccm4.ato	491	11/28/2007	7:49:24
ac5ccm4.els	2,665	11/28/2007	7:49:24
ac5ccm4.epf	2,327	11/28/2007	7:49:24
ac5ccm4.gid	100,034	11/28/2007	8:19:48
ac5ccm4.hif	15,780	11/28/2007	7:49:24
ac5ccm4.hls	830	11/28/2007	7:49:24

File Name	Size/Type	Date	Time
ac5ccm4.ref	77	11/28/2007	7:49:14
ac5ccm4.rif	3,625	11/28/2007	7:49:24
ac5ccm4.rls	1,246	11/28/2007	7:49:24
ac5ccm4.suf	334,148	11/28/2007	8:09:30
ac5ccm4.wlm	89	11/28/2007	7:49:24
ac5ccm4.wrm	106,496	11/28/2007	8:09:30
ac5cco0.aff	551	11/28/2007	8:20:04
ac5cco0.ato	313	11/28/2007	8:20:04
ac5cco0.els	2,170	11/28/2007	8:20:04
ac5cco0.epf	1,265	11/28/2007	8:20:04
ac5cco0.gid	90,099	11/28/2007	9:50:08
ac5cco0.hif	8,210	11/28/2007	8:20:06
ac5cco0.hls	830	11/28/2007	8:20:06
ac5cco0.ref	77	11/28/2007	8:19:54
ac5cco0.rif	1,945	11/28/2007	8:20:06
ac5cco0.rls	1,168	11/28/2007	8:20:06
ac5cco0.suf	342,495	11/28/2007	8:39:24
ac5cco0.wlm	89	11/28/2007	8:20:06
ac5cco0.wrm	106,496	11/28/2007	8:39:24
ac5ccs7.aff	553	11/28/2007	9:50:28
ac5ccs7.ato	311	11/28/2007	9:50:28
ac5ccs7.els	2,170	11/28/2007	9:50:28
ac5ccs7.epf	1,242	11/28/2007	9:50:28
ac5ccs7.gid	89,555	11/28/2007	10:10:10
ac5ccs7.hif	8,212	11/28/2007	9:50:30
ac5ccs7.hls	830	11/28/2007	9:50:30
ac5ccs7.ref	77	11/28/2007	9:50:18
ac5ccs7.rif	1,947	11/28/2007	9:50:28
ac5ccs7.rls	1,168	11/28/2007	9:50:28
ac5ccs7.suf	337,104	11/28/2007	10:09:44
ac5ccs7.wlm	89	11/28/2007	9:50:28
ac5ccs7.wrm	106,496	11/28/2007	10:09:44
ac5ch3.aff	620	11/28/2007	10:10:30
ac5ch3.ato	333	11/28/2007	10:10:30
ac5ch3.els	2,317	11/28/2007	10:10:30
ac5ch3.epf	2,157	11/28/2007	10:10:30
ac5ch3.gid	98,592	11/28/2007	10:47:52
ac5ch3.hif	15,770	11/28/2007	10:10:30
ac5ch3.hls	830	11/28/2007	10:10:30
ac5ch3.ref	77	11/28/2007	10:10:22
ac5ch3.rif	3,615	11/28/2007	10:10:30
ac5ch3.rls	1,246	11/28/2007	10:10:30
ac5ch3.suf	335,860	11/28/2007	10:30:08
ac5ch3.wlm	89	11/28/2007	10:10:30
ac5ch3.wrm	106,496	11/28/2007	10:30:08
ac5ci29.aff	552	11/28/2007	10:48:08
ac5ci29.ato	313	11/28/2007	10:48:08
ac5ci29.els	2,170	11/28/2007	10:48:10
ac5ci29.epf	1,238	11/28/2007	10:48:10
ac5ci29.gid	89,508	11/28/2007	11:16:52



File Name	Size/Type	Date	Time
ac5ci29.hif	8,210	11/28/2007	10:48:10
ac5ci29.hls	830	11/28/2007	10:48:10
ac5ci29.ref	77	11/28/2007	10:48:00
ac5ci29.rif	1,945	11/28/2007	10:48:10
ac5ci29.rls	1,168	11/28/2007	10:48:10
ac5ci29.suf	336,964	11/28/2007	11:07:20
ac5ci29.wlm	89	11/28/2007	10:48:10
ac5ci29.wrm	106,496	11/28/2007	11:07:20
ac5ckr5.aff	519	11/28/2007	11:17:12
ac5ckr5.ato	310	11/28/2007	11:17:12
ac5ckr5.els	2,170	11/28/2007	11:17:14
ac5ckr5.epf	1,188	11/28/2007	11:17:14
ac5ckr5.gid	89,199	11/28/2007	12:54:58
ac5ckr5.hif	8,210	11/28/2007	11:17:14
ac5ckr5.hls	830	11/28/2007	11:17:14
ac5ckr5.ref	77	11/28/2007	11:17:00
ac5ckr5.rif	1,945	11/28/2007	11:17:14
ac5ckr5.rls	1,168	11/28/2007	11:17:14
ac5ckr5.suf	330,645	11/28/2007	11:36:20
ac5ckr5.wlm	89	11/28/2007	11:17:14
ac5ckr5.wrm	106,496	11/28/2007	11:36:20
ac5cpu8.aff	554	11/28/2007	12:55:14
ac5cpu8.ato	316	11/28/2007	12:55:14
ac5cpu8.els	2,170	11/28/2007	12:55:14
ac5cpu8.epf	1,270	11/28/2007	12:55:14
ac5cpu8.gid	89,672	11/28/2007	13:19:22
ac5cpu8.hif	8,212	11/28/2007	12:55:14
ac5cpu8.hls	830	11/28/2007	12:55:14
ac5cpu8.ref	77	11/28/2007	12:55:02
ac5cpu8.rif	1,947	11/28/2007	12:55:14
ac5cpu8.rls	1,168	11/28/2007	12:55:14
ac5cpu8.suf	334,148	11/28/2007	13:15:46
ac5cpu8.wlm	89	11/28/2007	12:55:14
ac5cpu8.wrm	106,496	11/28/2007	13:15:46
ac5cru6.aff	553	11/28/2007	13:19:38
ac5cru6.ato	312	11/28/2007	13:19:38
ac5cru6.els	2,170	11/28/2007	13:19:40
ac5cru6.epf	1,259	11/28/2007	13:19:40
ac5cru6.gid	89,596	11/28/2007	13:58:48
ac5cru6.hif	8,212	11/28/2007	13:19:40
ac5cru6.hls	830	11/28/2007	13:19:40
ac5cru6.ref	77	11/28/2007	13:19:26
ac5cru6.rif	1,947	11/28/2007	13:19:40
ac5cru6.rls	1,168	11/28/2007	13:19:40
ac5cru6.suf	336,731	11/28/2007	13:38:56
ac5cru6.wlm	89	11/28/2007	13:19:40
ac5cru6.wrm	106,496	11/28/2007	13:38:56
ac5csr0.aff	645	11/28/2007	14:01:18
ac5csr0.ato	480	11/28/2007	14:01:18
ac5csr0.els	2,665	11/28/2007	14:01:20

File Name	Size/Type	Date	Time
ac5csr0.epf	2,310	11/28/2007	14:01:20
ac5csr0.gid	99,832	11/28/2007	14:22:20
ac5csr0.hif	15,774	11/28/2007	14:01:20
ac5csr0.hls	830	11/28/2007	14:01:20
ac5csr0.ref	77	11/28/2007	13:58:52
ac5csr0.rif	3,619	11/28/2007	14:01:20
ac5csr0.rls	1,246	11/28/2007	14:01:20
ac5csr0.suf	337,440	11/28/2007	14:21:40
ac5csr0.wlm	89	11/28/2007	14:01:20
ac5csr0.wrm	106,496	11/28/2007	14:21:40

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EXCEL FILES	DIR	9/18/2008	14:03:22
GENIIV2 FILES	DIR	9/18/2008	14:02:50

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ch5cam1.xls	6,263,296	10/7/2008	6:52:28
ch5cc14.xls	6,827,008	12/14/2007	7:59:06
ch5ccm4.xls	6,810,624	12/14/2007	7:58:52
ch5cco0.xls	6,247,936	12/14/2007	7:59:52
ch5ccs7.xls	7,049,728	12/14/2007	8:01:06
ch5ch3.xls	6,809,600	12/14/2007	8:01:58
ch5ci29.xls	6,831,104	12/14/2007	8:02:44
ch5ckr5.xls	6,809,600	12/14/2007	8:03:26
ch5cpu8.xls	6,810,624	12/14/2007	8:03:56
ch5cru6.xls	6,811,136	12/14/2007	8:04:30
ch5csr0.xls	6,826,496	12/14/2007	8:06:10
Chronic Summary.xls	61,952	9/25/2008	6:32:16
nodhdst.xls	570,880	12/14/2007	8:10:52
nodhdst2.xls	1,113,088	12/14/2007	8:09:24
nodhdst5.xls	2,531,328	12/14/2007	8:11:42
nodhdst6.xls	2,523,648	12/14/2007	8:13:32

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CHRONIC REL	DIR	9/18/2008	14:02:54
RN UNCERTAINTY	DIR	9/18/2008	14:02:50

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nodhdst.aff	5,996	10/4/2007	13:24:04
nodhdst.ato	10,156	10/4/2007	13:24:04
nodhdst.els	26,760	10/4/2007	13:24:30
nodhdst.epf	41,142	10/4/2007	13:24:30

File Name	Size/Type	Date	Time
nodhdst.gid	722,519	10/4/2007	14:26:30
nodhdst.hif	277,783	10/4/2007	13:24:36
nodhdst.hls	830	10/4/2007	13:24:36
nodhdst.ref	77	10/4/2007	13:23:48
nodhdst.rif	62,423	10/4/2007	13:24:36
nodhdst.rls	5,801	10/4/2007	13:24:36
nodhdst.suf	30,221	10/4/2007	14:23:36
nodhdst.wlm	89	10/4/2007	13:24:36
nodhdst.wrn	21,696	10/4/2007	14:23:36
nodhdst2.aff	5,996	10/4/2007	14:52:08
nodhdst2.ato	10,156	10/4/2007	14:52:08
nodhdst2.els	26,760	10/4/2007	14:52:36
nodhdst2.epf	41,142	10/4/2007	14:52:36
nodhdst2.gid	722,521	10/5/2007	5:50:48
nodhdst2.hif	277,783	10/4/2007	14:52:42
nodhdst2.hls	830	10/4/2007	14:52:42
nodhdst2.ref	77	10/4/2007	14:51:54
nodhdst2.rif	62,423	10/4/2007	14:52:40
nodhdst2.rls	5,801	10/4/2007	14:52:40
nodhdst2.suf	58,607	10/4/2007	16:50:24
nodhdst2.wlm	89	10/4/2007	14:52:40
nodhdst2.wrn	42,896	10/4/2007	16:50:24
nodhdst5.aff	5,996	10/4/2007	14:49:14
nodhdst5.ato	10,156	10/4/2007	14:49:16
nodhdst5.els	26,760	10/4/2007	14:49:42
nodhdst5.epf	41,142	10/4/2007	14:49:42
nodhdst5.gid	722,521	10/5/2007	5:49:10
nodhdst5.hif	277,783	10/4/2007	14:49:48
nodhdst5.hls	830	10/4/2007	14:49:48
nodhdst5.ref	77	10/4/2007	14:48:56
nodhdst5.rif	62,423	10/4/2007	14:49:46
nodhdst5.rls	5,801	10/4/2007	14:49:46
nodhdst5.suf	143,771	10/4/2007	19:45:22
nodhdst5.wlm	89	10/4/2007	14:49:46
nodhdst5.wrn	106,496	10/4/2007	19:45:22
nodhdst6.aff	5,996	10/4/2007	14:27:02
nodhdst6.ato	10,156	10/4/2007	14:27:02
nodhdst6.els	26,760	10/4/2007	14:27:28
nodhdst6.epf	41,142	10/4/2007	14:27:28
nodhdst6.gid	722,525	10/5/2007	5:45:52
nodhdst6.hif	277,783	10/4/2007	14:27:34
nodhdst6.hls	830	10/4/2007	14:27:34
nodhdst6.ref	77	10/4/2007	14:26:46
nodhdst6.rif	62,423	10/4/2007	14:27:34
nodhdst6.rls	5,801	10/4/2007	14:27:34
nodhdst6.suf	143,771	10/4/2007	19:22:20
nodhdst6.wlm	89	10/4/2007	14:27:34
nodhdst6.wrn	106,496	10/4/2007	19:22:20

File Name	Size/Type	Date	Time
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ch5cam1.aff	515	9/24/2008	7:38:00
ch5cam1.ato	314	9/24/2008	7:38:00
ch5cam1.els	1,985	9/24/2008	7:38:00
ch5cam1.epf	808	9/24/2008	7:38:00
ch5cam1.gid	91,126	9/24/2008	8:08:04
ch5cam1.hif	4,441	9/24/2008	7:38:00
ch5cam1.hls	830	9/24/2008	7:38:00
ch5cam1.ref	77	10/4/2007	13:00:04
ch5cam1.rif	1,121	9/24/2008	7:38:00
ch5cam1.rls	1,168	9/24/2008	7:38:00
ch5cam1.suf	347,753	9/24/2008	8:07:56
ch5cam1.wlm	178	9/24/2008	7:38:00
ch5cam1.wrn	106,496	9/24/2008	8:07:56
ch5cc14.aff	521	10/4/2007	13:19:58
ch5cc14.ato	303	10/4/2007	13:19:58
ch5cc14.els	1,985	10/4/2007	13:19:58
ch5cc14.epf	763	10/4/2007	13:19:58
ch5cc14.gid	90,966	10/4/2007	13:40:16
ch5cc14.hif	4,437	10/4/2007	13:19:58
ch5cc14.hls	830	10/4/2007	13:19:58
ch5cc14.ref	77	10/4/2007	13:19:48
ch5cc14.rif	1,117	10/4/2007	13:19:58
ch5cc14.rls	1,168	10/4/2007	13:19:58
ch5cc14.suf	346,760	10/4/2007	13:38:50
ch5cc14.wlm	89	10/4/2007	13:19:58
ch5cc14.wrn	106,496	10/4/2007	13:38:52
ch5ccm4.aff	578	10/4/2007	13:40:32
ch5ccm4.ato	496	10/4/2007	13:40:32
ch5ccm4.els	2,478	10/4/2007	13:40:34
ch5ccm4.epf	1,400	10/4/2007	13:40:34
ch5ccm4.gid	101,535	10/4/2007	14:01:16
ch5ccm4.hif	8,238	10/4/2007	13:40:34
ch5ccm4.hls	830	10/4/2007	13:40:34
ch5ccm4.ref	77	10/4/2007	13:40:22
ch5ccm4.rif	1,973	10/4/2007	13:40:34
ch5ccm4.rls	1,246	10/4/2007	13:40:34
ch5ccm4.suf	347,750	10/4/2007	14:01:10
ch5ccm4.wlm	89	10/4/2007	13:40:34
ch5ccm4.wrn	106,496	10/4/2007	14:01:10
ch5cco0.aff	517	10/4/2007	14:01:32
ch5cco0.ato	312	10/4/2007	14:01:32
ch5cco0.els	1,985	10/4/2007	14:01:32
ch5cco0.epf	806	10/4/2007	14:01:32
ch5cco0.gid	91,091	10/4/2007	14:28:18
ch5cco0.hif	4,439	10/4/2007	14:01:32
ch5cco0.hls	830	10/4/2007	14:01:32
ch5cco0.ref	77	10/4/2007	14:01:22
ch5cco0.rif	1,119	10/4/2007	14:01:32

File Name	Size/Type	Date	Time
ch5cco0.rls	1,168	10/4/2007	14:01:32
ch5cco0.suf	347,278	10/4/2007	14:20:30
ch5cco0.wlm	89	10/4/2007	14:01:32
ch5cco0.wm	106,496	10/4/2007	14:20:30
ch5ccs7.aff	537	10/4/2007	14:28:40
ch5ccs7.ato	313	10/4/2007	14:28:40
ch5ccs7.els	1,985	10/4/2007	14:28:40
ch5ccs7.epf	802	10/4/2007	14:28:40
ch5ccs7.gid	93,190	10/4/2007	14:47:54
ch5ccs7.hif	4,441	10/4/2007	14:28:42
ch5ccs7.hls	830	10/4/2007	14:28:42
ch5ccs7.ref	77	10/4/2007	14:28:24
ch5ccs7.rif	1,121	10/4/2007	14:28:40
ch5ccs7.rls	1,168	10/4/2007	14:28:40
ch5ccs7.suf	371,658	10/4/2007	14:47:38
ch5ccs7.wlm	89	10/4/2007	14:28:40
ch5ccs7.wm	106,496	10/4/2007	14:47:38
ch5ch3.aff	570	10/5/2007	6:19:00
ch5ch3.ato	326	10/5/2007	6:19:00
ch5ch3.els	2,132	10/5/2007	6:19:00
ch5ch3.epf	1,236	10/5/2007	6:19:00
ch5ch3.gid	100,088	10/5/2007	6:38:58
ch5ch3.hif	8,228	10/5/2007	6:19:00
ch5ch3.hls	830	10/5/2007	6:19:00
ch5ch3.ref	77	10/5/2007	6:18:52
ch5ch3.rif	1,963	10/5/2007	6:19:00
ch5ch3.rls	1,246	10/5/2007	6:19:00
ch5ch3.suf	346,278	10/5/2007	6:38:40
ch5ch3.wlm	89	10/5/2007	6:19:00
ch5ch3.wm	106,496	10/5/2007	6:38:40
ch5ci29.aff	521	10/5/2007	5:59:08
ch5ci29.ato	311	10/5/2007	5:59:08
ch5ci29.els	1,985	10/5/2007	5:59:10
ch5ci29.epf	794	10/5/2007	5:59:10
ch5ci29.gid	91,025	10/5/2007	6:18:24
ch5ci29.hif	4,439	10/5/2007	5:59:10
ch5ci29.hls	830	10/5/2007	5:59:10
ch5ci29.ref	77	10/5/2007	5:59:00
ch5ci29.rif	1,119	10/5/2007	5:59:10
ch5ci29.rls	1,168	10/5/2007	5:59:10
ch5ci29.suf	346,936	10/5/2007	6:18:16
ch5ci29.wlm	89	10/5/2007	5:59:10
ch5ci29.wm	106,496	10/5/2007	6:18:16
ch5ckr5.aff	521	10/5/2007	6:39:16
ch5ckr5.ato	301	10/5/2007	6:39:16
ch5ckr5.els	1,985	10/5/2007	6:39:16
ch5ckr5.epf	721	10/5/2007	6:39:16
ch5ckr5.gid	90,743	10/5/2007	6:59:48
ch5ckr5.hif	4,439	10/5/2007	6:39:16
ch5ckr5.hls	830	10/5/2007	6:39:16

File Name	Size/Type	Date	Time
ch5ckr5.ref	77	10/5/2007	6:39:06
ch5ckr5.rif	1,119	10/5/2007	6:39:16
ch5ckr5.rls	1,168	10/5/2007	6:39:16
ch5ckr5.suf	344,235	10/5/2007	6:58:20
ch5ckr5.wlm	89	10/5/2007	6:39:16
ch5ckr5.wrn	106,496	10/5/2007	6:58:20
ch5cpu8.aff	517	10/5/2007	7:00:04
ch5cpu8.ato	314	10/5/2007	7:00:04
ch5cpu8.els	1,985	10/5/2007	7:00:04
ch5cpu8.epf	806	10/5/2007	7:00:04
ch5cpu8.gid	91,171	10/5/2007	7:22:34
ch5cpu8.hif	4,441	10/5/2007	7:00:04
ch5cpu8.hls	830	10/5/2007	7:00:04
ch5cpu8.ref	77	10/5/2007	6:59:54
ch5cpu8.rif	1,121	10/5/2007	7:00:04
ch5cpu8.rls	1,168	10/5/2007	7:00:04
ch5cpu8.suf	347,739	10/5/2007	7:19:12
ch5cpu8.wlm	89	10/5/2007	7:00:04
ch5cpu8.wrn	106,496	10/5/2007	7:19:12
ch5cru6.aff	517	10/5/2007	7:22:50
ch5cru6.ato	313	10/5/2007	7:22:50
ch5cru6.els	1,985	10/5/2007	7:22:52
ch5cru6.epf	803	10/5/2007	7:22:52
ch5cru6.gid	91,111	10/5/2007	7:42:08
ch5cru6.hif	4,441	10/5/2007	7:22:52
ch5cru6.hls	830	10/5/2007	7:22:52
ch5cru6.ref	77	10/5/2007	7:22:42
ch5cru6.rif	1,121	10/5/2007	7:22:52
ch5cru6.rls	1,168	10/5/2007	7:22:52
ch5cru6.suf	347,173	10/5/2007	7:41:56
ch5cru6.wlm	89	10/5/2007	7:22:52
ch5cru6.wrn	106,496	10/5/2007	7:41:56
ch5csr0.aff	578	10/5/2007	7:42:24
ch5csr0.ato	488	10/5/2007	7:42:24
ch5csr0.els	2,478	10/5/2007	7:42:24
ch5csr0.epf	1,373	10/5/2007	7:42:24
ch5csr0.gid	101,288	10/5/2007	8:05:30
ch5csr0.hif	8,232	10/5/2007	7:42:24
ch5csr0.hls	830	10/5/2007	7:42:24
ch5csr0.ref	77	10/5/2007	7:42:12
ch5csr0.rif	1,967	10/5/2007	7:42:24
ch5csr0.rls	1,246	10/5/2007	7:42:24
ch5csr0.suf	347,662	10/5/2007	8:02:24
ch5csr0.wlm	89	10/5/2007	7:42:24
ch5csr0.wrn	106,496	10/5/2007	8:02:24